City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Meeting Agenda

Commercial/Multi-Family Design Review Committee

Friday, April 3, 2026 | **9:00 AM** | **Virtual via Zoom**

The meeting is conducted through video conferencing.
Members of the public will be able to attend the meeting via video conferencing with the link below.

Join Zoom Meeting
Click this link (or typing the URL in your web browser address bar):
https://cityoflacrosse-org.zoom.us/j/82799188943?pwd=pAMS3MbJusyBqR9mjCiK3jH6cAP0rk.1

Meeting ID: 827 9918 8943
Passcode: 212646

Dial by your location
1 312 626 6799

If you wish to speak please provide written comments by emailing acklint@cityoflacrosse.org, using a drop box outside of City Hall or mailing the Department of Planning, Development, and Assessment at 400 La Crosse St, WI 54601

Call to Order

Agenda Items:

1. 26-0252 Review of plans for the Commercial Development located at 605 West AVe. (Mayo Employees Federal Credit Union)

Attachments: Final Arch Set 4-3-2026
Final Combined Set 4-3-2026
Final Elec Check Set 4-3-2026
Final Mech Check Set 4-3-2026
Final Civil Plans 4-3-2026
Final Storm Water Maintenance Agreement 4-3-2026
Final SWMP 4-3-2026
Final Structural Plans 4-3-2026
Prelim Design Review Memo 3-13-2026
Prelim Arch Plans 3-13-2026
Prelim Civil Plans 3-13-2026
Prelim SWMP 3-13-2026
Main Entry Rendering 3-13-2026
Rear Entry Rendering 3-13-2026

2. 26-0300 Review of plans for the Multi-Family Development located at 3629 Calvert Road. (15-Unit)

Attachments: Revised Final Site/Utility Plan 4-3-2026
Final Grading & Erosion Control Plan 4-3-2026
Final Plans 4-3-2026
Prelim Design Review Memo 3-20-2026
Project Application 3-20-2026
Project Renderings 3-20-2026
Prelim Project Plans 3-20-2026

Adjournment

Notice is further given that members of other governmental bodies may be present at the above scheduled meeting to gather information about a subject over which they have decision-making responsibility.

NOTICE TO PERSONS WITH A DISABILITY
Requests from persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (608) 789-7510 or send an email to ADAcityclerk@cityoflacrosse.org, with as much advance notice as possible.

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0252

Agenda Date: **Version:** 1 **Status:** Agenda Ready

In Control: Commercial/Multi-Family Design Review Committee **File Type:** Review of Plans

Agenda Number: 1.

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

OWNER:
MAYO EMPLOYEES FEDERAL CREDIT UNION
130 23RD AVE SW
ROCHESTER, MN 55902
TEL: (507) 293-8056
CONTACT: ANDREW SIREK

ARCHITECT:
HTG ARCHITECTS
1010 MAIN STREET
SUITE 100
HOPKINS, MN 55343
TEL: (952) 204-3246
CONTACT: SAM CHALLE

CIVIL ENGINEER:
ANDERSON ENGINEERING
13605 FIRST AVENUE NORTH
SUITE 100
PLYMOUTH, MN 55441
TEL: (763) 412-4035
CONTACT: BRIAN FIELD

STRUCTURAL ENGINEER:
INNOVATIVE STRUCTURAL SOLUTIONS
5279 KYLER AVENUE NE
ALBERTVILLE, MN 55301
TEL: (763) 425-9960
CONTACT: MICHAEL VAN DE RIET

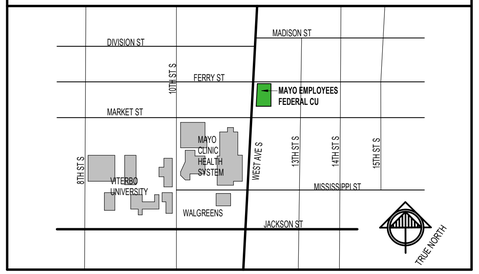
MECH./ ELEC. ENGINEER:
EMANUELSON PODAS, INC.
7705 BUSH LAKE ROAD
EDINA, MINNESOTA 55439
TEL: (952) 930-0050
CONTACT: JOSEPH HAYNES (MECHANICAL)
CONTACT: KYLE McCONNELL (ELECTRICAL)

GENERAL CONTRACTOR:
HOEFT BUILDERS
5410 SEVENS PKWY
SUITE 100
EAU CLAIRE, WI 54701
TEL: (715) 833-1761
CONTACT: AARON STERN

DRAWING INDEX

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A0.1	BUILDING CODE AND INFORMATION
A0.2	ADA DETAILS
C1	DEMOLITION PLAN
C2	GRADING & DRAINAGE PLAN
C3	EROSION & SEDIMENT CONTROL PLAN
C4	UTILITY & PAVING PLAN
C5	CIVIL DETAILS
L1	RESTORATION PLAN
L2	RESTORATION DETAILS
L3	RESTORATION NOTES
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A1.2	SITE DETAILS
A1.3	ROOF PLAN & ROOF DETAILS
A1.4	ROOF DETAILS
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E4.1	ELECTRICAL SCHEDULES
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T1.1	MAIN LEVEL PLAN - TECHNOLOGY

VICINITY MAP



MATERIAL SYMBOLS

- STONE
- FACE BRICK
- CONCRETE BLOCK (CMU)
- CONCRETE/PRECAST
- GYPSUM BOARD OR PLASTER
- EXT. INSUL. & FINISH SYSTEM
- STRUCTURAL STEEL OR METAL STUDS
- ACOUSTIC TILE
- GRANITE
- WOOD BLOCKING
- INTERMEDIATE WOOD BLOCKING
- FINISH WOOD
- EARTH
- SAND OR GRAVEL
- PARTICLE BOARD
- BATT. INSULATION
- RIGID INSULATION
- PLYWOOD

ALTERNATES

Alternate #1:

ABBREVIATIONS

ACT.	ACOUSTICAL TILE
ADJ.	ADJUSTABLE
AFF.	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
B.O.	BOTTOM OF
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
BRG.	BEARING
C.J.	CONTROL JOINT
C.T.	CERAMIC TILE
CLG.	CEILING
CLR.	CLEAR
CMU.	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CPT.	CARPET
DIA.	DIAMETER
DIAG.	DIAGONAL
DR.	DOOR
EIFS.	EXTERIOR INSULATION FINISH SYSTEM
EL.	ELEVATION
ELEC.	ELECTRIC (AL)
ELEV.	ELEVATOR
EPDM	ETHYLENE/PROPYLENE/DIENE/ MONOMER ROOFING MEMBRANE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EWC.	ELECTRICAL WATER COOLER
EXP.JT.	EXPANSION JOINT
EXT.	EXTERIOR
EXTG.	EXISTING
F.D.	FLOOR DRAIN
FEC.	FIRE EXTINGUISHER CABINET
FFE.	FINISHED FLOOR ELEVATION
FIN.	FINISH (ED)
FLRG.	FLOORING
FND.	FOUNDATION
FT.	FOOT
FTG.	FOOTING
FURG.	FURRING
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GYP.BD.	GYPSUM BOARD
HM.	HOLLOW METAL
HORZ.	HORIZONTAL
HT.	HEIGHT
HVAC	HEATING/VENTILATION/AIR CONDITIONING
ID.	INSIDE DIAMETER
IN.	INCH
INCL.	INCLUD (D) (ING)
INSUL.	INSULATION
INT.	INTERIOR
ISO.	ISOCYANURATE
JT.	JOINT
LAM.	LAMINATE
M.O.	MASONRY OPENING
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MLAM.	METAL LAMINATE
MTL.	METAL
MULL	MULLION
NIC.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
NTS.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPNG.	OPENING
PART. BD.	PARTICLE BOARD
PL.	PLATE
PLAM.	PLASTIC LAMINATE
PLYWD.	PLYWOOD
PREFIN.	PREFINISHED
PVC.	POLYVINYL CHLORIDE
QT.	QUARRY TILE
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
RAD.	RADIUS
RECP.	RECEPTACLE
REF.	REFERENCE
REINF.	REINFORCE (D) (ING)
RESIL.	RESILIENT
REV.	REVISION
RM.	ROOM
S.D.	STORM DRAIN
SIM.	SIMILAR
SPEC.	SPECIFICATION (S)
SQ.	SQUARE
SSTL.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TEMP.	TEMPERED
THK.	THICK (NESS)
TRTD.	TREATED
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VB.	VAPOR BARRIER
VCT.	VINYL COMPOSITE TILE
VFY.	VERIFY
w/	WITH
w/o	WITHOUT
WD.	WOOD
WDW.	WINDOW
WT.	WEIGHT
WWF.	WELDED WIRE FABRIC

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Hopkins, MN 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	

DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 — Reg No.
03/27/2026 — Date

TITLE SHEET, DRAWING INDEX AND PROJECT DATA

Drawn By: SRC Checked By: SCR

TS

251167

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BUILDING CODE INFORMATION

CHAPTER 1: CODES AND STANDARDS
2021 WISCONSIN ADMINISTRATIVE CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL FUEL GAS CODE (IFGC)
2021 ICC / ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS & FACILITIES

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
SINGLE TENANT NON-SPRINKLED BUILDING - CLASSIFIED USE OF THE BUILDING GROUP 'B' - OFFICE
303.1.2 SMALL ASSEMBLY SPACES (B OCCUPANCIES) : VIDEO CONF. 109, LOUNGE 118

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS
TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLAN

OCCUPANCY B, SPRINKLED, TYPE V-B CONSTRUCTION = 40'-0", 2 STORIES ALLOWED
ACTUAL BUILDING HEIGHT: 23'-0", 1 STORY

(506.2) ALLOWABLE AREA FACTOR = 36,000 SF
ACTUAL BUILDING AREA: 2,770 SF

CHAPTER 6: TYPES OF CONSTRUCTION
TYPE OF CONSTRUCTION: V-B (NON-SPRINKLED)

TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):

PRIMARY STRUCTURAL FRAME	0
BEARING WALLS, EXTERIOR	0
BEARING WALLS, INTERIOR	0
NONBEARING WALLS, EXTERIOR	0
NONBEARING WALLS, INTERIOR	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

CHAPTER 8: INTERIOR FINISHES (TABLE 803.13)

EXIT STAIRS / RAMPS AND PASSAGEWAYS	B
EXIT CORRIDORS AND ENCLOSED EXIT ACCESS SPACES	C
ROOMS AND OTHER ENCLOSED SPACES	C

CHAPTER 10: MEANS OF EGRESS
TABLE 1004.5 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

GROUP B - OFFICE
2,770 SF / 150 GROSS PER OCCUPANT = **19 OCCUPANTS**

(MAX OCCUPANT LOAD OF SPACE = 49 OCCS.)

NUMBER OF EXITS AND EGRESS SIZING:
NUMBER OF EXITS: SECTION 1006.2.1 / TABLE 1006.2.1
SPACES WITH ONE EXIT B OCCUPANCY 1-49 OCCS.

EXITS REQUIRED: 1
EXITS PROVIDED: 2

EGRESS SIZING- PER 1005.3.2
TOTAL EGRESS WIDTH REQUIRED: 19 OCCUPANTS X .2 = 3.8"
TOTAL EGRESS WIDTH PROVIDED: 66"

1006.2.1 MAX COMMON PATH OF EGRESS TRAVEL DISTANCE = 100'-0" WITH LESS THAN 30 OCCS.

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE FOR B OCCUPANCY WITH NO SPRINKLER SYSTEM = 200'-0"
1017.3 MEASUREMENT: "EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT OF EACH ROOM, AREA, OR SPACE ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT."

CHAPTER 29: PLUMBING SYSTEMS
TABLE 2902.1: MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES AS CALCULATED BY OCCUPANCY IN ACCORDANCE WITH CHAPTER 3, BUILDING OCCUPANCY, B - BUSINESS (OFFICE)

DRINKING FOUNTAINS
1-100 OCCUPANTS = 1 DRINKING FOUNTAIN REQUIRED 1 DRINKING FOUNTAINS PROVIDED, 1 BOTTLE FILL PROVIDED

SERVICE SINK
1 REQUIRED, 1 PROVIDED IN MECHANICAL ROOM

WATER CLOSETS (19 OCCUPANTS)
'B' OCCUPANCY: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50
19/25 = 0.76 WATER CLOSETS REQUIRED 2 WATER CLOSETS PROVIDED (UNISEX)

LAVATORIES (19 OCCUPANTS)
'B' OCCUPANCY: 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80
19/40 = 0.475 LAVATORIES REQUIRED 2 LAVATORIES PROVIDED (UNISEX)

ENERGY CODE

2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH ANSI / ASHRAE / IESNA 90.1
PROJECT LOCATION: LA CROSSE, WI, - ZONE 6A

PRESCRIPTIVE BUILDING ENVELOPE COMPLIANCE PATH: SECTION 5.5
TABLE 5.5-6 BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 6 (A, B)

AIR LEAKAGE TEST: REQUIRED - WHOLE BUILDING
- BUILDING IS LESS THAN 50,000 SF. WHOLE BUILDING, THIRD PARTY TESTING OF BUILDING UTILIZING A BLOWER DOOR TEST IS REQUIRED. LEAKAGE CANNOT EXCEED 0.40 CFM/SF.
- SEE SECTION 01 5179 - TEMPORARY ENVIRONMENTAL CONTROLS.

CONTINUOUS AIR BARRIER: REQUIRED - BUILDING ADDITION

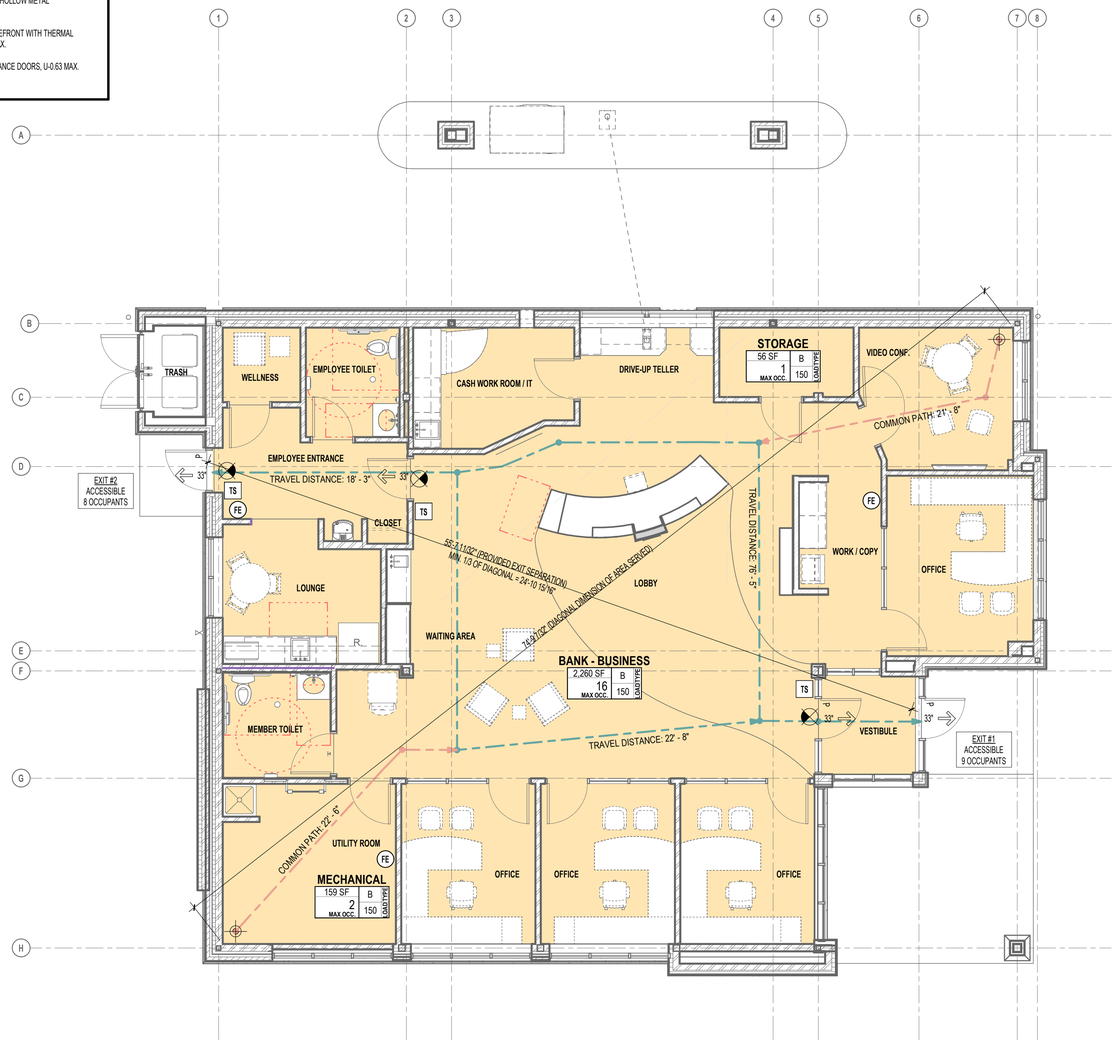
OPAQUE ELEMENT	MAXIMUM ALLOWABLE U-VALUE FOR ASSEMBLY	INSUL. MIN. R-VALUE
ROOFS INSULATION ENTIRELY ABOVE ROOF DECK	U-0.032	R-30 C.I.
WALLS, ABOVE GRADE METAL FRAMED	U-0.051	R-13 + R12.5 C.I.
WALLS, BELOW GRADE POURED CONC.	C-0.092	R-10 C.I.
SLAB ON GRADE FLOORS UNHEATED SLABS, PERIMETER INSULATION	F-0.510	R-20 FOR 24 INCHES
OPAQUE DOORS SWINGING	U-0.370	R-2.7 INSULATED HOLLOW METAL
FENESTRATION METAL FRAMING	U-0.42	ALUMINUM STOREFRONT WITH THERMAL BREAK, U-0.42 MAX.
METAL FRAMING (ENTRANCE DOORS)	U-0.63	ALUMINUM ENTRANCE DOORS, U-0.63 MAX.

CODE PLAN LEGEND

- COMMON PATH OF TRAVEL
- MAXIMUM PATH OF TRAVEL
- MOST REMOTE POINT (M.R.P.)
- TS — TACTILE SIGNAGE LOCATED AT ALL MEANS OF EGRESS.
- EMERGENCY EXIT SIGNS w/ EMERGENCY LIGHT
- FE — TYPE ABC FIRE EXTINGUISHER LOCATED TO PRIVIDE TOTAL BUILDING COVERAGE WITH 75'-0" RADIUS EACH
- 34" — EXIT WIDTH
- P — PANIC HARDWARE

AREA SCHEDULE - LIFE SAFETY

LEVEL	NAME	AREA	OCC TYPE	OCC LOAD FACTOR	CALC OCC
MAIN LEVEL	BANK - BUSINESS	2,260 SF	B	150	16
MAIN LEVEL	MECHANICAL	159 SF	B	150	2
MAIN LEVEL	STORAGE	56 SF	B	150	1
MAIN LEVEL		2,475 SF			
TOTAL:		2,475 SF			



1 / A0.1 **MAIN LEVEL LIFE SAFETY PLAN**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

HTG architects
www.htg-architects.com
Minneapolis Bismarck
1010 Mainstreet, Suite 100
Hopkins, MN 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

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WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

BUILDING CODE AND INFORMATION

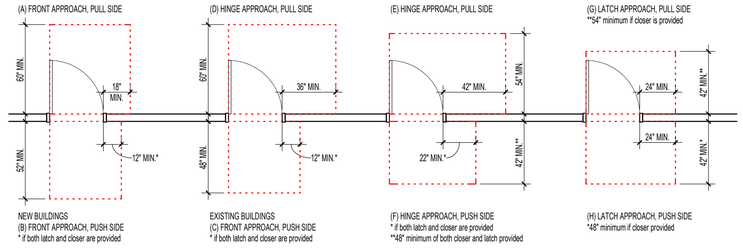
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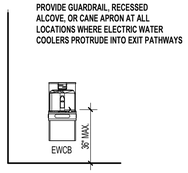
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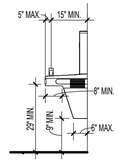
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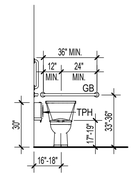
1 A0.2 **MANEUVERING CLEARANCES REQUIREMENTS AT MANUAL SWINGING DOORS - ICC A117.1**
1/4" = 1'-0"



2 A0.2 **WATER COOLER - FRONT**
1/4" = 1'-0"

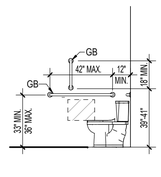


3 A0.2 **WATER COOLER - SIDE**
3/8" = 1'-0"



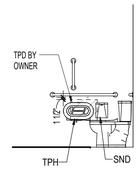
TOILET AND GRAB BARS - FRONT VIEW

4 A0.2 **ADA TOILET ELEVATION - FRONT**
1/4" = 1'-0"



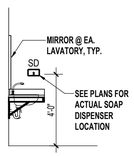
TOILET & GRAB BARS - SIDE VIEW

5 A0.2 **ADA TOILET ELEVATION - SIDE**
1/4" = 1'-0"

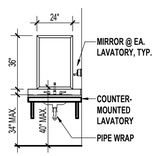


TOILET PAPER DISPENSER & SANITARY NAPKIN DISPOSAL

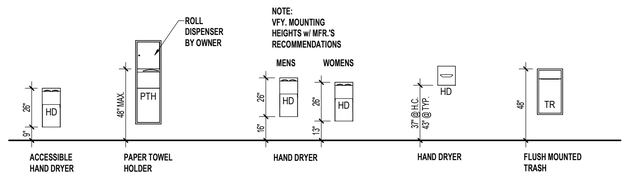
6 A0.2 **ADA TOILET ELEVATION - SIDE**
1/4" = 1'-0"



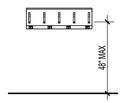
7 A0.2 **LAVATORY, SINGLE - SIDE**
1/4" = 1'-0"



8 A0.2 **LAVATORY, SINGLE**
1/4" = 1'-0"



9 A0.2 **HAND DRYER, TOILET ELEVATIONS-PAPER TOWEL DISPENSER, TRASH**
1/4" = 1'-0"



11 A0.2 **MOP AND BROOM HOLDER**
1/4" = 1'-0"

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	
DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS, MN REGISTERED ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

ADA DETAILS

Drawn By: HTG Checked By: SCR

A0.2

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00 KEYED SITE PLAN NOTES

NO.	DESCRIPTION
1	ACCESSIBLE PARKING SPACE SIGN SHALL BE LOCATED CENTERED AT HEAD OF AISLE. MOUNTED ON 2" SQ. ALUMINUM PIPE STD. AND 40"-60" ABOVE ADJACENT PARKING SURFACE. MAX 8'-0" FROM CURB. SEE DETAIL.
2	PROVIDE UNDERGROUND PIPES FOR LAWN SPRINKLER - VERIFY WITH SPRINKLER CONTRACTOR FOR QUANTITY AND LOCATIONS.
3	6" DIA. PIPE BOLLARD. SEE SHEET A1.2 FOR DETAIL
4	FLAGPOLE. SEE SHEET A1.2 FOR BASE DETAIL
5	REINFORCED CONCRETE AT DRIVE-UP. SEE CIVIL
6	'DO NOT ENTER SIGNAGE', COORDINATE WITH SIGNAGE VENDOR
7	ROCK MULCH. SEE CIVIL / LANDSCAPE
8	PROVIDE ' NO PARKING' STRIPING, AS REQUIRED BY STATE CODE
9	ACCESSIBLE PEDESTRIAN RAMP. SEE CIVIL
10	4" CONCRETE SIDEWALK, SEE CIVIL
11	GAS METER, SEE MECHANICAL
12	MANHOLE COVER, SEE CIVIL
13	SURFACE MOUNTED BIKE RACK, FINALIZE EXACT LOCATION WITH OWNER
14	CT CABINET, SEE ELECTRICAL
15	NEW TRANSFORMER, SEE ELECTRICAL

SITE PLAN GENERAL NOTES:

1. ALL SITE GRADING TO BE DONE PER CIVIL DRAWINGS.
2. VERIFY & LOCATE ALL UNDERGROUND PHONE & UTILITY LINES PRIOR TO ANY EXCAVATION.
3. SEE CIVIL & MECH./ELEC. DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE UTILITIES.
4. BARRICADE OFF CONSTRUCTION AREA AS REQUIRED KEEP CONSTRUCTION AREA TO MINIMUM.
5. SLOPE SIDEWALKS & GRADE AWAY FROM BUILDING TYPICAL 1:20 MAX. SLOPE. SIDEWALK RAMP SLOPE IS 1:12 MAX. ACCESSIBLE PKG. & ACCESS AISLES ARE 1:48 MAX. SLOPE IN ANY DIRECTION.
6. MATCH NEW CONSTRUCTION WITH EXISTING WHEREVER NECESSARY (ie., CONC., CURBS, CONC. WALKS, PAVING, ETC.).
7. MATCH/TIE NEW GRADING INTO EXISTING GRADING.
8. CUT & PATCH EXISTING BITUMINOUS PAVING, CONC. CURBS & SIDEWALKS TO MATCH EXISTING.
9. ALL MECHANICAL & ELECTRICAL EXPOSED PIPING, GRILLES, CONDUITS, ETC. TO BE PAINTED.
10. PARKING STRIPES TO BE PAINTED 4" WIDE AT 5'-0" O.C. & 20'-0".
11. FURNISH & INSTALL POSTED HANDICAP SIGNS AS REQUIRED BY STATE CODE.
12. CONC. SIDEWALK WIDTHS TO BE 5'-0" WIDE w/CONTROL JOINTS @ 5'-0" SIM.
13. SEE CIVIL DRAWINGS AND EXHIBITS FOR ADDTIONAL/ SPECIFIC INFORMATION ON SITE PLAN

SITE PLAN SUMMARY:

ZONING:
MUNICIPAL ZONING APPLIES (NO CONDITIONS APPLY)

PARCEL AREA (17-30198-50):
0.84 ACRES +/-

MAIN LEVEL SQ. FT.	2,770 S.F.
DRIVE-UP CANOPY	555 S.F.

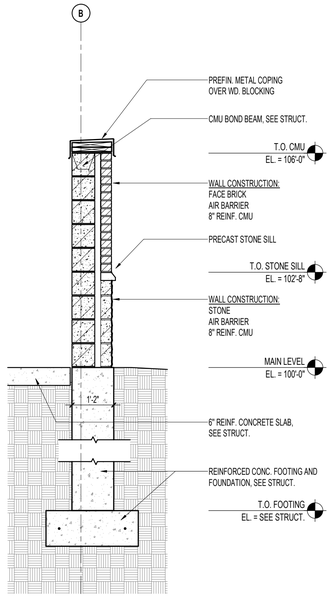
PARKING REQUIREMENTS:
MINIMUM PARKING STALL DIMENSIONS 20' X 9' (90 DEGREE PARKING)

EXISTING PARKING STALLS:	18
NEW PARKING STALLS:	17
ACCESSIBLE STALLS PROVIDED:	1

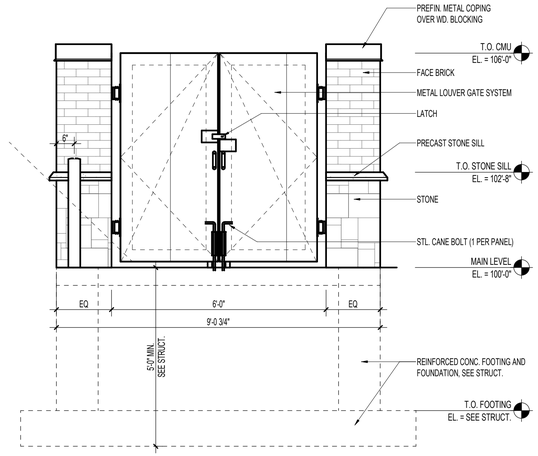
PROPOSED IMPERVIOUS	0.498 ACRES (21,686 S.F.)
PROPOSED GREEN SPACE	0.322 ACRES (14,036 S.F.)

SETBACKS:
MINIMUM SETBACK FOR PARKING STALLS AND DRIVES IS 5' FROM PROPERTY LINES.

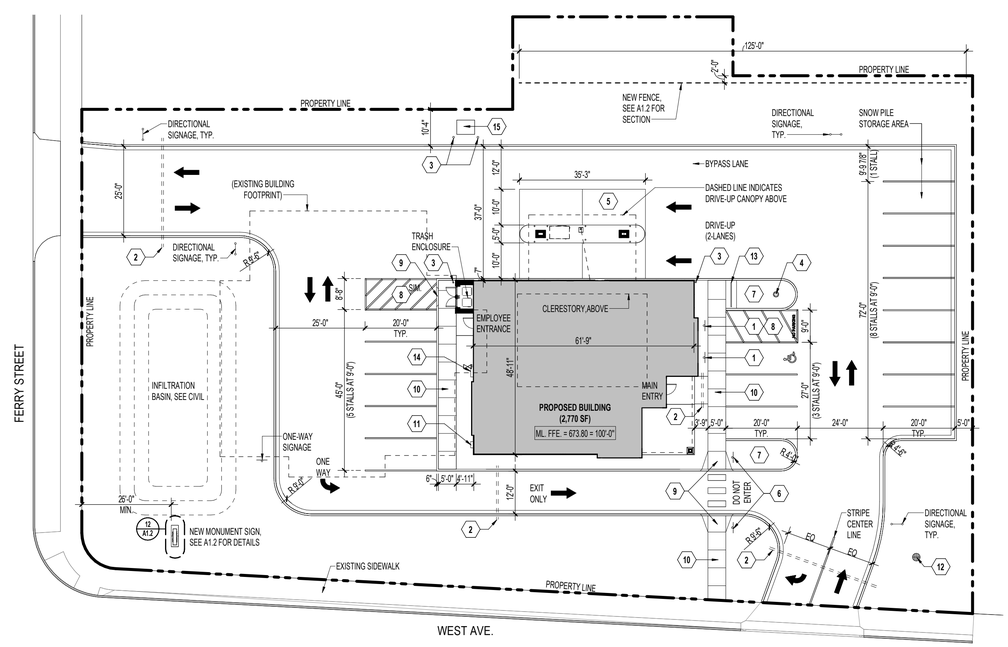
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3 A1.1 **WALL SECTION, TRASH ENCLOSURE**
1/2" = 1'-0"



2 A1.1 **ENLARGED TRASH ENCLOSURE ELEVATION**
1/2" = 1'-0"



1 A1.1 **SITE PLAN**
1" = 20'-0"

TRUE NORTH PLAN NORTH

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SITE PLAN

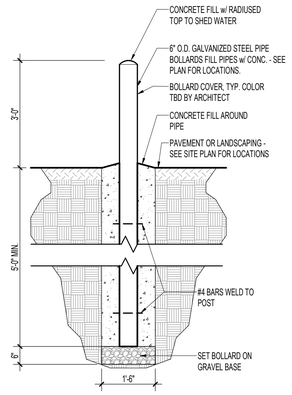
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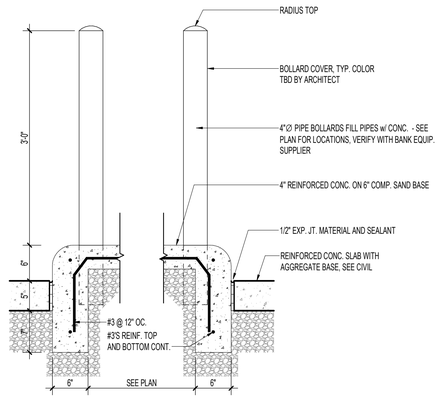
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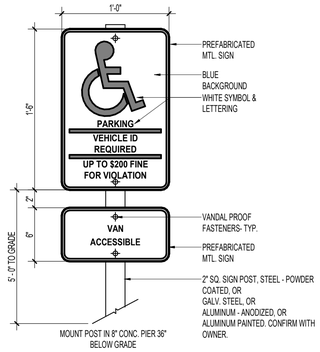
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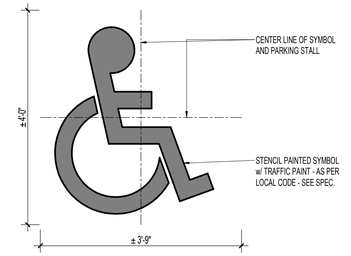
1 A1.2 **PIPE BOLLARD SECTION**
1/2" = 1'-0"



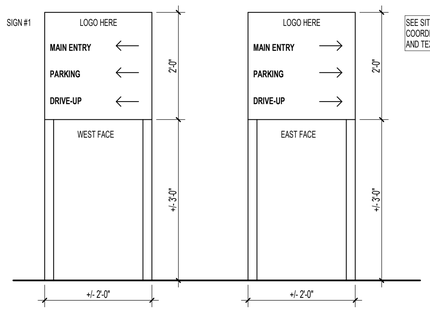
2 A1.2 **DRIVE UP ISLAND DETAIL**
1" = 1'-0"



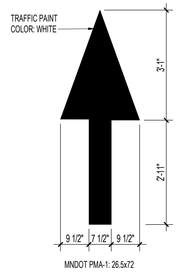
3 A1.2 **ACCESSIBLE PARKING SIGN DETAIL**
1 1/2" = 1'-0"



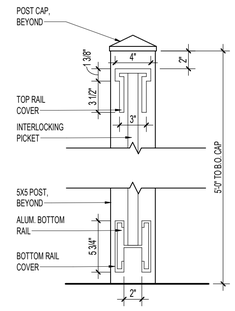
4 A1.2 **ACCESSIBLE PARKING SYMBOL**
3/4" = 1'-0"



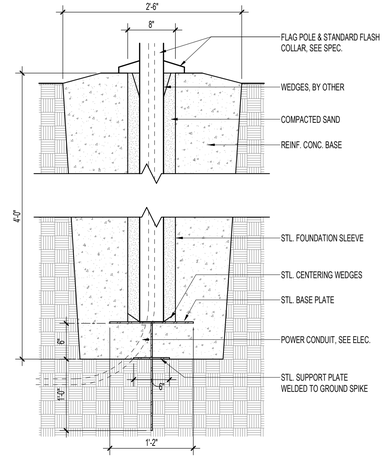
5 A1.2 **DIRECTIONAL SIGNAGE ELEVATIONS**
3/4" = 1'-0"



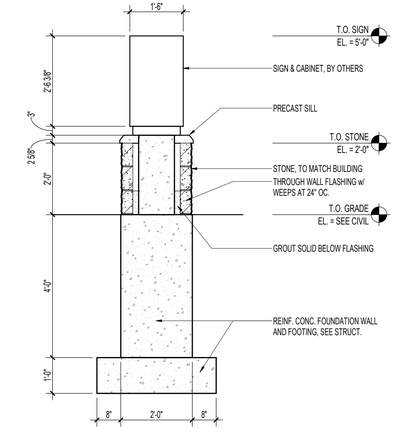
6 A1.2 **DIRECTIONAL ARROW**
1/2" = 1'-0"



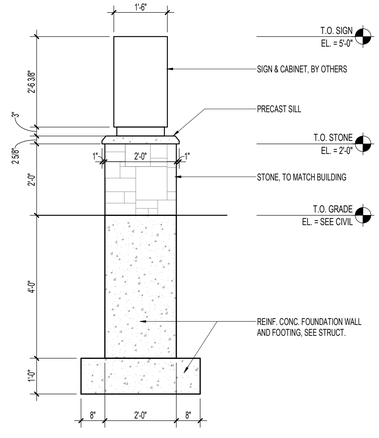
7 A1.2 **SECTION AT FENCE**
1 1/2" = 1'-0"



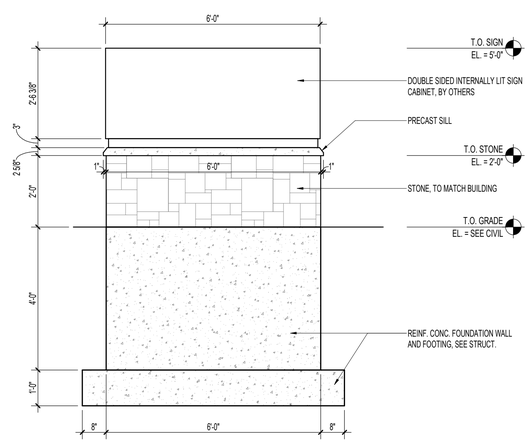
8 A1.2 **FLAG POLE BASE DETAIL**
1" = 1'-0"



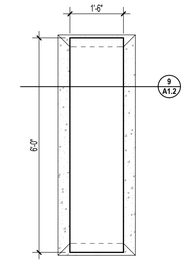
9 A1.2 **MONUMENT SIGN SECTION**
1/2" = 1'-0"



10 A1.2 **MONUMENT SIGN ELEVATION (SIDE)**
1/2" = 1'-0"



11 A1.2 **MONUMENT SIGN ELEVATION (FRONT)**
1/2" = 1'-0"



NOTE:
ALL FINAL DIMS. AND EXACT LOCATION TO BE COORDINATED WITH SIGNAGE VENDOR AND OWNER, PRIOR TO INSTALL.

12 A1.2 **MONUMENT SIGN PLAN**
1/2" = 1'-0"

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SITE DETAILS

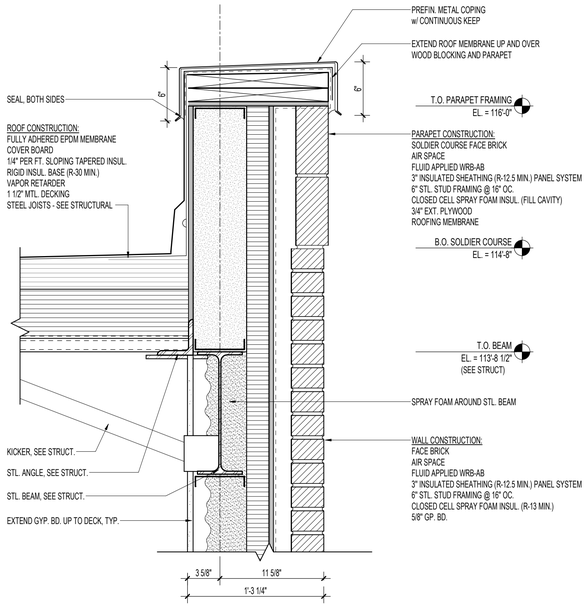
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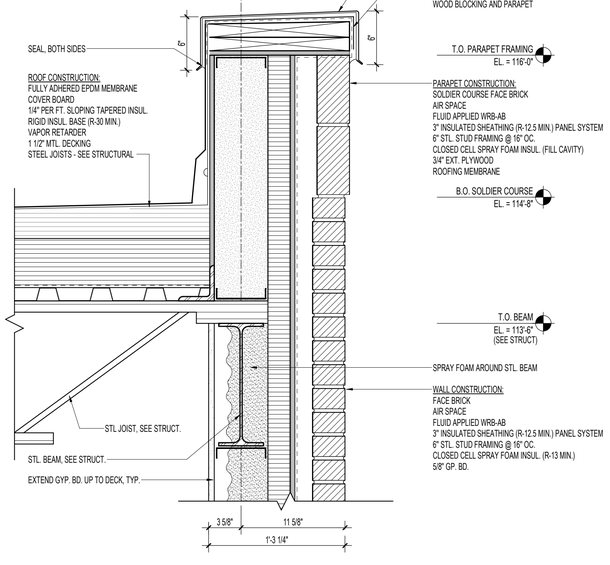
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2 A1.3 **PARAPET DETAIL @ BRICK**
1 1/2" = 1'-0"



3 A1.3 **PARAPET DETAIL @ BRICK, TYP.**
1 1/2" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF ALL ROOF PENETRATIONS TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
2. VERIFY EXACT LOCATIONS OF ROOFTOP CURBS WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
3. INSTALL RIGID INSULATION CRICKETS AT HIGH SIDE OF ALL RTU'S AND ROOF HATCH. SLOPE 1/4" PER FOOT.
4. PROVIDE PIPE FLASHINGS, CONDUIT FLASHINGS, AND MANUFACTURED GAS PIPING SUPPORTS AS REQUIRED. REFER TO TYPICAL DETAILS ON A1.3 AND MANUFACTURES DETAILS TO MEET WARRANTY OF ROOF.
5. PROVIDE STRUCTURAL FRAMING AT ALL ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS.
6. CONTRACTOR SHALL KEEP ROOF CLEAN OF ALL DEBRIS DURING ALL CONSTRUCTION WORK.
7. REFER TO DESIGN/BUILD PLUMBING DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS REQUIRING ROOF FLASHING WORK. ALL ROOF PENETRATIONS FOR MINOR ROOF VENTS AND SIMILAR ITEMS MAY NOT BE INDICATED ON THIS ROOF PLAN: HOWEVER, ALL ROOF FLASHING WORK SHALL BE PROVIDED BY THE ROOFING SUBCONTRACTOR SO AS TO OBTAIN OR MAINTAIN NEW ROOFING WARRANTIES.

MAIN BUILDING ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

DRIVE-UP CANOPY ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

CLERESTORY ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

MISCELLAENEOUS NOTES -
FULLY ADHERE EPDM. TO ALL PARAPETS- TYPICAL.

EPDM. TO BE ADHERED & MECH. FASTENED TO DECK (SEE SPEC.)

SEE MECHANICAL FOR EXACT QUANTITIES & LOCATIONS OF ROOF & OVERFLOW DRAINS.

INSTALL CRICKETS AS REQ'D. FOR PROPER ROOF DRAINAGE.

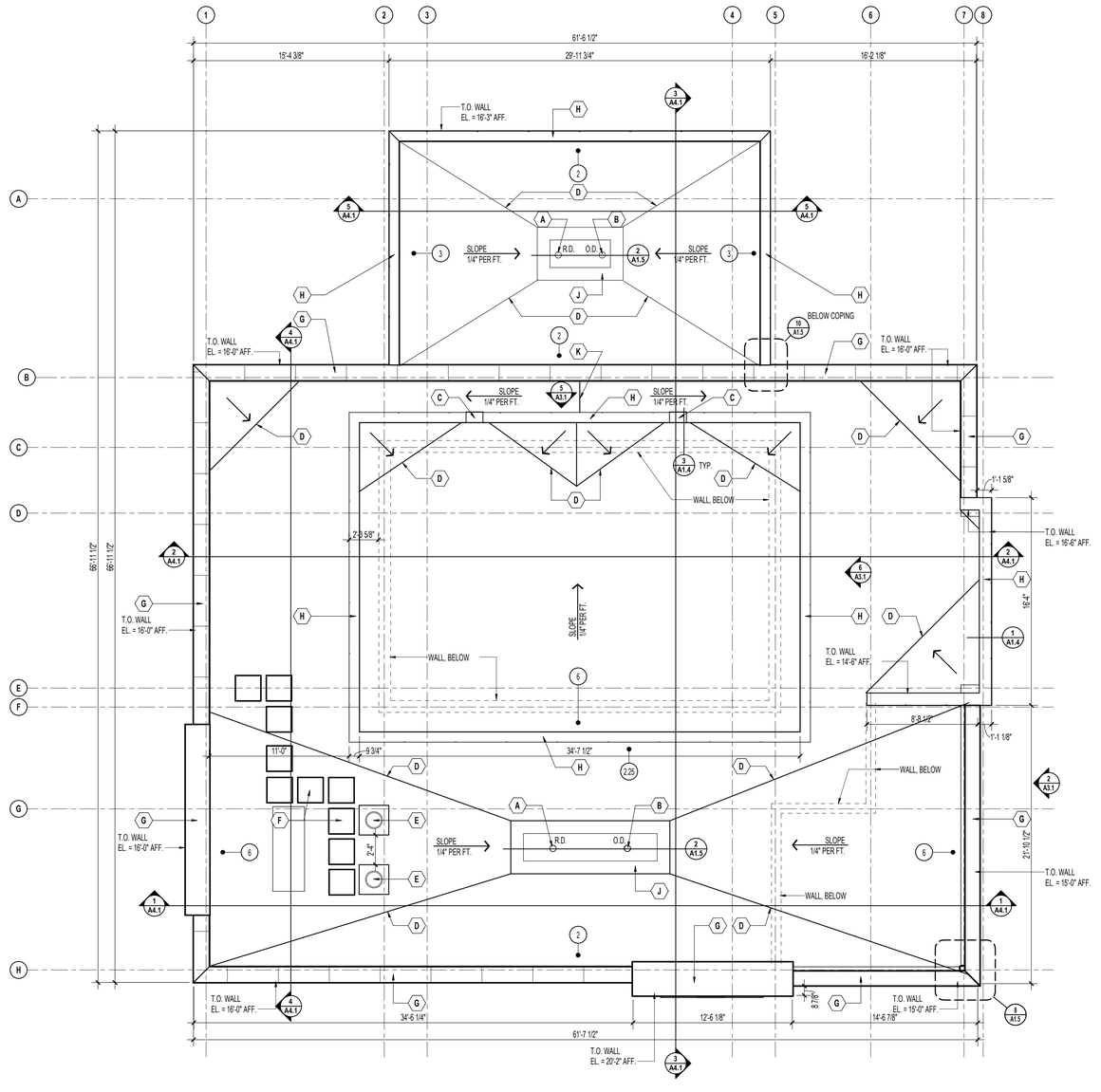
5.5 THICKNESS (IN INCHES) OF TAPERED INSULATION.

R.D. ROOF DRAIN (SEE MECH.)

O.D. OVERFLOW ROOF DRAIN (SEE MECH.) OVERFLOW DRAIN TO BE MAX. 2" ABOVE ROOF DRAIN.

00 KEYED ROOF PLAN NOTES

NO.	DESCRIPTION
A	ROOF DRAIN PER ROOF DETAILS, SEE MECHANICAL
B	OVERFLOW DRAIN PER ROOF DETAILS, SEE MECHANICAL
C	THRU-WALL SCUPPER PER ROOF DETAILS, SEE EXTERIOR ELEVATIONS
D	ROOF CRICKET, TYP.
E	RTU ON INSULATED EQUIPMENT CURB PER ROOF DETAILS - SEE MECHANICAL
F	24" x 24" WALKWAY PAVERS
G	PREFINISHED SHEET METAL PARAPET CAP, SEE DETAILS
H	PREFINISHED METAL PANEL PARAPET, SEE DETAILS
J	12" REDUCER STRIP, TYP.
K	PEAK OF TAPERED INSUL.



1 A1.3 **ROOF PLAN**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

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ROOF PLAN & ROOF DETAILS

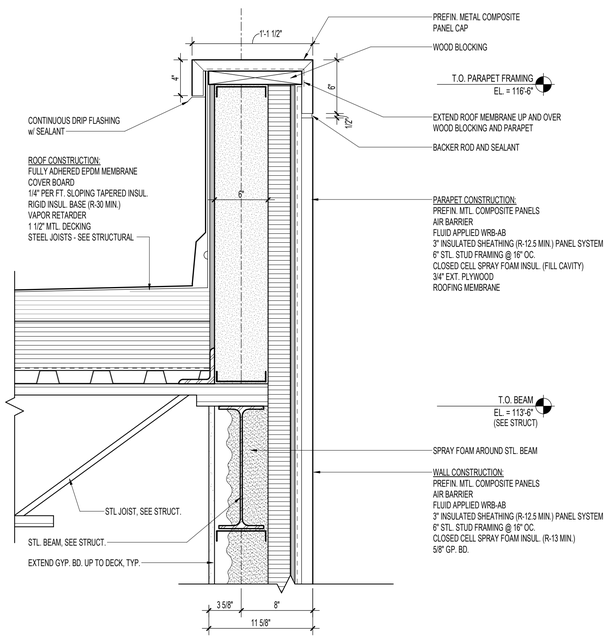
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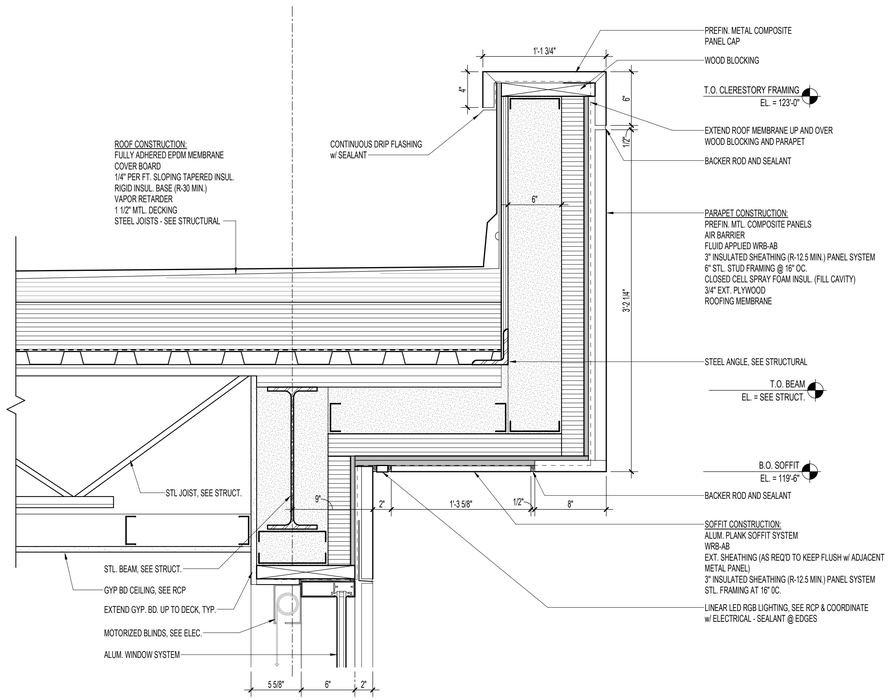
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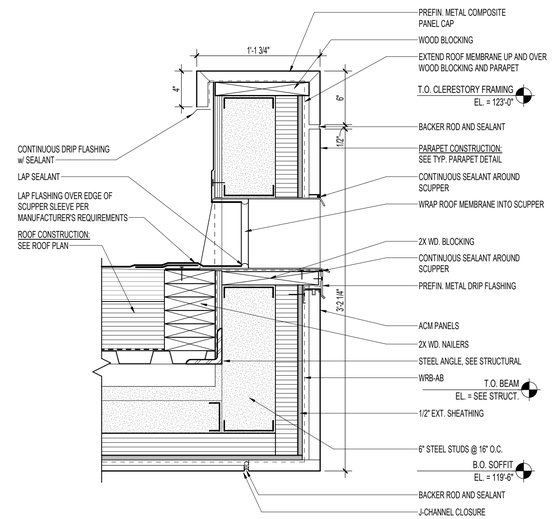
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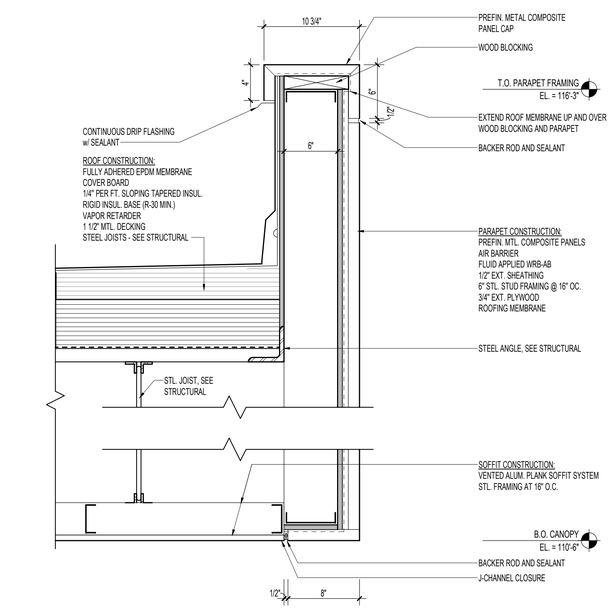
1 A1.4 **PARAPET DETAIL @ METAL PANEL CAP**
1 1/2" = 1'-0"



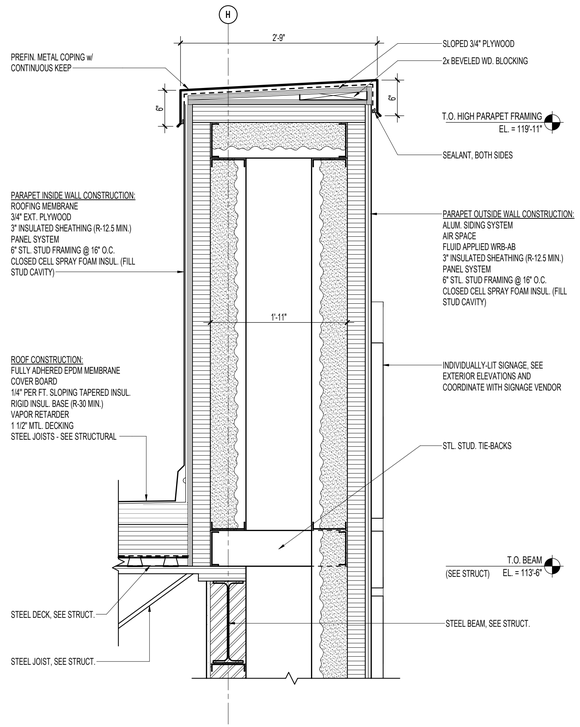
2 A1.4 **PARAPET DETAIL @ CLERESTORY**
1 1/2" = 1'-0"



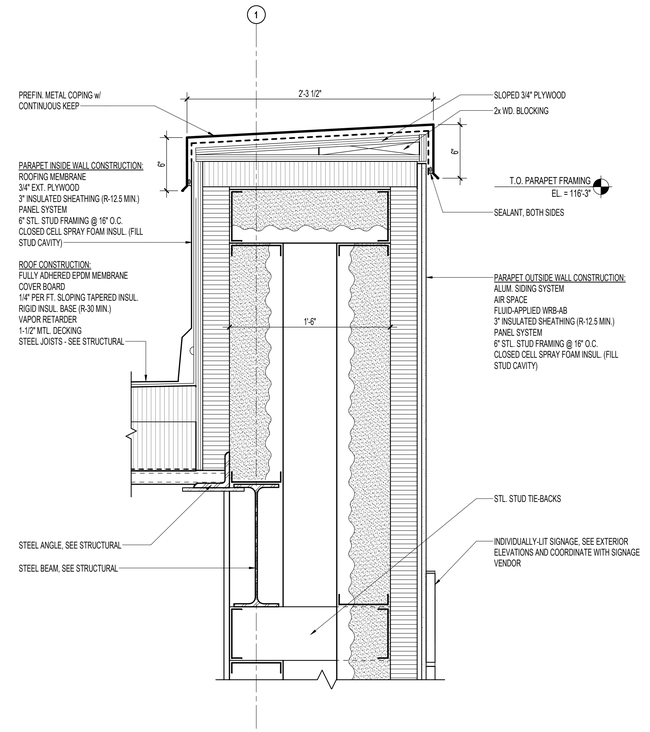
3 A1.4 **SCUPPER DETAIL @ CLERESTORY PARAPET**
1 1/2" = 1'-0"



4 A1.4 **PARAPET DETAIL @ DRIVE-THRU CANOPY**
1 1/2" = 1'-0"



5 A1.4 **PARAPET DETAIL @ SIGN WALL**
1" = 1'-0"



6 A1.4 **PARAPET DETAIL @ LOW SIGN WALL**
1 1/2" = 1'-0"

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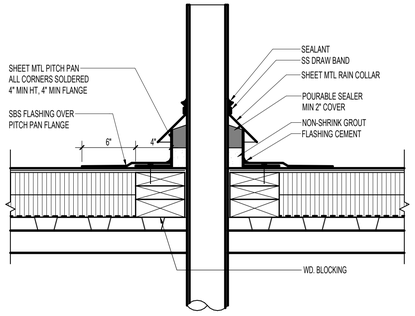
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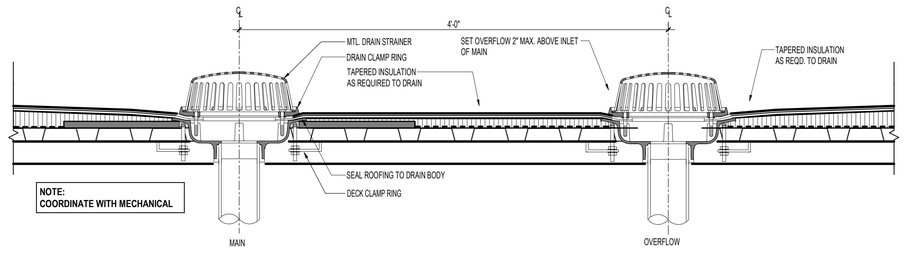
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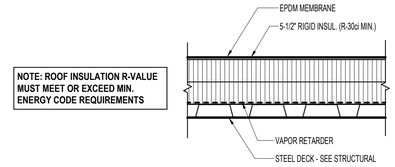
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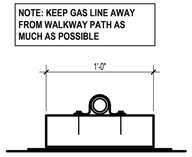
1 A1.5 **TYPICAL ROOF PENETRATION DETAIL**
1 1/2" = 1'-0"



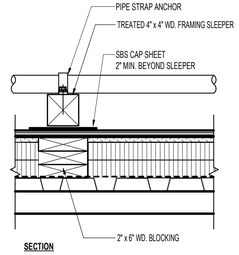
2 A1.5 **ROOF DRAIN AND OVERFLOW DRAIN DETAIL**
1 1/2" = 1'-0"



3 A1.5 **TYPICAL BUILDING ROOF DETAIL**
1 1/2" = 1'-0"

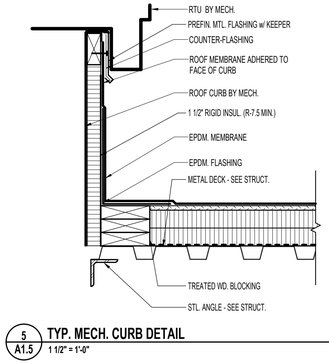


ELEVATION

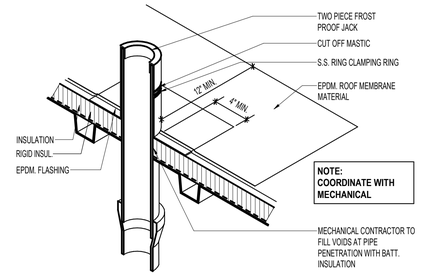


SECTION

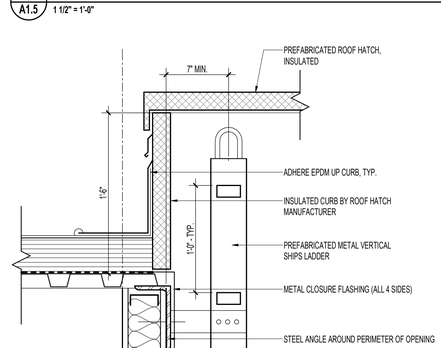
4 A1.5 **PIPE SUPPORT DETAIL**
1 1/2" = 1'-0"



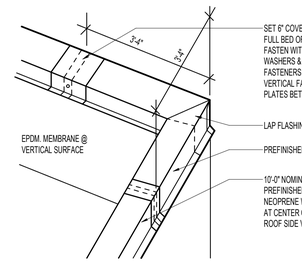
5 A1.5 **TYP. MECH. CURB DETAIL**
1 1/2" = 1'-0"



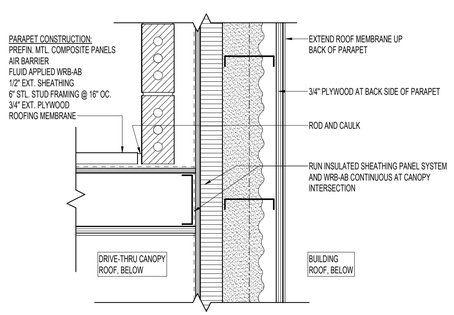
6 A1.5 **PLUMBING VENT FLASHING DETAIL**
1 1/2" = 1'-0"



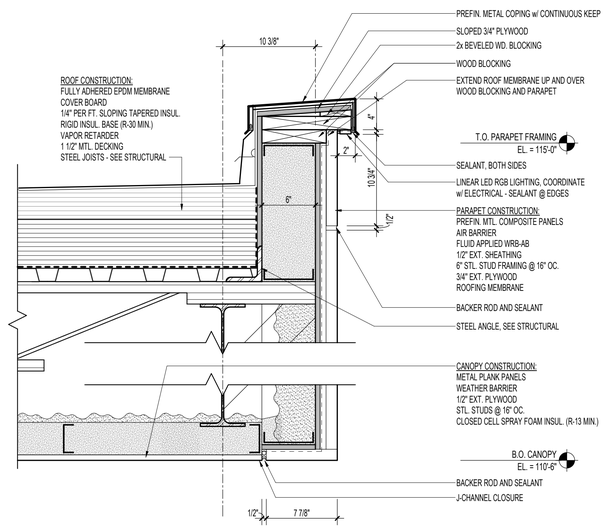
7 A1.5 **ROOF HATCH DETAIL**
1 1/2" = 1'-0"



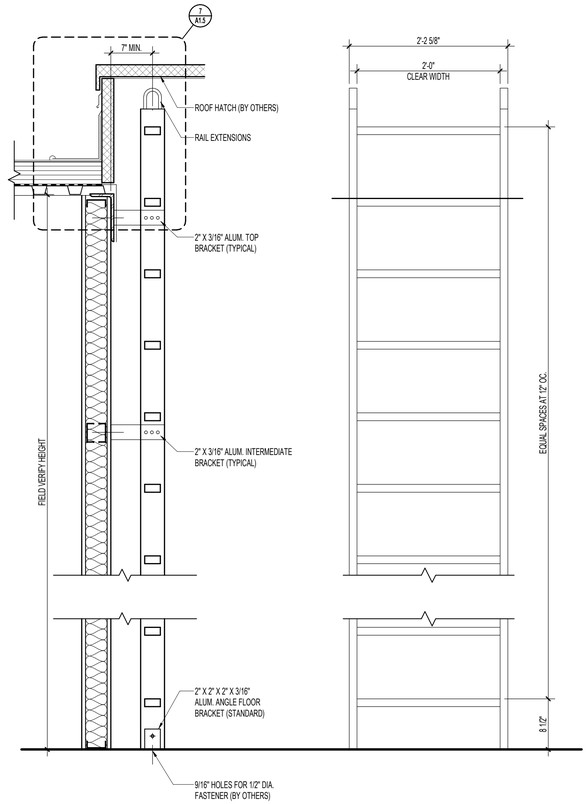
8 A1.5 **CAP FLASHING ISOMETRIC**
1 1/2" = 1'-0"



10 A1.5 **PLAN DETAIL @ CANOPY/BUILDING INTERSECTION**
1 1/2" = 1'-0"



9 A1.5 **PARAPET DETAIL @ ENTRY CANOPY**
1 1/2" = 1'-0"



11 A1.5 **VERTICAL SHIPS LADDER SECTION AND ELEVATION**
1" = 1'-0"

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BID SET	03/27/2026

REVISIONS

DATE	NO	

WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

ROOF DETAILS

Drawn By: Author Checked By: Checker

A1.5

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MAIN LEVEL DOOR SCHEDULE

SEE 1/A7.1 - 2/A7.1 AND 3/A7.1 - 10/A7.1 FOR DOOR AND FRAME ELEVATIONS

DOOR#	DOOR OPENING SIZE	DOOR		FRAME		RATING	HARDWARE GROUP	NOTES
		PANEL 1 WIDTH	MATL/ TYPE	MATL/ TYPE	DETAIL			
101	3'-0"x7'-0"x1 3/4"	3'-0"	AL-FGe	--			07	1, 2
102	3'-0"x7'-0"x1 3/4"	3'-0"	AL-FGi	--			06	1, 2
106	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			04	
108	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			01	
109	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			01	
110	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-3			01	
111	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-2			01	
112	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-3			01	
113	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-2			01	
114	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			03	
115	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4
116A	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			04	
116B	3'-0"x7'-0"x1 3/4"	3'-0"	HM-Fe	HM-1			05	
119	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4
120	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4

1. AUTOMATIC HCP. DOOR OPENER.
2. ELECTRIC LOCK (BY G.C.) & CARD READER/FOB. (DEVICE BY OTHERS).
3. COAT HOOK.
4. MORTISE PRIVACY INDICATOR

TOILET ROOM KEY:

ADA WC	ACCESSIBLE WATER CLOSET
CT	CERAMIC TILE
EWCB	ELECTRIC WATER COOLER w/ BOTTLE FILLER
FD	FLOOR DRAIN
GB	GRAB BAR
MR	MIRROR
PH	PURSE HOOK
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TPH	TOILET PAPER HOLDER

TOILET ROOM NOTES:

1. DO NOT SLOPE FLOOR TO DRAIN. VERIFY FLOOR DRAIN LOCATION w/ MECH.
2. BOTTOM OF MIRROR TO BE 38" A.F.F.
3. PROVIDE GRAB BARS @ 42" ON SIDE WALL 36" ON BACK WALL & 18" VERT. BAR. SEE ELEVATIONS FOR LOCATIONS.
4. TOP OF LAVATORY TO BE MAX. 34" A.F.F.
5. SOUND INSULATE WALLS & SOUND BATT. ON ACT.
6. MAINTAIN 18" CLEAR AT STRIKE SIDE OF ALL TOILET COMPARTMENT DOORS - TYP.
7. SEE FINISH PLANS ON F1 FOR ADDITIONAL INFORMATION.
8. CAULK JOINT AROUND PLUMBING FIXTURES & MIRROR - TYP.
9. EPOXY PAINTED WALLS AT LOCATIONS WITHOUT C.T.

A BANK EQUIPMENT KEYED LIST

BANK EQUIPMENT KEYED LIST (N.I.C. PROVIDED AND INSTALLED BY OWNER'S EQUIPMENT VENDOR. GC TO COORDINATE OPENING HEIGHTS, SIZES, AND POWER/DATA REQUIREMENTS)

NO.	DESCRIPTION
A	TELLER CASH RECYCLER (TCR). SEE MILLWORK DETAILS
B	SELF SERVICE COIN COUNTER (CC). SEE DETAIL THIS SHEET
C	ELECTRIC DEAL DRAWER (DD). SEE MILLWORK DETAILS
D	3'-0"H. x 10'-0"L. BULLET-RESISTANT (BR) WINDOW & FRAME FINISHED TO MATCH STOREFRONT FRAMES. SEE FRAME TYPES
E	PNEUMATIC REMOTE DRIVE-UP KIOSK, UPSEND TYPE
F	PNEUMATIC TUBES ABOVE W/ 20" MIN. CENTERLINE RADIUS CORNERS
G	PNEUMATIC OPERATOR UNIT, INSTALL CENTERED ON BR WINDOW UNIT U.N.O.
H	THRU-WALL NIGHT DEPOSITORY (ND) HEAD AND CHEST WITH 1" STEEL SURROUND. SEE DETAIL THIS SHEET
J	FREESTANDING DRIVE-UP INTERACTIVE TELLER MACHINE (ITM)
M	STEEL VAULT DOOR 180 DEG. SWING WITH FLOOR/ WALL STOP
N	SERVER/ IT RACK (ROOM 106) - SEE ELEC.
O	FREESTANDING PRINTER/ COPIER
P	PRINTER W CABINETRY

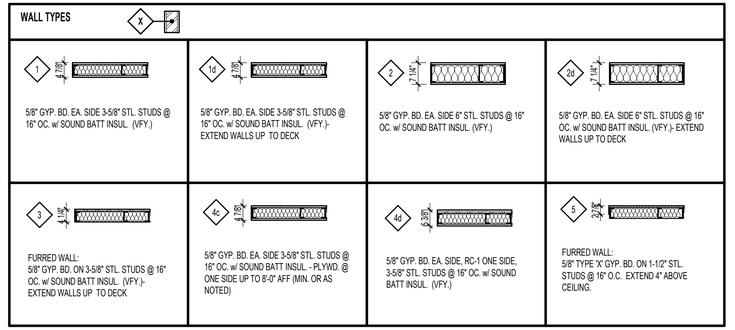
00 KEYED PLAN NOTES

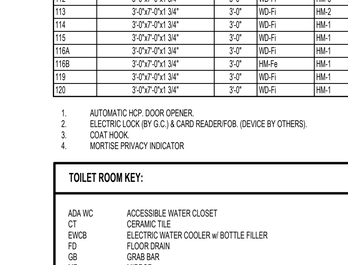
NO.	DESCRIPTION
2	FLOOR MOUNTED JANITORS SINK w/ FRP ON WALL (2) SIDES 2'-6" WIDE x 4'-0" HIGH SEE MECHANICAL DRAWINGS FOR SINK CONNECTIONS & SIZES
3	34" WIDE - WALL MTD. MOP HANGER & SHELF. PROVIDE PLYWOOD BLOCKING. SEE SPEC. FOR MORE INFORMATION
4	STEEL ROOF LADDER FOR ROOF ACCESS - SEE DETAIL _____
6	SEMI-RECESSED ELECTRIC FIRE PLACE- SEE SPECS.
7	TV AND MOUNTING BRACKET - BY OWNER. GC TO INSTALL AND PROVIDE PLYWOOD BACKING AS REQUIRED
8	WATER SOFTENER - SEE MECHANICAL DRAWINGS
9	WATER HEATER - SEE MECHANICAL DRAWINGS
10	ELECTRIC WATER COOLER WITH BOTTLE FILLER - SEE MECHANICAL DRAWINGS
11	ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS

GENERAL NOTES:

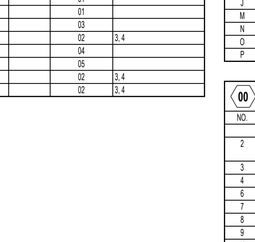
1. CONTACT ARCHITECT IMMEDIATELY IF CONFLICTS ARISE w/ INSTALLATION OF ACCESSORIES & EQUIPMENT. NO CHANGES ACCEPTABLE UNLESS SHOWN ON PLAN OR APPROVED BY ARCHITECT.
2. MOUNT FIRE EXTINGUISHER CABINETS @ 5'-0" A.F.F. TO TOP OF CABINET. FINAL LOCATIONS TO BE VERIFIED BY LOCAL FIRE CHIEF.
3. GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR WALL-HUNG ITEMS (CABINETS, SHELVING, COUNTERTOPS, ... etc.)
4. ALL MECHANICAL, ELECTRICAL AND PLUMBING BY DESIGN BUILD CONTRACTOR.
5. ALL STOOP SLABS AND APRONS TO BE POURED WITH SIDEWALK TO MATCH FINISH, TOOLING, & JOINTS
6. ACT CEILING TO BE CENTERED IN EACH TOILET ROOM. U.N.O.
7. FUR OUT WALLS AROUND ROOF DRAIN RAIN WATER LEADER (RD. RWL.) & OVERFLOW ROOF DRAIN RAIN WATER LEADER (OD. RWL.) w/ 5/8" GYP. BD. ON 2 1/2" STL. STUDS- VFY. LOCATIONS w/ MECH.
8. INTERIOR COLUMNS TO BE FINISHED w/ 5/8" GYP. BD. ON 7/8" STL. FURRING CHANNELS w/ MTL. J-BEADS @ EACH CORNER- SEE ENLARGED DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL COLUMN SIZES.
9. DOORS WITH MARKING "CR" INDICATE THE SIDE OF THE DOOR TO RECEIVE SECURE ACCESS CREDENTIAL READER - SEE DOOR SCHEDULE
10. INTERIOR PARTITIONS SHALL BE 3-5/8" STL. STUDS @ 16" O.C. w/ 5/8" GYP. BD. ON EA. SIDE EXTENDED 4" ABOVE CEILING-UNLESS NOTED OTHERWISE. SEE WALL TYPES ON THIS SHEET_____
11. ALL INTERIOR WALLS DIMENSIONED TO GYP. BD. FINISH FACE U.N.O.
12. ALL OFFICES, BOARD ROOM, BREAK ROOM, AND COMMUNITY ROOM WALLS TO EXTEND TO DECK WITH SOUND BATT INSULATION
13. INSTALL ALL DOOR FRAMES 3" OFFSET FROM ADJACENT WALL FINISH FACES UNLESS NOTED OTHERWISE
14. FURNITURE BY OWNER SHOWN WITH DASHED LINEWORK

WALL TYPES

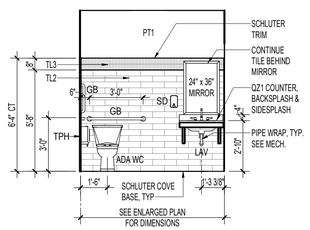




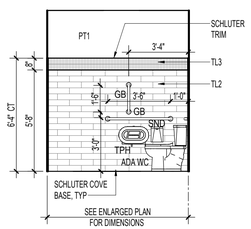
2 A2.1 ENLARGED TOILET PLAN - MEMBERS
1/4" = 1'-0"



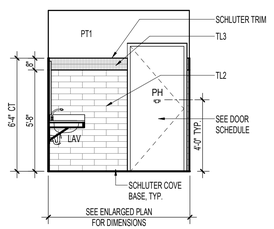
3 A2.1 ENLARGED TOILET PLAN - EMPLOYEES
1/4" = 1'-0"



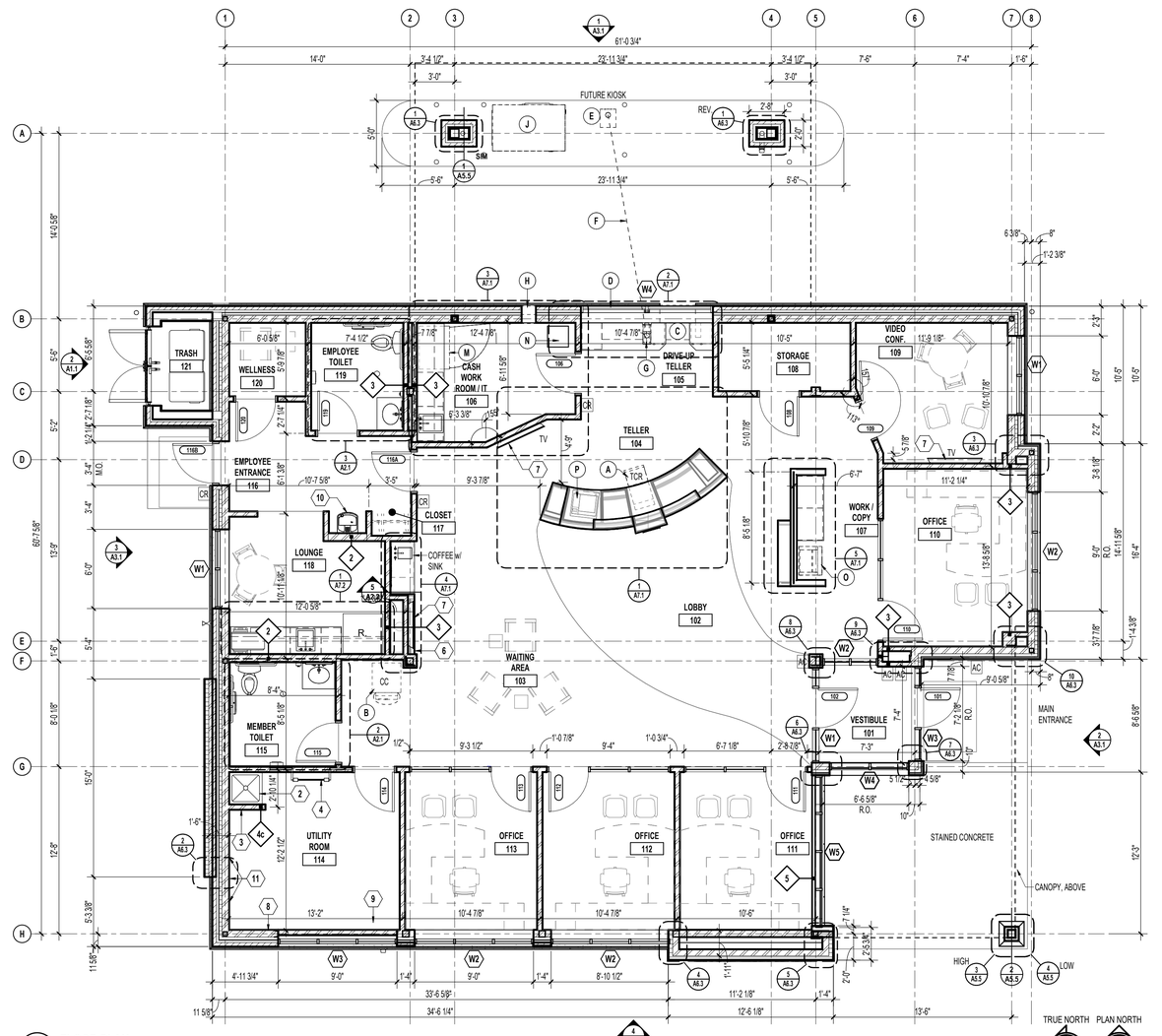
4 A2.1 TOILET ROOM ELEVATION - PLUMBING
1/4" = 1'-0"



5 A2.1 TOILET ROOM ELEVATION - GRAB BARS
1/4" = 1'-0"



6 A2.1 TOILET ROOM ELEVATION - ENTRY
1/4" = 1'-0"



1 A2.1 FLOOR PLAN
3/16" = 1'-0"

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WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

FLOOR PLAN, SCHEDULES, AND ENLARGED TOILET PLANS

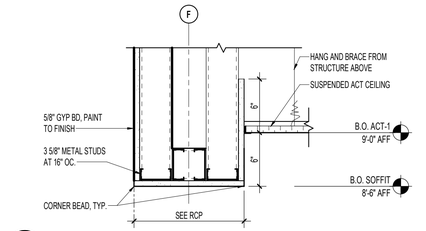
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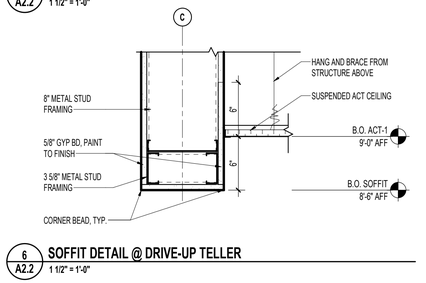
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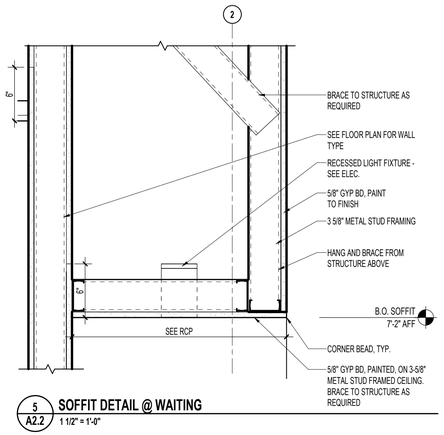
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4 A2.2 **SOFFIT DETAIL**
1 1/2" = 1'-0"



6 A2.2 **SOFFIT DETAIL @ DRIVE-UP TELLER**
1 1/2" = 1'-0"



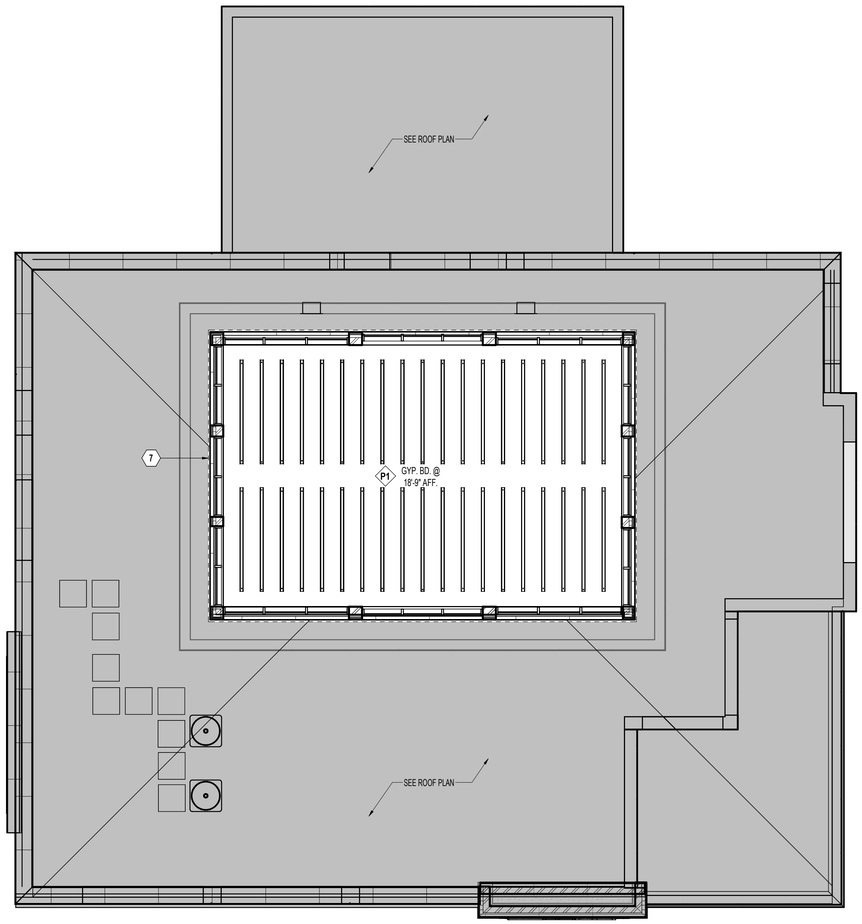
5 A2.2 **SOFFIT DETAIL @ WAITING**
1 1/2" = 1'-0"

00 KEYED CEILING PLAN NOTES

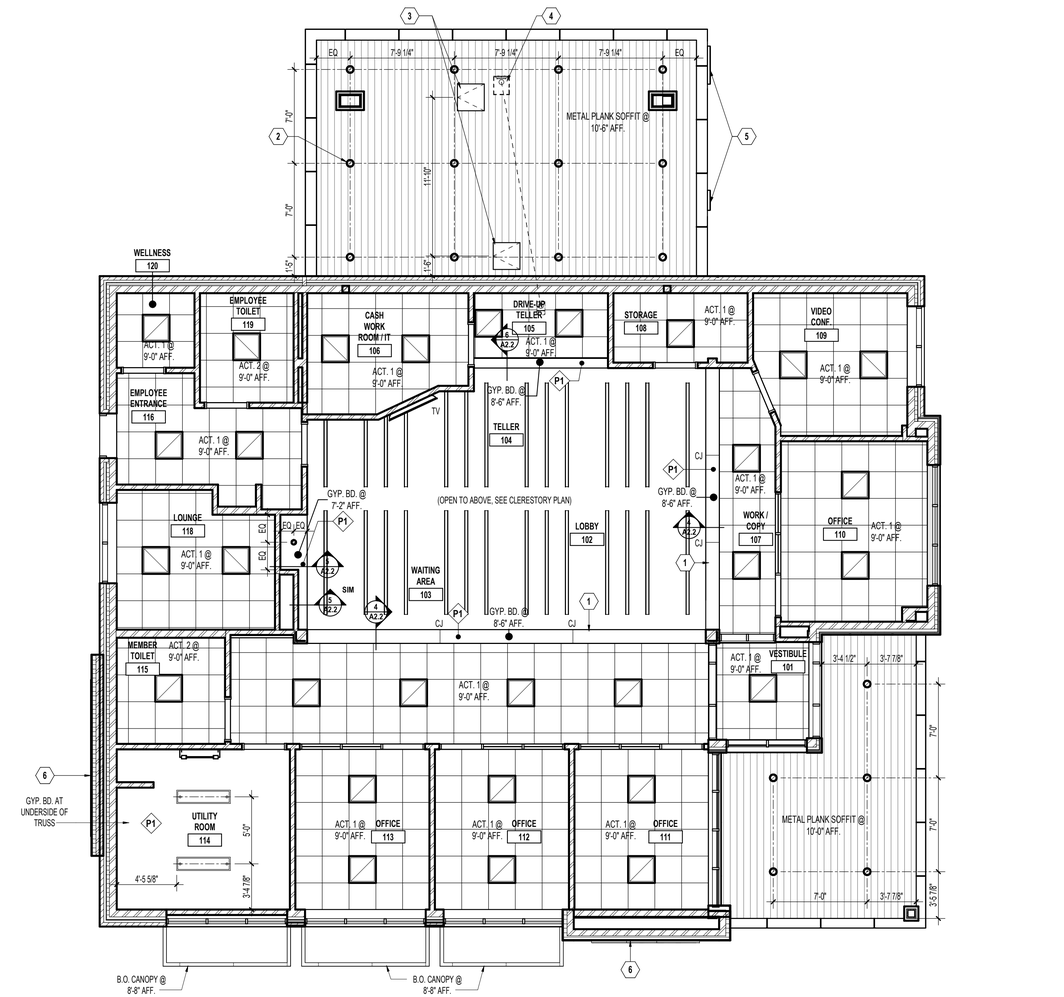
NO.	DESCRIPTION
1	CONTROL JOINTS TO BE EVENLY SPACED BETWEEN COLUMNS AND RUN VERTICALLY TO CLERESTORY ABOVE
2	COORDINATE LIGHT FIXTURE LOCATIONS WITH ELECTRICAL AND BANK EQUIP. SUPPLIER
3	2'X2' ACCESS PANEL, COORDINATE WITH BANK EQUIP. SUPPLIER
4	FUTURE PNEUMATIC TUBE LOCATION, COORDINATE WITH BANK EQUIP. SUPPLIER AND ELECTRICAL
5	LANE LIGHTS, SEE ELECTRICAL (2-THUS)
6	EXTERIOR BACKLIT SIGN. SEE ELEVATIONS. COORDINATE WITH ELECTRICAL AND SIGN VENDOR.
7	DASHED LINE INDICATES LINEAR LIGHTING AT B.O. CLERESTORY CANOPY, COORDINATE WITH ELECTRICAL (ALL FOUR SIDES)

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING SOFFIT w/ PAINT FINISH - SEE SPEC...
- ACT. 1 - 2'X2' SUSPENDED CEILING GRID w/ 2'x2' PAINTED MINERAL FIBER PANELS
- 8" VENTED PREFINISHED FLUSH LINEAR METAL CEILING SYSTEM
- 2'X2' RECESSED FLUORESCENT LT. FIXTURE
- RECESSED DOWNLIGHT LIGHT FIXTURE
- SURFACE MOUNTED UTILITY LIGHT FIXTURE
- EXIT LIGHT - SINGLE-SIDED
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING RETURN - SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- JUNCTION BOX, CEILING MOUNTED
- CEILING MOUNTED FOURPLEX RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTABLE



3 A2.2 **CLERESTORY RCP**
3/16" = 1'-0"



1 A2.2 **MAIN LEVEL RCP**
3/16" = 1'-0"

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12055 03/27/2026
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MAIN LEVEL REFLECTED CEILING PLAN

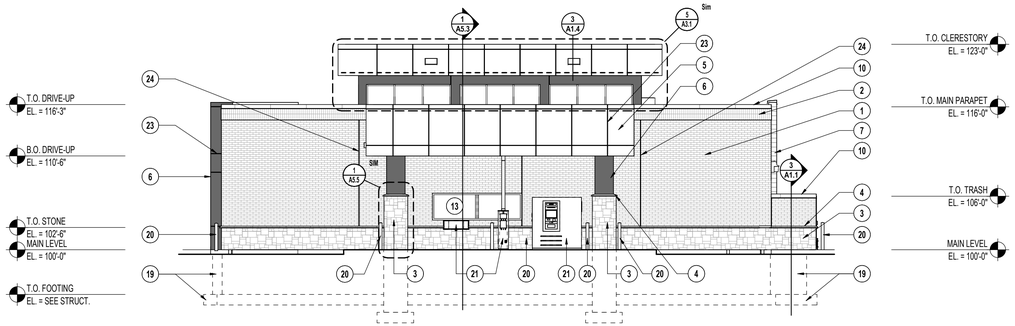
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A2.2

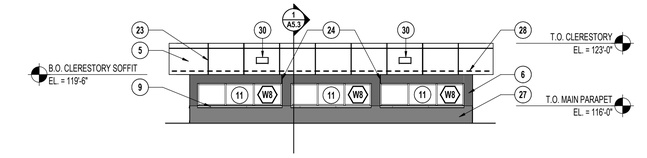
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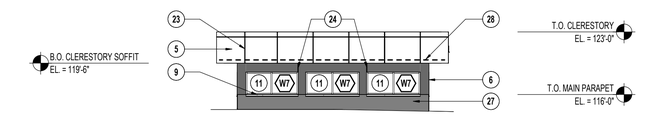
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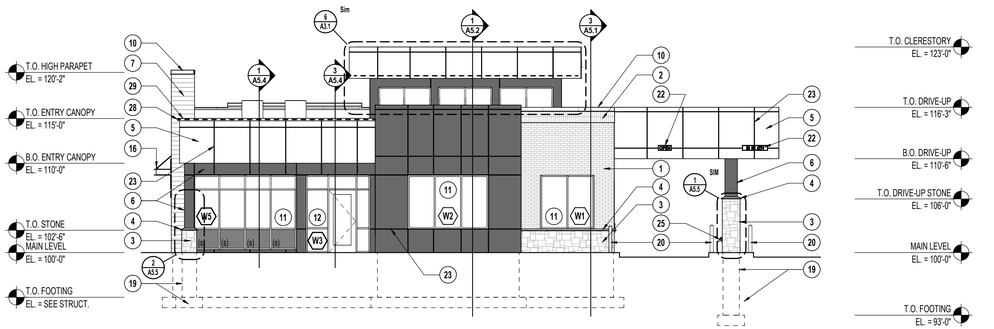
1 A3.1 **NORTH ELEVATION**
1/8" = 1'-0"



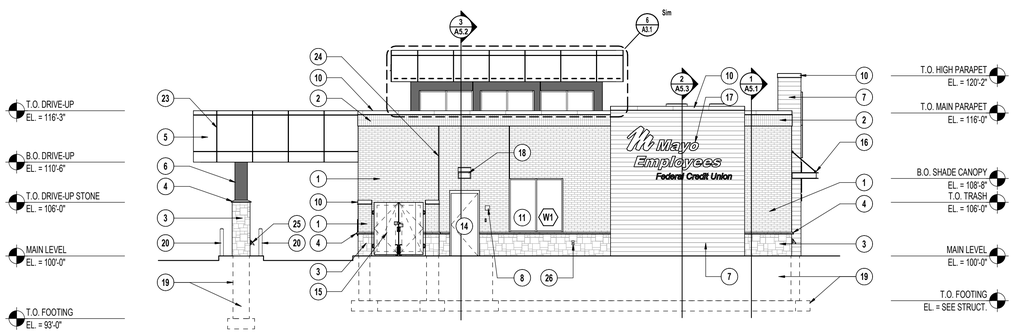
5 A3.1 **NORTH CLERESTORY ELEVATION**
1/8" = 1'-0"



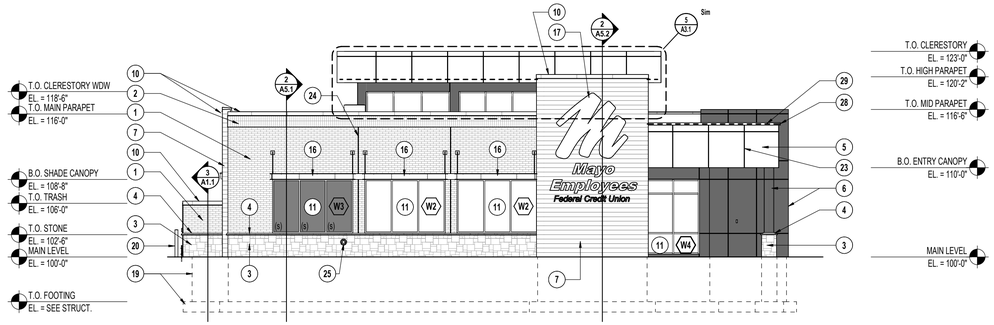
6 A3.1 **EAST CLERESTORY ELEVATION**
1/8" = 1'-0"



2 A3.1 **EAST ELEVATION**
1/8" = 1'-0"



3 A3.1 **WEST ELEVATION**
1/8" = 1'-0"



4 A3.1 **SOUTH ELEVATION**
1/8" = 1'-0"

00	KEYED NOTES - EXTERIOR ELEVATION
NO.	DESCRIPTION
1	BRICK - CLOUD CERAMICS STYLE: VELOUR MODULAR COLOR: COFFEE
2	(2) ROWS OF STACKED SOLDIER BRICK COURSING - MATCH TYPICAL BRICK STYLE & COLOR
3	NATURAL STONE BASE - BUECHEL STONE STYLE: TAILORED BLEND COLOR: SILVERDALE
4	NATURAL STONE SILL - BUECHEL STONE STYLE / COLOR: MATCH STONE BASE
5	ACM-1 - ALUCOBOND PLUS SYSTEM: WET SEAL PANEL SYSTEM COLOR: TBD
6	ACM-2 - ALUCOBOND PLUS SYSTEM: WET SEAL PANEL SYSTEM COLOR: TBD
7	ALUMINUM SIDING - LONGBOARD SYSTEM: TONGUE & GROOVE - 6" COLOR: TBD
8	KNOCK BOX FOR FIRE DEPARTMENT
9	PREFINISHED METAL SILL - PAC-CLAD (OR EQUAL) COLOR: TBD
10	PREFINISHED METAL COPING - PAC-CLAD (OR EQUAL) COLOR: TBD
11	ALUMINUM STOREFRONT WINDOW COLOR: CLEAR ANODIZED OUTBOARD LITE: BRONZE TINTED GLASS INBOARD LITE: CLEAR GLASS
12	ALUMINUM DOOR & FRAME COLOR: CLEAR ANODIZED
13	ALUMINUM DRIVE-UP WINDOW COLOR: CLEAR ANODIZED
14	INSULATED HOLLOW METAL DOOR COLOR: PAINT SW 7019 GAUNTLET GRAY
15	STEEL TRASH ENCLOSURE GATE COLOR: PAINT SW 7019 GAUNTLET GRAY
16	SHADE CANOPY / EYEBROW - MANUFACTURER? COLOR: PAINT?
17	BACKLIT LOGO SIGNAGE, GC TO COORDINATE W/ ELECTRICAL & OWNER'S SIGNAGE VENDOR
18	EXTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
19	FOUNDATION WALLS & FOOTINGS, SEE STRUCTURAL DRAWINGS
20	4" DIA. BOLLARD w/ BOLLARD COVER/SLEEVE, COLOR TBD BY ARCH
21	BANK EQUIPMENT, SEE FLOOR PLAN & BANK EQUIPMENT SCHEDULE - COORDINATE W/ BANK EQUIPMENT PROVIDER
22	DRIVE-UP AISLE SIGNAGE, COORDINATE W/ ELECTRICAL & OWNER'S SIGNAGE VENDOR
23	PANEL JOINTS IN ACM, TYP.
24	CONTROL/RELIEF JOINTS, TYP.
25	ROOF DRAINAGE OUTLET / COW'S TONGUE
26	HOSE BIB LOCATION, PROVIDE SMOOTH TRIM STONE @ CONNECTION TO BLDG
27	EPDM ROOFING, WRAP VERTICALLY UP FACE OF CLERESTORY WALL - SEE SECTIONS
28	CONCEALED DECORATIVE LED LIGHTING, SEE ROOF SECTIONS & ELECTRICAL DRAWINGS
29	PREFINISHED METAL COPING - PAC-CLAD (OR EQUAL) - SEE DETAIL COLOR: TBD
30	PREFINISHED METAL SCUPPER - SEE ROOF PLAN & ROOF DETAILS

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EXTERIOR ELEVATIONS

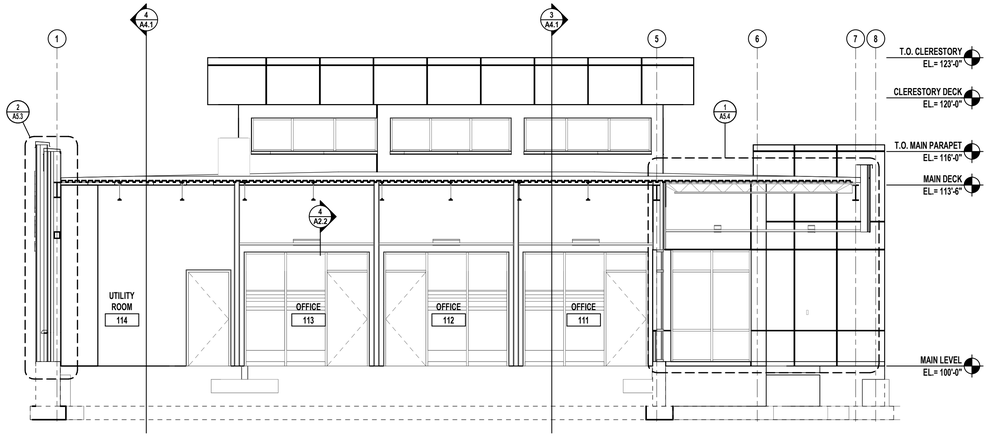
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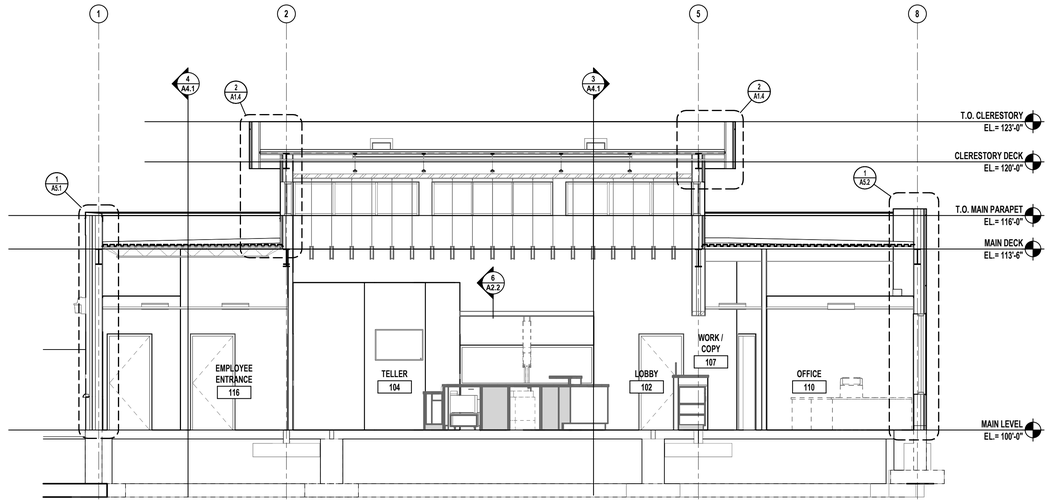
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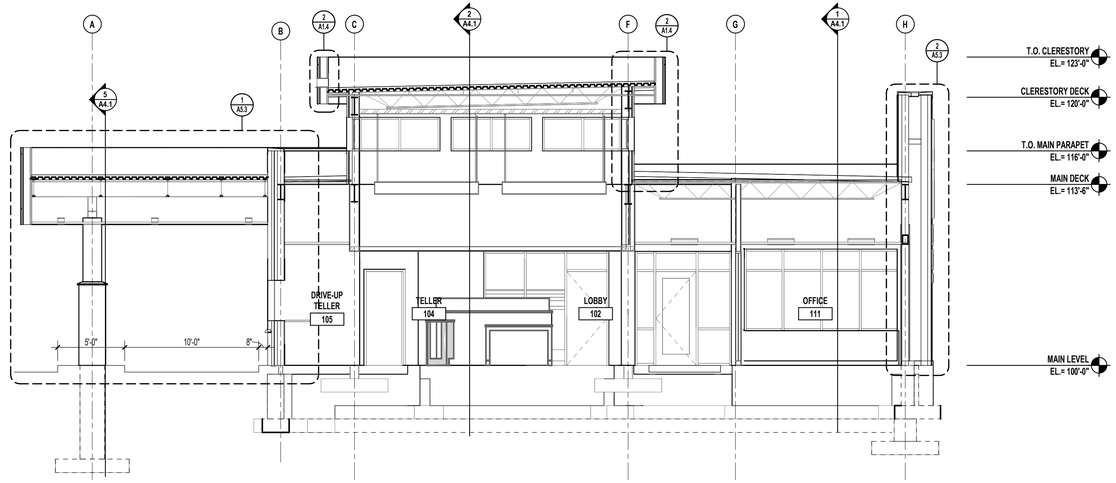
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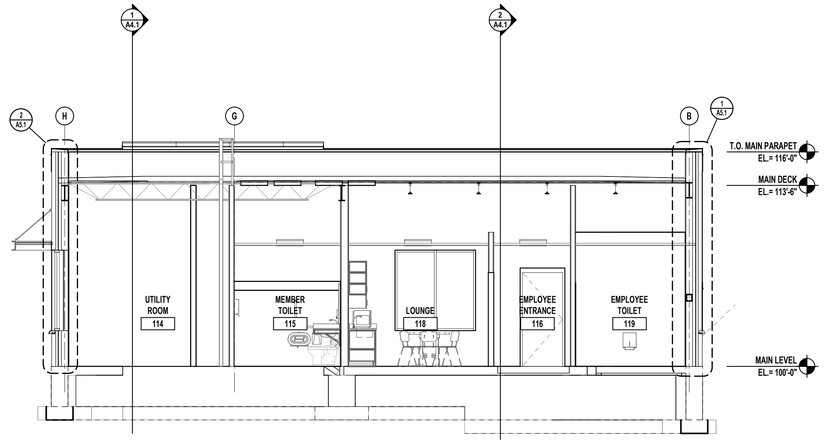
1 A4.1 **EAST/WEST BUILDING SECTION (LOOKING TO CLERESTORY)**
3/16" = 1'-0"



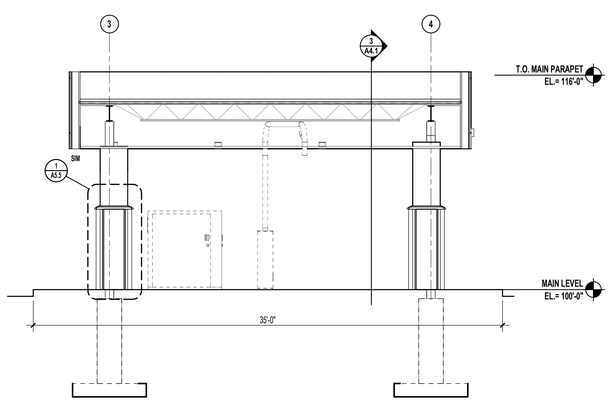
2 A4.1 **EAST/WEST BUILDING SECTION (AT CLERESTORY)**
3/16" = 1'-0"



3 A4.1 **NORTH/SOUTH BUILDING SECTION (LOOKING EAST)**
3/16" = 1'-0"



4 A4.1 **NORTH/SOUTH BUILDING SECTION (LOOKING WEST)**
3/16" = 1'-0"



5 A4.1 **BUILDING SECTION AT DRIVE-UP**
3/16" = 1'-0"

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BUILDING SECTIONS

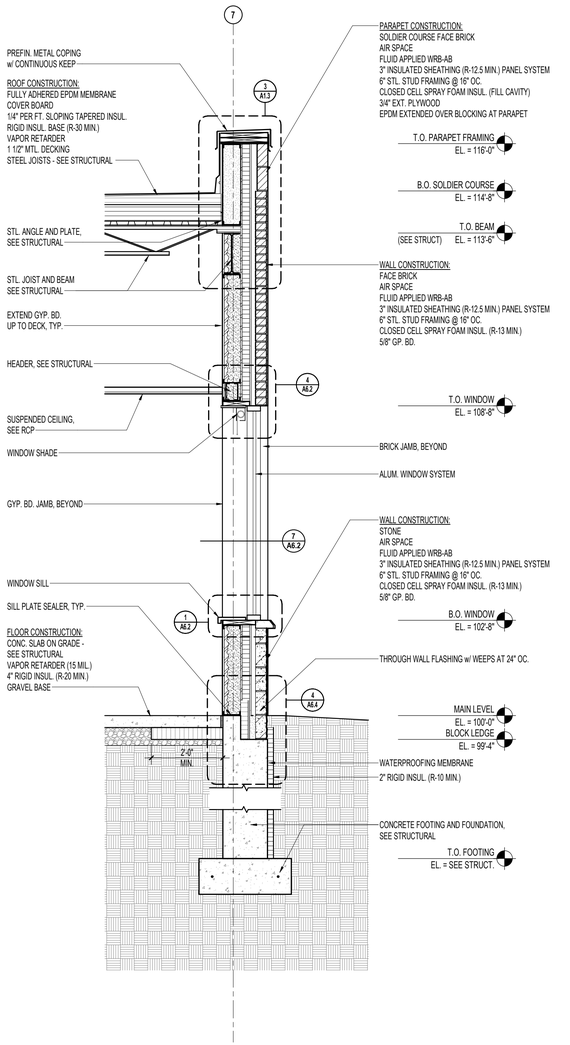
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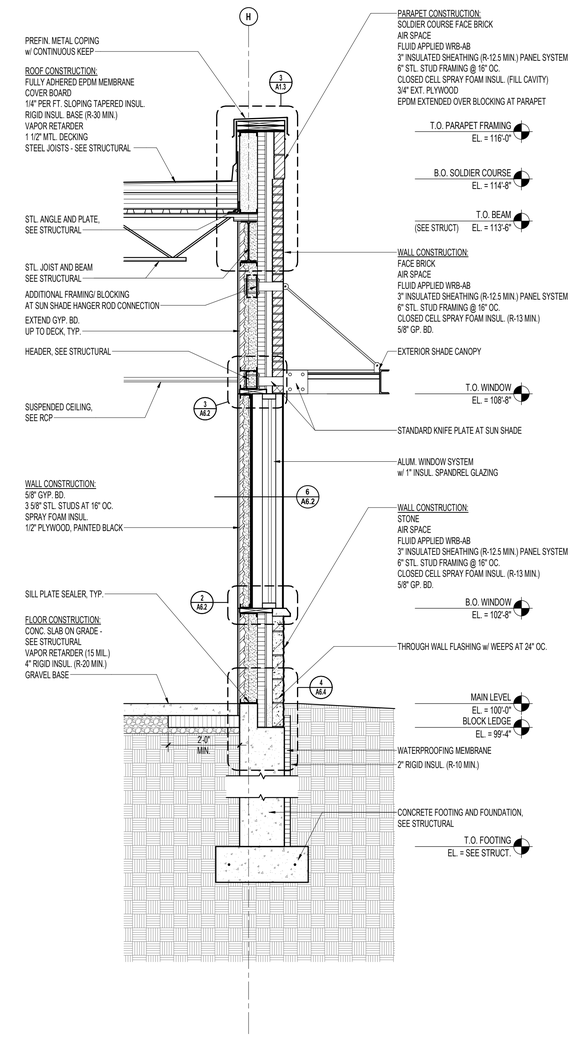
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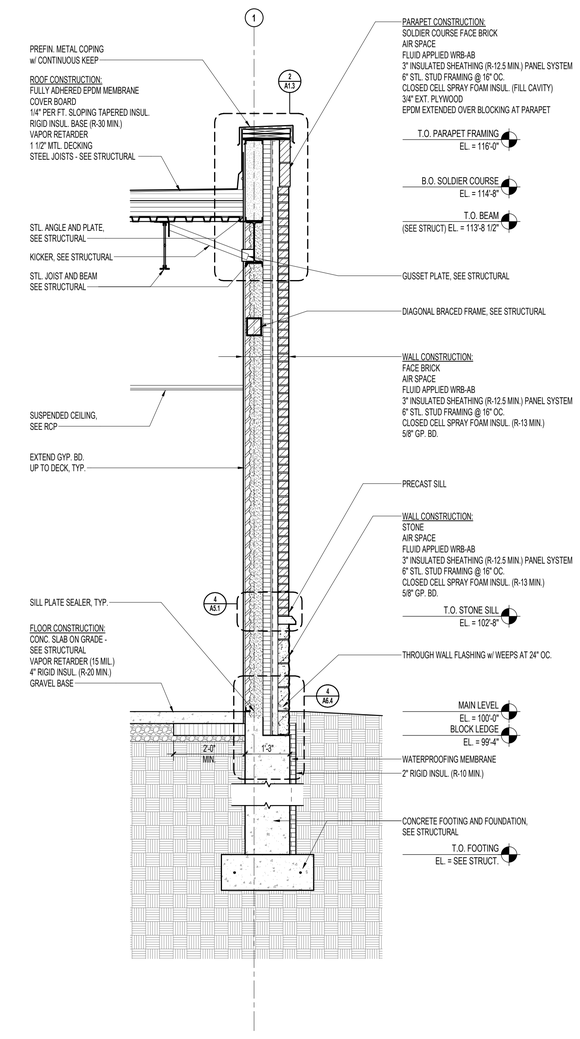
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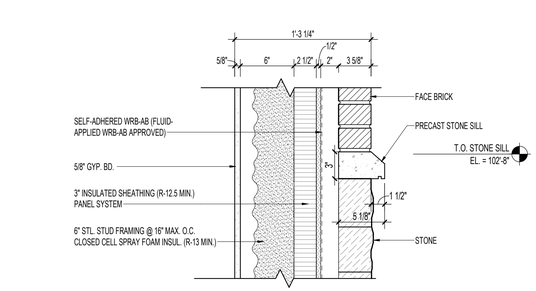
3 A5.1 WALL SECTION, WINDOW
1/2" = 1'-0"



2 A5.1 WALL SECTION, WINDOW, SPANDREL
1/2" = 1'-0"



1 A5.1 WALL SECTION, TYP.
1/2" = 1'-0"



4 A5.1 DETAIL @ STONE SILL
1 1/2" = 1'-0"

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WALL SECTIONS

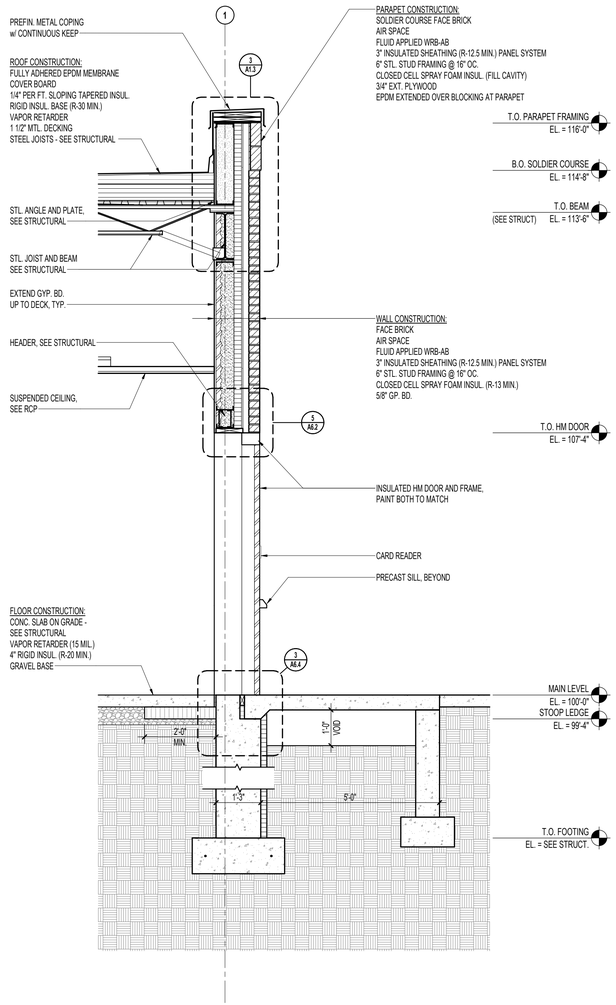
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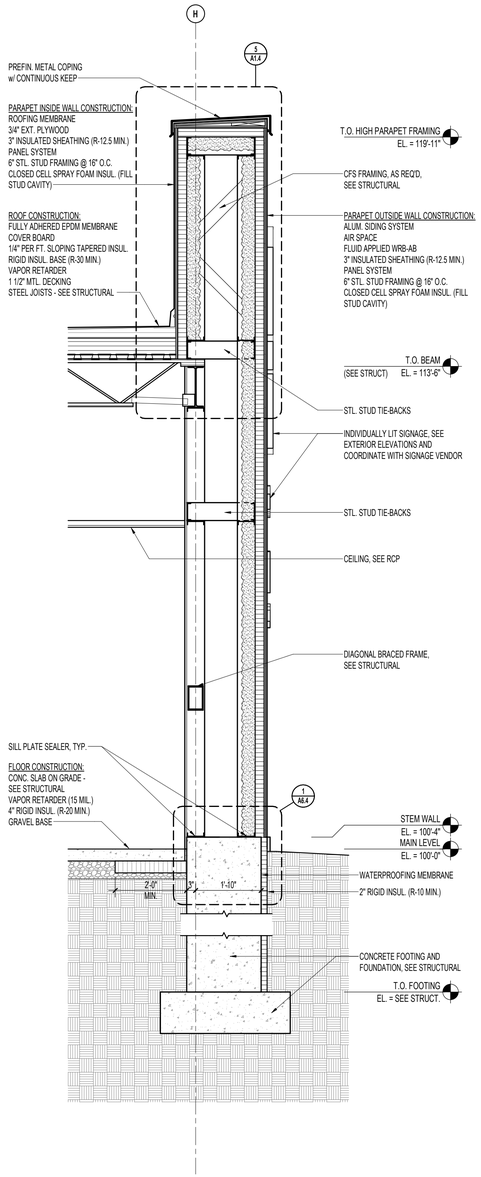
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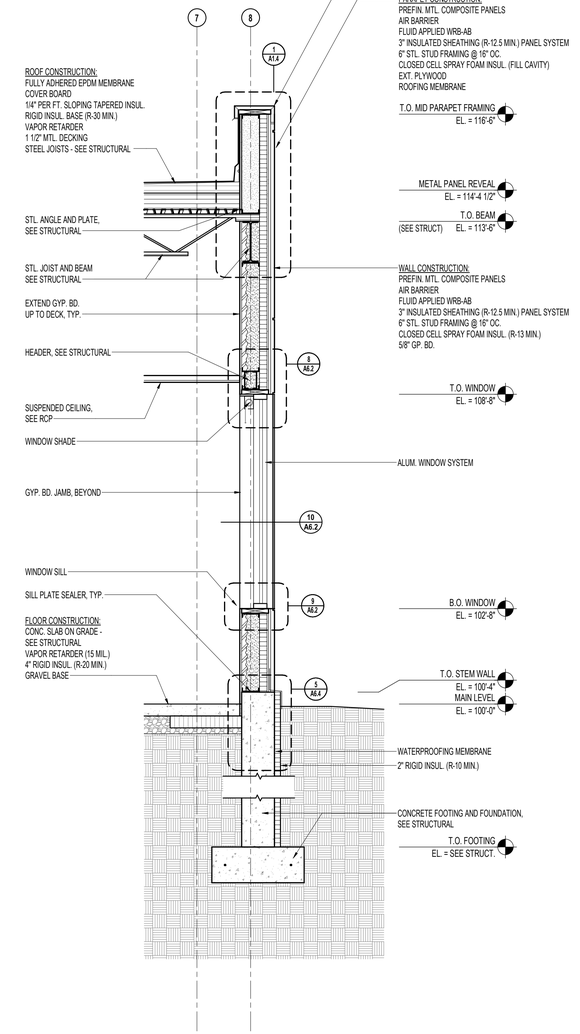
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3 A5.2 **WALL SECTION, EMPLOYEE ENTRY**
1/2" = 1'-0"



2 A5.2 **WALL SECTION, SIGN WALL**
1/2" = 1'-0"



1 A5.2 **WALL SECTION, WINDOW, METAL PANEL**
1/2" = 1'-0"

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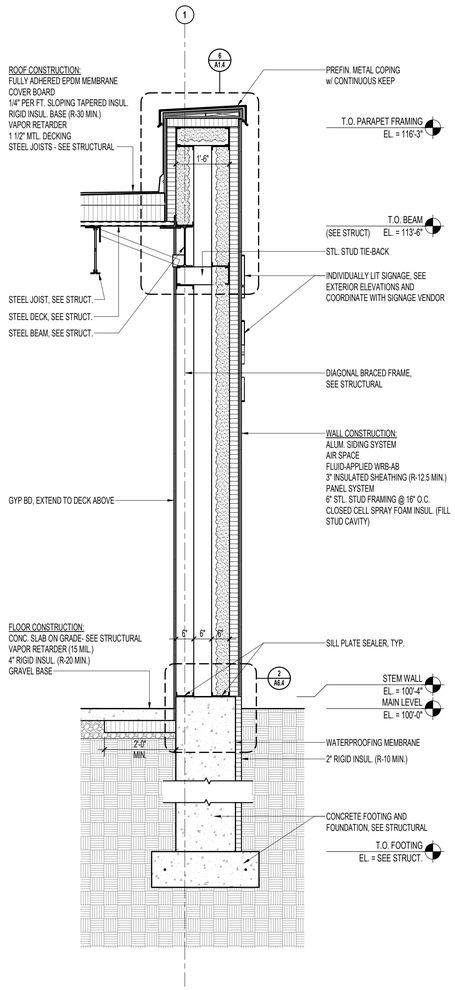
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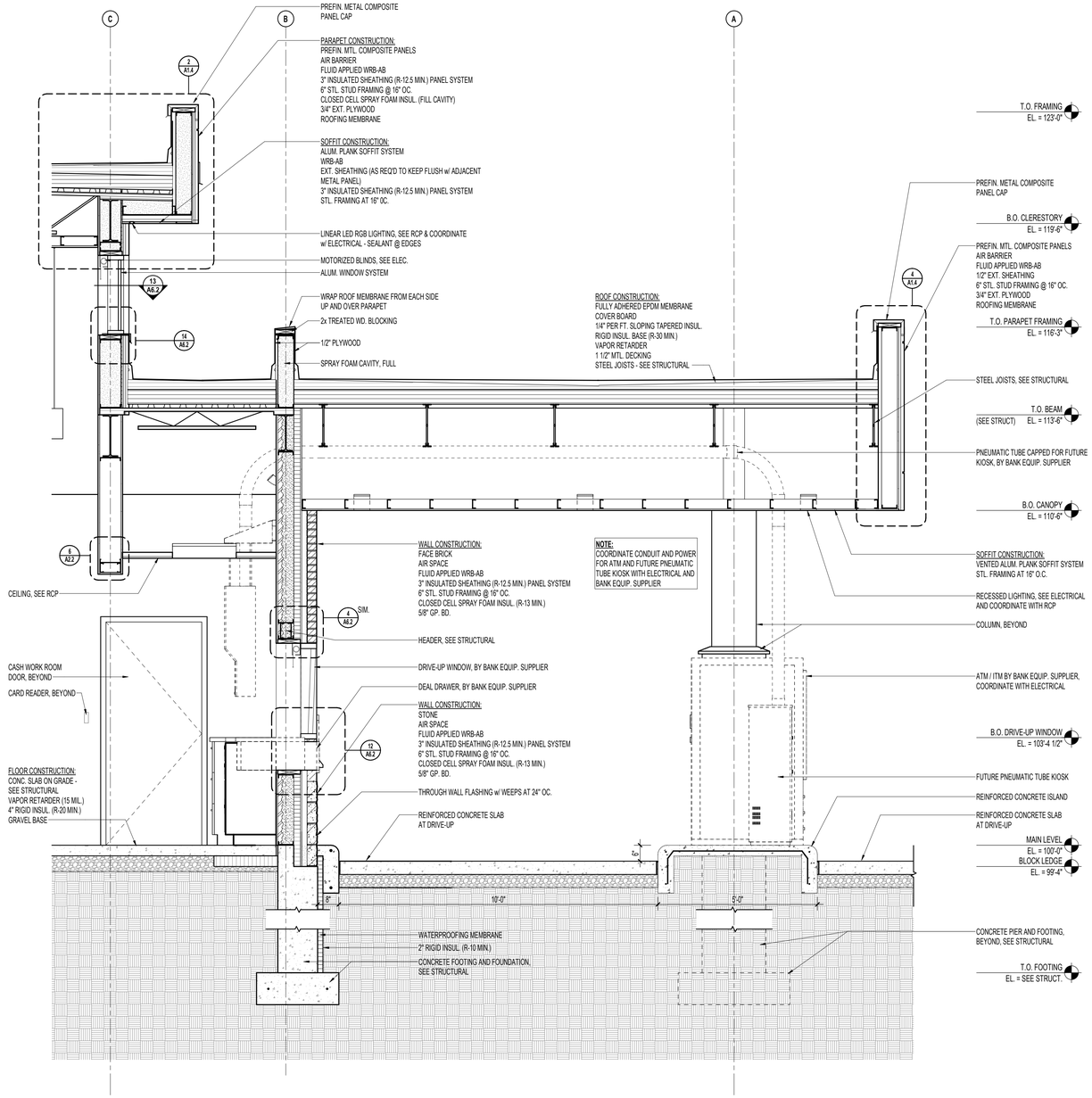
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2 A5.3 **WALL SECTION AT DOUBLE WALL**
1/2" = 1'-0"

1 A5.3 **SECTION AT DRIVE-UP**
1/2" = 1'-0"

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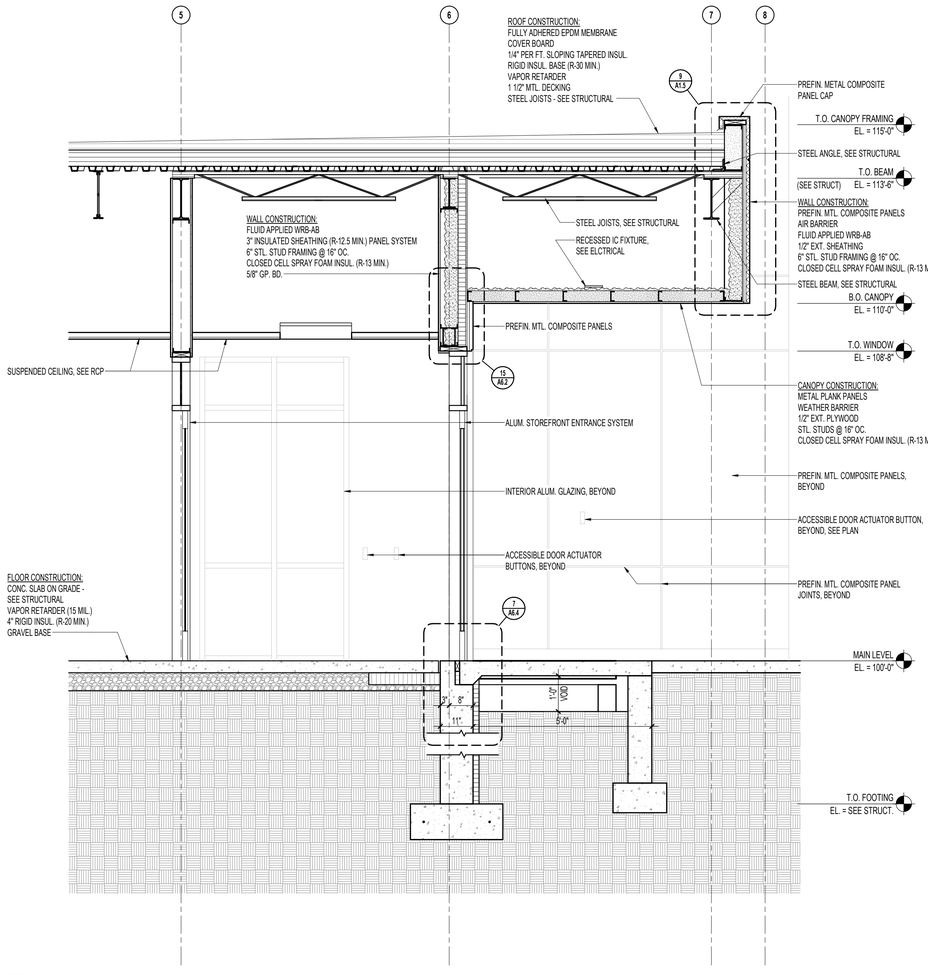
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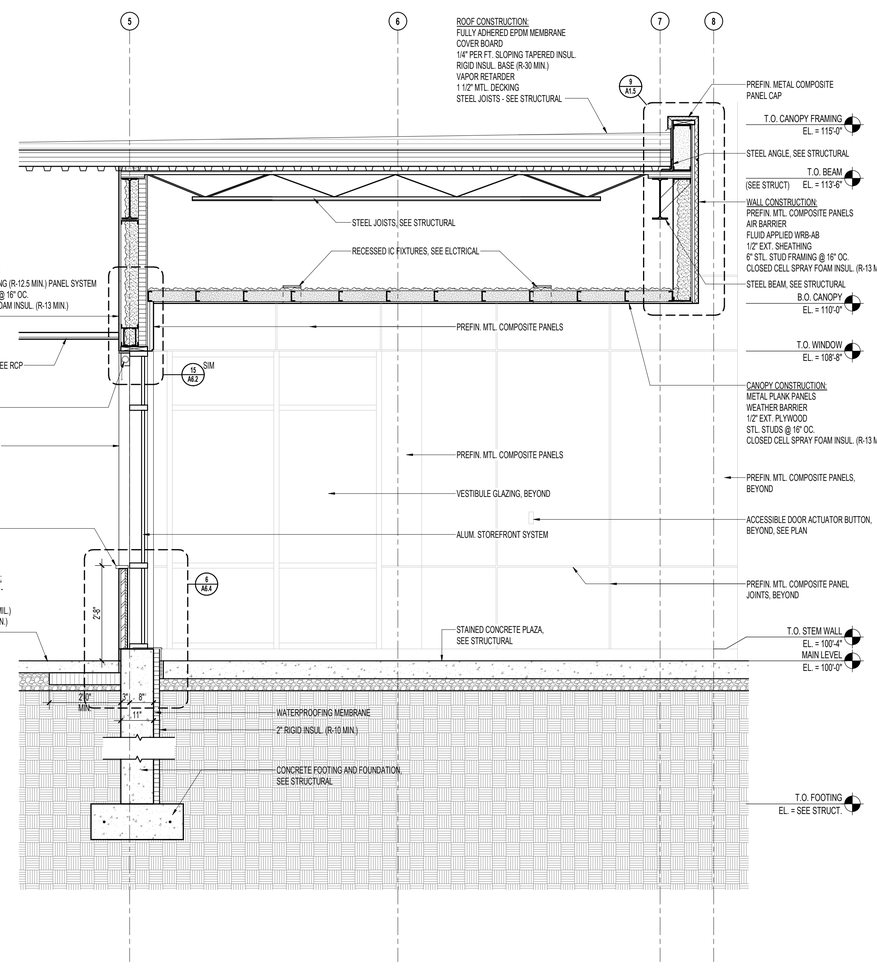
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3 A5.4 **SECTION @ MAIN ENTRANCE**
1/2" = 1'-0"



1 A5.4 **SECTION @ STOREFRONT AND CANOPY**
1/2" = 1'-0"

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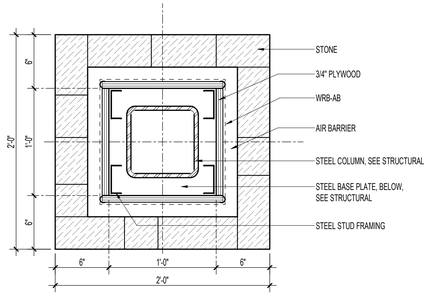
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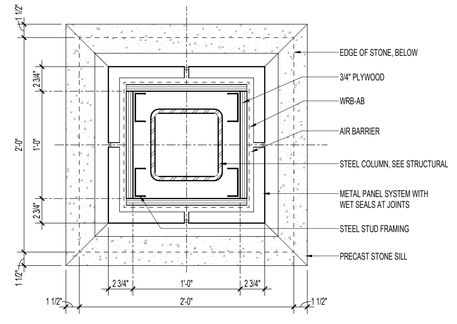
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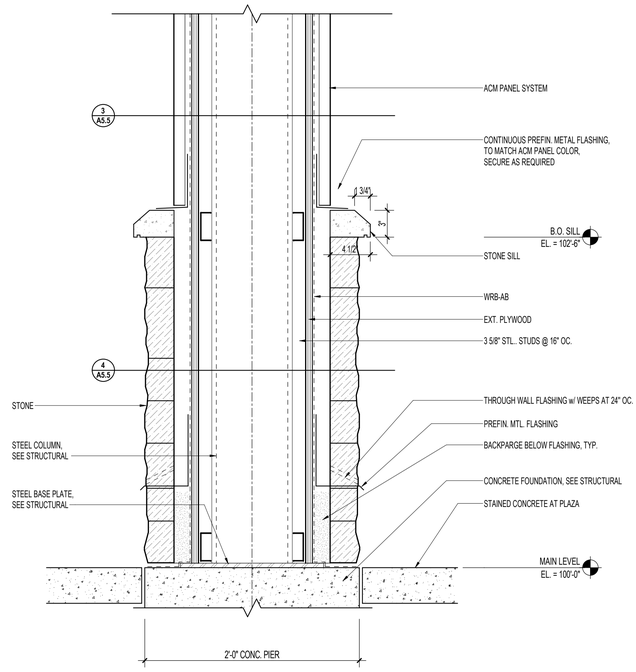
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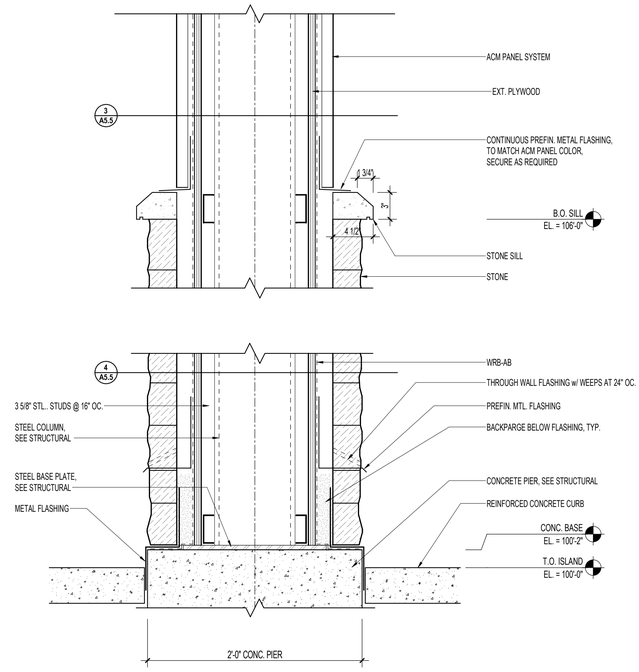
4 A5.5 **PLAN DETAIL @ COLUMN, LOW**
1 1/2" = 1'-0"



3 A5.5 **PLAN DETAIL @ COLUMN, HIGH**
1 1/2" = 1'-0"



2 A5.5 **SECTION @ ENTRANCE COLUMN**
1 1/2" = 1'-0"



1 A5.5 **SECTION @ DRIVE-UP COLUMNS**
1 1/2" = 1'-0"

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DETAIL SECTIONS

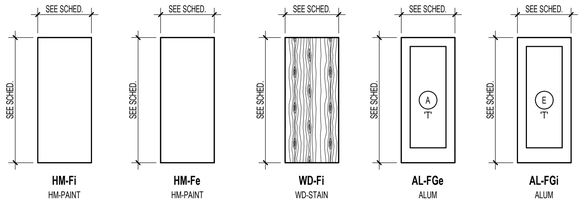
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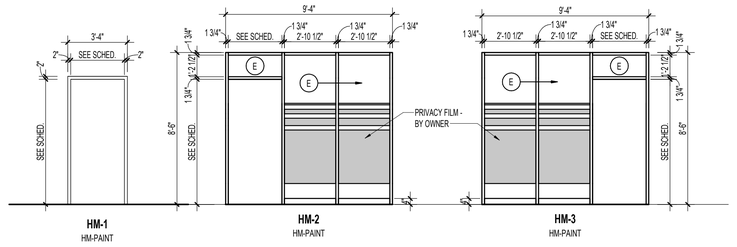
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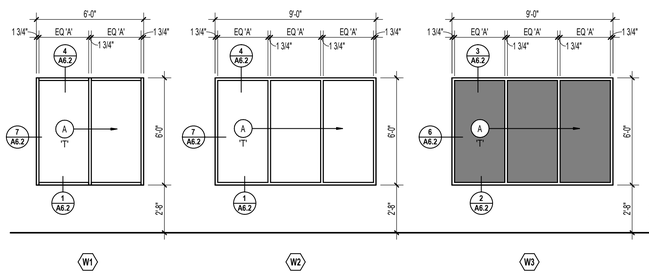
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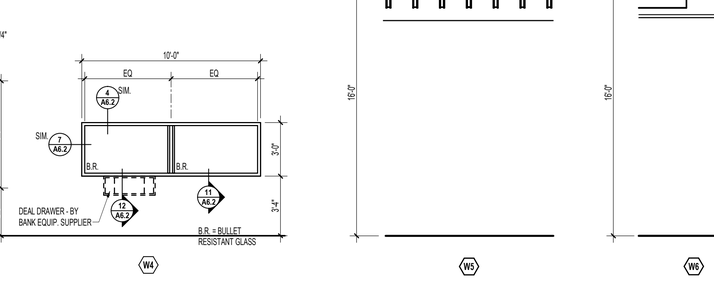


1 A6.1 DOOR ELEVATIONS
1/4" = 1'-0"

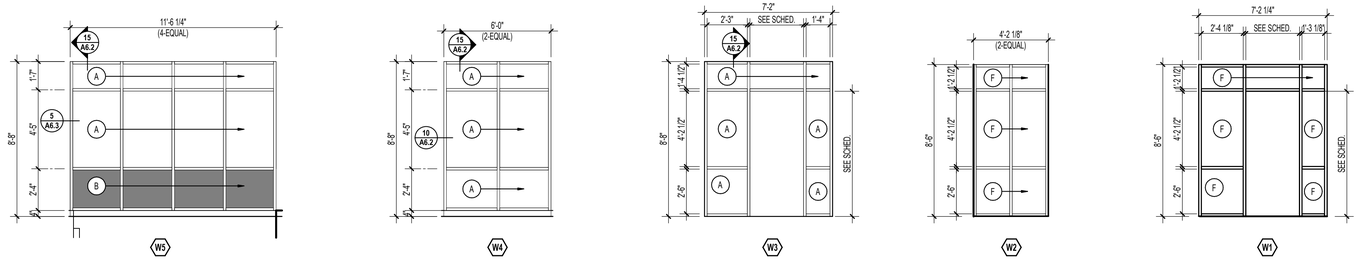


2 A6.1 HM ELEV.
1/4" = 1'-0"

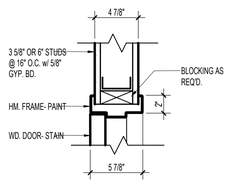




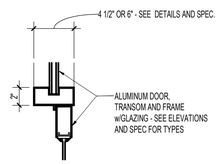
3 A6.1 ALUM WINDOW ELEVATIONS
1/4" = 1'-0"



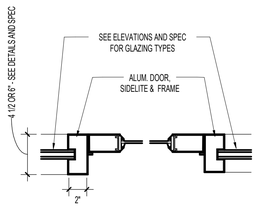
4 A6.1 ALUM. FRAME ELEVATIONS
1/4" = 1'-0"



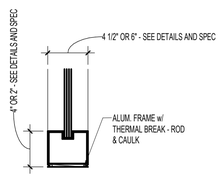
5 A6.1 HM FRAME DETAIL (JAMB SIM)
1 1/2" = 1'-0"



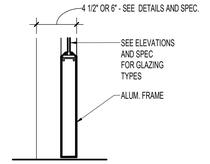
6 A6.1 ALUM. HEAD DETAIL
1 1/2" = 1'-0"



7 A6.1 ALUM. JAMB DETAIL
1 1/2" = 1'-0"



8 A6.1 ALUM. SILL DETAIL
1 1/2" = 1'-0"



9 A6.1 ALUM. DOOR DETAIL
1 1/2" = 1'-0"

FRAMES

FRAME PREFIXES

AL-	ALUMINUM
BD-	BARN DOOR
EXTG-	EXISTING
HMM-	HOLLOW METAL MASONRY
HMP-	HOLLOW METAL POCKET
HM-	HOLLOW METAL
WD-	WOOD
WDP-	WOOD POCKET

TRACK PREFIXES

HL	HIGH LIFT
IL	INCLINED LIFT
STD	STANDARD LIFT
VL	VERTICAL LIFT

FRAME SUBSCRIPT

a	VARIATION - SEE FRAME TYPE ELEVATIONS
b	VARIATION - SEE FRAME TYPE ELEVATIONS
c	VARIATION - SEE FRAME TYPE ELEVATIONS

HM-4a

FRAME SUFFIXES

0	FRAMED OPENING
1	DOOR WITH FRAME
2	DOUBLE DOOR WITH FRAME
3	SIDELIGHT(S) 1 SIDE
4	SIDELIGHT(S) 1 SIDE WITH HORIZONTAL(S)
5	SIDELIGHT(S) BOTH SIDES
6	SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
7	DOUBLE DOOR WITH SIDELIGHT(S) BOTH SIDES
8	DOUBLE DOOR SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
T1	DOOR WITH TRANSOM
T2	DOUBLE DOOR WITH TRANSOM
T3	DOOR WITH TRANSOM WITH SIDELIGHT(S) 1 SIDE
T4	TRANSOM WITH SIDELIGHT(S) 1 SIDE WITH HORIZONTAL(S)
T5	TRANSOM WITH SIDELIGHT(S) BOTH SIDES
T6	TRANSOM WITH SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
T7	DOUBLE DOOR WITH TRANSOM W. SIDELIGHT(S) BOTH SIDES
T8	DOUBLE DOOR WITH TRANSOM W. SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)

*ACTUAL FRAMES MAY VARY FROM DESCRIPTION ABOVE - REFER TO FRAME TYPE ELEVATIONS

DOOR PANEL

PANEL PREFIXES

AL-	ALUMINUM
CS-	COILING SLATS
EXTG-	EXISTING
FSY-	FURNITURE SYSTEM
GP-	GLASS PARTITION
HM-	HOLLOW METAL
OS-	OVERHEAD SECTIONAL
WD-	WOOD

FRAME SUBSCRIPT

e	EXTERIOR
i	INTERIOR

WD-FGe

PANEL SUFFIXES

AG	ALL GLASS
AD	AUTOMATIC SLIDING DOORS
BI	BIFOLD
F	FLUSH
FG	FULL GLASS
G2	GLASS 2 LITE
HG	HALF GLASS
L	LOUVER
N	NARROW LITE
S1	INSULATED STEEL
S2	NON-INSULATED STEEL
SD	SLIDING DOOR
V	VISION LITE

*ACTUAL PANELS MAY VARY FROM DESCRIPTION ABOVE - REFER TO DOOR TYPE ELEVATIONS

A GLAZING SCHEDULE

'T' INDICATES TEMPERED GLASS., (TYPE IG-S)
(/) INDICATES A COMBINATION OF GLAZING TYPES IN A FRAME AND/OR WINDOW

NO.	GLAZING TYPE DESCRIPTION	GLAZING SPEC
A	EXTERIOR GLAZING: 1" TEMPERED GLAZING	TYPE IG-1
B	EXTERIOR GLAZING: 1" TEMPERED SPANDREL GLAZING	TYPE IG-3
E	INTERIOR GLAZING: 1/4"	TYPE G-3
F	INTERIOR GLAZING: 3/8"	TYPE G-3

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SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

DOOR/ WINDOW FRAME ELEVATIONS AND DETAILS

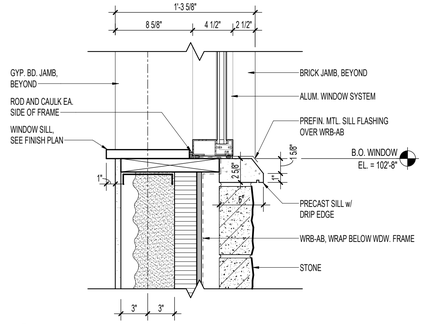
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A6.1

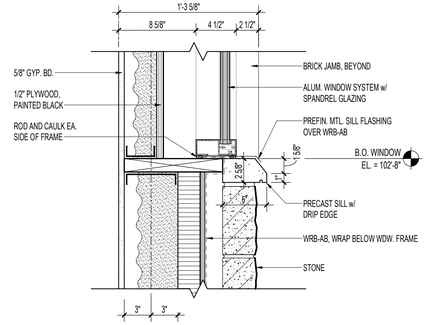
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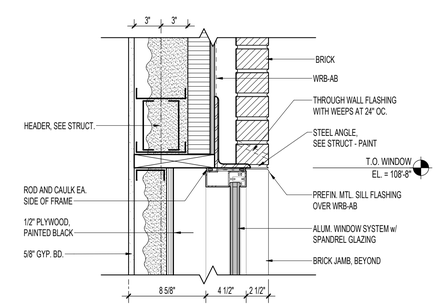
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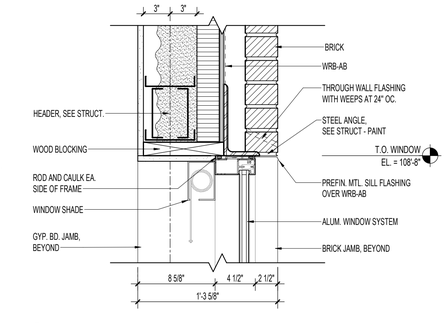
1 A6.2 SILL DETAIL @ STONE
1 1/2" = 1'-0"



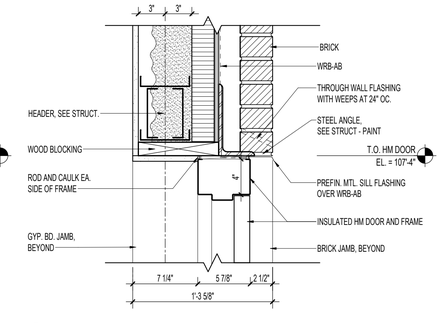
2 A6.2 SILL DETAIL @ SPANDREL
1 1/2" = 1'-0"



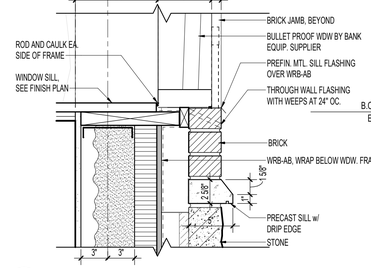
3 A6.2 HEAD DETAIL @ SPANDREL
1 1/2" = 1'-0"



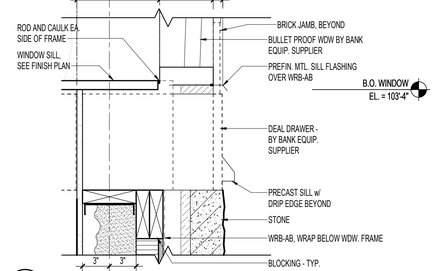
4 A6.2 HEAD DETAIL @ BRICK
1 1/2" = 1'-0"



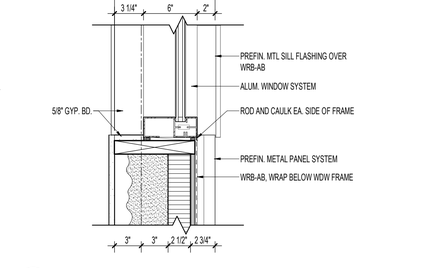
5 A6.2 HM DOOR DETAIL @ BRICK
1 1/2" = 1'-0"



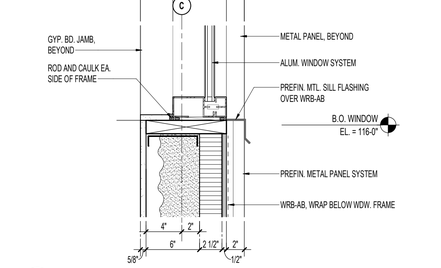
6 A6.2 JAMB DETAIL @ SPANDREL
1 1/2" = 1'-0"



7 A6.2 JAMB DETAIL @ BRICK
1 1/2" = 1'-0"



8 A6.2 HEAD DETAIL @ METAL PANEL
1 1/2" = 1'-0"



9 A6.2 SILL DETAIL @ METAL PANEL
1 1/2" = 1'-0"

10 A6.2 JAMB DETAIL @ METAL PANEL
1 1/2" = 1'-0"

11 A6.2 DRIVE-UP ALUM. SILL DETAIL
1 1/2" = 1'-0"

12 A6.2 DRIVE-UP ALUM. SILL DETAIL @ DEAL DRAWER
1 1/2" = 1'-0"

13 A6.2 JAMB DETAIL @ CLERESTORY METAL PANEL
1 1/2" = 1'-0"

14 A6.2 SILL DETAIL @ CLERESTORY METAL PANEL
1 1/2" = 1'-0"

15 A6.2 HEAD DETAIL @ STOREFRONT
1 1/2" = 1'-0"

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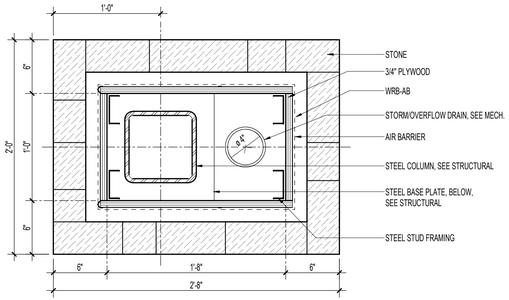
DOOR AND WINDOW FRAME DETAILS

Drawn By: SRC Checked By: SCR

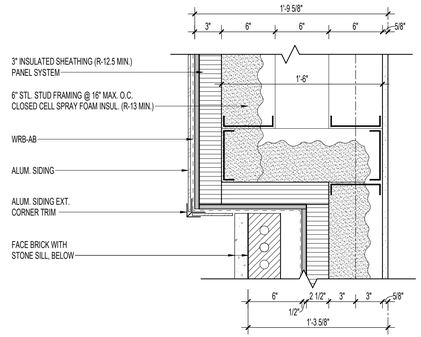
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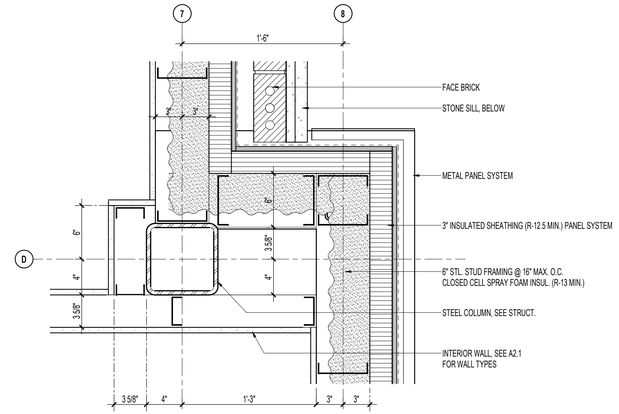
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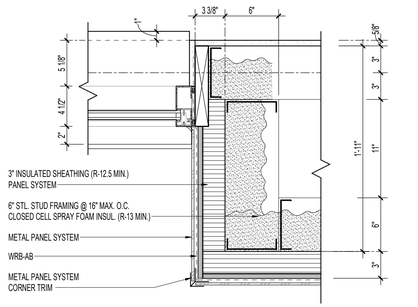
1 A6.3 **PLAN DETAIL @ DRIVE-UP COLUMN**
1 1/2" = 1'-0"



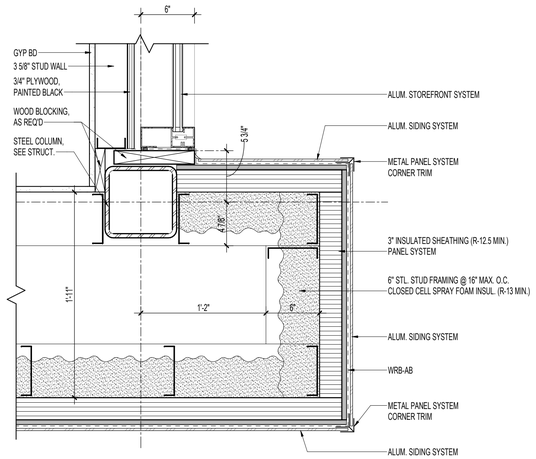
2 A6.3 **PLAN DETAIL @ ALUM. SIDING BUMP-OUT**
1 1/2" = 1'-0"



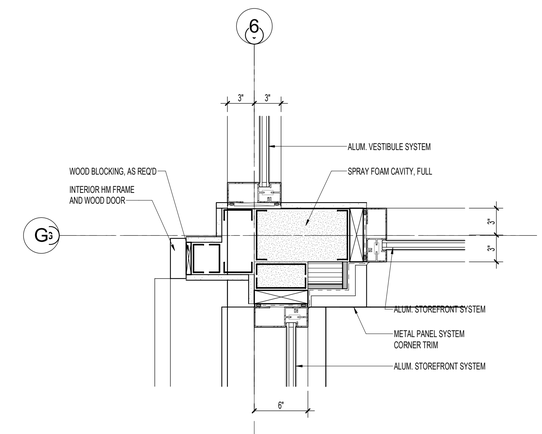
3 A6.3 **PLAN DETAIL @ BRICK / METAL PANEL**
1 1/2" = 1'-0"



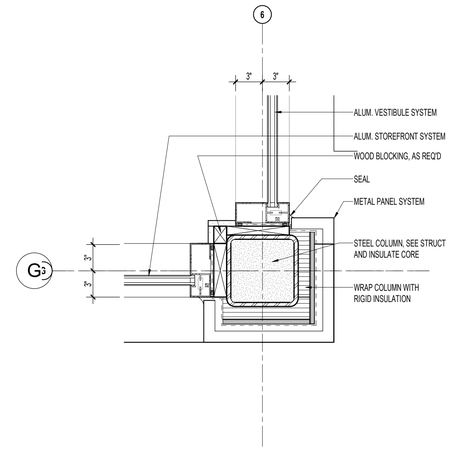
4 A6.3 **JAMB DETAIL @ SIGNAGE WALL**
1 1/2" = 1'-0"



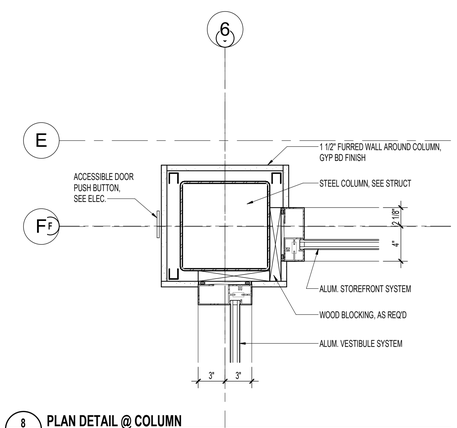
5 A6.3 **PLAN DETAIL @ SIGNAGE WALL**
1 1/2" = 1'-0"



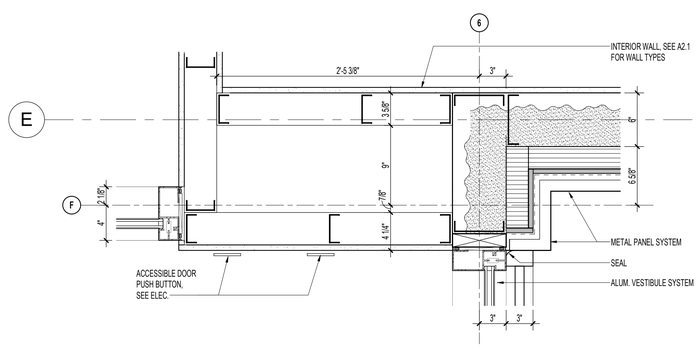
6 A6.3 **PLAN DETAIL @ VESTIBULE CORNER**
1 1/2" = 1'-0"



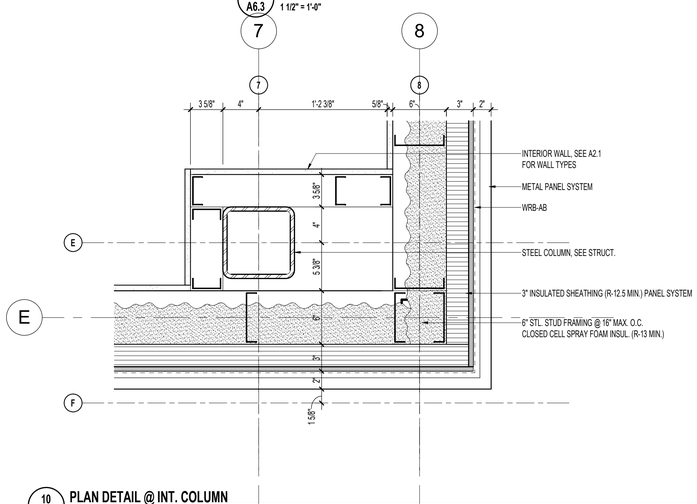
7 A6.3 **PLAN DETAIL @ VESTIBULE EXT. CORNER**
1 1/2" = 1'-0"



8 A6.3 **PLAN DETAIL @ COLUMN**
1 1/2" = 1'-0"



9 A6.3 **PLAN DETAIL @ VESTIBULE CHASE**
1 1/2" = 1'-0"



10 A6.3 **PLAN DETAIL @ INT. COLUMN**
1 1/2" = 1'-0"

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SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

DOOR, WINDOW, AND PLAN DETAILS

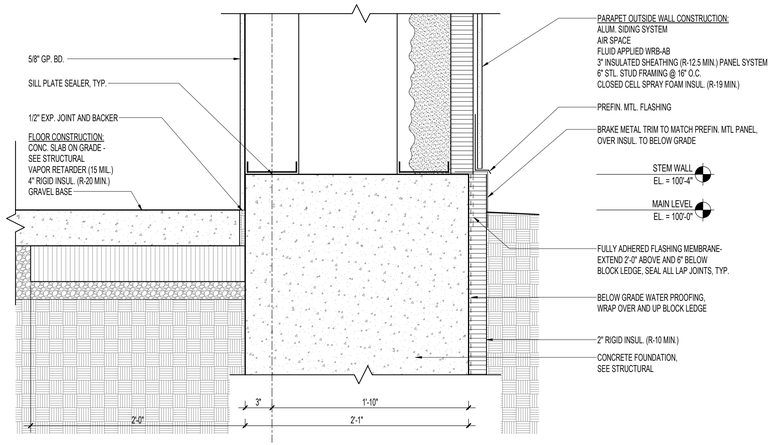
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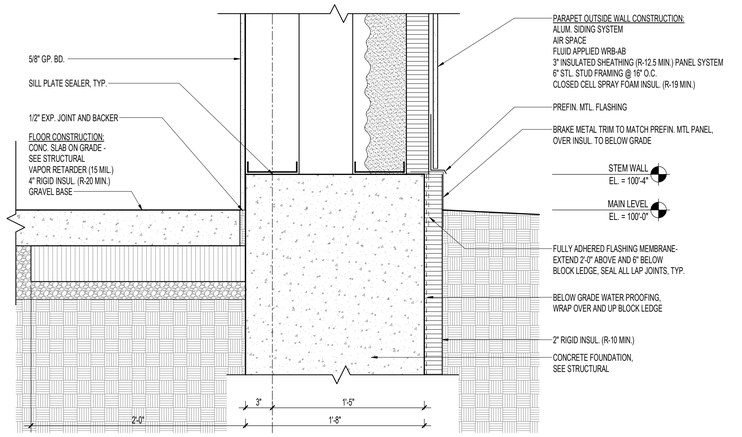
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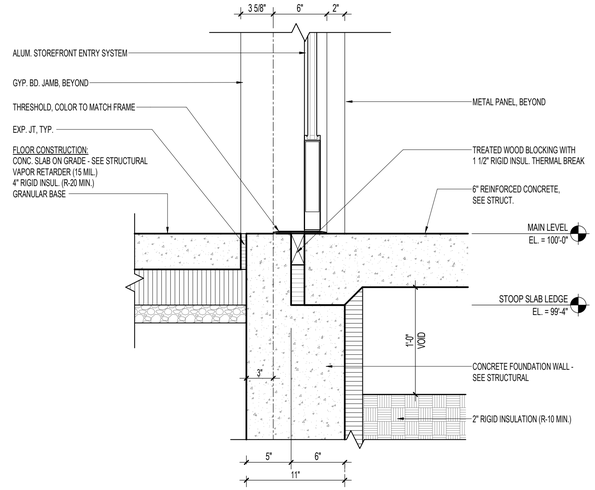
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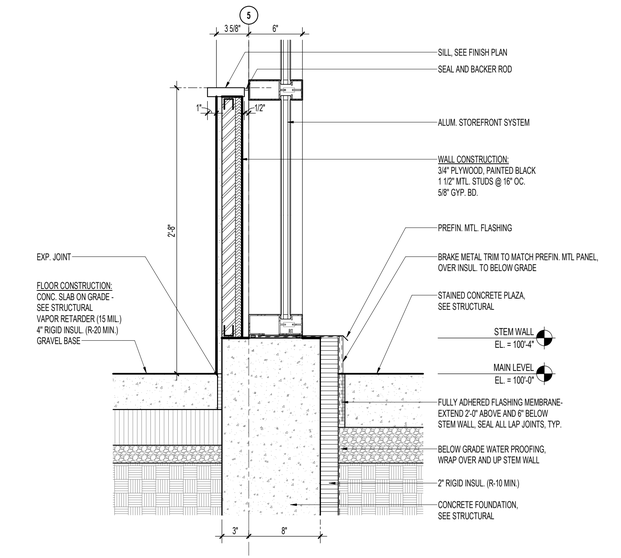
1 A6.4 **BASE DETAIL @ ACCENT WALL, SOUTH**
1 1/2" = 1'-0"



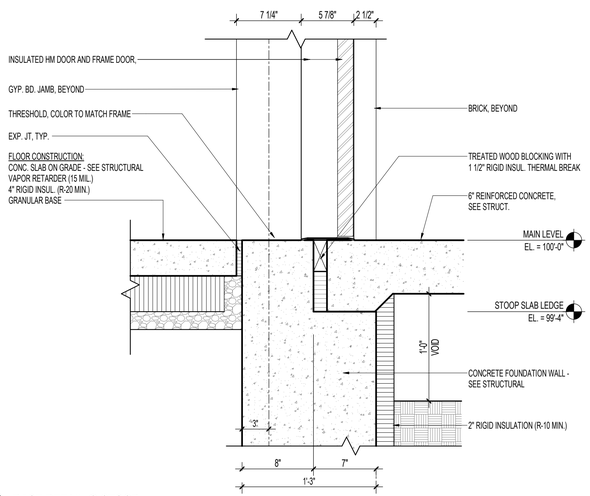
2 A6.4 **BASE DETAIL @ ACCENT WALL, WEST**
1 1/2" = 1'-0"



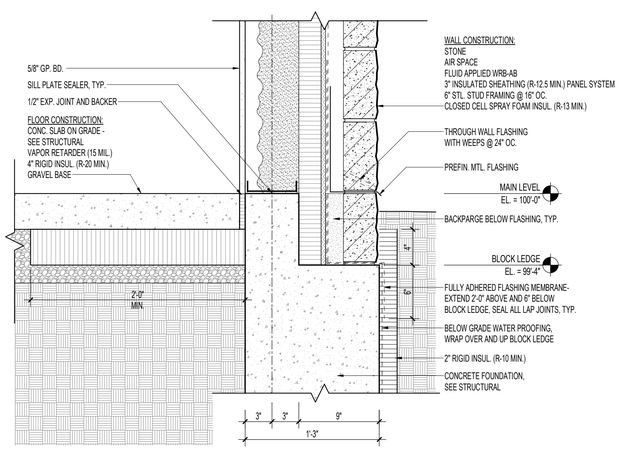
7 A6.4 **BASE DETAIL @ ENTRY**
1 1/2" = 1'-0"



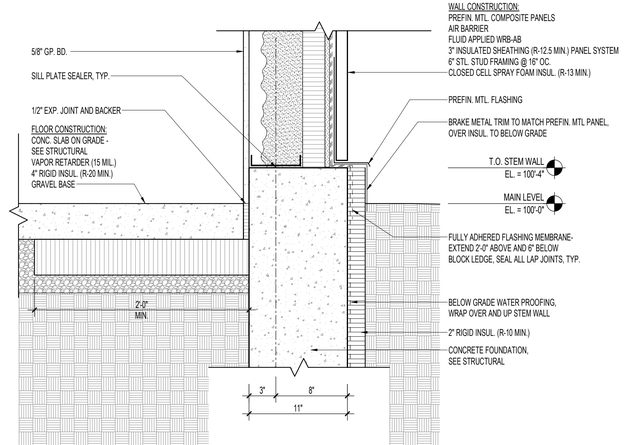
6 A6.4 **BASE DETAIL @ STOREFRONT SYSTEM**
1 1/2" = 1'-0"



3 A6.4 **BASE DETAIL @ STOOP**
1 1/2" = 1'-0"



4 A6.4 **BASE DETAIL @ STONE**
1 1/2" = 1'-0"



5 A6.4 **BASE DETAIL @ PREFIN. METAL PANEL**
1 1/2" = 1'-0"

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DOOR, WINDOW, AND WALL BASE DETAILS

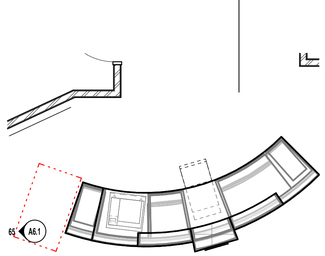
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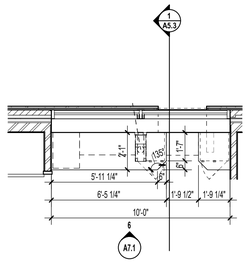
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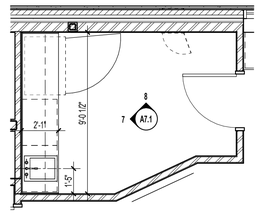
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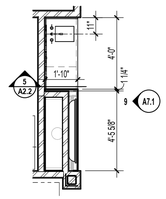
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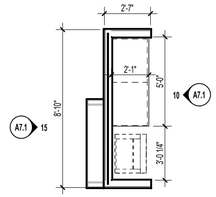
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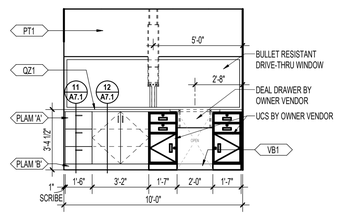




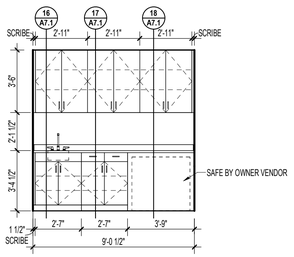




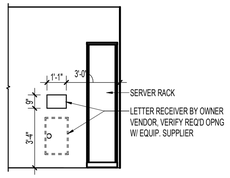
1 A7.1 ENLARGED TELLER LINE
1/4" = 1'-0"



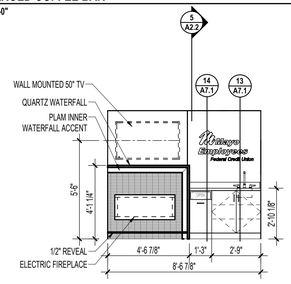
2 A7.1 ENLARGED DRIVE-UP TELLER
1/4" = 1'-0"



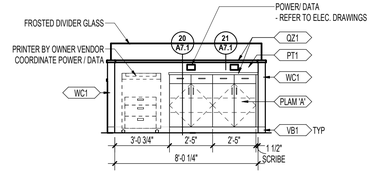
3 A7.1 ENLARGED CASH WORK ROOM
1/4" = 1'-0"



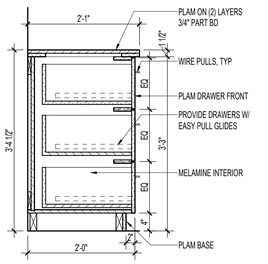
4 A7.1 ENLARGED COFFEE BAR
1/4" = 1'-0"



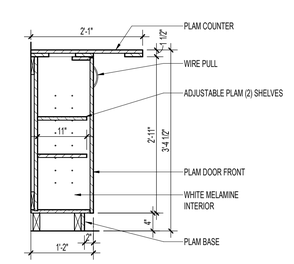
5 A7.1 ENLARGED WORK COPY
1/4" = 1'-0"



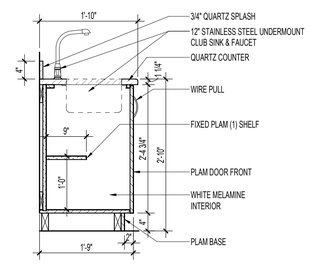
6 A7.1 DRIVE-UP TELLER
1/4" = 1'-0"



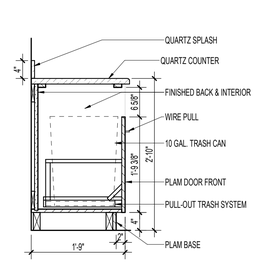
7 A7.1 CASH WORK - MILLWORK
1/4" = 1'-0"



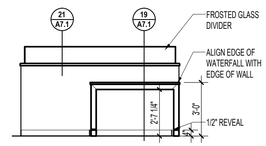
8 A7.1 CASH WORK - PACKAGE PASSER
1/4" = 1'-0"



9 A7.1 COFFEE BAR
1/4" = 1'-0"



10 A7.1 WORK COPY
1/4" = 1'-0"

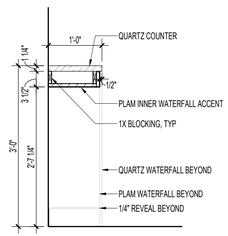


11 A7.1 3-EQUAL DRAWERS BASE CABINET - 40.5" X 25"
3/4" = 1'-0"

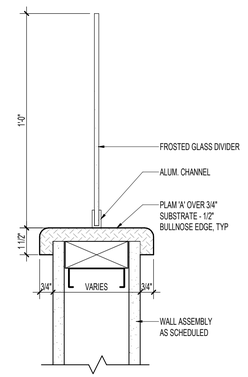
12 A7.1 BASE CABINET @ DRIVE-UP TELLER - 40.5" X 15"
3/4" = 1'-0"

13 A7.1 BASE CABINET @ COFFEE BAR - 34" X 22"
3/4" = 1'-0"

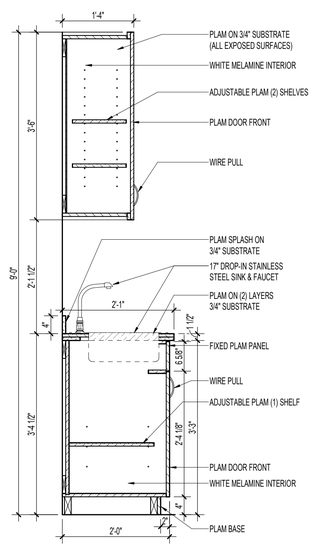
14 A7.1 TRASH PULL OUT BASE CABINET @ COFFEE BAR - 34" X 22"
3/4" = 1'-0"



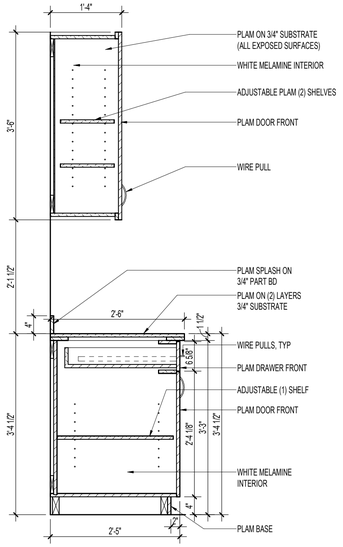
15 A7.1 CHECK COUNTER
1/4" = 1'-0"



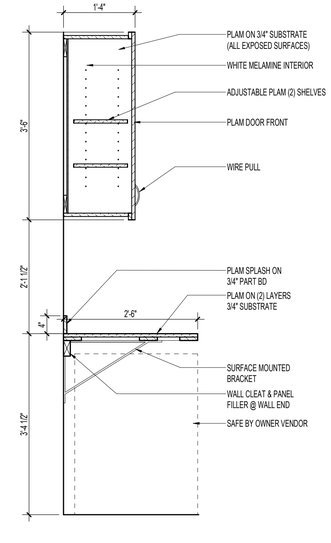
16 A7.1 SINK BASE CABINET W/ UPPER 40.5" X 25"
3/4" = 1'-0"



17 A7.1 1-DRAWER BASE CABINET W/ UPPER & SPLASH - 40.5" X 25"
3/4" = 1'-0"

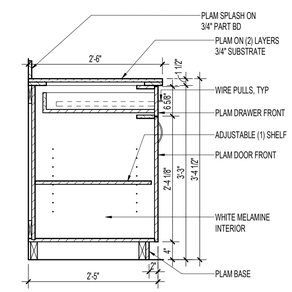


18 A7.1 COUNTER W/ UPPER & SPLASH - 40.5" X 25"
3/4" = 1'-0"



19 A7.1 CHECK COUNTER - 36" X 12"
3/4" = 1'-0"

20 A7.1 1-DRAWER BASE CABINET W/ SPLASH - 40.5" X 30"
3/4" = 1'-0"



21 A7.1 WALL CAP - PLAM
3" = 1'-0"

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	
DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS MINN ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

MILLWORK ELEVATIONS AND DETAILS

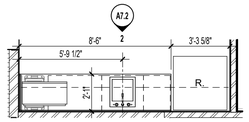
Drawn By: Author Checked By: Checker

A7.1

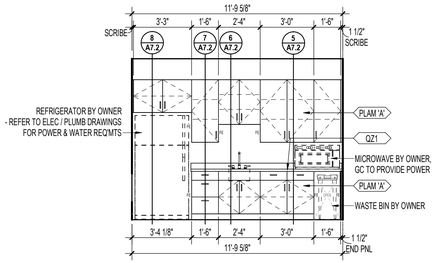
251167

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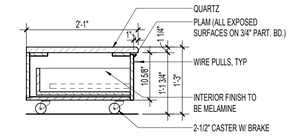
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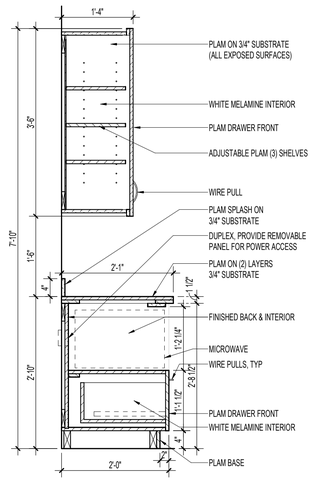
1 A7.2 **ENLARGED LOUNGE**
1/4" = 1'-0"



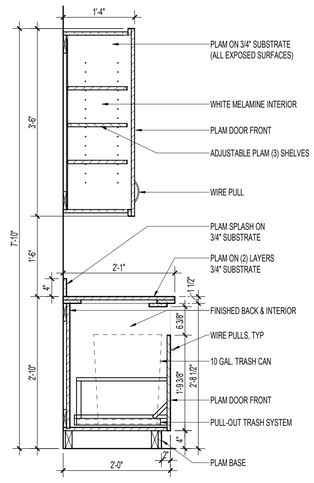
2 A7.2 **LOUNGE**
1/4" = 1'-0"



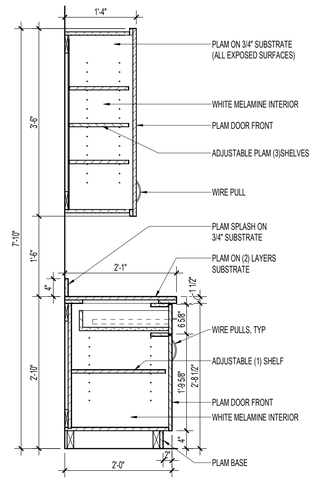
9 A7.2 **PRINTER CART - 1 DRAWER**
3/4" = 1'-0"



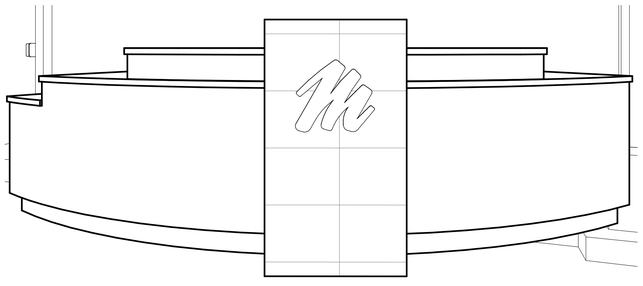
3 A7.2 **MICROWAVE BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



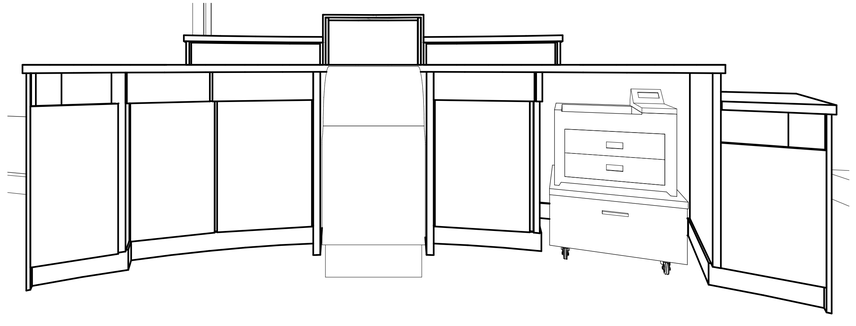
4 A7.2 **TRASH PULL OUT BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



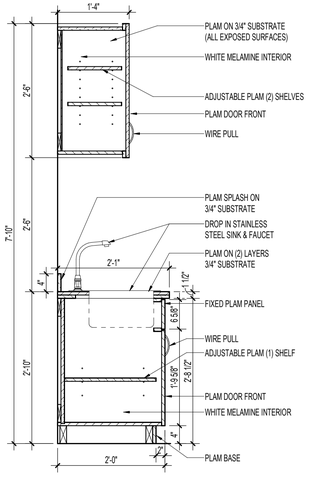
5 A7.2 **1-DRAWER BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



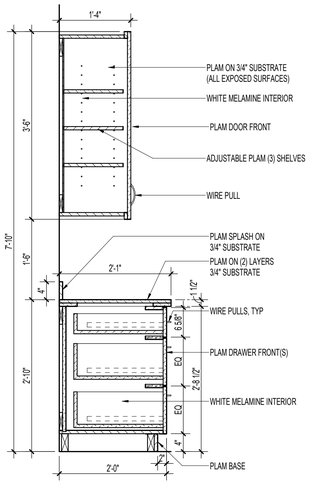
14 A7.2 **TELLER**



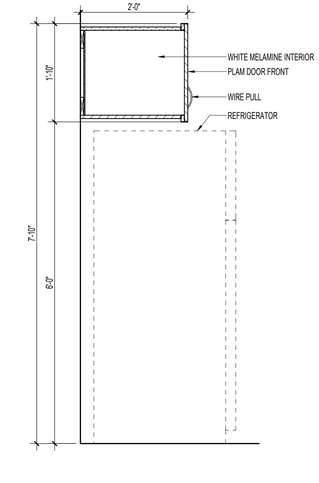
15 A7.2 **TELLER**



6 A7.2 **SINK BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



7 A7.2 **3-DRAWER BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



8 A7.2 **REFRIGERATOR UPPER CABINET**
3/4" = 1'-0"

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DATE	NO	

WISCONSIN SEAN RABOIN 12055 HOPKINS MN REGISTERED ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

MILLWORK ELEVATIONS AND DETAILS

Drawn By: Author Checked By: Checker

A7.2

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AZ09

FINISH SPECIFICATIONS:

SYMBOL	PRODUCT DESCRIPTION	MANUFACTURER	STYLE	COLOR	FINISH	SIZE	SPECIFICATIONS	REMARKS
TILE								
TL1	PORCELAIN FLOOR TILE	CERAMIC TILEWORKS	QUARTZITE	GREY		12" X 24"	PATTERN: 1/3 OFFSET GROUT: TBD	LOCATION: LOBBY, TOILET ROOMS CONTACT: KRISTA GARDNER @ CERAMIC TILEWORKS
TL2	CERAMIC WALL TILE	CERAMIC TILEWORKS	BUILDER BASIC	WHITE ICE	MATTE	4" X 16"	PATTERN: 1/2 OFFSET GROUT: TBD	LOCATION: TOILET ROOMS CONTACT: KRISTA GARDNER @ CERAMIC TILEWORKS
TL3	PORCELAIN WALL TILE	TILE BAR	KAI	ROYAL BLUE	CRACKLED GLOSSY	4" TRI-STACKED MOSAIC	PATTERN: VERTICAL; ENSURE SHEET JOINT WIDTH MATCHES TILE GROUT WIDTH FOR SEAMLESS LOOK GROUT: TBD	LOCATION: COFFEE BAR, TOILET ROOMS CONTACT: DENA TISOR @ TILE BAR
CARPET								
CPT1	CARPET TILE	MILLIKEN	HEAVY META | ALLOY	ALY152-118 | ZINC		25CM X 100CM	PATTERN: BRICK ASHLAR	LOCATION: LOBBY, TELLER, CASH-WORK, WORK-COPY, CONFERENCE, OFFICE, WELLNESS, STORAGE CONTACT: CARI KAPSNER @ MILLIKEN
CPT2	CARPET TILE	MILLIKEN	RELEVATION | WANDER	PWY52 | SAIL		50CM X 100CM	PATTERN: BRICK ASHLAR	LOCATION: WAITING AREA CONTACT: CARI KAPSNER @ MILLIKEN
CPT3	CARPET TILE - WALK OFF	MILLIKEN	OBEX | CUT / STIPPLE	STC119 | DARK GREY		50CM X 50CM	PATTERN: QUARTER TURN	LOCATION: VESTIBULE, EMPLOYEE ENTRANCE, CLOSET CONTACT: CARI KAPSNER @ MILLIKEN
SEALED CONCRETE								
SC1		TBD	TBD	TBD				
BASE								
VB1	VINYL BASE	FLEXCO	COVED	78 | UMBER		4" HIGH		LOCATION: TYPICAL WALL BASE CONTACT: TBD
PAINT								
PT1	PAINT	SHERWIN WILLIAMS	6070	HERON PLUME	EGGSHELL			LOCATION: TYPICAL
PT2	PAINT	SHERWIN WILLIAMS	9150	ENDLESS SEA	EGGSHELL			LOCATION: ACCENT
PT3	PAINT	SHERWIN WILLIAMS	7069	IRON ORE	SATIN			LOCATION: HM DOORS, HM FRAMES, RAILINGS
PT4	PAINT	SHERWIN WILLIAMS	7007	CEILING BRIGHT WHITE	SATIN			LOCATION: TOILET ROOMS, UTILITY ROOM
PT5	PAINT	SHERWIN WILLIAMS	7007	CEILING BRIGHT WHITE	FLAT			LOCATION: GYP BD CEILINGS, SOFFITS, BULKHEADS, EXPOSED STRUCTURE
WALL COVERING								
WC1	WALL COVERING	MDC	BEAD BARE | BBBB06	NAVY NIBBLET				LOCATION: WAITING CONTACT: JESSIE SYDNES @ MDC
PLASTIC LAMINATE								
PLAM 'A'	PLASTIC LAMINATE	WILSONART	7971-12	UPTOWN WALNUT	SOFTGRAIN		INSTALLATION: VERTICAL GRAIN	LOCATION: TYPICAL MILLWORK CONTACT: LYNETTE STENDE @ WILSONART
PLAM 'B'	PLASTIC LAMINATE	WILSONART	4945-38	ORGANIC COTTON	FINE VELVET			LOCATION: COUNTERTOPS WHERE NOTED ON ELEVATIONS/DETAILS CONTACT: LYNETTE STENDE @ WILSONART
PLAM 'C'	PLASTIC LAMINATE	ARBORITE	S577	GRAPHITE	CA			LOCATION: TYPICAL MILLWORK BASE CONTACT: RANDY BECKSTROM @ JAECKLE DISTRIBUTORS
QUARTZ SURFACE								
QZ1	QUARTZ SURFACE	CAMBRIA	LUXURY SERIES	HARLOW	MATTE		EDGE PROFILE: RIDGELINE (TR3)	LOCATION: TELLER LINE, COFFEE BAR, CHECK DESK, FIREPLACE CONTACT: KELSEY BARRETT @ CAMBRIA
WOOD								
WD1	WOOD SPECIES		MAPLE??	TO MATCH PLAM 'A'				LOCATION: WOOD DOORS, WOOD VENEER
STAIN								
WS1	WOOD STAIN			TO MATCH PLAM 'A'				LOCATION: WOOD DOORS, WOOD VENEER
TRIM								
TR1	WALL TILE TRIM	SCHLUTER	DILEX-AHK	NA	TBD	NA		LOCATION: TOILET ROOMS - FLOOR TO WALL & INSIDE CORNER TRANSITIONS NOTE: USE COORDINATING CONNECTORS AND CORNER ACCESSORIES AT ALL CORNERS AND SEAMS
TR2	WALL TILE TRIM	SCHLUTER	JOLLY	TBD	TBD	NA		LOCATION: TOILET ROOMS - TILE TERMINATION NOTE: USE COORDINATING CONNECTORS AND CORNER ACCESSORIES AT ALL CORNERS AND SEAMS
TR3	FLOOR TRIM	SCHLUTER	SCHIENE	TBD	TBD			LOCATION: LOBBY - TILE TO CPT TRANSITION
WINDOW COVERINGS								
WIN1	WINDOW COVERINGS	DRAPER	MANUAL | CLUTCH OPERATED FLEXSHADE NEXD				SHADE: E SCREEN 3% SHADE COLOR: CHARCOAL/CHARCOAL FASCIA/HARDWARE FINISH: TO MATCH STOREFRONT FRAME HEM BAR: STANDARD - SEALED END	LOCATIONS: AS NOTED ON FINISH PLAN CONTACT: DAN LESLIE @ DRAPER INC
CEILING								
ACT1	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD
ACT2	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD
GWB	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD

FINISH GENERAL NOTES:

1. ALL CARPET IS TO BE LAID WITH THE GRAIN RUNNING IN THE SAME DIRECTION, UNLESS NOTED OTHERWISE.
2. ALL CARPET OF EACH TYPE MUST BE FROM THE SAME DYE LOT.
3. CARE SHALL BE TAKEN TO KEEP ADHESIVE OFF THE FACE OF CARPET, ADJACENT WALLS AND SURFACES.
4. ANY SUCH SMEARS SHALL BE REMOVED IMMEDIATELY.
5. ANY DAMAGE TO ADJACENT WALLS, SURFACES AND EQUIPMENT RESULTING FROM THE INSTALLATION OF FINISHES ARE TO BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR CAUSING THE DAMAGE.
6. ALL CARPET SEAMS ARE TO BE BOUND WITH SEAM ADHESIVE.
7. NO SUBSTITUTIONS FOR THE SPECIFIED FINISHES WILL BE ACCEPTED WITHOUT APPROVAL OF THE ARCHITECT.
8. LEAD TIMES MAY BE AN ISSUE! CONFIRM LEAD TIMES WITH ALL MANUFACTURERS NO LESS THAN 8 WEEKS PRIOR TO INSTALLATION OF MATERIALS. ALL MATERIALS MUST BE ORDERED IN TIME TO ALLOW FOR ON-TIME PROJECT COMPLETION.
9. FLOORING CONTRACTOR TO FURNISH AND INSTALL FLOOR FILLER WHERE NEEDED TO TRANSITION BETWEEN DIFFERENT FLOOR MATERIALS WHERE NOTED AND/OR OTHERWISE REQUIRED.
10. PROVIDE ADA APPROVED TRANSITIONS BETWEEN ALL FLOOR FINISHES.

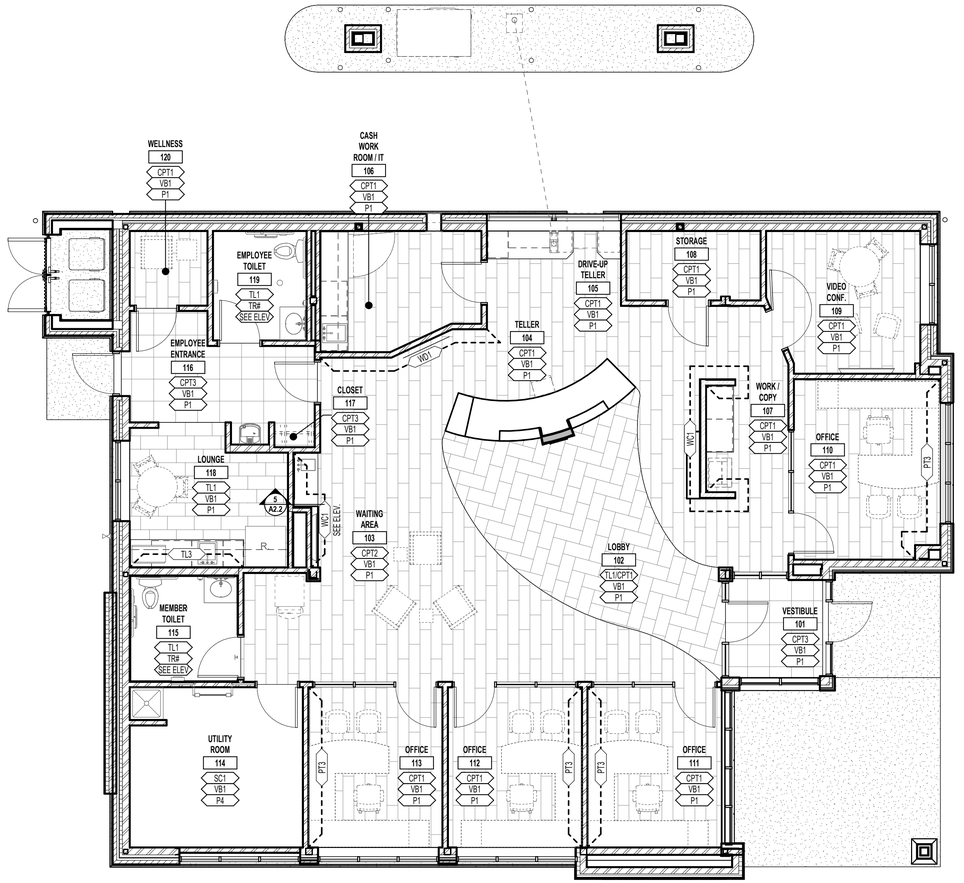
ROOM FINISH SYMBOLS

ROOM FINISH TAG — ROOM NAME / 101 / FLOOR FIN. / BASE FIN. / WALL FIN.

FLOORING FINISH TAG — CPT1

WALL FINISH TAG — PT1

ARROWS DENOTE EXTENTS OF FINISH. TEXT INDICATES MATERIAL TYPE. SEE FINISH SPECIFICATIONS FOR MATERIAL INFORMATION.



1 / F1 **MAIN LEVEL FINISH PLAN**
3/16" = 1'-0"

PLAN NORTH

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1010 Mainstreet, Suite 100
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SEAN C. RABOIN
12055 — 03/27/2026
Reg No. — Date

FINISH PLANS AND SCHEDULES

Drawn By: Author — Checked By: Checker

F1

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NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

OWNER:
MAYO EMPLOYEES FEDERAL CREDIT UNION
130 23RD AVE SW
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ARCHITECT:
HTG ARCHITECTS
1010 MAIN STREET
SUITE 100
HOPKINS, MN 55343
TEL: (952) 204-3246
CONTACT: SAM CHALLE

CIVIL ENGINEER:
ANDERSON ENGINEERING
13605 FIRST AVENUE NORTH
SUITE 100
PLYMOUTH, MN 55441
TEL: (763) 412-4035
CONTACT: BRIAN FIELD

STRUCTURAL ENGINEER:
INNOVATIVE STRUCTURAL SOLUTIONS
5279 KYLER AVENUE NE
ALBERTVILLE, MN 55301
TEL: (763) 425-9960
CONTACT: MICHAEL VAN DE RIET

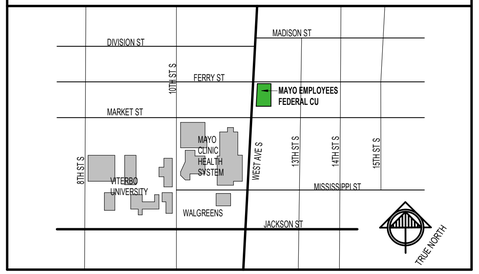
MECH./ ELEC. ENGINEER:
EMANUELSON PODAS, INC.
7705 BUSH LAKE ROAD
EDINA, MINNESOTA 55439
TEL: (952) 930-0050
CONTACT: JOSEPH HAYNES (MECHANICAL)
CONTACT: KYLE McCONNELL (ELECTRICAL)

GENERAL CONTRACTOR:
HOEFT BUILDERS
5410 SEVENS PKWY
SUITE 100
EAU CLAIRE, WI 54701
TEL: (715) 833-1761
CONTACT: AARON STERN

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C3	EROSION & SEDIMENT CONTROL PLAN
C4	UTILITY & PAVING PLAN
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A1.5	ROOF DETAILS
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A6.1	DOOR/ WINDOW FRAME ELEVATIONS AND DETAILS
A6.2	DOOR AND WINDOW FRAME DETAILS
A6.3	DOOR, WINDOW, AND PLAN DETAILS
A6.4	DOOR, WINDOW, AND WALL BASE DETAILS
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F1	FINISH PLANS AND SCHEDULES
M0.0	MECHANICAL TITLE SHEET
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E0.0	ELECTRICAL TITLE SHEET
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E3.1	ELECTRICAL DETAILS
E3.2	ENERGY COMPLIANCE FORMS
E3.3	ENERGY COMPLIANCE FORMS
E4.1	ELECTRICAL SCHEDULES
E4.2	ELECTRICAL SCHEDULES
T1.1	MAIN LEVEL PLAN - TECHNOLOGY

VICINITY MAP



MATERIAL SYMBOLS

- STONE
- FACE BRICK
- CONCRETE BLOCK (CMU)
- CONCRETE/PRECAST
- GYPSUM BOARD OR PLASTER
- EXT. INSUL. & FINISH SYSTEM
- STRUCTURAL STEEL OR METAL STUDS
- ACOUSTIC TILE
- GRANITE
- WOOD BLOCKING
- INTERMEDIATE WOOD BLOCKING
- FINISH WOOD
- EARTH
- SAND OR GRAVEL
- PARTICLE BOARD
- BATT. INSULATION
- RIGID INSULATION
- PLYWOOD

ALTERNATES

Alternate #1:

ABBREVIATIONS

ACT.	ACOUSTICAL TILE	MATL.	MATERIAL
ADJ.	ADJUSTABLE	MAX.	MAXIMUM
AFF.	ABOVE FINISHED FLOOR	MECH.	MECHANICAL
ALT.	ALTERNATE	MFR.	MANUFACTURER
ALUM.	ALUMINUM	MIN.	MINIMUM
APPROX.	APPROXIMATE	MISC.	MISCELLANEOUS
B.O.	BOTTOM OF	MLAM.	METAL LAMINATE
BITUM.	BITUMINOUS	MTL.	METAL
BLDG.	BUILDING	MULL	MULLION
BLKG.	BLOCKING	NIC.	NOT IN CONTRACT
BM.	BEAM	NO.	NUMBER
BOT.	BOTTOM	NOM.	NOMINAL
BRG.	BEARING	NTS.	NOT TO SCALE
C.J.	CONTROL JOINT	O.C.	ON CENTER
C.T.	CERAMIC TILE	O.D.	OUTSIDE DIAMETER
CLG.	CEILING	OPNG.	OPENING
CLR.	CLEAR	PART. BD.	PARTICLE BOARD
CMU.	CONCRETE MASONRY UNIT	PL.	PLATE
COL.	COLUMN	PLAM.	PLASTIC LAMINATE
CONC.	CONCRETE	PLYWD.	PLYWOOD
CONST.	CONSTRUCTION	PREFIN.	PREFINISHED
CONT.	CONTINUOUS	PVC.	POLYVINYL CHLORIDE
CPT.	CARPET	QT.	QUARRY TILE
DIA.	DIAMETER	R.D.	ROOF DRAIN
DIAG.	DIAGONAL	R.O.	ROUGH OPENING
DR.	DOOR	RAD.	RADIUS
EIFS.	EXTERIOR INSULATION FINISH SYSTEM	RECP.	RECEPTACLE
EL.	ELEVATION	REF.	REFERENCE
ELEC.	ELECTRIC (AL)	REINF.	REINFORCE (D) (ING)
ELEV.	ELEVATOR	RESIL.	RESILIENT
EPDM	ETHYLENE/PROPYLENE/DIENE/ MONOMER ROOFING MEMBRANE	REV.	REVISION
		RM.	ROOM
EQ.	EQUAL	S.D.	STORM DRAIN
EQUIP.	EQUIPMENT	SIM.	SIMILAR
EWC.	ELECTRICAL WATER COOLER	SPEC.	SPECIFICATION (S)
EXP.JT.	EXPANSION JOINT	SQ.	SQUARE
EXT.	EXTERIOR	SSTL.	STAINLESS STEEL
EXTG.	EXISTING	STD.	STANDARD
F.D.	FLOOR DRAIN	STL.	STEEL
FEC.	FIRE EXTINGUISHER CABINET	STRUCT.	STRUCTURAL
FFE.	FINISHED FLOOR ELEVATION	SUSP.	SUSPENDED
FIN.	FINISH (ED)	T&G	TONGUE AND GROOVE
FLRG.	FLOORING	T.O.	TOP OF
FND.	FOUNDATION	TEMP.	TEMPERED
FT.	FOOT	THK.	THICK (NESS)
FTG.	FOOTING	TRTD.	TREATED
FURG.	FURRING	TYP.	TYPICAL
GA.	GAUGE	U.N.O.	UNLESS NOTED OTHERWISE
GALV.	GALVANIZED	VB.	VAPOR BARRIER
GL.	GLASS	VCT.	VINYL COMPOSITE TILE
GYP.BD.	GYPSUM BOARD	VFY.	VERIFY
HM.	HOLLOW METAL	w/	WITH
HORZ.	HORIZONTAL	w/o	WITHOUT
HT.	HEIGHT	WD.	WOOD
HVAC	HEATING/VENTILATION/AIR CONDITIONING	WDW.	WINDOW
ID.	INSIDE DIAMETER	WT.	WEIGHT
IN.	INCH	WWF.	WELDED WIRE FABRIC
INCL.	INCLUD (D) (ING)		
INSUL.	INSULATION		
INT.	INTERIOR		
ISO.	ISOCYANURATE		
JT.	JOINT		
LAM.	LAMINATE		
M.O.	MASONRY OPENING		

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SEAN C. RABOIN
12055 Reg No.
03/27/2026 Date

TITLE SHEET, DRAWING INDEX AND PROJECT DATA

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BUILDING CODE INFORMATION

CHAPTER 1: CODES AND STANDARDS
2021 WISCONSIN ADMINISTRATIVE CODE
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL FUEL GAS CODE (IFGC)
2021 ICC / ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS & FACILITIES

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
SINGLE TENANT NON-SPRINKLED BUILDING - CLASSIFIED USE OF THE BUILDING GROUP 'B' - OFFICE
303.1.2 SMALL ASSEMBLY SPACES (B OCCUPANCIES) : VIDEO CONF. 109, LOUNGE 118

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS
TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLAN

OCCUPANCY B, SPRINKLED, TYPE V-B CONSTRUCTION = 40'-0", 2 STORIES ALLOWED
ACTUAL BUILDING HEIGHT: 23'-0", 1 STORY

(506.2) ALLOWABLE AREA FACTOR = 36,000 SF
ACTUAL BUILDING AREA: 2,770 SF

CHAPTER 6: TYPES OF CONSTRUCTION
TYPE OF CONSTRUCTION: V-B (NON-SPRINKLED)

TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):

PRIMARY STRUCTURAL FRAME	0
BEARING WALLS, EXTERIOR	0
BEARING WALLS, INTERIOR	0
NONBEARING WALLS, EXTERIOR	0
NONBEARING WALLS, INTERIOR	0
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	0

CHAPTER 8: INTERIOR FINISHES (TABLE 803.13)

EXIT STAIRS / RAMPS AND PASSAGEWAYS	B
EXIT CORRIDORS AND ENCLOSED EXIT ACCESS SPACES	C
ROOMS AND OTHER ENCLOSED SPACES	C

CHAPTER 10: MEANS OF EGRESS
TABLE 1004.5 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

GROUP B - OFFICE
2,770 SF / 150 GROSS PER OCCUPANT = **19 OCCUPANTS**

(MAX OCCUPANT LOAD OF SPACE = 49 OCCS.)

NUMBER OF EXITS AND EGRESS SIZING:
NUMBER OF EXITS: SECTION 1006.2.1 / TABLE 1006.2.1
SPACES WITH ONE EXIT B OCCUPANCY 1-49 OCCS.

EXITS REQUIRED: 1
EXITS PROVIDED: 2

EGRESS SIZING- PER 1005.3.2
TOTAL EGRESS WIDTH REQUIRED: 19 OCCUPANTS X .2 = 3.8"
TOTAL EGRESS WIDTH PROVIDED: 66"

1006.2.1 MAX COMMON PATH OF EGRESS TRAVEL DISTANCE = 100'-0" WITH LESS THAN 30 OCCS.

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE FOR B OCCUPANCY WITH NO SPRINKLER SYSTEM = 200'-0"
1017.3 MEASUREMENT: "EXIT ACCESS TRAVEL DISTANCE SHALL BE MEASURED FROM THE MOST REMOTE POINT OF EACH ROOM, AREA, OR SPACE ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT."

CHAPTER 29: PLUMBING SYSTEMS
TABLE 2902.1: MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES AS CALCULATED BY OCCUPANCY IN ACCORDANCE WITH CHAPTER 3, BUILDING OCCUPANCY, B - BUSINESS (OFFICE)

DRINKING FOUNTAINS
1-100 OCCUPANTS = 1 DRINKING FOUNTAIN REQUIRED 1 DRINKING FOUNTAINS PROVIDED, 1 BOTTLE FILL PROVIDED

SERVICE SINK
1 REQUIRED, 1 PROVIDED IN MECHANICAL ROOM

WATER CLOSETS (19 OCCUPANTS)
'B' OCCUPANCY: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50
19/25 = 0.76 WATER CLOSETS REQUIRED 2 WATER CLOSETS PROVIDED (UNISEX)

LAVATORIES (19 OCCUPANTS)
'B' OCCUPANCY: 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80
19/40 = 0.475 LAVATORIES REQUIRED 2 LAVATORIES PROVIDED (UNISEX)

ENERGY CODE

2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH ANSI / ASHRAE / IESNA 90.1
PROJECT LOCATION: LA CROSSE, WI, - ZONE 6A

PRESCRIPTIVE BUILDING ENVELOPE COMPLIANCE PATH: SECTION 5.5
TABLE 5.5-6 BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 6 (A, B)

AIR LEAKAGE TEST: REQUIRED - WHOLE BUILDING
- BUILDING IS LESS THAN 50,000 SF. WHOLE BUILDING, THIRD PARTY TESTING OF BUILDING UTILIZING A BLOWER DOOR TEST IS REQUIRED. LEAKAGE CANNOT EXCEED 0.40 CFM/SF.
- SEE SECTION 01 5179 - TEMPORARY ENVIRONMENTAL CONTROLS.

CONTINUOUS AIR BARRIER: REQUIRED - BUILDING ADDITION

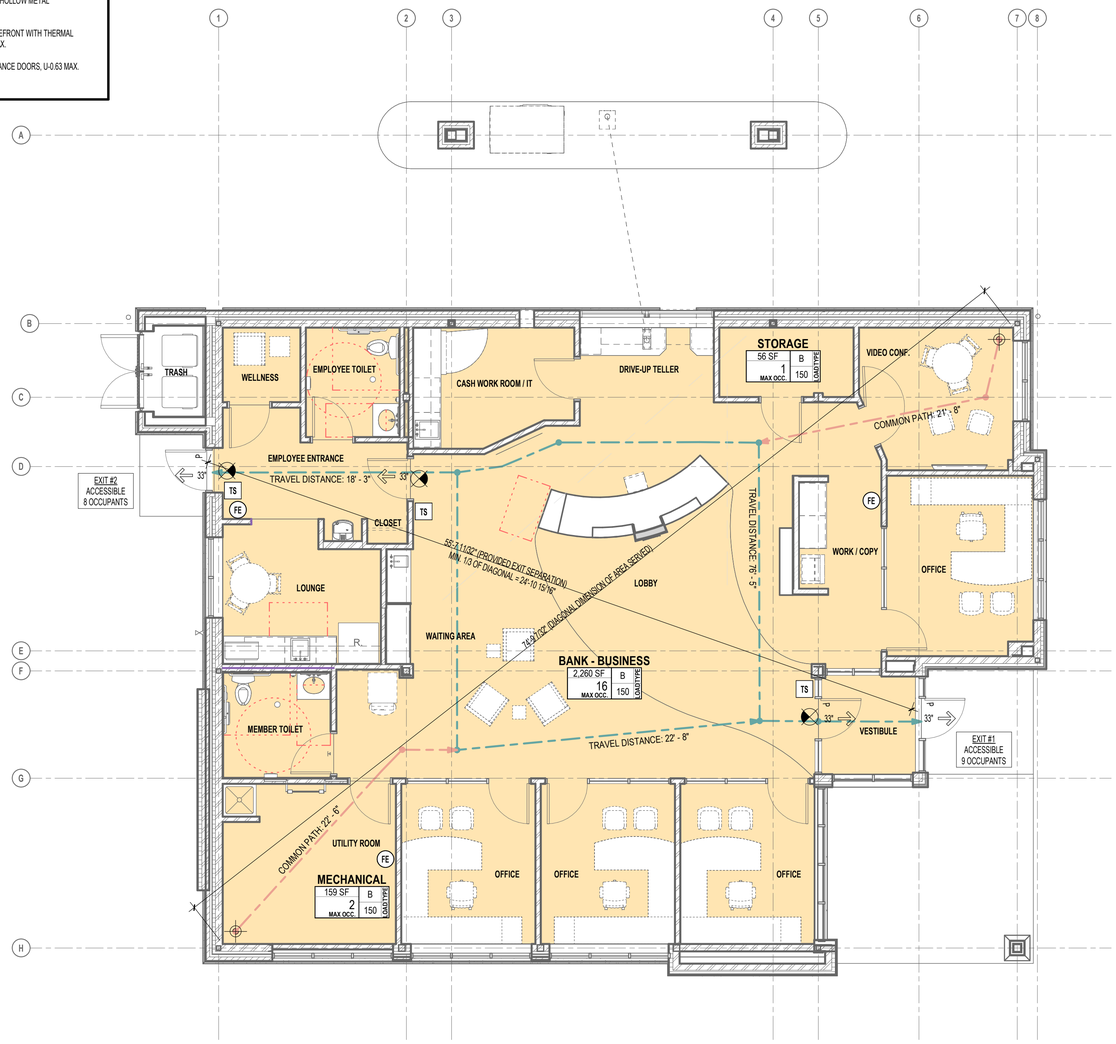
OPAQUE ELEMENT	MAXIMUM ALLOWABLE U-VALUE FOR ASSEMBLY	INSUL. MIN. R-VALUE
ROOFS INSULATION ENTIRELY ABOVE ROOF DECK	U-0.032	R-30 C.I.
WALLS, ABOVE GRADE METAL FRAMED	U-0.051	R-13 + R12.5 C.I.
WALLS, BELOW GRADE POURED CONC.	C-0.092	R-10 C.I.
SLAB ON GRADE FLOORS UNHEATED SLABS, PERIMETER INSULATION	F-0.510	R-20 FOR 24 INCHES
OPAQUE DOORS SWINGING	U-0.370	R-2.7 INSULATED HOLLOW METAL
FENESTRATION METAL FRAMING	U-0.42	ALUMINUM STOREFRONT WITH THERMAL BREAK, U-0.42 MAX.
METAL FRAMING (ENTRANCE DOORS)	U-0.63	ALUMINUM ENTRANCE DOORS, U-0.63 MAX.

CODE PLAN LEGEND

- COMMON PATH OF TRAVEL
- MAXIMUM PATH OF TRAVEL
- MOST REMOTE POINT (M.R.P.)
- TS — TACTILE SIGNAGE LOCATED AT ALL MEANS OF EGRESS.
- EMERGENCY EXIT SIGNS w/ EMERGENCY LIGHT
- FE — TYPE ABC FIRE EXTINGUISHER LOCATED TO PRIVIDE TOTAL BUILDING COVERAGE WITH 75'-0" RADIUS EACH
- 34" — EXIT WIDTH
- P — PANIC HARDWARE

AREA SCHEDULE - LIFE SAFETY

LEVEL	NAME	AREA	OCC TYPE	OCC LOAD FACTOR	CALC OCC
MAIN LEVEL	BANK - BUSINESS	2,260 SF	B	150	16
MAIN LEVEL	MECHANICAL	159 SF	B	150	2
MAIN LEVEL	STORAGE	56 SF	B	150	1
MAIN LEVEL		2,475 SF			
TOTAL:		2,475 SF			



1 / A0.1 **MAIN LEVEL LIFE SAFETY PLAN**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

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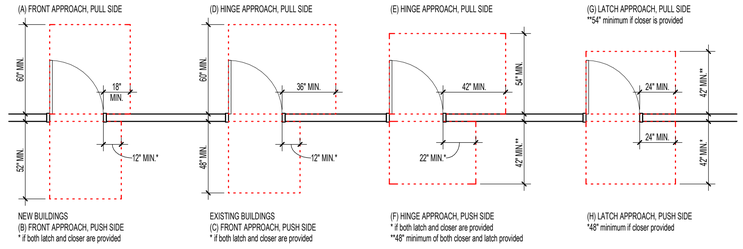
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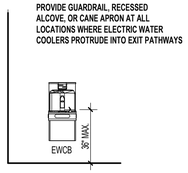
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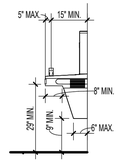
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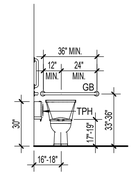
1 A0.2 **MANEUVERING CLEARANCES REQUIREMENTS AT MANUAL SWINGING DOORS - ICC A117.1**
1/4" = 1'-0"



2 A0.2 **WATER COOLER - FRONT**
1/4" = 1'-0"

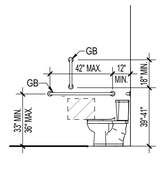


3 A0.2 **WATER COOLER - SIDE**
3/8" = 1'-0"



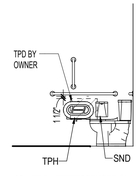
TOILET AND GRAB BARS - FRONT VIEW

4 A0.2 **ADA TOILET ELEVATION - FRONT**
1/4" = 1'-0"



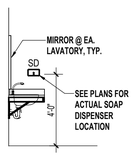
TOILET & GRAB BARS - SIDE VIEW

5 A0.2 **ADA TOILET ELEVATION - SIDE**
1/4" = 1'-0"

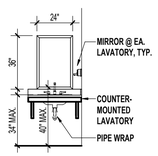


TOILET PAPER DISPENSER & SANITARY NAPKIN DISPOSAL

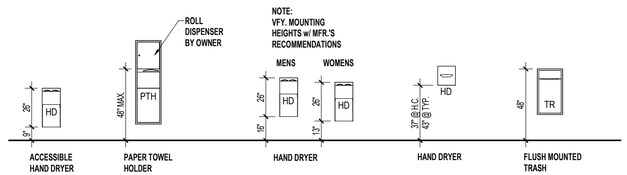
6 A0.2 **ADA TOILET ELEVATION - SIDE**
1/4" = 1'-0"



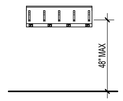
7 A0.2 **LAVATORY, SINGLE - SIDE**
1/4" = 1'-0"



8 A0.2 **LAVATORY, SINGLE**
1/4" = 1'-0"



9 A0.2 **HAND DRYER, TOILET ELEVATIONS-PAPER TOWEL DISPENSER, TRASH**
1/4" = 1'-0"



11 A0.2 **MOP AND BROOM HOLDER**
1/4" = 1'-0"

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ADA DETAILS

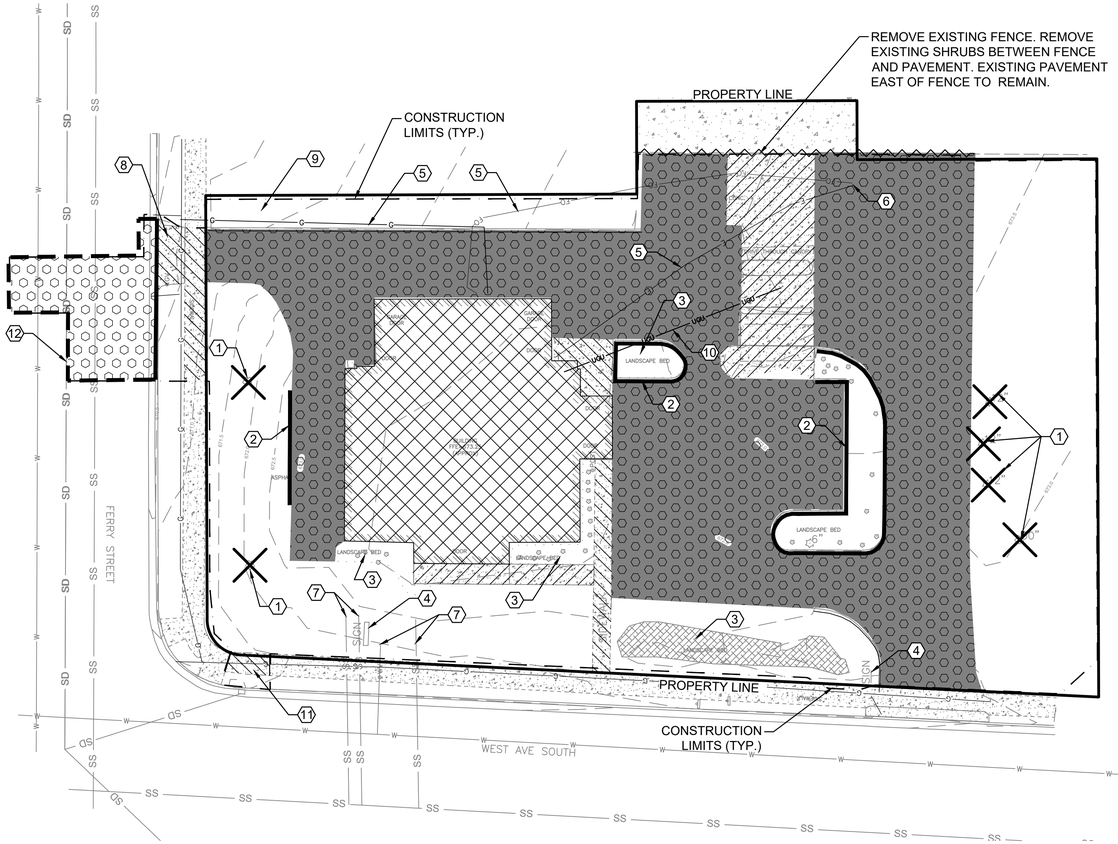
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PERMITTING

THE CONTRACTOR SHALL OBTAIN AND MAINTAIN ALL PERMITS, LICENSES, AND APPROVALS REQUIRED FOR THE WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PERMIT REQUIREMENTS WITH ALL AUTHORITIES HAVING JURISDICTION AND ENSURING THAT ALL REQUIRED PERMITS ARE OBTAINED AND ACTIVE BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES. PERMITS MAY BE REQUIRED FROM, THE CITY OF LA CROSSE, WISCONSIN DEPART OF NATURAL RESOURCES (WIDNR), UTILITY PROVIDERS, AND OTHER APPLICABLE AGENCIES. PERMITS AND APPROVALS MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING :

- BUILDING PERMIT
- SITE/LAND DISTURBANCE PERMIT
- EROSION CONTROL PERMIT
- RIGHT OF WAY FOR WORK IN PUBLIC STREETS OR SIDEWALKS (CITY OR STATE)
- WATER SERVICE CONNECTION PERMIT
- SANITARY SERVICE CONNECTION PERMIT
- UTILITY RELOCATION OR COORDINATION PERMITS WITH APPLICABLE UTILITY COMPANIES
- WIDNR CONSTRUCTION SITE STORMWATER PERMIT
- DEWATERING PERMIT IF GROUND WATER PUMPING IS REQUIRED

THIS LIST IS NOT INTENDED TO BE COMPREHENSIVE. THE CONTRACTOR SHALL BE RESPONSIBILE FOR INDENTIFYING AND OBTAINING ANY ADDITIONAL PERMITS OR APPROVALS REQUIRED TO COMPLETE THE WORK IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED.

CALL 48 HOURS BEFORE DIGGING:

DIGGERS HOTLINE

(800) 242-8511

N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND UTILITY
- SAWCUT LINE
- REMOVE EXISTING CONCRETE C&G
- REMOVE BITUMINOUS PAVEMENT
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING BUILDING
- REMOVE EXISTING TREE

DEMOLITION NOTES

1. UTILITIES SHOWN HERE ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN THEIR ACCURACY. VERIFY WORK. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
2. CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATOR AS NECESSARY TO VERIFY UNDERGROUND UTILITIES. UTILITIES SHOWN ON PLANS MAY VARY FROM EXISTING CONDITIONS, AND CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITY LINES SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY.
3. ALL UNDERGROUND UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON SITE. CALL WISCONSIN ONE-CALL AT 800-242-8511 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO SCHEDULE UTILITY LOCATIONS FOR THIS SITE. CONTRACTOR TO REPAIR ANY DAMAGED UNDERGROUND UTILITIES DURING CONSTRUCTION AT NO COST TO OWNER.
4. CONTRACTOR SHALL PROVIDE DIGITAL RECORD OF ALL EXISTING CONDITIONS TO REMAIN IN PLACE THAT MAYBE DAMAGED CAUSED BY REGULAR CONSTRUCTION OPERATIONS.
5. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS, SIZE, AND TYPE OF ALL SANITARY, STORM, AND WATERMAIN CONNECTION LOCATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER & OWNER OF DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION, REMOVAL, AND DISPOSAL.
7. ALL MATERIAL DESIGNATED FOR REMOVAL TO BECOME PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL HAUL MATERIAL OFF-SITE AND DISPOSE IN A RESPONSIBLE MANNER.
8. CONTRACTOR TO COORDINATE WITH SMALL UTILITY OWNER FOR REMOVAL/REPLACEMENT WORK.
9. CONTRACTOR TO REVIEW ALL TREE AND OTHER SIGNIFICANT LANDSCAPE REMOVAL LIMITS WITH OWNER PRIOR TO CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING TREE (TYP)
2. REMOVE EXISTING CONCRETE CURB & GUTTER
3. REMOVE LANDSCAPE AREAS. REFER TO SITE GEOTECHNICAL REPORT FOR MORE INFORMATION ON SUBGRADE ORGANIC REMOVALS.
4. REMOVE EXISTING SIGN.
5. REMOVE AND RELOCATE UNDERGROUND ELECTRIC, GAS, AND FIBER OPTIC LINES. CONTRACTOR TO COORDINATE WITH RESPECTIVE SMALL UTILITY OWNER ON RELOCATED LOCATION.
6. REMOVE EXISTING POWER POLE
7. CONTRACTOR TO REMOVE EXISTING BUILDING WATER AND SANITARY SERVICE TO PROPERTY LINE. BEFORE CONSTRUCTION ACTIVITIES BEGIN, FIELD VERIFY VIA EXCAVATION OR PRIVATE UTILITY LOCATE EXACT LOCATION OF WATER AND SANITARY SEWER CONNECTION TO CITY INFRASTRUCTURE. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF DISCREPANCIES FROM THE PLANS ARE FOUND.
8. CONTRACTOR TO COORDINATE WITH CITY ON APRON, SIDEWALK, AND UTILITY INSTALLATION WITH TIMING TO STREET RECONSTRUCTION
9. CLEAR AND GRUB EXISTING TREE LINE PER OWNERS DIRECTION
10. CONTRACTOR TO LOCATE AND REMOVE EXISTING DRIVE-TRHU PNEUMATIC TELLER TUBE SYSTEM AND ALL ASSOCIATED COMPONENTS SERVING THE EXISTING BANK DRIVE-THRU, INCLUDING BUT NOT LIMITED TO, THE 32" TYPE SYSTEM, CARRIERS, TUBING, BLOWERS, MOTORS, CONTROL EQUIPMENT, WIRING, SUPPORTS, AND ANY ASSOCIATED FOUNDATIONS AND MOUNTING HARDWARE.
11. REMOVE CONCRETE SIDEWALK FOR STORM CONNECTION
12. FULL DEPTH SAWCUT PERPENDICULAR TO TRAFFIC

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS

DATE	NO.	

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NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

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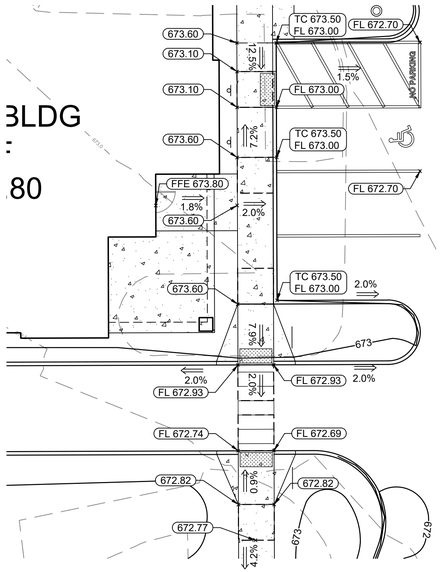
DEMOLITION PLAN

DRAWN BY: BN CHECKED BY: BF

C1

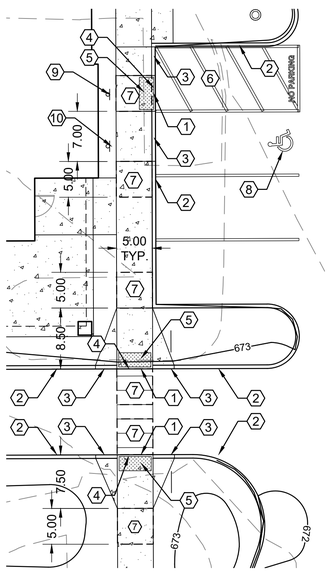
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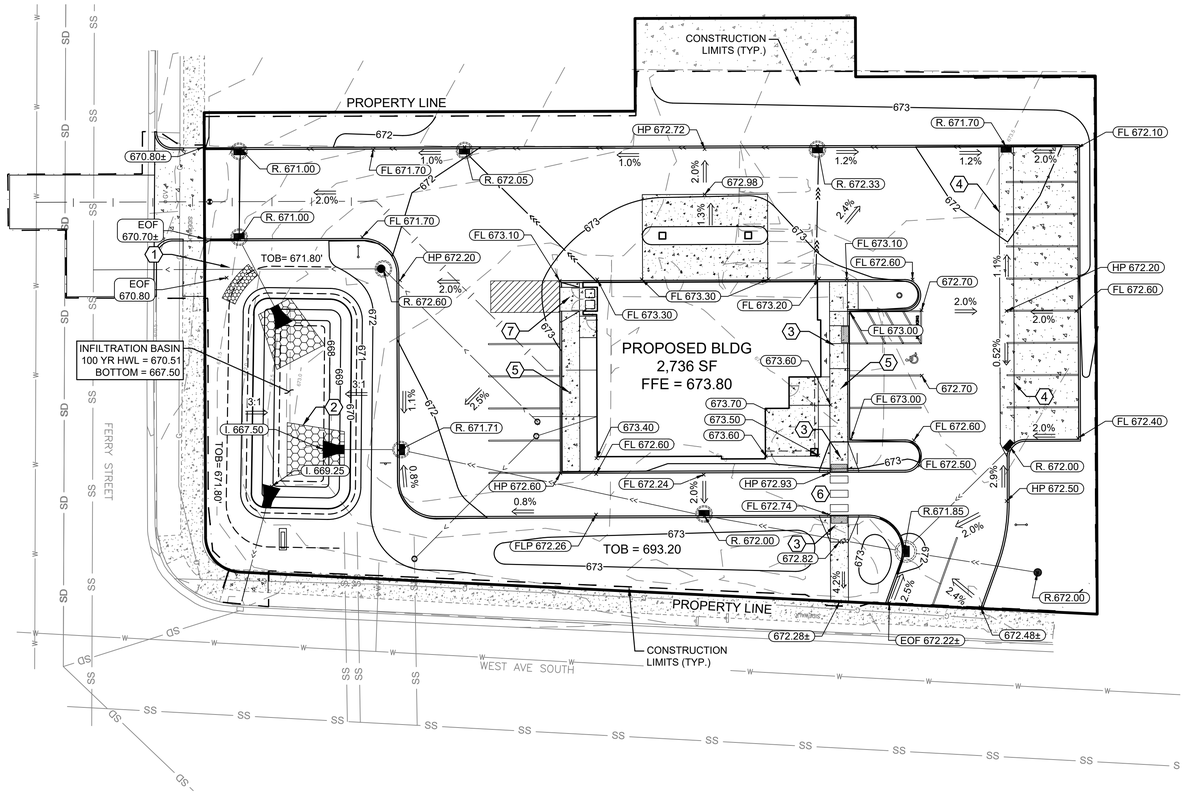
1 ACCESSIBLE RAMPS GRADING DETAIL

SCALE:1" = 10'



2 ACCESSIBLE RAMPS DIMENSIONS DETAIL

SCALE:1" = 10'



ACCESSIBILITY KEY NOTES

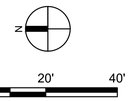
1. 0" CURB HEIGHT AT PEDESTRIAN RAMP
2. FULL CURB HEIGHT
3. VARIABLE HEIGHT CURB
4. ½ " PREFORMED JOINT FILLER SHALL BE PLACED FLUSH WITH BACK OF CURB AND ADJACENT TO SIDEWALK.
5. RECTANGULAR DETECTABLE WARNING SHALL EXTEND 4' MIN. INWIDTH AND 2' MIN IN THE PATH OF TRAVEL. DETECTABLE WARNING SHALL BE SET FROM THE BACK OF CURB IN ACCORDANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBILITY.
6. 4" PAINTED DIAGONAL LINES 45° - 3' CENTER TO CENTER.
7. 4' BY 4' MIN. LANDING WITH MAX. 2.0% SLOPE IN ALL DIRECTIONS
8. WHITE REFLECTIVE PAINT RECTANGLE CENTERED AROUND ACCESSIBILITY PARKING SYMBOL. LINE TO BE 3 INCHES WIDE, OVER A WIDTH OF 36 INCHES AND HEIGHT OF 41 INCHES PER 2010 ADA STANDARDS FOR ACCESSIBILITY.
9. HANDICAP STALL SIGN TO COMPLY WITH 2010 ADA STANDARDS FOR ACCESSIBILITY CODE 502.6. SEE DETAIL 4/C5
10. NO PARKING SIGN TO COMPLY WITH 2010 ADA STANDARDS FOR ACCESSIBILITY CODE 502.6.

SPOT ELEVATION KEY

±	MATCH EXISTING GRADE
TC	TOP OF CURB ELEVATION
FL	FLOW LINE ELEVATION
FFE	FINISHED FLOOR ELEV

ACCESSIBILITY NOTES

1. PROPOSED SPOT ELEVATIONS ARE TO TOP OF FINISHED SURFACE UNLESS OTHERWISE NOTED IN LEGEND .
2. ALL CONSTRUCTION OF HANDICAP STALLS, ROUTES, & CURB RAMPS TO COMPLY WITH THE 2017 WI ACCESSIBILITY CODE.
3. CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS. ALL GRADE BREAKS SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL .
4. TO ENSURE RAMPS & LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS MAY BE CAST SEPARATELY.
5. ALL SLOPES ARE ABSOLUTE, RATHER THAN RELATIVE TO SIDEWALK/ROADWAY GRADES.
6. TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.



LEGEND

	PROPERTY LIMITS
	CONSTRUCTION LIMITS
672	EXISTING MINOR CONTOUR
670	EXISTING MAJOR CONTOUR
672	PROPOSED MINOR CONTOUR
670	PROPOSED MAJOR CONTOUR
2.0%	DRAINAGE ARROW
	PROPOSED CONCRETE C&G

SPOT ELEVATION KEY

±	EXISTING GRADE
FL	GUTTER FLOW LINE
HP	HIGH POINT ELEVATION
R	RIM ELEVATION
I	INVERT ELEVATION
EOF	EMERGENCY OVERFLOW ELEVATION
FFE	FINISHED FLOOR ELEVATION
TOB	TOP OF BEARM ELEVATION

CONTRACTOR NOTES

1. DISTURBED AREA IS EQUAL TO 0.77 ACRES. WISCONSIN DNR STORMWATER PERMIT WILL NOT BE REQUIRED FOR THIS PROJECT.
2. PROPOSED SPOT ELEVATIONS ARE TO TOP OF FINISHED SURFACE UNLESS OTHERWISE NOTED IN LEGEND.
3. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES. LOCATIONS OF UTILITIES SHOWN BASED ON SURVEY AND AS-BUILT INFORMATION AND MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR UTILIZING UTILITY LOCATES PRIOR TO STARTING ANY WORK.
4. SEE SHEET C3 FOR EROSION AND SEDIMENT CONTROL PLAN.

KEY NOTES

1. INSTALL RIP-RAP IN ACCORDANCE WITH WISDOT STANDARD SPEC SECTION 606 - RIPRAP AND FILTER BLANKET.
2. INSTALL RIP-RAP AT FES LOCATIONS IN ACCORDANCE WITH WISDOT STANDARD SPEC SECTION 606 - RIPRAP AND FILTER BLANKET.
3. INSTALL ACCESSIBLE PEDESTRIAN RAMP. SEE DETAILS 1/C2 AND 2/C2 .
4. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER
5. SIDE WALK TO TIP AWAY FROM BUILDING AT A MINIMUM OF 1.8% UNLESS NOTED OTHERWISE
6. PEDESTRIAN CROSS WALK. MAINTAIN CROSS SLOPE OF 2.0% MAXIMUM. SEE ARCHITECTURE PLANS FOR MORE DETAILS.
7. INSTALL RAMP FOR DUMPSTER ACCESS.

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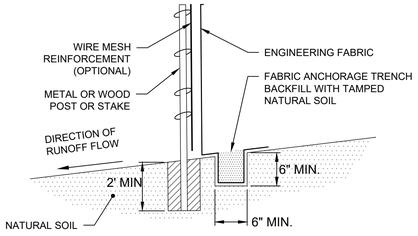
GRADING & DRAINAGE PLAN

DRAWN BY: BN CHECKED BY: BF

C2

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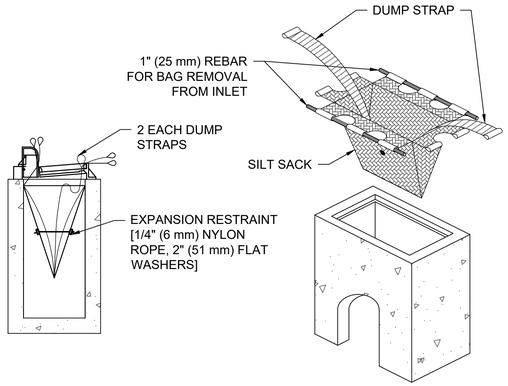
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NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES.

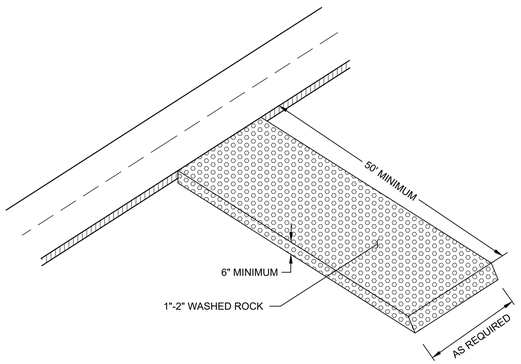
5 TYPICAL SILT FENCE DETAIL

SCALE:N.T.S.



6 TYPICAL INLET PROTECTION DETAIL

SCALE:N.T.S.

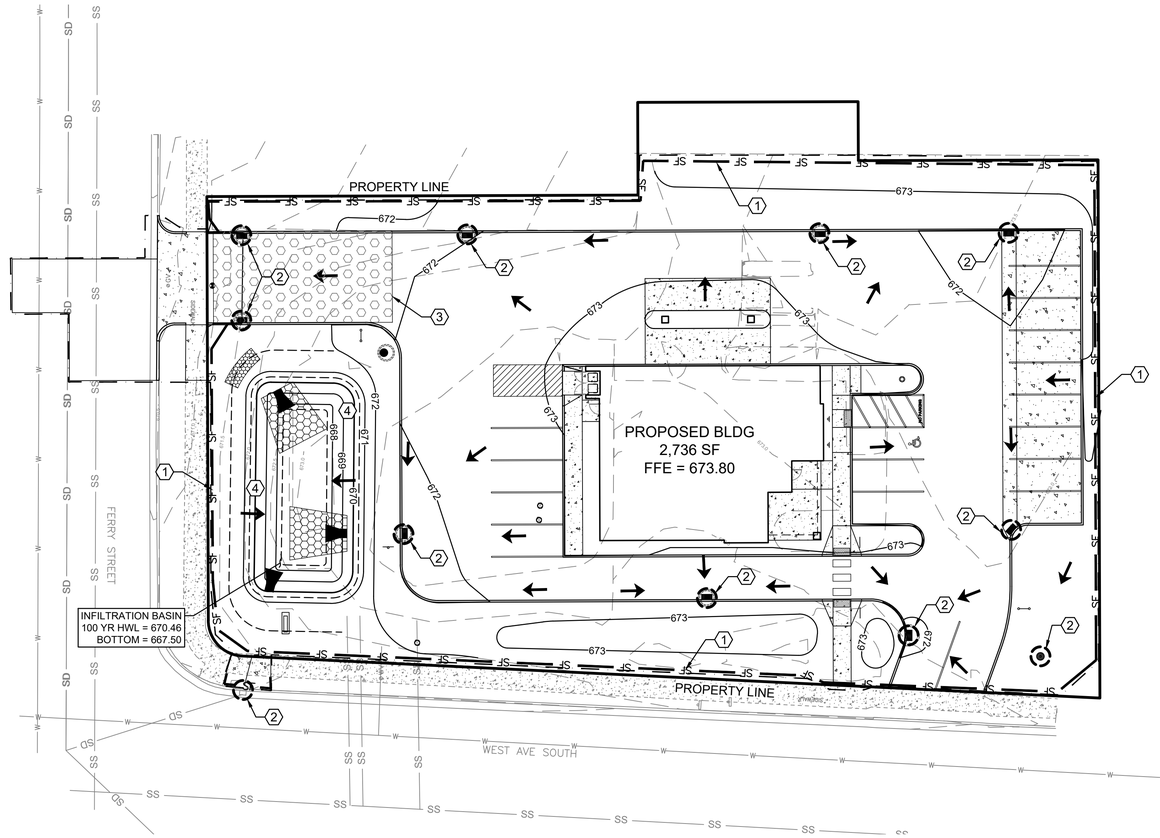


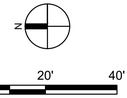
7 ROCK CONSTRUCTION ENTRANCE DETAIL

SCALE:N.T.S.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

ITEM	INSTALLATION	INSPECTION & MAINTENANCE	REMOVAL
SILT FENCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED.	AFTER TRIBUTARY DRAINAGE AREA IS RESTORED.
ROCK CONST. ENTRANCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT REGULARLY. MAINTAIN AS NEEDED.	PRIOR TO PAVING.
SEED & MULCH	AFTER POND GRADING IS COMPLETED.	INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY	NO REMOVAL NECESSARY.
INLET PROTECTION	UPON INLET CONSTRUCTING	WHEN 1/3 CAPACITY OF BMP IS REACHED	AFTER TRIBUTARY AREAS ARE FULLY RESTORED





LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- DRAINAGE ARROW
- SF SILT FENCE
- INLET PROTECTION
- ROCK ENTRANCE
- BIO-ROLL

KEY NOTES

1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THEDURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE EXPOSED CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE. (Rev. February 2017)
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. (Rev. February
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
15. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE CITY OR OWNER. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRITE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: https://dnr.wi.gov/botw
29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS.. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

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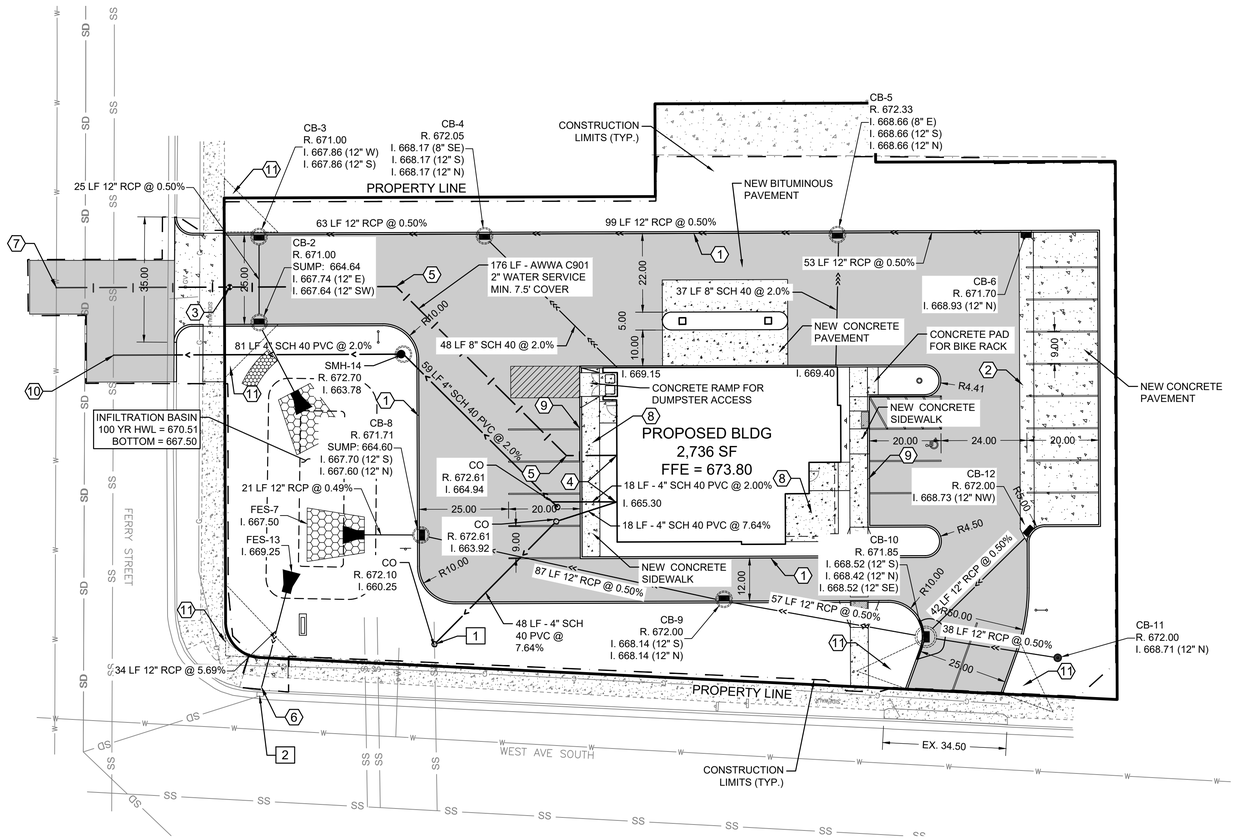
EROSION & SEDIMENT CONTROL PLAN

DRAWN BY: BN CHECKED BY: BF

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BID ALTERNATES

1 CONNECT NEW BUILDING SANITARY SERVICE TO EXISTING SANITARY SERVICE STUB AT ELEVATION 660.25±

2 RECONSTRUCT CITY CATCH BASIN IN STREET WITH NEW 48" MANHOLE TO FIT NEW 12" PIPE FROM EAST AND EXISTING 12" PIPE TO NORTHWEST. REMOVE AND REPLACE BITUMINOUS ROADWAY SURFACE AS REQUIRED.

STRUCTURE SCHEDULE

STRUCTURE NO.	SIZE	CASTING & NOTES (NEEHAN)
FES–1	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–2	48" ROUND	R–3067–V
CB–3	48" ROUND	R–3067–V
CB–4	48" ROUND	R–3067–V
CB–5	48" ROUND	R–3067–V
CB–6	2'X3' REC	R–3067–V
FES–7	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–8	48" ROUND	R–3067–V
CB–9	48" ROUND	R–3067–V
CB–10	60" ROUND	R–3067–V
CB–11	48" ROUND	R–2501
CB–12	2'X3' REC	R–3067–V
FES–13	12" ROUND	INSTALL TRASH GUARD
SMH–14	48" ROUND	R–1642–SOLID "SANITARY"

N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- BITUMINOUS PAVMENT
- CONCRETE WALK / PAVEMENT
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLETS

KEY NOTES

1. PROPOSED STANDARD CONCRETE CURB & GUTTER. SEE DETAIL 12/C5.
2. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER. SEE DETAIL 7/C5.
3. INSTALL NEW 2" CURB STOP. CONTRACTOR TO VERIFY EXISTING SERVICE SIZE.
4. UTILITY SERVICE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL PLAN OR MASTER PLUMBER PRIOR TO INSTALLATION.
5. INSTALL 45° BEND AS SHOWN
6. CONNECT TO EXISTING MANHOLE VIA CORE DRILL AT ELEVATION 667.32±. REMOVE AND REPLACE CONCRETE WALK WITHIN ROW PER CITY STANDARDS.
7. CONNECT TO EXISTING WATERMAIN VIA SADDLE AND WET TAP.
8. CONCRETE WALK TO BE INSTALLED WITH SNOW MELT SYSTEM. SEE MECHANICAL FOR DETAILS.
9. CONCRETE SIDEWALK AND CONCRETE GUTTER TO BE ONE MONOLITHIC POUR. SEE DETAIL 10/C5 AND 11/C5.
10. CONNECT TO TOP OF EXISTING SANITARY SEWER USING A LATERAL RISER. SEE DETAIL 5/C5. RISER HEIGHT APPROX. 2.0'. EX. 12" INV = 658.80±.
11. SIGHT TRIANGLE. 15' AT DRIVEWAYS. 20' AT STREET INTERSECTIONS.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND PER THE GEOTECHNICAL REPORT UNLESS DIRECTED OTHERWISE.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, UNLESS DIRECTED OTHERWISE.
3. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY, DEPT. OF HEALTH, AND WISDOT PERMITS. VERIFY RECEIPT OF ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
4. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION PROVIDED BY THE OWNER ON A SURVEY PREPARED BY REAL LAND SURVEYING. BE ADVISED THAT THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND DEPTH OF ALL UNDERGROUND UTILITIES.
5. ALL HANDICAPPED STALLS AND ACCESS RAMPS SHALL COMPLY WITH CURRENT ADA STANDARDS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF BUILDING ENTRANCES.
6. WATER LINES ARE REQUIRED TO BE INSTALLED AT 7.5 FEET MINIMUM DEPTH AND PROVIDE MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER. WATERMAIN TO BE INSULATED STATE SPECIFICATIONS, WHERE COVER DEPTHS CANNOT BE ACHIEVED. CONTRACTOR SHALL CONTACT THE ENGINEER IF THERE ARE AREAS WHERE MINIMUM COVER DEPTH CANNOT BE MET.
7. WATER SERVICE MATERIALS SHALL BE AWWA C901. CONTRACTOR SHALL VERIFY SERVICE SIZE AND MATERIALS PRIOR TO CONSTRUCTION.
8. SANITARY SEWER PIPE MATERIALS SHALL BE SCH 40 PVE. PIPE SHALL BE INSULATED PER STATE STANDARDS WHERE 7.5 FOOT COVER DEPTHS ARE NOT ACHIEVED.
9. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE WATER TIGHT. APPROVED RESILIENT RUBBER JOINTS MUST BE USED MEETING ASTM F2510 TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES AND CATCH BASINS. DO NOT GROUT OVER FLEXIBLE CONNECTIONS TO MANHOLES.
10. CONTRACTOR TO PROVIDE TRACER WIRE FOR ALL NON-METALLIC PIPE PER CITY OF LA CROSSE STANDARDS.
11. STORM SEWER TO BE RCP CONFORMING TO ASTM C76 CLASS III MINIMUM UNLESS NOTED OTHERWISE. JOINTS SHALL BE RUBBER GASKETED BELL AND SPIGOT MEETING ASTM C443. PIPE SHALL BE MANUFACTURED BY A NPCA OR ACPA CERTIFIED PLANT.
12. INSTALL PER WISDOT STANDARD SPECIFICATIONS SECTION 520 AND APPLICABLE STANDARD DETAIL DRAWINGS. PROVIDE CLASS B BEDDING MINIMUM UNLESS OTHERWISE SHOWN. COMPACT GRANULAR BACKFILL TO 95% STANDARD PROCTOR WITHIN THE PIPE ZONE. M AINTAIN LINE AND GRADE. WATERTIGHT JOINTS REQUIRED.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

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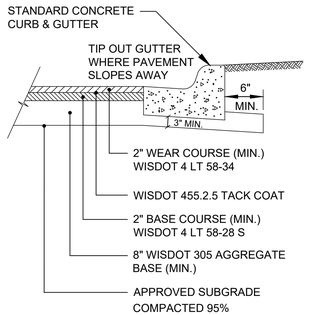
UTILITY & PAVING PLAN

DRAWN BY: BN CHECKED BY: BF

C4

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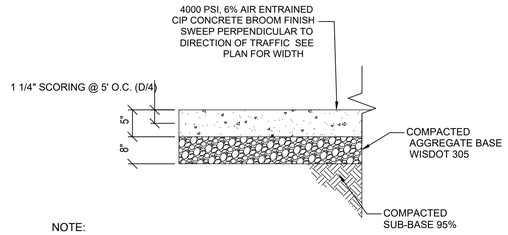


NOTE:

1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.

1 BITUMINOUS PAVEMENT SECTION

SCALE:N.T.S.

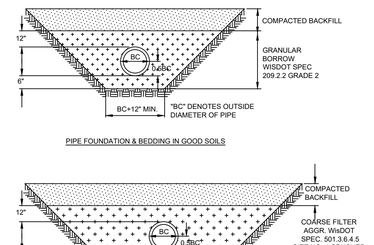


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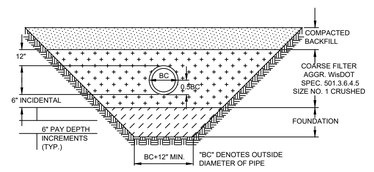
1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

2 CONCRETE PAVEMENT SECTION

SCALE:N.T.S.



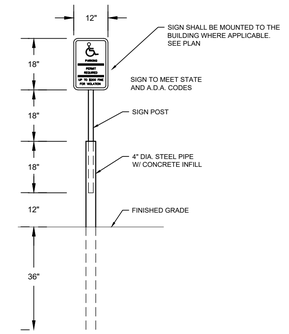
PIPE FOUNDATION & BEDDING IN GOOD SOILS



IMPROVED PIPE FOUNDATION & BEDDING IN POOR SOILS

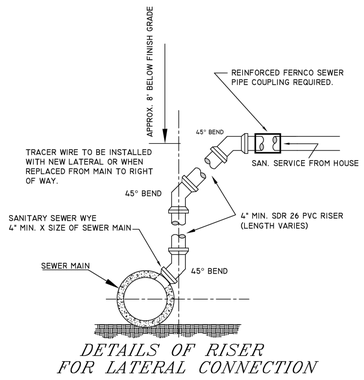
3 PVC SEWER BEDDING

SCALE:N.T.S.



4 ACCESSIBLE PARKING SIGN

SCALE:N.T.S.

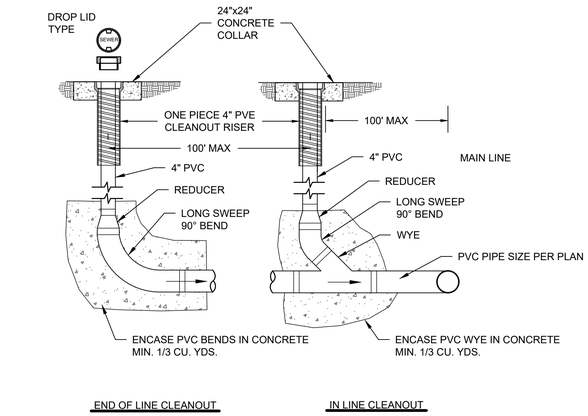


DETAILS OF RISER FOR LATERAL CONNECTION

NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-6 FOR MORE INFORMATION.

5 SANITARY RISER CONNECTION

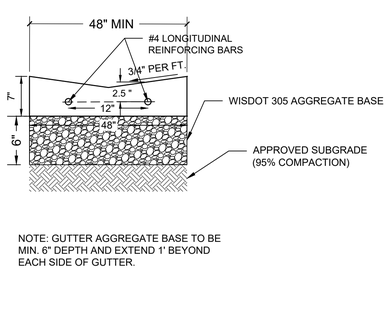
SCALE:N.T.S.



END OF LINE CLEANOUT IN LINE CLEANOUT

6 ROOF DRAIN CLEANOUT DETAIL

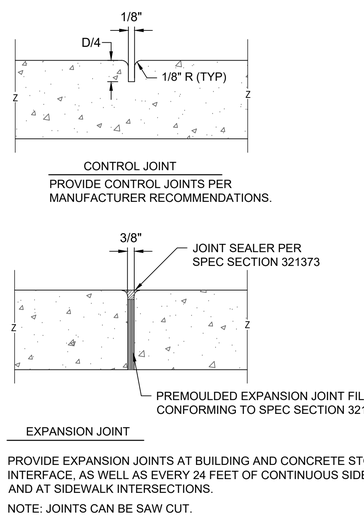
SCALE:N.T.S.



NOTE: GUTTER AGGREGATE BASE TO BE MIN. 6" DEPTH AND EXTEND 1' BEYOND EACH SIDE OF GUTTER.

7 CONCRETE VALLEY GUTTER

SCALE:N.T.S.



CONTROL JOINT

PROVIDE CONTROL JOINTS PER MANUFACTURER RECOMMENDATIONS.

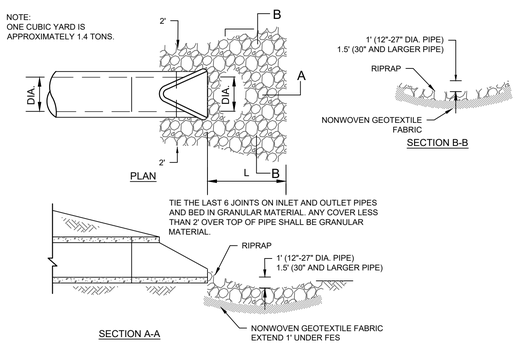
EXPANSION JOINT

PROVIDE EXPANSION JOINTS AT BUILDING AND CONCRETE STOOP INTERFACE, AS WELL AS EVERY 24 FEET OF CONTINUOUS SIDEWALK AND AT SIDEWALK INTERSECTIONS.

NOTE: JOINTS CAN BE SAW CUT.

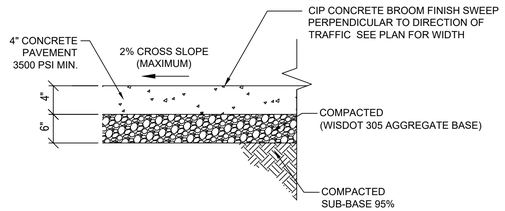
8 JOINTING DETAIL

SCALE:N.T.S.



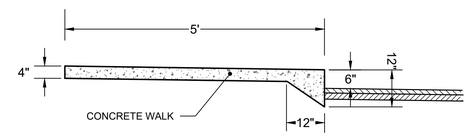
9 FLARED END SECTION

SCALE:N.T.S.



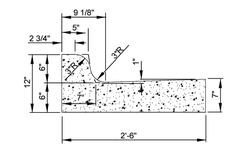
10 CONCRETE WALK SECTION

SCALE:N.T.S.



11 MONOLITHIC CURB AND SIDEWALK

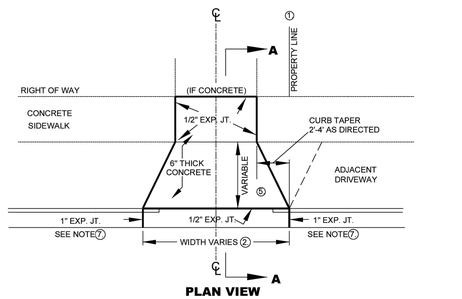
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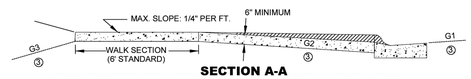


NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.

12 STANDARD CURB AND GUTTER SECTION

SCALE:N.T.S.





NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.

13 SRANDARD DRIVEWAY DETAIL

SCALE:N.T.S.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS

DATE	NO.

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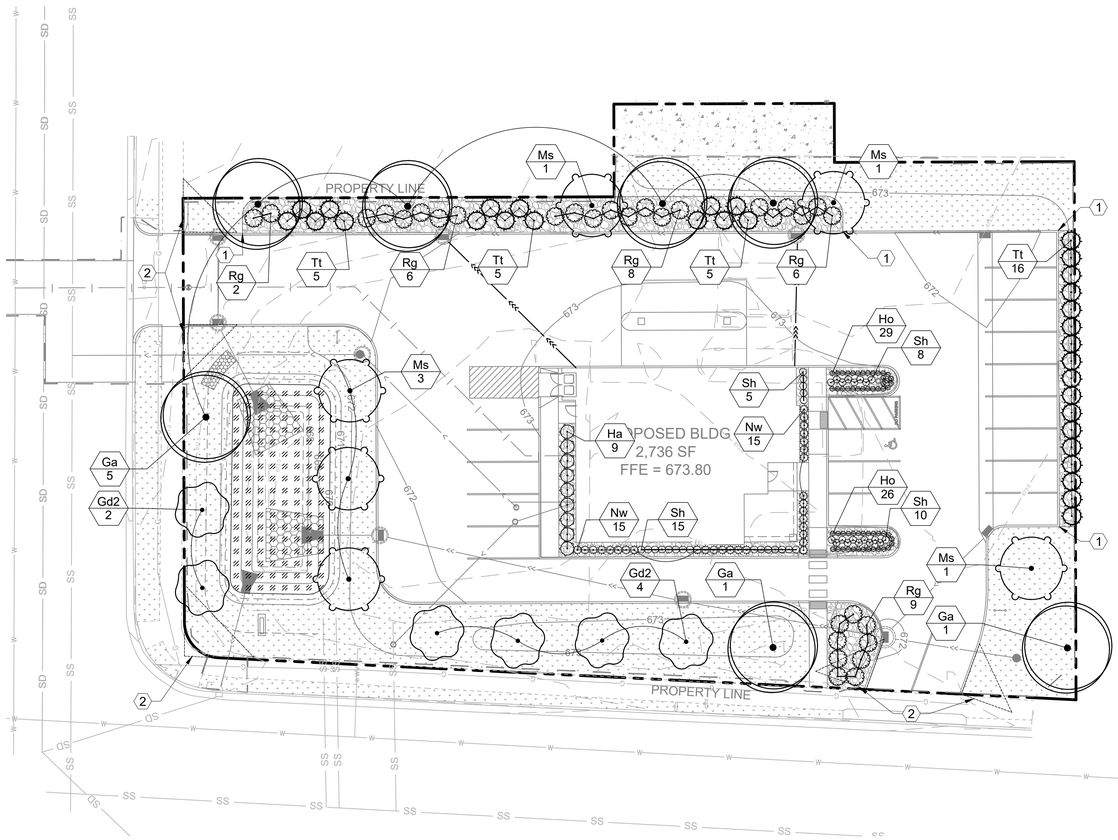
CIVIL DETAILS

DRAWN BY: BN CHECKED BY: BF

C5

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N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- 966 PROPOSED MINOR CONTOUR
- 965 PROPOSED MAJOR CONTOUR
- SOD WITH IRRIGATION
- WET DETENTION SEED MIX
- 3" DEEP ROCK MULCH W/ LANDSCAPE FABRIC
- METAL EDGER

NOTES

1. PER CITY OF LA CROSSE, IRRIGATION IS REQUIRED.
2. IF A DISCREPANCY IS FOUND, THE PLANTING PLAN SHALL OVERRIDE THE PLANT SCHEDULE.
3. SEE CIVIL SHEETS FOR EROSION CONTROL BLANKET LOCATIONS.

KEY NOTES

1. START / STOP METAL EDGER
2. SIGHT TRIANGLE. 15' AT DRIVEWAYS. 20' AT STREET INTERSECTIONS.

CITY OF LA CROSSE LANDSCAPE REQUIREMENTS:

SITE SF NOT OCCUPIED BY BUILDINGS OR PAVED SURFACES = 12,265 SF

REQUIREMENTS	CALCULATION	REQUIRED	PROVIDED
BOULEVARD TREES	374 LF / 40	9.35 TREES	10 TREES
SITE TREES	(12,265 SF / 600) * 2	40.8 TREES	41 TREES
SITE SHRUBS	(12,265 SF / 600) * 8	163.5 SHRUBS	164 SHRUBS

ONE TREE PLACED IN THE BOULEVARD PER 40 LINEAR FEET OF LOT FRONTAGE.

NOT LESS THAN TWO TREES AND EIGHT SHRUBS PER 600 SQUARE FEET OF LANDSCAPED AREA.

PROVIDE A FIVE-TO-SIX FOOT TALL SOLID SCREEN TO SEPARATE PARKING LOTS FROM ABUTTING RESIDENTIAL USES.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE
DECIDUOUS TREES					
	Ga	7	AUTUMN GOLD MAIDENHAIR TREE GINKGO BILOBA 'AUTUMN GOLD'	B&B	2" CAL.
	Gd2	6	STREET KEEPER® HONEY LOCUST GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	B&B	2" CAL.
EVERGREEN TREES					
	Tt	32	TECHNY ARBORVITAE THUJA OCCIDENTALIS 'TECHNY'	B&B	5` HT.
ORNAMENTAL TREES					
	Ms	6	SPRING SNOW CRABAPPLE MALUS X 'SPRING SNOW'	B&B	2" CAL.
SYMBOL	**CODE**	**QTY**	**COMMON / BOTANICAL NAME**	**CONT**	**SIZE**
DECIDUOUS SHRUBS					
	Ha	9	ANNABELLE HYDRANGEA HYDRANGEA ARBORESCENS 'ANNABELLE'	CONT.	5 GAL.
	Rg	31	GRO-LOW FRAGRANT SUMAC RHUS AROMATICA 'GRO-LOW'	CONT.	5 GAL.
PERENNIALS					
	Ho	55	STELLA DE ORO DAYLILY HEMEROCALLIS X 'STELLA DE ORO'	CONT.	1 GAL.
	Nw	30	WALKER'S LOW CATMINT NEPETA X FAASSENII 'WALKER'S LOW'	CONT.	1 GAL.
	Sh	39	PRAIRIE DROPSEED SPOROBOLUS HETEROLEPIS	CONT.	1 GAL.

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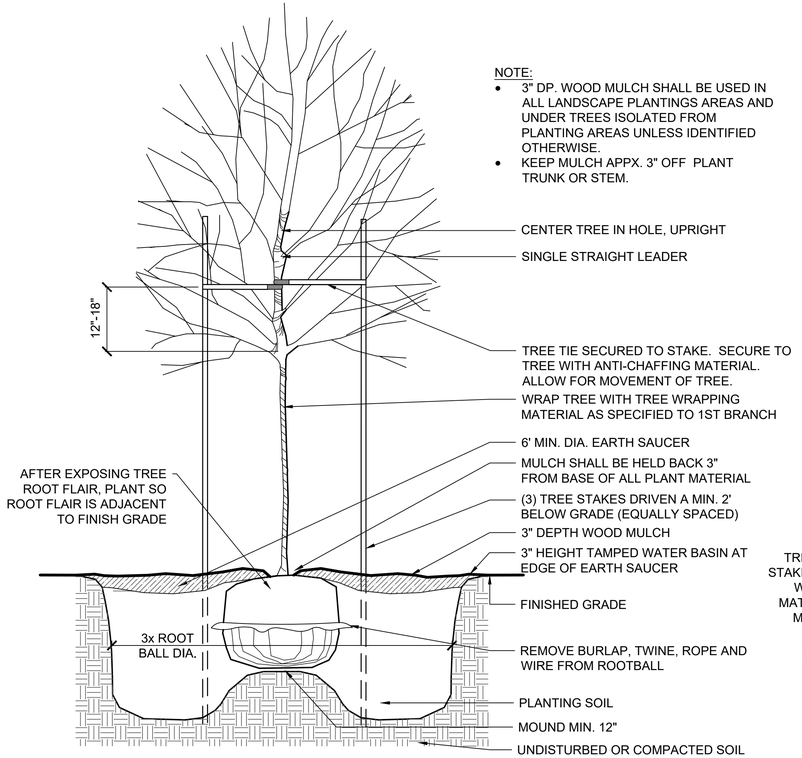
RESTORATION PLAN

DRAWN BY: JS CHECKED BY: CC

L1

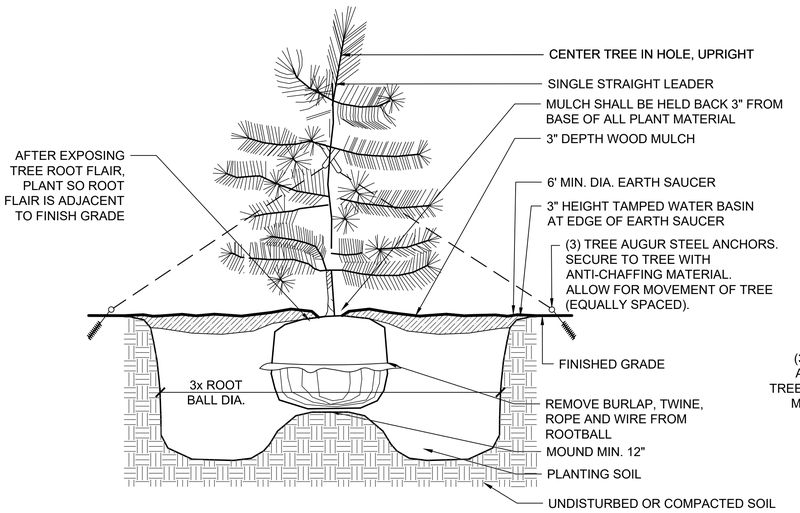
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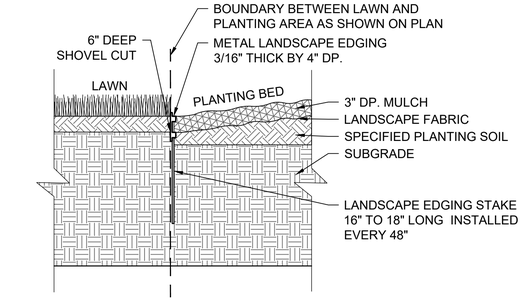
1 DECIDUOUS TREE PLANTING DETAIL

SCALE:N.T.S.



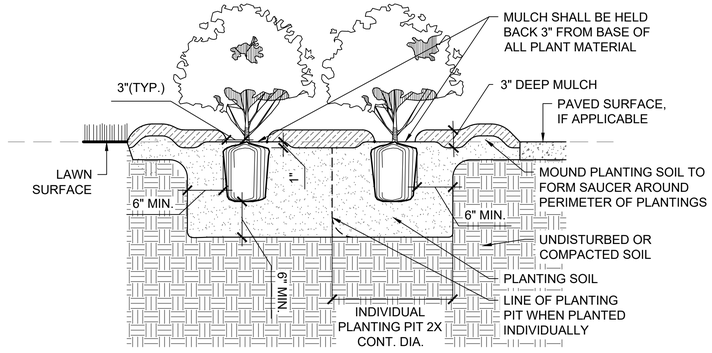
2 CONIFEROUS TREE PLANTING DETAIL

SCALE:N.T.S.



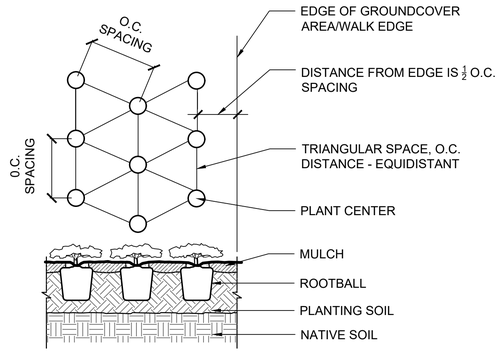
3 METAL EDGER DETAIL

SCALE:N.T.S.



4 DECIDUOUS SHRUB PLANTING DETAIL

SCALE:N.T.S.



NOTE:
- KEEP MULCH APPX. 2" OFF PLANT TRUNK OR STEM

5 SHRUB & PERENNIAL PLANTING BED DETAIL

SCALE:N.T.S.

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GENERAL LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO BECOME COMPLETELY FAMILIAR WITH SITE CONDITIONS.
2. ALL ROUGH AND FINISH GRADING TO BE DONE BY OTHERS.
3. NO PLANTING SHALL BE INSTALLED UNTIL ALL GRADING, BUILDING, CONSTRUCTION, UTILITY WORK & IRRIGATION (IF APPLICABLE) HAS BEEN COMPLETED IN THE AREAS TO BE PLANTED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UNDERGROUND CABLES, CONDUITS, WIRES, ETC., ON THE PROPERTY.
5. IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER OF PLANTS SHOWN IN THE PLANT LIST, THE NUMBER OF PLANTS SHOWN ON THE PLAN WILL TAKE PRECEDENCE.
6. ALL PROPOSED PLANT MATERIAL SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLAN. IF THE CONTRACTOR BELIEVES AN ERROR HAS BEEN MADE REGARDING SPACING OR LOCATION OF THE PLANT MATERIAL INDICATED ON THE PLAN, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF THE PLANT MATERIAL (WATERING, SPRAYING, FERTILIZING, MOWING, ETC.) UNTIL THE WORK HAS BEEN ACCEPTED, BY THE OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO PROPERTY DAMAGE FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
9. ALL NEWLY PLANTED PLANT MATERIAL SHALL BE GUARANTEED THROUGH ONE CALENDAR YEAR STARTING FROM THE DATE OF ACCEPTANCE ESTABLISHED BY THE OWNER.
10. THE CONTRACTOR SHALL MEET WITH THE OWNER OR OWNERS REPRESENTATIVE ON SITE WHEN THEY FEEL THE PROJECT IS COMPLETE ACCORDING TO THE CONTRACT DOCUMENTS. IF ALL WORK IS SATISFACTORY AND COMPLETE ACCORDING TO THE CONDITIONS OF THE CONTRACT DOCUMENTS, THEN THE OWNER MUST DECLARE THE PROJECT COMPLETE. THIS DECLARATION WILL CONSTITUTE AS THE BEGINNING OF THE ONE (1) YEAR WARRANTEE PERIOD FOR ALL PLANT MATERIAL. THE OWNER SHALL PROVIDE A LETTER WITH SIGNATURE STATING THE DATE OF ACCEPTANCE.
11. WIND BURN OR OTHERWISE DAMAGED PLANT MATERIAL WILL NOT BE ACCEPTED.
12. CONTRACTOR CAN SUBSTITUTE MACHINE MOVED MATERIAL USING APPROPRIATE SIZE TREE SPADE FOR B & B WITH OWNER APPROVAL.
13. THE PRACTICE OF STAKING SHOULD NOT ALLOW NAILS, SCREWS, WIRES, ETC. TO PENETRATE THE OUTER SURFACE OF THE TREES.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKES, GUYS, STRAPS AND TRUNK PROTECTION MEASURES FOLLOWING THE COMPLETION OF THE WARRANTEE PERIOD OR AS DIRECTED BY THE OWNER.
15. LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE THE OWNER WITH MAINTENANCE INFORMATION DURING THE GUARANTEE PERIOD RELATING TO WATERING, FERTILIZING, PRUNING, PEST CONTROL, AND RELATED ITEMS. THIS WILL BE PREPARED AND DELIVERED TO THE OWNER AFTER PROVISIONAL INSPECTION APPROVAL HAS BEEN GIVEN BY THE OWNER AND/OR LANDSCAPE ARCHITECT.
16. INSTALL CORRUGATED PLASTIC TREE GUARDS, WHITE IN COLOR, WITH THE SIZE OF TUBE 1" DIA. (MIN.) LARGER THAN THE CALIPER OF THE TREE TO BE PROTECTED.
17. CONTRACTOR TO FURNISH & INSTALL METAL EDGING AS SHOWN ON THE PLANS & DETAILS. METAL EDGING SHALL BE ALUMINUM OR STEEL, BLACK IN COLOR, WITH A MINIMUM THICKNESS OF 1/8" AND 4" DEEP. INSTALL 1 METAL STAKE EVERY 3-1/2 FEET OF EDGING.
18. LANDSCAPE FABRIC (FILTER MAT) TO HAVE A COMBINED WEIGHT OF 4.5-5.5 OZ. PER S.Y. FABRIC SHOULD BE U.V. STABILIZED AND HAVE A FIVE YEAR MINIMUM WEATHERABILITY FACTOR IN FULL SUNLIGHT. FABRIC TO BE PHILLIPS DUON R OR EQUIVALENT. SAMPLE REQUIRED FOR APPROVAL.
19. 3" DEPTH SHREDDED HARDWOOD MULCH SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS THAT ARE ISOLATED FROM GROUNDCOVER AREAS AND GENERAL SHRUB MASSES.
20. 3" DEPTH 1" TO 1-1/2" WASHED RIVER ROCK SHALL BE INSTALLED OVER LANDSCAPED FABRIC AS INDICATED ON THE PLANS & DETAILS.
21. CALIPER OF TREES UP TO AND INCLUDING 4" SHALL BE MEASURED AT 6" ABOVE GROUND LEVEL.
22. FOR BALLED & BURLAP PLANT MATERIAL, REMOVE THE TOP HALF OF THE BURLAP FROM THE ROOT BALL. WIRE CAGES, STRAPS, ETC. SHALL BE REMOVED FROM THE TOP HALF OF THE ROOTBALL BEFORE INSTALLATION.
23. ALL CONTAINER MATERIAL SHALL HAVE BEEN GROWN IN CONTAINER FOR A MINIMUM OF 6 MONTHS PRIOR TO INSTALLATION.
24. SHRUBS SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON-CENTER SPACING FROM PAVING EDGE UNLESS OTHERWISE NOTED.
25. DECIDUOUS SHRUBS SHALL HAVE MINIMUM OF FIVE (5) CANES AT SPECIFIED HEIGHT UNLESS OTHERWISE NOTED IN PLANT SCHEDULE.
26. ALL PERENNIAL BEDS TO RECEIVE ROCK MULCH SHALL HAVE LANDSCAPE FABRIC INSTALLED WITH HOLES FOR PLANTS CUT 2.5 TIMES THE DIAMETER OF THE CONTAINER.
27. LANDSCAPE CONTRACTOR SHALL PROVIDE AND INSTALL NURSERY GROWN PLANT MATERIAL CONFORMING TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 STANDARDS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

GENERAL PLANT ESTABLISHMENT PERIOD NOTES:

1. THE REQUIRED WORK SHALL CONSIST OF CONTINUOUSLY CONDUCTING OPERATIONS AND MAINTENANCE FOR A WARRANTY PERIOD ESTABLISHED FOR 1 YEAR AFTER THE INSTALLATION HAS BEEN ACCEPTANCE BY THE OWNER. THE WORK INCLUDES:
   - 1.1. ESTABLISHMENT OF BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL, SODDED AND SEEDED AREAS
   - 1.2. INCLUDING PEST CONTROL, FERTILIZING AND FUNGICIDAL TREATMENTS
   - 1.3. REGULAR WATERING SCHEDULINGS FOR ALL PLANT MATERIAL, SOD AND SEEDING
   - 1.4. IRRIGATION SYSTEM OPERATION AND MAINTENANCE
   - 1.5. REMOVAL OF ALL WEEDS WITHIN THE PROJECT AREA BY METHODS AGREED BY THE OWNER (POST/PRE HERBICIDE TREATMENT, HAND OR MECHANICAL REMOVAL)
   - 1.6. MAINTENANCE OF MISCELLANEOUS ITEMS (EROSION CONTROL PRODUCTS, REPAIRS FROM EROSION)
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE REVIEW MEETINGS WITH THE OWNER DURING THE PLANT ESTABLISHMENT PERIOD TO IDENTIFY OPERATIONS AND MAINTENANCE TO BE EXECUTED MONTHLY.
3. PLANT MATERIAL DEEMED TO BE REPLACED AT THE END OF PLANT ESTABLISHMENT PERIOD SHALL BE EXECUTED WITHIN 2 WEEKS (14 DAYS) PRESENTING LESS THE FOLLOWING SURVIVORSHIP:
   - 3.1. BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL: 75%
   - 3.2. SODDED AREAS: 100% (0% BARE SOIL)
   - 3.3. SEEDED AREAS: 90% (<10% BARE SOIL)
4. REPLACEMENT PLANTS, SOD AND SEED SHALL BE OF THE SAME SPECIES AND SIZE AS ORIGINALLY SPECIFIED ON THE DRAWINGS, UNLESS THE OWNER DETERMINES THAT SUBSTITUTIONS OF ANOTHER SPECIES OR SIZE SHALL BE MADE.

GENERAL SODDING, SEEDING & TOPSOIL NOTES:

1. LANDSCAPE CONTRACTOR SHALL ENSURE THAT NEW TREES MOVED ONTO THE SITE ARE DUG FROM SIMILAR SITES WITH SIMILAR SOILS TO THE SOILS OF THIS PROJECT (HEAVY TO HEAVY, LIGHT TO LIGHT. HEAVY TO LIGHT SOILS). CONTRACTOR SHALL REVIEW SOIL CONDITIONS/TYPES WITH OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. ALL NEWLY INSTALLED PLANT MATERIAL SHALL BE PLANTED IN WELL-DRAINED AREAS. NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF ANY PLANT MATERIAL IS LOCATED IN DRAINAGE SWALES OR WET & POORLY DRAINED AREAS.
3. ALL PLANTINGS SHALL RECEIVE FERTILIZER AS FOLLOWS:
   - 3.1. SUMMER AND FALL PLANTING: 0-20-20 GRANULAR (IN SAUCER AROUND PLANT AT THE RATE OF 12 OZ. PER 2-3" CAL. TREE & 6 OZ. PER SHRUB).
   - 3.2. SPRING PLANTING: 10-10-10 GRANULAR (APPLY ABOVE REFERENCED FERTILIZER AT A RATE OF 12 OZ. PER 1-1/2" CAL. TREE OR LARGER & 6 OZ. PER SHRUB & PERENNIAL.
4. ALL PLANTINGS SHALL RECEIVE AN AMENDED SOIL MIX CONSISTING OF THREE (3) PARTS:
   - 4.1. 45% APPROVED TOPSOIL (ONE SITE PREFERRED)
   - 4.2. 45% ORGANIC MATTER (TYPE 1 SPHAGNUM PEAT MOSS FINELY DIVIDED WITH A PH OF 3.1 - 5.0.)
   - 4.3. 10% SAND (FINE CLEAN MASONRY SAND)
5. AREAS CONFINED TO A MASS PLANTING AREA (PLANTING BED) SHALL RECEIVE THE AMENDED SOIL MIX AT MIN. 12" DEPTH THROUGHOUT THE PLANTING AREA. AMENDED SOIL MIX SHALL BE MIXED THOROUGHLY AND INSTALLED IN 6" LIFTS.
6. AREAS TO RECEIVE SOD OR SEED SHALL HAVE A 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL SHALL PROVIDE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY CLUMPS, BRUSH WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONE LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
7. SOD SHALL BE 30" X 100' ROLLS WHERE APPLICABLE, TO BE LAID PARALLEL WITH THE CONTOURS AND HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR DRAINAGE SWALES, THE SOD SHALL BE STAKED INTO THE GROUND. SCARIFY THE EXISTING GRADES WITH FIELD CULTIVATOR PRIOR TO PLACING OF TOPSOIL AND FINISH GRADING FOR SOD. IMMEDIATELY PRIOR TO PLACING SOD, CONTRACTOR SHALL APPLY 10-6-4 FERTILIZER AT THE RATE OF 10 POUNDS PER 1000 SQ. FT.
8. ALL AREAS SPECIFIED AS 'WET DETENTION SEED MIX' TO BE SEEDED WITH WIDOT MIX 95B. BROAD CAST, DRILL AND/OR HYDROSEED AT A RATE OF 5.43 LBS./AC. WITH 2 TONS SHREDDED AND PUNCHED IN PLACE STRAW PER ACRE. SEED MIX SHALL BE ABLE TO WITHSTAND PERIODIC FLOODING.

GENERAL IRRIGATION NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL LOCAL UTILITY COMPANIES TO LOCATE EXACT LOCATIONS OF UNDERGROUND UTILITIES.
2. THE IRRIGATION SHALL BE A DESIGN/BUILD SYSTEM BY THE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATIONS AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE OWNER PRIOR TO ORDER AND/OR INSTALLATION.
3. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS ARE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN TURF AREAS SHALL BE VALVED SPEARATELY FROM SHRUB AND GROUND COVER AREAS. IT IS RECOMMENDED THAT FULL SUN AND SHADY AREAS TO BE VALVED SEPARATELY AS WELL AS HIGH RUN-OFF AND LOW RUN-OFF AREAS TO BE VALVED SEPARATELY.
4. CONFIRM LIMITS OF IRRIGATION, EXISTING AND FUTURE HARDSCAPE AND BUILDING LOCATIONS PRIOR TO THE DESIGN OF THE IRRIGATION SYSTEM.
5. CONTRACTOR SHALL VERIFY WATER SOURCE LOCATION AND PRESSURE AND SUPPLY A SYSTEM THAT PROVIDES FULL AND COMPLETE COVERAGE TO ALL AREAS TO BE IRRIGATED.
6. SYSTEM SHOULD BE DESIGNED TO OPERATE AT UP TO 300 GPM @ 90 PSI TO COMPLETE WATER SCHEDULES WITHIN 12-HOURS MAXIMUM.
7. RAIN SENSORS AND OTHER WATER SAVING TECHNOLOGIES SHALL BE INCLUDED WITHIN THE IRRIGATION DESIGN.
8. PROVIDE THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH THE APPROVED LAYOUT PLAN AND IDENTIFY ANY FIELD ADJUSTMENTS PRIOR TO PROJECT COMPLETION.
9. AVOID OVER-SPRAY ONTO ROADS, SIDEWALKS, SIGNS AND PARKING AREAS. SPRINKLER ARCS SHALL BE DETERMINED ON SITE BY THE IRRIGATION INSTALLER TO PROVIDE THE MAXIMUM COVERAGE POSSIBLE. CAREFULLY ADJUST THE ARCS AND RADIUS OF EACH SPRINKLER TO PROVIDE HEAD-TO-HEAD COVERAGE.
10. LOCATE VALVE BOXES AWAY FROM ROAD/CURB SO THEY ARE LESS VISUAL WHERE APPLICABLE.
11. DO NOT TRENCH THROUGH THE ROOT BALLS OF NEW PLANTINGS.
12. MAINLINE PIPING BENEATH TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 30-INCHES FROM BOTTOM OF ROAD SUB-GRADE AND CONTAIN SLEEVES NOT LESS THAN TWO NOMINAL DIMENSIONS GREATER THAT THE PIPE PASSING THROUGH.
13. IRRIGATION INSTALLER SHALL FURNISH AND INSTALL SLEEVE MATERIAL UNDER ALL ROADWAYS, WALKS AND DRIVEWAYS WHERE NECESSARY.
14. TOP OF MAINLINES SHALL BE AT LEAST 30-INCHES BELOW GRADE IN TURF AREAS.
15. TOP OF LATERAL LINES SHALL BE AT LEAST 18-INCHES BELOW GRADE.
16. MAINLINE PRESSURE PIPE FITTINGS 3-INCHES AND LARGER SHALL BE PUSH ON GASKET JOINED AND SHALL HAVE MECHANICAL JOINT RESTRAINTS. MAINLINE PRESSURE PIPE FITTINGS 2.5-INCHES AND SMALLER SHALL BE GLUED AND SHALL HAVE CONCRETE THRUST BLOCKS AT FITTINGS THAT COMPRISE CHANGE IN DIRECTION.
17. OTHERS SHALL FURNISH, INSTALL AND BRING 24-INCHES ABOVE GRADE A MUNICIPAL POTABLE STUB FOR IRRIGATION, COORDINATE WITH GENERAL CONTRACTOR.
18. INSTALLER IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE BACKFLOW PREVENTOR, WATER METER AND BOOSTER PUMP, IF APPLICABLE.
19. IRRIGATION CONTROL WIRE SHALL BE DIGITAL TWO-WIRE, UL LISTED FOR DIRECT BURIAL.
20. CONNECT ALL ELECTRICAL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES INCLUDING:
   - 20.1. ALL LOW VOLTAGE IRRIGATION CONTROL WIRE SHALL BE INSTALLED WITH THE MAINLINE PIPE WHERE POSSIBLE
   - 20.2. DO NOT LOOP THE LOW VOLTAGE IRRIGATION CONTROL WIRE PATH.
   - 20.3. SNAKE WIRE AT BOTTOM OF TRENCH BENEATH MAINLINE.
   - 20.4. PROVIDE 18-INCH OF SLACK CONTROL WIRE AT ALL CHANGES IN DIRECTION.
   - 20.5. PROVIDE 24-INCH OF SLACK CONTROL WIRE AT EACH REMOTE CONTROL VALVE COILED INSIDE VALVE BOX.
   - 20.6. ALL WIRE SPLICES SHALL BE WATERTIGHT CONNECTORS AND CONTAINED IN VALVE BOX.
   - 20.7. ALL WIRING BENEATH HARDSCAPES SHALL BE CONTAINED IN SLEEVING, SEPARATE FROM PIPING. ELECTRICAL SLEEVES ARE TO BE SIZED APPROPRIATELY FOR EASE OF WIRE INSTALLATION AND REPAIR.
   - 20.8. ALL WIRING SHALL BE IDENTIFIED AT EACH END TO PROVIDE INDICATION AS TO WHICH LOCATION THE WIRE IS CONNECTED.
   - 20.9. GROUNDING PER MANUFACTURER'S RECOMMENDATION OR LOCAL ELECTRICAL CODE.
21. SCHEDULE AND PROGRAM CONTROLLER AND VALVES FOR APPROPRIATE LANDSCAPE WATER REQUIREMENTS.

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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS
DATE NO.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 03/27/2026
REG. NO. DATE

ANDERSON
13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

RESTORATION NOTES

DRAWN BY: JS CHECKED BY: CC

L3

231139 - AE PROJ # 18994

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00 KEYED SITE PLAN NOTES

NO.	DESCRIPTION
1	ACCESSIBLE PARKING SPACE SIGN SHALL BE LOCATED CENTERED AT HEAD OF AISLE. MOUNTED ON 2" SQ. ALUMINUM PIPE STD. AND 40"-60" ABOVE ADJACENT PARKING SURFACE. MAX 8'-0" FROM CURB. SEE DETAIL.
2	PROVIDE UNDERGROUND PIPES FOR LAWN SPRINKLER - VERIFY WITH SPRINKLER CONTRACTOR FOR QUANTITY AND LOCATIONS.
3	6" DIA. PIPE BOLLARD. SEE SHEET A1.2 FOR DETAIL
4	FLAGPOLE. SEE SHEET A1.2 FOR BASE DETAIL
5	REINFORCED CONCRETE AT DRIVE-UP. SEE CIVIL
6	'DO NOT ENTER SIGNAGE', COORDINATE WITH SIGNAGE VENDOR
7	ROCK MULCH. SEE CIVIL / LANDSCAPE
8	PROVIDE ' NO PARKING' STRIPING, AS REQUIRED BY STATE CODE
9	ACCESSIBLE PEDESTRIAN RAMP. SEE CIVIL
10	4" CONCRETE SIDEWALK. SEE CIVIL
11	GAS METER, SEE MECHANICAL
12	MANHOLE COVER. SEE CIVIL
13	SURFACE MOUNTED BIKE RACK, FINALIZE EXACT LOCATION WITH OWNER
14	CT CABINET, SEE ELECTRICAL
15	NEW TRANSFORMER, SEE ELECTRICAL

SITE PLAN GENERAL NOTES:

1. ALL SITE GRADING TO BE DONE PER CIVIL DRAWINGS.
2. VERIFY & LOCATE ALL UNDERGROUND PHONE & UTILITY LINES PRIOR TO ANY EXCAVATION.
3. SEE CIVIL & MECH./ELEC. DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE UTILITIES.
4. BARRICADE OFF CONSTRUCTION AREA AS REQUIRED KEEP CONSTRUCTION AREA TO MINIMUM.
5. SLOPE SIDEWALKS & GRADE AWAY FROM BUILDING TYPICAL 1:20 MAX. SLOPE. SIDEWALK RAMP SLOPE IS 1:12 MAX. ACCESSIBLE PKG. & ACCESS AISLES ARE 1:48 MAX. SLOPE IN ANY DIRECTION.
6. MATCH NEW CONSTRUCTION WITH EXISTING WHEREVER NECESSARY (ie., CONC., CURBS, CONC. WALKS, PAVING, ETC.).
7. MATCH/TIE NEW GRADING INTO EXISTING GRADING.
8. CUT & PATCH EXISTING BITUMINOUS PAVING, CONC. CURBS & SIDEWALKS TO MATCH EXISTING.
9. ALL MECHANICAL & ELECTRICAL EXPOSED PIPING, GRILLES, CONDUITS, ETC. TO BE PAINTED.
10. PARKING STRIPES TO BE PAINTED 4" WIDE AT 5'-0" O.C. & 20'-0".
11. FURNISH & INSTALL POSTED HANDICAP SIGNS AS REQUIRED BY STATE CODE.
12. CONC. SIDEWALK WIDTHS TO BE 5'-0" WIDE w/CONTROL JOINTS @ 5'-0" SIM.
13. SEE CIVIL DRAWINGS AND EXHIBITS FOR ADDTIONAL/ SPECIFIC INFORMATION ON SITE PLAN

SITE PLAN SUMMARY:

ZONING:
MUNICIPAL ZONING APPLIES (NO CONDITIONS APPLY)

PARCEL AREA (17-30198-50):
0.84 ACRES +/-

MAIN LEVEL SQ. FT.	2,770 S.F.
DRIVE-UP CANOPY	555 S.F.

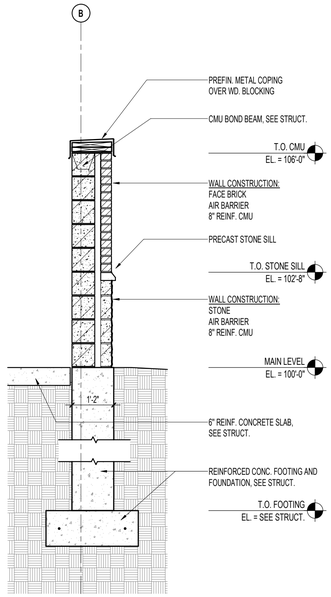
PARKING REQUIREMENTS:
MINIMUM PARKING STALL DIMENSIONS 20' X 9' (90 DEGREE PARKING)

EXISTING PARKING STALLS:	18
NEW PARKING STALLS:	17
ACCESSIBLE STALLS PROVIDED:	1

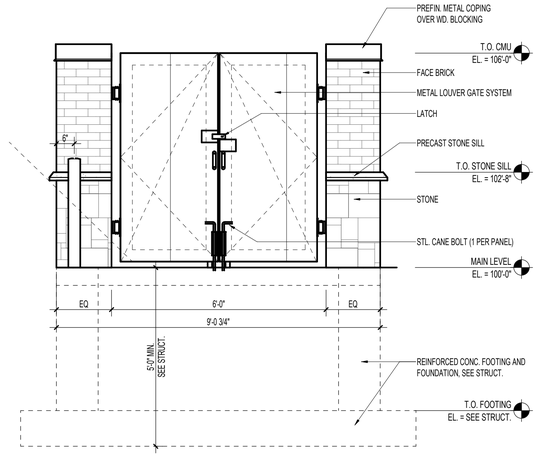
PROPOSED IMPERVIOUS	0.498 ACRES (21,686 S.F.)
PROPOSED GREEN SPACE	0.322 ACRES (14,036 S.F.)

SETBACKS:
MINIMUM SETBACK FOR PARKING STALLS AND DRIVES IS 5' FROM PROPERTY LINES.

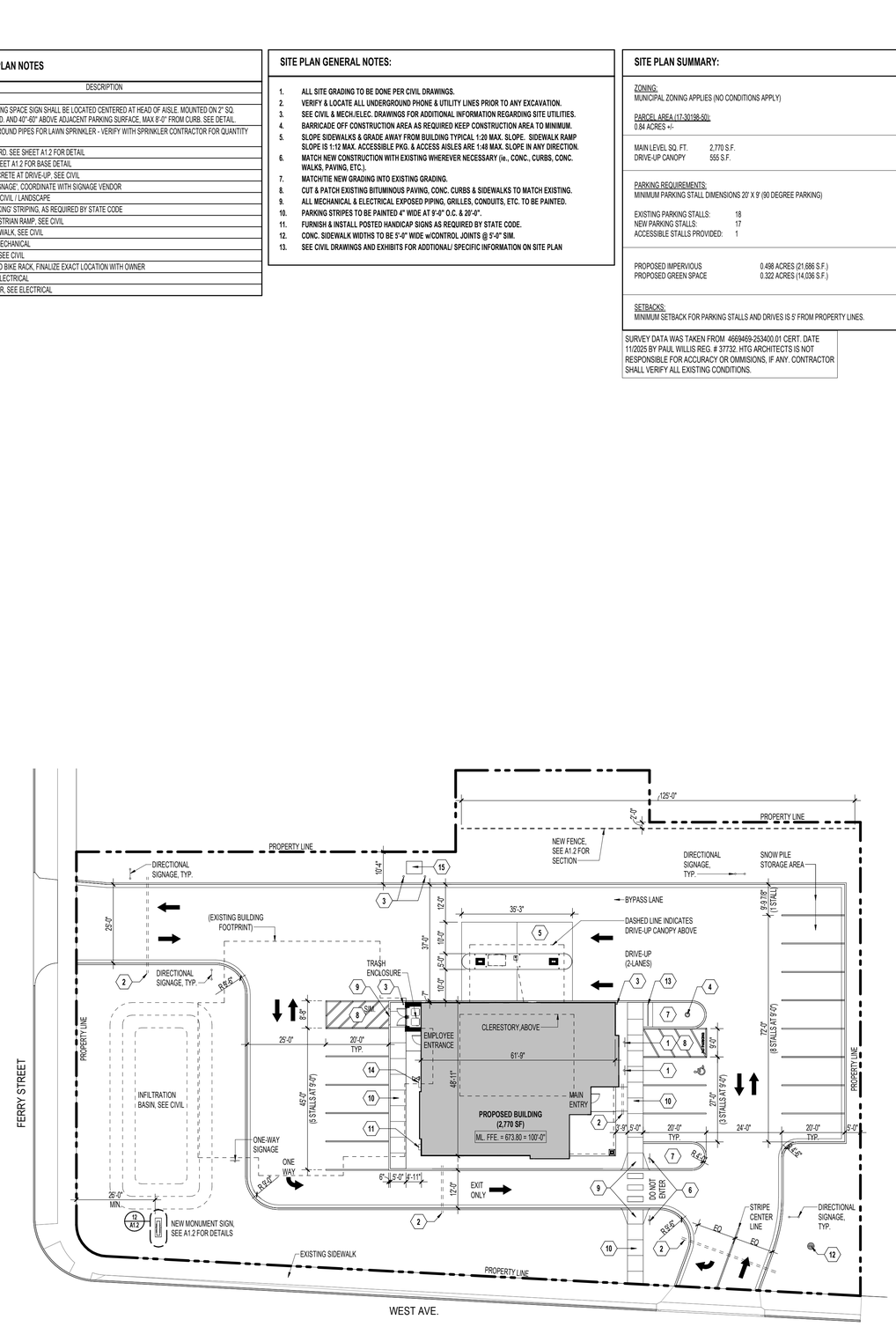
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3 A1.1 **WALL SECTION, TRASH ENCLOSURE**
1/2" = 1'-0"



2 A1.1 **ENLARGED TRASH ENCLOSURE ELEVATION**
1/2" = 1'-0"



1 A1.1 **SITE PLAN**
1" = 20'-0"

TRUE NORTH PLAN NORTH

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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	
DATE NO	

WISCONSIN SEAN RABOIN 12055 HOPKINS, MN REGISTERED ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

SITE PLAN

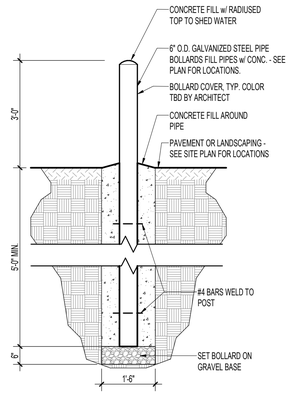
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A1.1

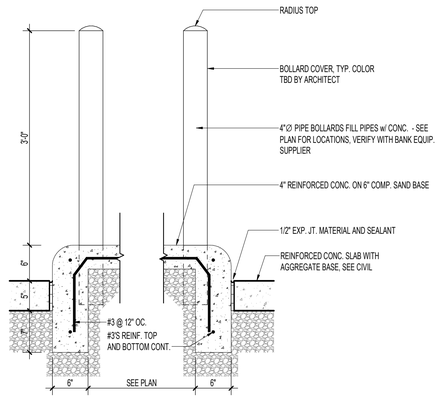
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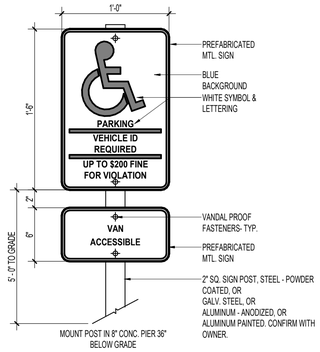
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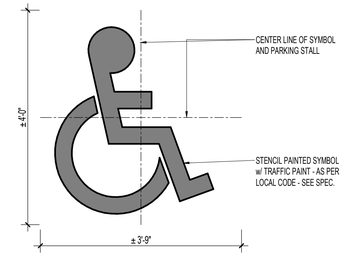
1 A1.2 **PIPE BOLLARD SECTION**
1/2" = 1'-0"



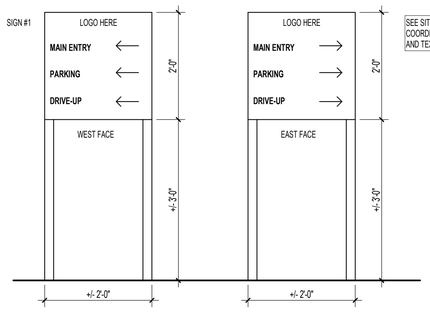
2 A1.2 **DRIVE UP ISLAND DETAIL**
1" = 1'-0"



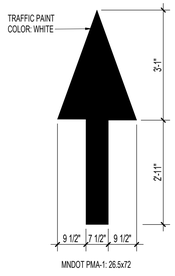
3 A1.2 **ACCESSIBLE PARKING SIGN DETAIL**
1 1/2" = 1'-0"



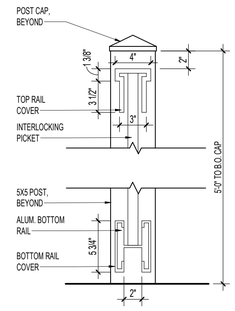
4 A1.2 **ACCESSIBLE PARKING SYMBOL**
3/4" = 1'-0"



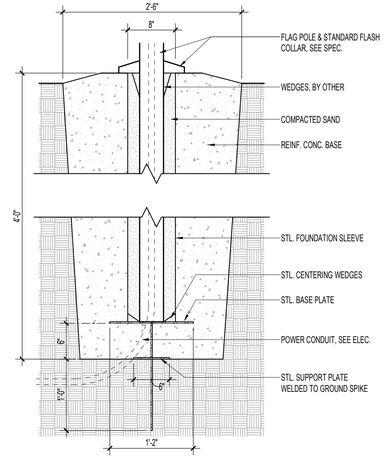
5 A1.2 **DIRECTIONAL SIGNAGE ELEVATIONS**
3/4" = 1'-0"



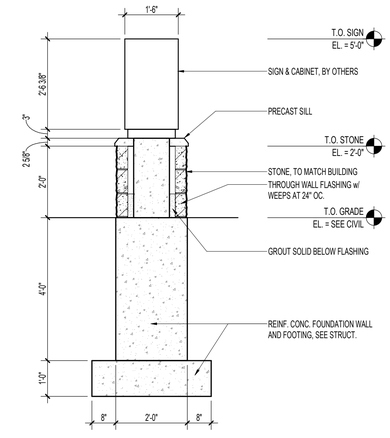
6 A1.2 **DIRECTIONAL ARROW**
1/2" = 1'-0"



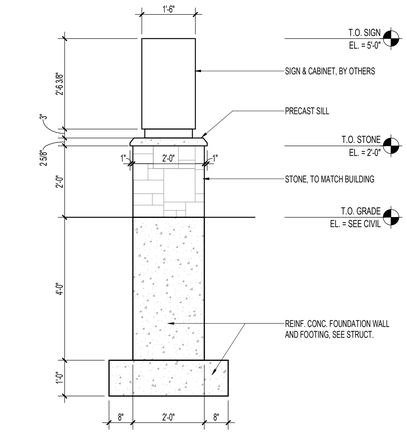
7 A1.2 **SECTION AT FENCE**
1 1/2" = 1'-0"



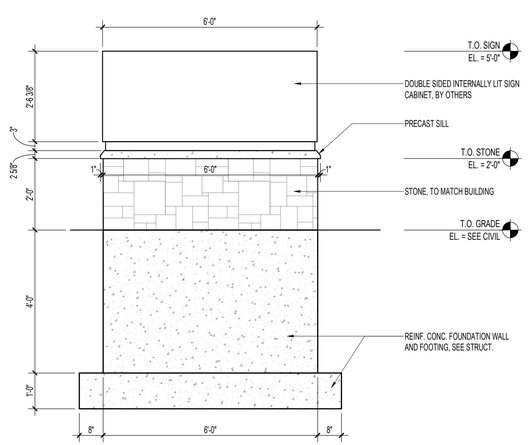
8 A1.2 **FLAG POLE BASE DETAIL**
1" = 1'-0"



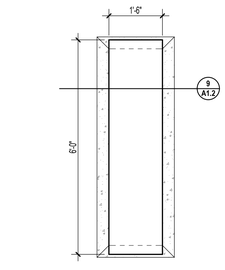
9 A1.2 **MONUMENT SIGN SECTION**
1/2" = 1'-0"



10 A1.2 **MONUMENT SIGN ELEVATION (SIDE)**
1/2" = 1'-0"



11 A1.2 **MONUMENT SIGN ELEVATION (FRONT)**
1/2" = 1'-0"



NOTE:
ALL FINAL DIMS. AND EXACT LOCATION TO BE COORDINATED WITH SIGNAGE VENDOR AND OWNER, PRIOR TO INSTALL.

12 A1.2 **MONUMENT SIGN PLAN**
1/2" = 1'-0"

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SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

SITE DETAILS

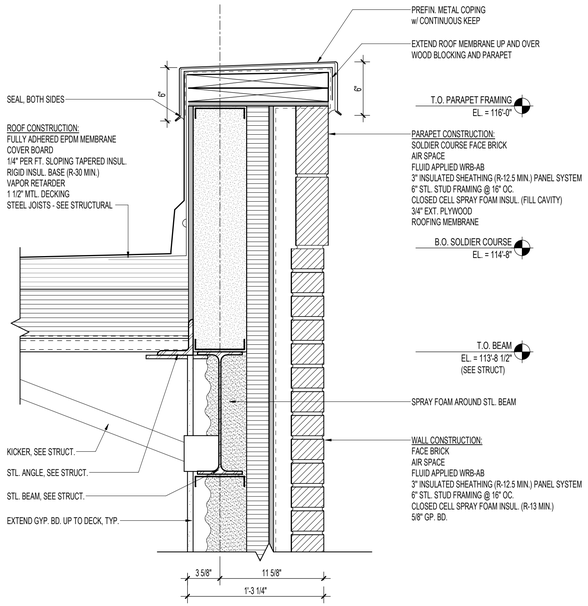
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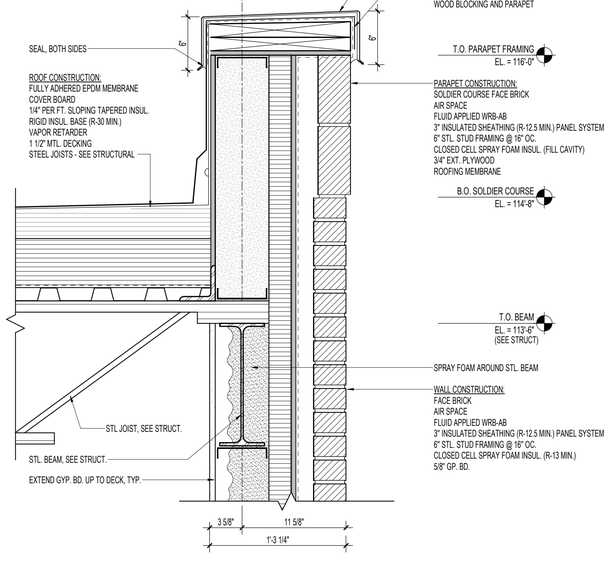
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2 / A1.3 **PARAPET DETAIL @ BRICK**
1 1/2" = 1'-0"



3 / A1.3 **PARAPET DETAIL @ BRICK, TYP.**
1 1/2" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF ALL ROOF PENETRATIONS TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
2. VERIFY EXACT LOCATIONS OF ROOFTOP CURBS WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
3. INSTALL RIGID INSULATION CRICKETS AT HIGH SIDE OF ALL RTU'S AND ROOF HATCH. SLOPE 1/4" PER FOOT.
4. PROVIDE PIPE FLASHINGS, CONDUIT FLASHINGS, AND MANUFACTURED GAS PIPING SUPPORTS AS REQUIRED. REFER TO TYPICAL DETAILS ON A1.3 AND MANUFACTURES DETAILS TO MEET WARRANTY OF ROOF.
5. PROVIDE STRUCTURAL FRAMING AT ALL ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS.
6. CONTRACTOR SHALL KEEP ROOF CLEAN OF ALL DEBRIS DURING ALL CONSTRUCTION WORK.
7. REFER TO DESIGN/BUILD PLUMBING DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS REQUIRING ROOF FLASHING WORK. ALL ROOF PENETRATIONS FOR MINOR ROOF VENTS AND SIMILAR ITEMS MAY NOT BE INDICATED ON THIS ROOF PLAN: HOWEVER, ALL ROOF FLASHING WORK SHALL BE PROVIDED BY THE ROOFING SUBCONTRACTOR SO AS TO OBTAIN OR MAINTAIN NEW ROOFING WARRANTIES.

MAIN BUILDING ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

DRIVE-UP CANOPY ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

CLERESTORY ROOF -
FULLY ADHERED EPDM MEMBRANE
1/2" COVER BOARD
1/4" PER FT. SLOPING TAPERED INSUL.
5 1/2" RIGID INSUL. BASE (R-30 MIN.)
VAPOR RETARDER
1 1/2" MTL. DECKING
STEEL JOISTS - SEE STRUCTURAL

MISCELLAENEOUS NOTES -
FULLY ADHERE EPDM. TO ALL PARAPETS- TYPICAL.

EPDM. TO BE ADHERED & MECH. FASTENED TO DECK (SEE SPEC.)

SEE MECHANICAL FOR EXACT QUANTITIES & LOCATIONS OF ROOF & OVERFLOW DRAINS.

INSTALL CRICKETS AS REQ'D. FOR PROPER ROOF DRAINAGE.

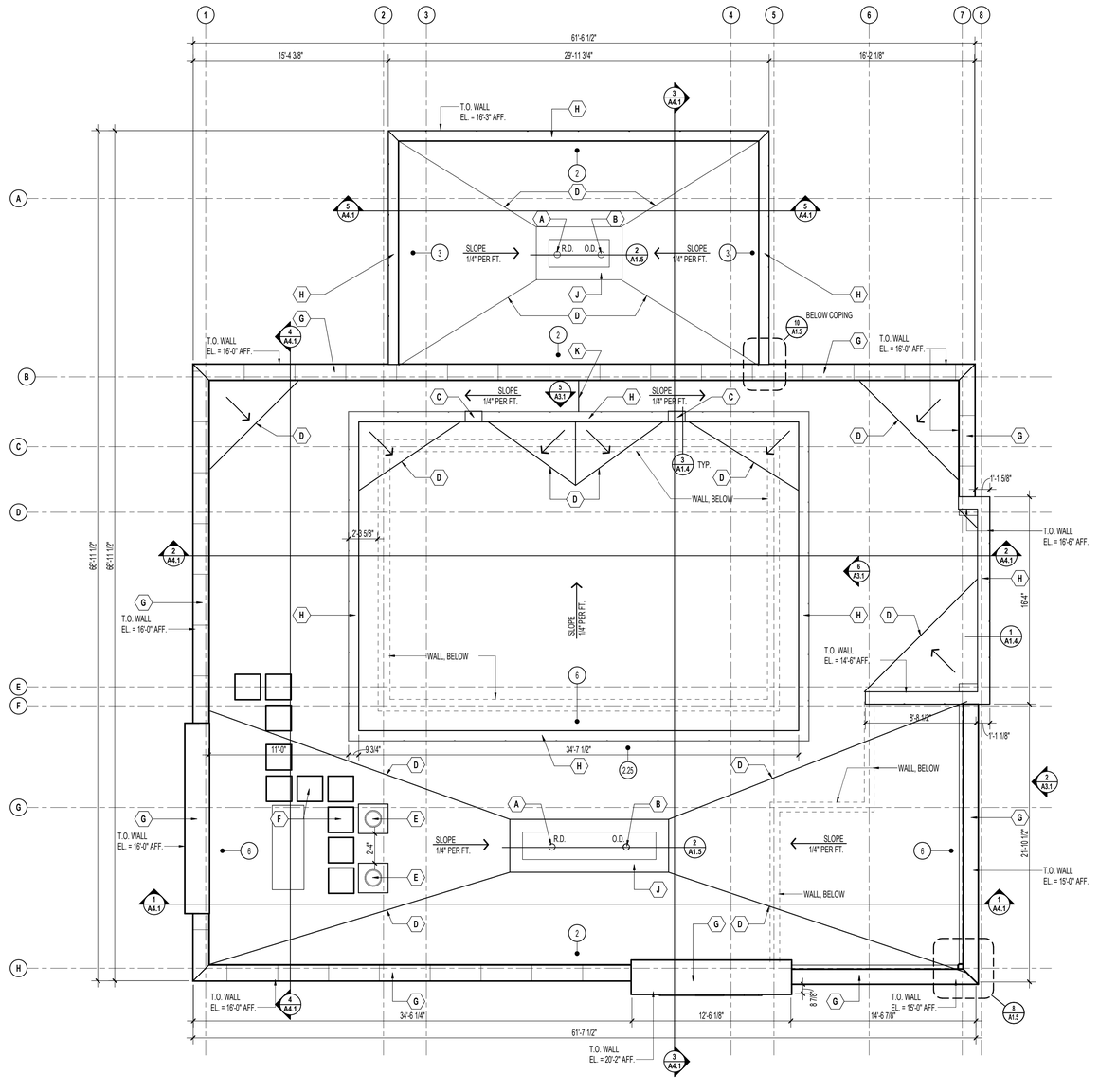
5.5 THICKNESS (IN INCHES) OF TAPERED INSULATION.

R.D. ROOF DRAIN (SEE MECH.)

O.D. OVERFLOW ROOF DRAIN (SEE MECH.) OVERFLOW DRAIN TO BE MAX. 2" ABOVE ROOF DRAIN.

00 KEYED ROOF PLAN NOTES

NO.	DESCRIPTION
A	ROOF DRAIN PER ROOF DETAILS, SEE MECHANICAL
B	OVERFLOW DRAIN PER ROOF DETAILS, SEE MECHANICAL
C	THRU-WALL SCUPPER PER ROOF DETAILS, SEE EXTERIOR ELEVATIONS
D	ROOF CRICKET, TYP.
E	RTU ON INSULATED EQUIPMENT CURB PER ROOF DETAILS - SEE MECHANICAL
F	24" x 24" WALKWAY PAVERS
G	PREFINISHED SHEET METAL PARAPET CAP, SEE DETAILS
H	PREFINISHED METAL PANEL PARAPET, SEE DETAILS
J	12" REDUCER STRIP, TYP.
K	PEAK OF TAPERED INSUL.



1 / A1.3 **ROOF PLAN**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

HTG architects
www.htg-architects.com
Minneapolis Bismarck
1010 Mainstreet, Suite 100
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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	
DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 — Reg No.
03/27/2026 — Date

ROOF PLAN & ROOF DETAILS

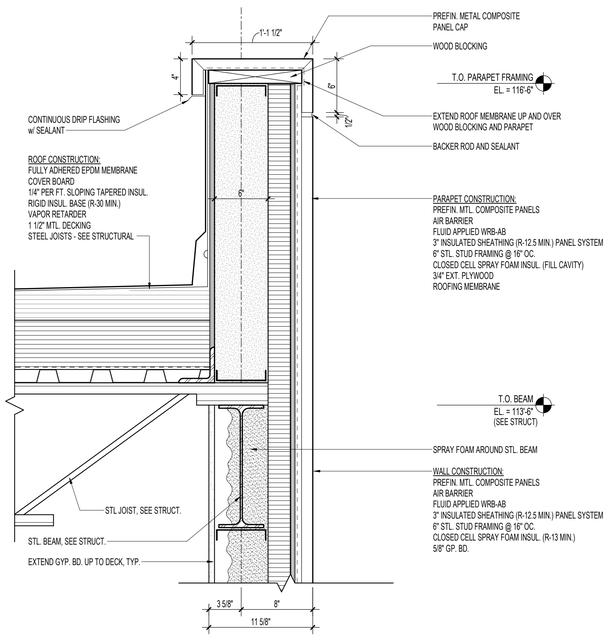
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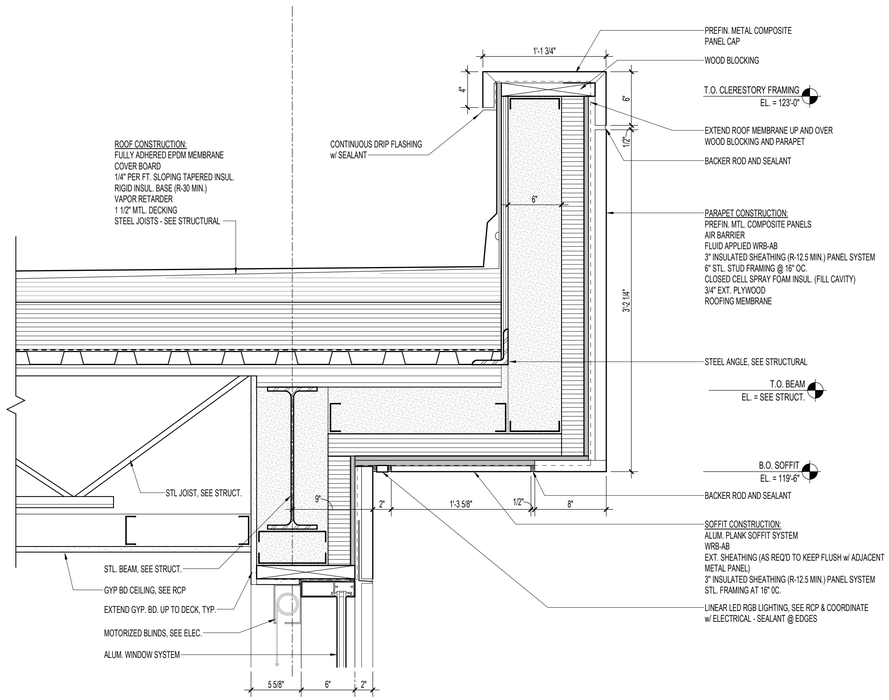
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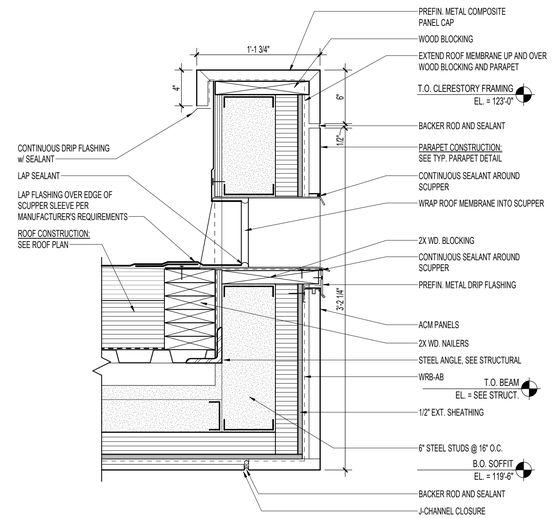
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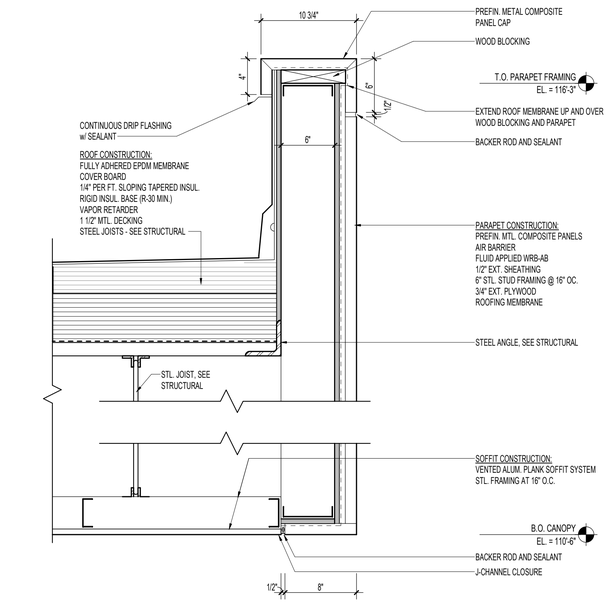
1 A1.4 **PARAPET DETAIL @ METAL PANEL CAP**
1 1/2" = 1'-0"



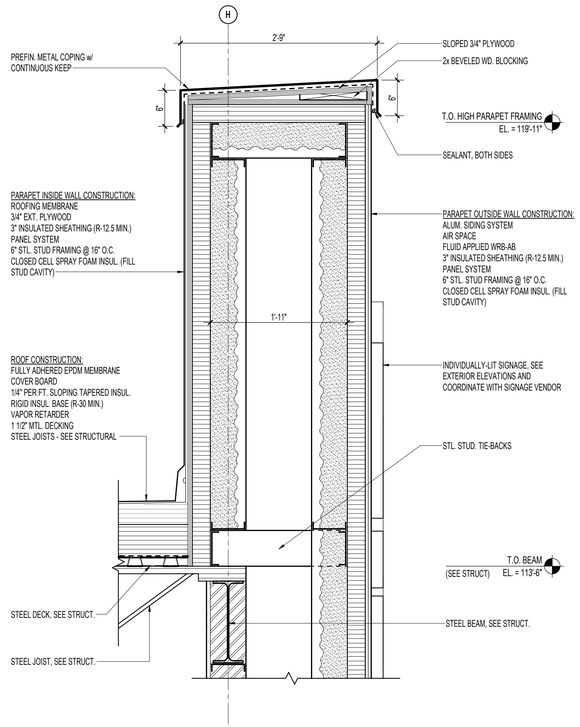
2 A1.4 **PARAPET DETAIL @ CLERESTORY**
1 1/2" = 1'-0"



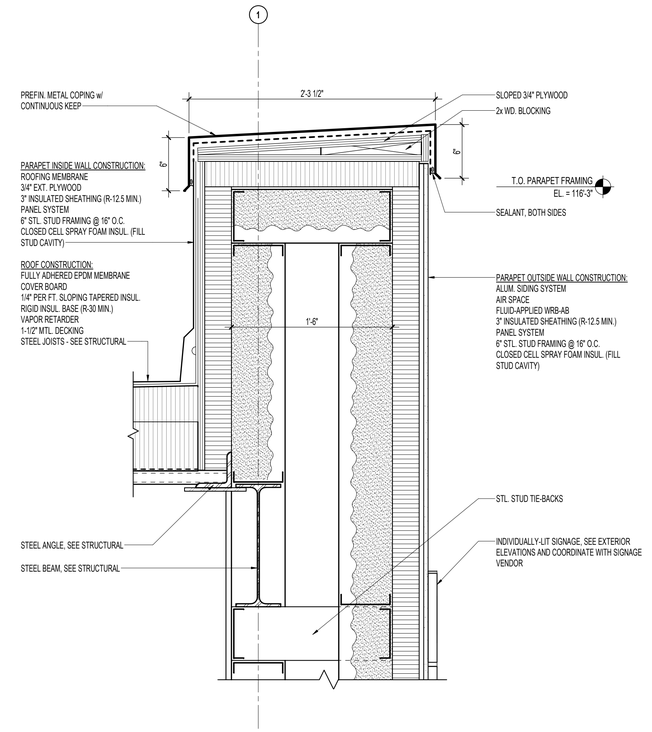
3 A1.4 **SCUPPER DETAIL @ CLERESTORY PARAPET**
1 1/2" = 1'-0"



4 A1.4 **PARAPET DETAIL @ DRIVE-THRU CANOPY**
1 1/2" = 1'-0"



5 A1.4 **PARAPET DETAIL @ SIGN WALL**
1" = 1'-0"



6 A1.4 **PARAPET DETAIL @ LOW SIGN WALL**
1 1/2" = 1'-0"

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SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

ROOF DETAILS

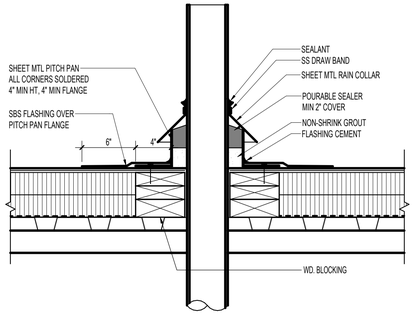
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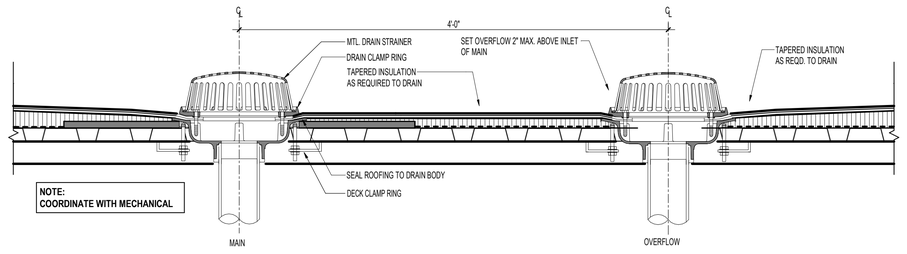
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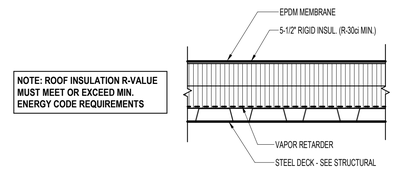
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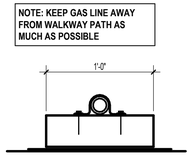
1 A1.5 **TYPICAL ROOF PENETRATION DETAIL**
1 1/2" = 1'-0"



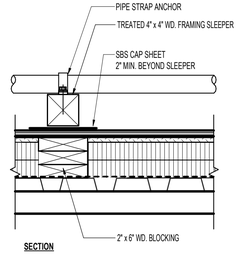
2 A1.5 **ROOF DRAIN AND OVERFLOW DRAIN DETAIL**
1 1/2" = 1'-0"



3 A1.5 **TYPICAL BUILDING ROOF DETAIL**
1 1/2" = 1'-0"

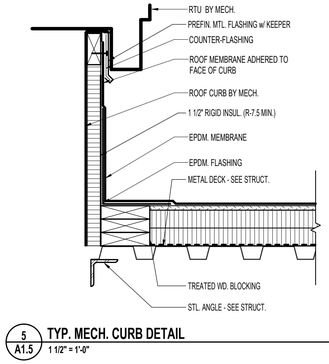


ELEVATION

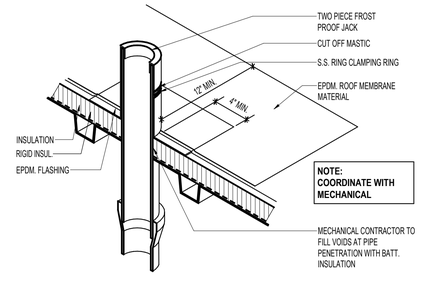


SECTION

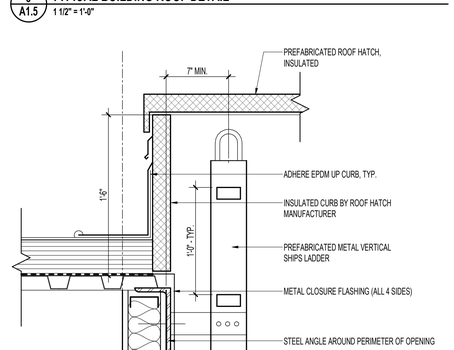
4 A1.5 **PIPE SUPPORT DETAIL**
1 1/2" = 1'-0"



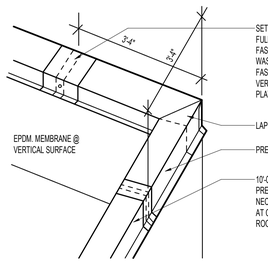
5 A1.5 **TYP. MECH. CURB DETAIL**
1 1/2" = 1'-0"



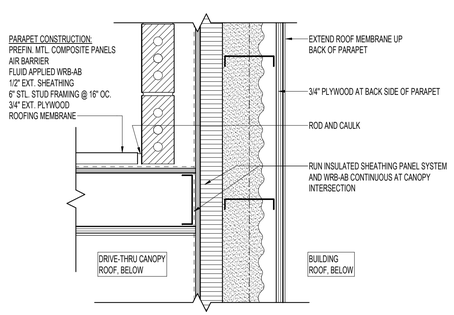
6 A1.5 **PLUMBING VENT FLASHING DETAIL**
1 1/2" = 1'-0"



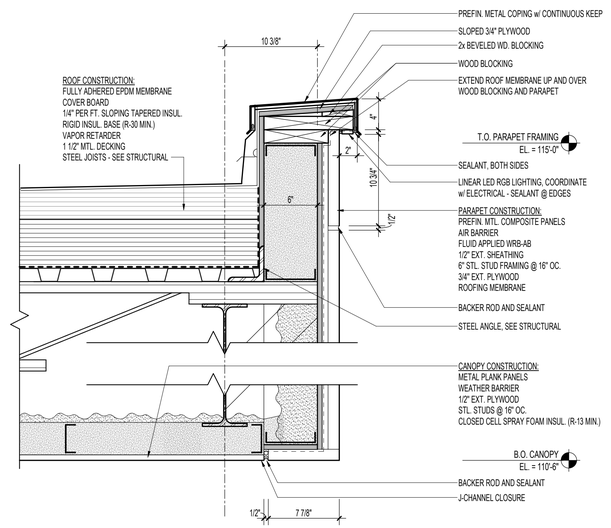
7 A1.5 **ROOF HATCH DETAIL**
1 1/2" = 1'-0"



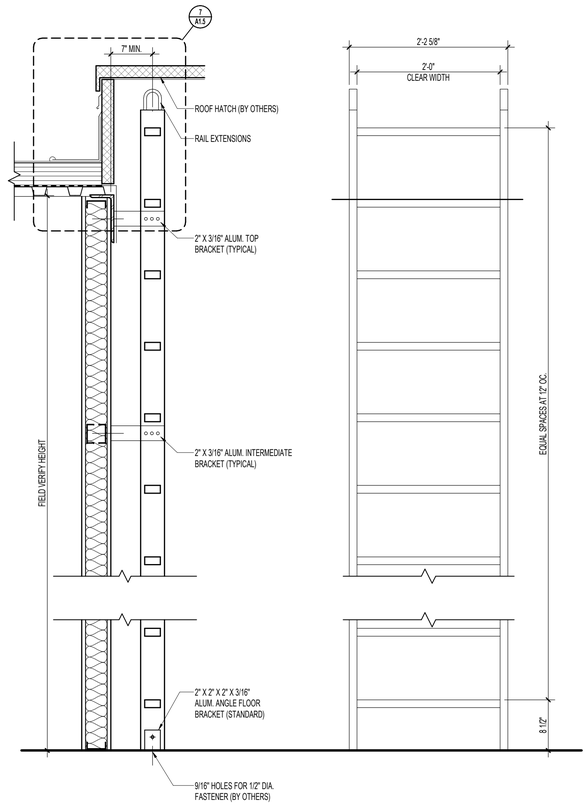
8 A1.5 **CAP FLASHING ISOMETRIC**
1 1/2" = 1'-0"



10 A1.5 **PLAN DETAIL @ CANOPY/BUILDING INTERSECTION**
1 1/2" = 1'-0"



9 A1.5 **PARAPET DETAIL @ ENTRY CANOPY**
1 1/2" = 1'-0"



11 A1.5 **VERTICAL SHIPS LADDER SECTION AND ELEVATION**
1" = 1'-0"

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12055 03/27/2026
Reg No. Date

ROOF DETAILS

Drawn By: Author Checked By: Checker

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MAIN LEVEL DOOR SCHEDULE

SEE 1/A7.1 - 2/A7.1 AND 3/A7.1 - 10/A7.1 FOR DOOR AND FRAME ELEVATIONS

DOOR#	DOOR OPENING SIZE	DOOR		FRAME		RATING	HARDWARE GROUP	NOTES
		PANEL 1 WIDTH	MATL/ TYPE	MATL/ TYPE	DETAIL			
101	3'-0"x7'-0"x1 3/4"	3'-0"	AL-FGe	--			07	1, 2
102	3'-0"x7'-0"x1 3/4"	3'-0"	AL-FGi	--			06	1, 2
106	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			04	
108	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			01	
109	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			01	
110	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-3			01	
111	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-2			01	
112	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-3			01	
113	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-2			01	
114	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			03	
115	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4
116A	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			04	
116B	3'-0"x7'-0"x1 3/4"	3'-0"	HM-Fe	HM-1			05	
119	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4
120	3'-0"x7'-0"x1 3/4"	3'-0"	WD-Fi	HM-1			02	3, 4

1. AUTOMATIC HCP. DOOR OPENER.
2. ELECTRIC LOCK (BY G.C.) & CARD READER/FOB. (DEVICE BY OTHERS).
3. COAT HOOK.
4. MORTISE PRIVACY INDICATOR

TOILET ROOM KEY:

ADA WC	ACCESSIBLE WATER CLOSET
CT	CERAMIC TILE
EWCB	ELECTRIC WATER COOLER w/ BOTTLE FILLER
FD	FLOOR DRAIN
GB	GRAB BAR
MR	MIRROR
PH	PURSE HOOK
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TPH	TOILET PAPER HOLDER

TOILET ROOM NOTES:

1. DO NOT SLOPE FLOOR TO DRAIN. VERIFY FLOOR DRAIN LOCATION w/ MECH.
2. BOTTOM OF MIRROR TO BE 38" A.F.F.
3. PROVIDE GRAB BARS @ 42" ON SIDE WALL 36" ON BACK WALL & 18" VERT. BAR. SEE ELEVATIONS FOR LOCATIONS.
4. TOP OF LAVATORY TO BE MAX. 34" A.F.F.
5. SOUND INSULATE WALLS & SOUND BATT. ON ACT.
6. MAINTAIN 18" CLEAR AT STRIKE SIDE OF ALL TOILET COMPARTMENT DOORS - TYP.
7. SEE FINISH PLANS ON F1 FOR ADDITIONAL INFORMATION.
8. CAULK JOINT AROUND PLUMBING FIXTURES & MIRROR - TYP.
9. EPOXY PAINTED WALLS AT LOCATIONS WITHOUT C.T.

A BANK EQUIPMENT KEYED LIST

BANK EQUIPMENT KEYED LIST (N.I.C. PROVIDED AND INSTALLED BY OWNER'S EQUIPMENT VENDOR. GC TO COORDINATE OPENING HEIGHTS, SIZES, AND POWER/DATA REQUIREMENTS)

NO.	DESCRIPTION
A	TELLER CASH RECYCLER (TCR). SEE MILLWORK DETAILS
B	SELF SERVICE COIN COUNTER (CC). SEE DETAIL THIS SHEET
C	ELECTRIC DEAL DRAWER (DD). SEE MILLWORK DETAILS
D	3'-0"H. x 10'-0"L. BULLET-RESISTANT (BR) WINDOW & FRAME FINISHED TO MATCH STOREFRONT FRAMES. SEE FRAME TYPES
E	PNEUMATIC REMOTE DRIVE-UP KIOSK, UPSEND TYPE
F	PNEUMATIC TUBES ABOVE W/ 20" MIN. CENTERLINE RADIUS CORNERS
G	PNEUMATIC OPERATOR UNIT, INSTALL CENTERED ON BR WINDOW UNIT U.N.O.
H	THRU-WALL NIGHT DEPOSITORY (ND) HEAD AND CHEST WITH 1" STEEL SURROUND. SEE DETAIL THIS SHEET
J	FREESTANDING DRIVE-UP INTERACTIVE TELLER MACHINE (ITM)
M	STEEL VAULT DOOR 180 DEG. SWING WITH FLOOR/ WALL STOP
N	SERVER/ IT RACK (ROOM 106) - SEE ELEC.
O	FREESTANDING PRINTER/ COPIER
P	PRINTER W CABINETRY

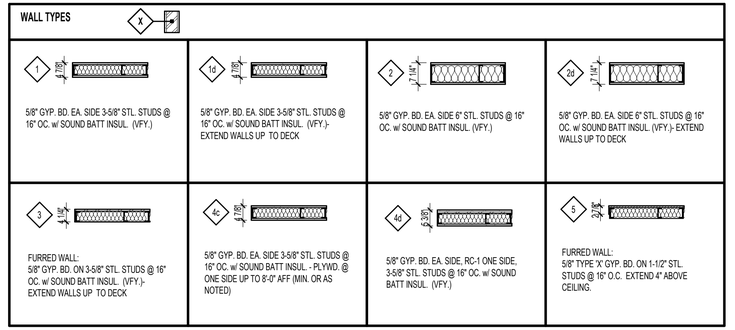
00 KEYED PLAN NOTES

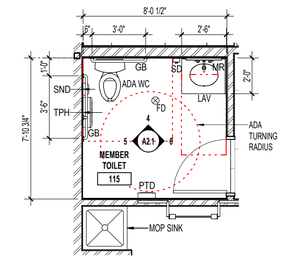
NO.	DESCRIPTION
2	FLOOR MOUNTED JANITORS SINK w/ FRP ON WALL (2) SIDES 2'-6" WIDE x 4'-0" HIGH SEE MECHANICAL DRAWINGS FOR SINK CONNECTIONS & SIZES
3	34" WIDE - WALL MTD. MOP HANGER & SHELF. PROVIDE PLYWOOD BLOCKING. SEE SPEC. FOR MORE INFORMATION
4	STEEL ROOF LADDER FOR ROOF ACCESS - SEE DETAIL _____
6	SEMI-RECESSED ELECTRIC FIRE PLACE- SEE SPECS.
7	TV AND MOUNTING BRACKET - BY OWNER. GC TO INSTALL AND PROVIDE PLYWOOD BACKING AS REQUIRED
8	WATER SOFTENER - SEE MECHANICAL DRAWINGS
9	WATER HEATER - SEE MECHANICAL DRAWINGS
10	ELECTRIC WATER COOLER WITH BOTTLE FILLER - SEE MECHANICAL DRAWINGS
11	ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS

GENERAL NOTES:

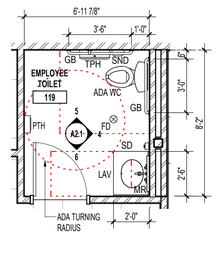
1. CONTACT ARCHITECT IMMEDIATELY IF CONFLICTS ARISE w/ INSTALLATION OF ACCESSORIES & EQUIPMENT. NO CHANGES ACCEPTABLE UNLESS SHOWN ON PLAN OR APPROVED BY ARCHITECT.
2. MOUNT FIRE EXTINGUISHER CABINETS @ 5'-0" A.F.F. TO TOP OF CABINET. FINAL LOCATIONS TO BE VERIFIED BY LOCAL FIRE CHIEF.
3. GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR WALL-HUNG ITEMS (CABINETS, SHELVING, COUNTERTOPS, ... etc.)
4. ALL MECHANICAL, ELECTRICAL AND PLUMBING BY DESIGN BUILD CONTRACTOR.
5. ALL STOOP SLABS AND APRONS TO BE POURED WITH SIDEWALK TO MATCH FINISH, TOOLING, & JOINTS
6. ACT CEILING TO BE CENTERED IN EACH TOILET ROOM. U.N.O.
7. FUR OUT WALLS AROUND ROOF DRAIN RAIN WATER LEADER (RD. RWL.) & OVERFLOW ROOF DRAIN RAIN WATER LEADER (OD. RWL.) w/ 5/8" GYP. BD. ON 2 1/2" STL. STUDS- VFY. LOCATIONS w/ MECH.
8. INTERIOR COLUMNS TO BE FINISHED w/ 5/8" GYP. BD. ON 7/8" STL. FURRING CHANNELS w/ MTL. J-BEADS @ EACH CORNER- SEE ENLARGED DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL COLUMN SIZES.
9. DOORS WITH MARKING "CR" INDICATE THE SIDE OF THE DOOR TO RECEIVE SECURE ACCESS CREDENTIAL READER - SEE DOOR SCHEDULE
10. INTERIOR PARTITIONS SHALL BE 3-5/8" STL. STUDS @ 16" O.C. w/ 5/8" GYP. BD. ON EA. SIDE EXTENDED 4" ABOVE CEILING-UNLESS NOTED OTHERWISE. SEE WALL TYPES ON THIS SHEET_____
11. ALL INTERIOR WALLS DIMENSIONED TO GYP. BD. FINISH FACE U.N.O.
12. ALL OFFICES, BOARD ROOM, BREAK ROOM, AND COMMUNITY ROOM WALLS TO EXTEND TO DECK WITH SOUND BATT INSULATION
13. INSTALL ALL DOOR FRAMES 3" OFFSET FROM ADJACENT WALL FINISH FACES UNLESS NOTED OTHERWISE
14. FURNITURE BY OWNER SHOWN WITH DASHED LINEWORK

WALL TYPES

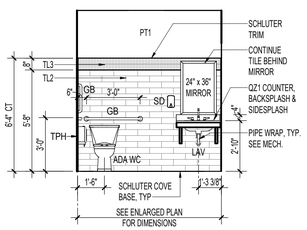




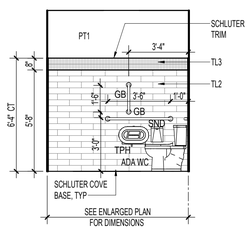
2 A2.1 ENLARGED TOILET PLAN - MEMBERS
1/4" = 1'-0"



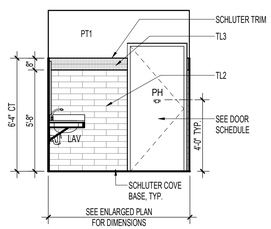
3 A2.1 ENLARGED TOILET PLAN - EMPLOYEES
1/4" = 1'-0"



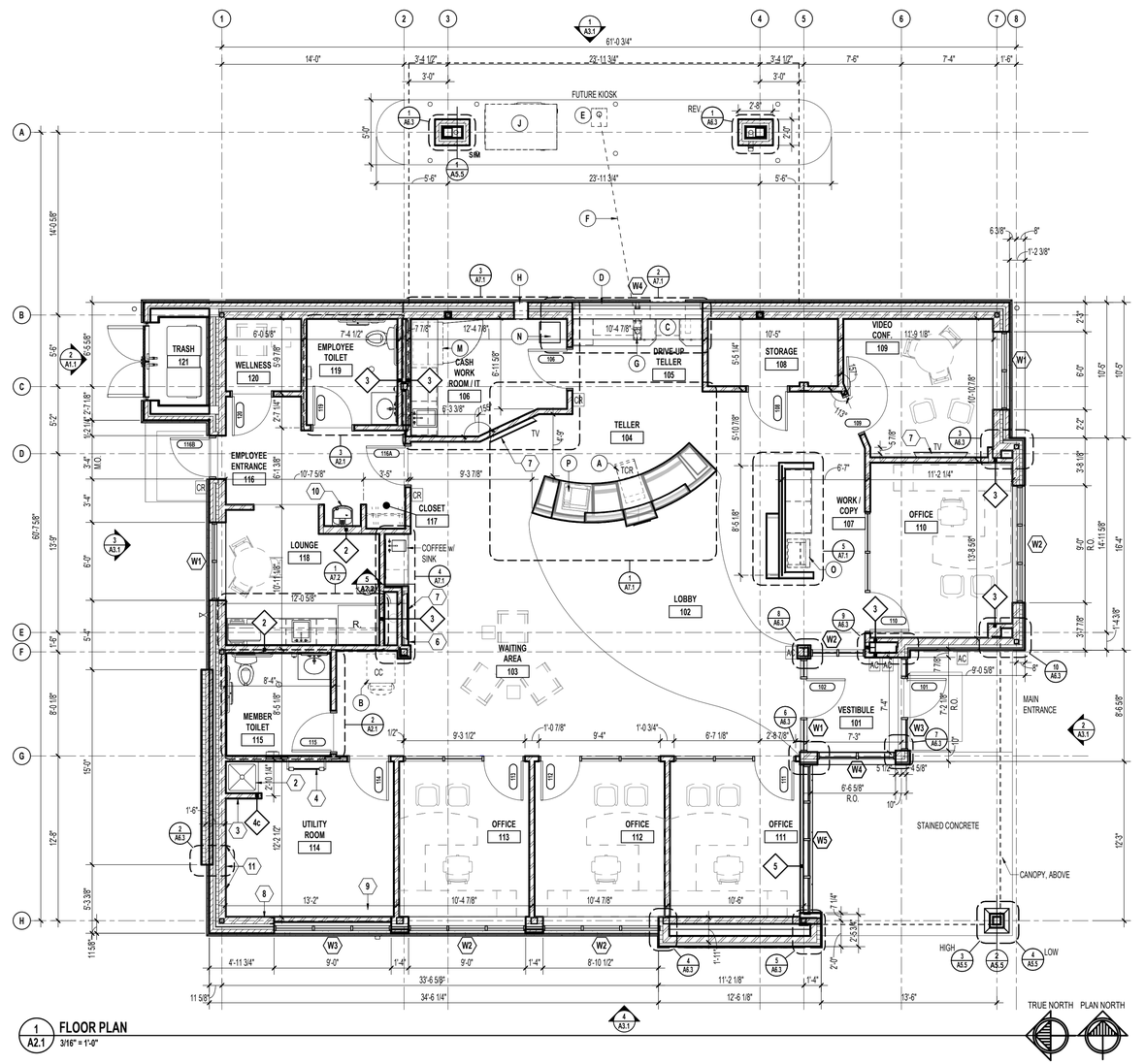
4 A2.1 TOILET ROOM ELEVATION - PLUMBING
1/4" = 1'-0"



5 A2.1 TOILET ROOM ELEVATION - GRAB BARS
1/4" = 1'-0"



6 A2.1 TOILET ROOM ELEVATION - ENTRY
1/4" = 1'-0"



1 A2.1 FLOOR PLAN
3/16" = 1'-0"

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FLOOR PLAN, SCHEDULES, AND ENLARGED TOILET PLANS

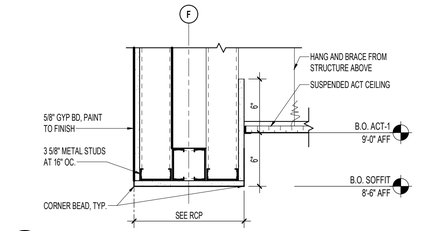
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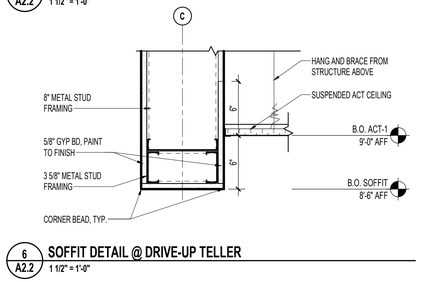
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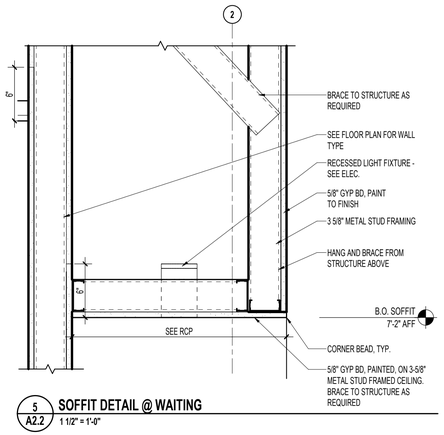
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4 A2.2 **SOFFIT DETAIL**
1 1/2" = 1'-0"



6 A2.2 **SOFFIT DETAIL @ DRIVE-UP TELLER**
1 1/2" = 1'-0"



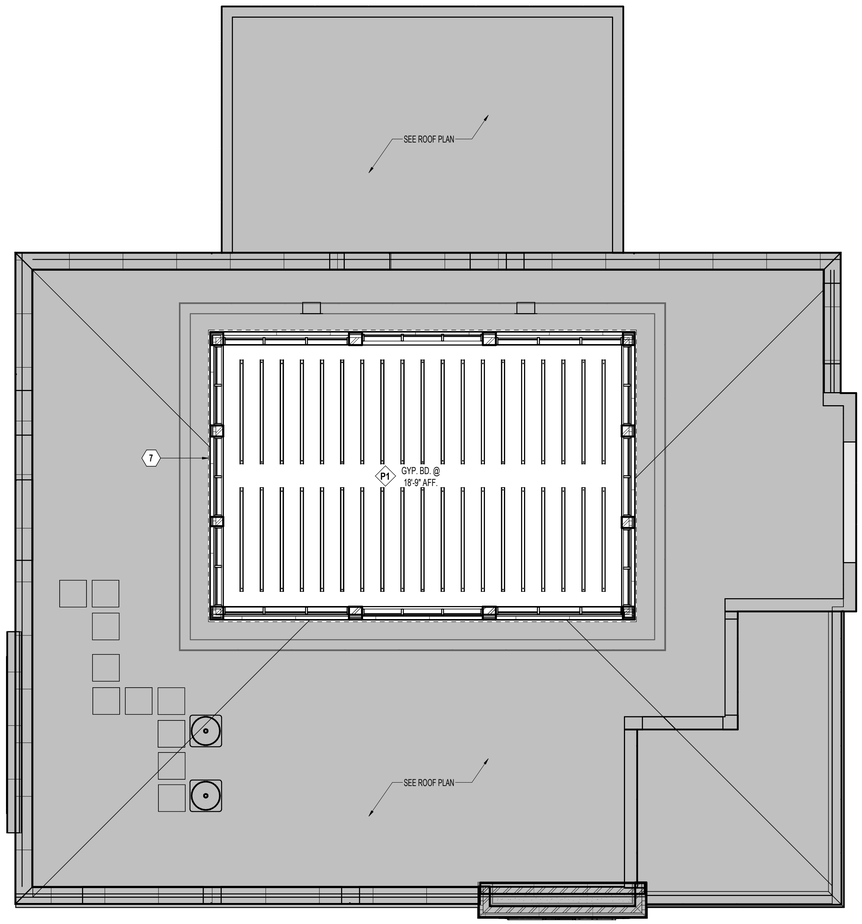
5 A2.2 **SOFFIT DETAIL @ WAITING**
1 1/2" = 1'-0"

00 KEYED CEILING PLAN NOTES

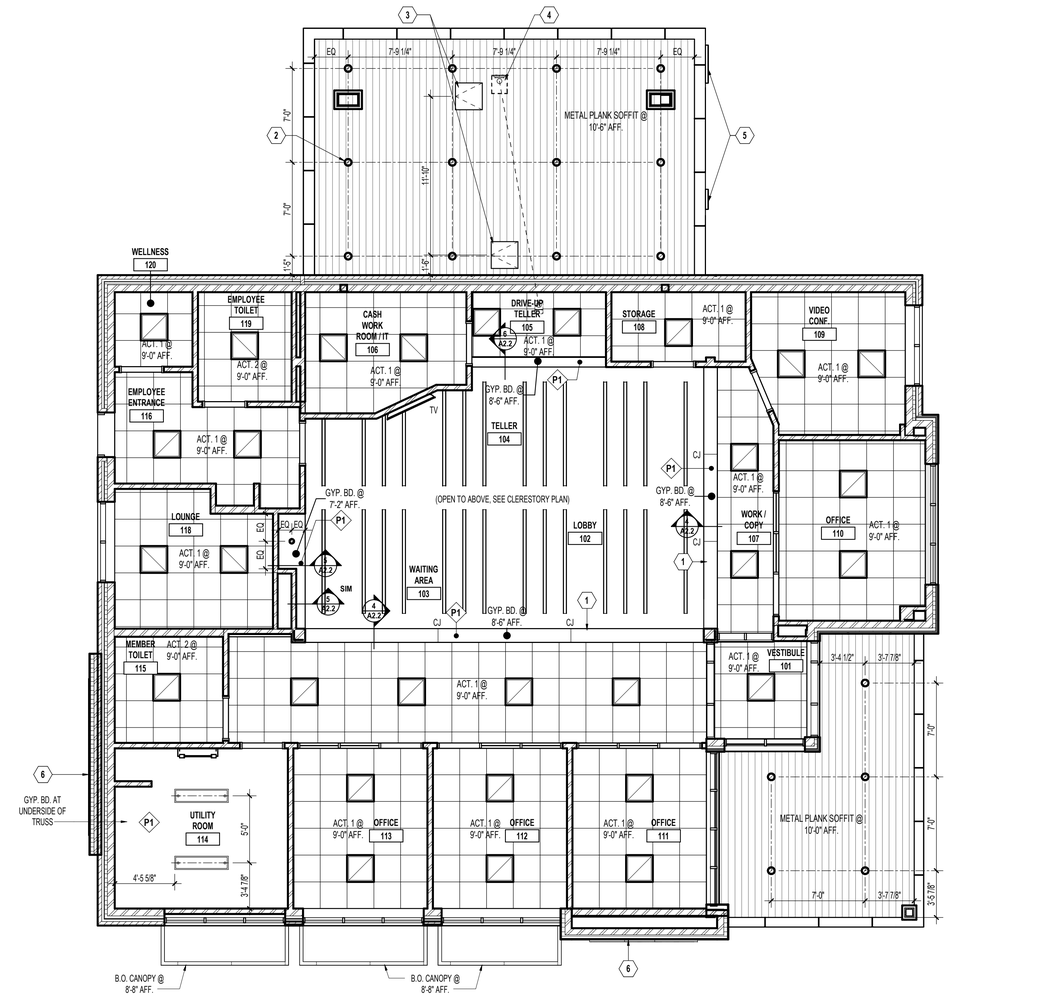
NO.	DESCRIPTION
1	CONTROL JOINTS TO BE EVENLY SPACED BETWEEN COLUMNS AND RUN VERTICALLY TO CLERESTORY ABOVE
2	COORDINATE LIGHT FIXTURE LOCATIONS WITH ELECTRICAL AND BANK EQUIP. SUPPLIER
3	2'X2' ACCESS PANEL, COORDINATE WITH BANK EQUIP. SUPPLIER
4	FUTURE PNEUMATIC TUBE LOCATION, COORDINATE WITH BANK EQUIP. SUPPLIER AND ELECTRICAL
5	LANE LIGHTS, SEE ELECTRICAL (2-THUS)
6	EXTERIOR BACKLIT SIGN. SEE ELEVATIONS. COORDINATE WITH ELECTRICAL AND SIGN VENDOR.
7	DASHED LINE INDICATES LINEAR LIGHTING AT B.O. CLERESTORY CANOPY, COORDINATE WITH ELECTRICAL (ALL FOUR SIDES)

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING SOFFIT w/ PAINT FINISH - SEE SPEC...
- ACT. 1 - 2'X2' SUSPENDED CEILING GRID w/ 2'x2' PAINTED MINERAL FIBER PANELS
- 8" VENTED PREFINISHED FLUSH LINEAR METAL CEILING SYSTEM
- 2'X2' RECESSED FLUORESCENT LT. FIXTURE
- RECESSED DOWNLIGHT LIGHT FIXTURE
- SURFACE MOUNTED UTILITY LIGHT FIXTURE
- EXIT LIGHT - SINGLE-SIDED
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING RETURN - SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- JUNCTION BOX, CEILING MOUNTED
- CEILING MOUNTED FOURPLEX RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTABLE



3 A2.2 **CLERESTORY RCP**
3/16" = 1'-0"



1 A2.2 **MAIN LEVEL RCP**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

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MAIN LEVEL REFLECTED CEILING PLAN

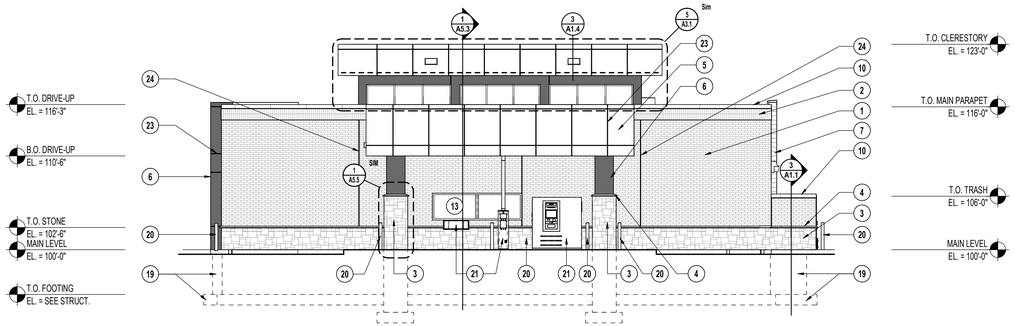
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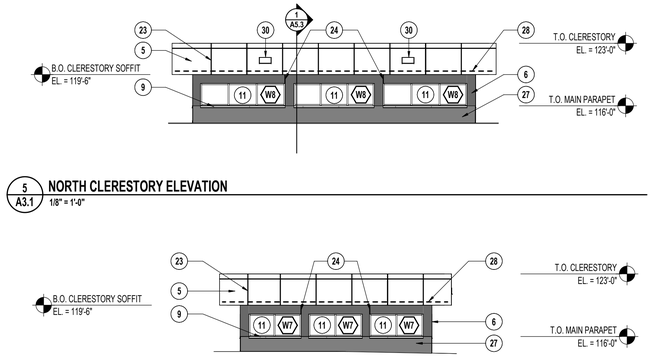
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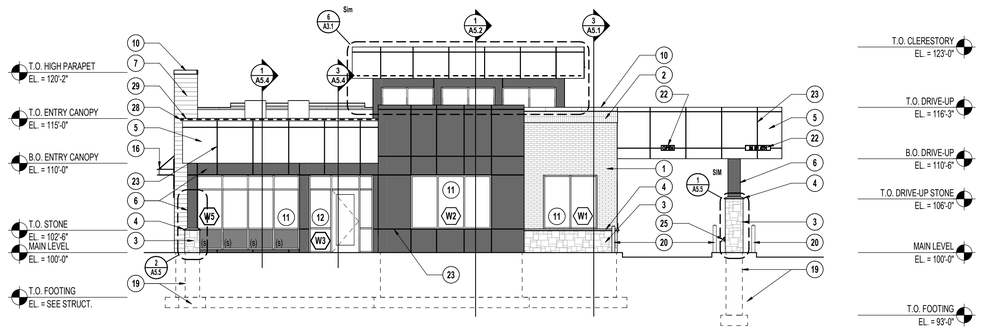


1 A3.1 **NORTH ELEVATION**
1/8" = 1'-0"

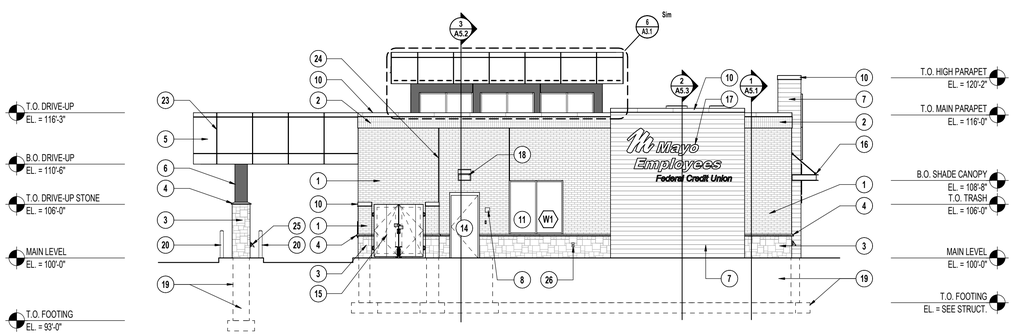


5 A3.1 **NORTH CLERESTORY ELEVATION**
1/8" = 1'-0"

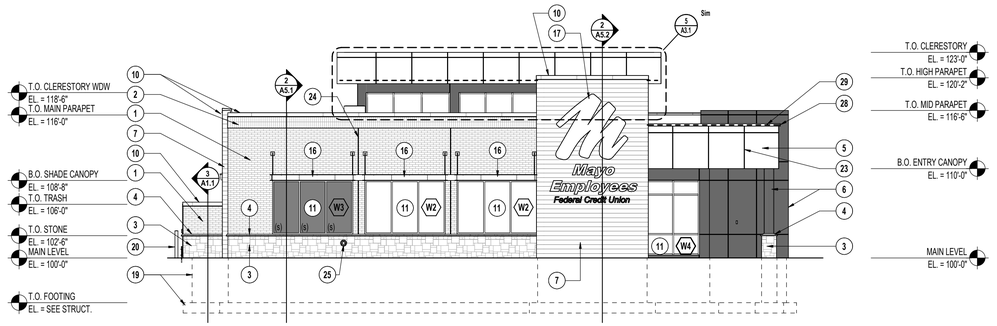
6 A3.1 **EAST CLERESTORY ELEVATION**
1/8" = 1'-0"



2 A3.1 **EAST ELEVATION**
1/8" = 1'-0"



3 A3.1 **WEST ELEVATION**
1/8" = 1'-0"



4 A3.1 **SOUTH ELEVATION**
1/8" = 1'-0"

00	KEYED NOTES - EXTERIOR ELEVATION
NO.	DESCRIPTION
1	BRICK - CLOUD CERAMICS STYLE: VELOUR MODULAR COLOR: COFFEE
2	(2) ROWS OF STACKED SOLDIER BRICK COURSING - MATCH TYPICAL BRICK STYLE & COLOR
3	NATURAL STONE BASE - BUECHEL STONE STYLE: TAILORED BLEND COLOR: SILVERDALE
4	NATURAL STONE SILL - BUECHEL STONE STYLE / COLOR: MATCH STONE BASE
5	ACM-1 - ALUCOBOND PLUS SYSTEM: WET SEAL PANEL SYSTEM COLOR: TBD
6	ACM-2 - ALUCOBOND PLUS SYSTEM: WET SEAL PANEL SYSTEM COLOR: TBD
7	ALUMINUM SIDING - LONGBOARD SYSTEM: TONGUE & GROOVE - 6" COLOR: TBD
8	KNOCK BOX FOR FIRE DEPARTMENT
9	PREFINISHED METAL SILL - PAC-CLAD (OR EQUAL) COLOR: TBD
10	PREFINISHED METAL COPING - PAC-CLAD (OR EQUAL) COLOR: TBD
11	ALUMINUM STOREFRONT WINDOW COLOR: CLEAR ANODIZED OUTBOARD LITE: BRONZE TINTED GLASS INBOARD LITE: CLEAR GLASS
12	ALUMINUM DOOR & FRAME COLOR: CLEAR ANODIZED
13	ALUMINUM DRIVE-UP WINDOW COLOR: CLEAR ANODIZED
14	INSULATED HOLLOW METAL DOOR COLOR: PAINT SW 7019 GAUNTLET GRAY
15	STEEL TRASH ENCLOSURE GATE COLOR: PAINT SW 7019 GAUNTLET GRAY
16	SHADE CANOPY / EYEBROW - MANUFACTURER? COLOR: PAINT?
17	BACKLIT LOGO SIGNAGE, GC TO COORDINATE W/ ELECTRICAL & OWNER'S SIGNAGE VENDOR
18	EXTERIOR LIGHTING, SEE ELECTRICAL DRAWINGS
19	FOUNDATION WALLS & FOOTINGS, SEE STRUCTURAL DRAWINGS
20	4" DIA. BOLLARD w/ BOLLARD COVER/SLEEVE, COLOR TBD BY ARCH
21	BANK EQUIPMENT, SEE FLOOR PLAN & BANK EQUIPMENT SCHEDULE - COORDINATE W/ BANK EQUIPMENT PROVIDER
22	DRIVE-UP AISLE SIGNAGE, COORDINATE W/ ELECTRICAL & OWNER'S SIGNAGE VENDOR
23	PANEL JOINTS IN ACM, TYP.
24	CONTROL/RELIEF JOINTS, TYP.
25	ROOF DRAINAGE OUTLET / COW'S TONGUE
26	HOSE BIB LOCATION, PROVIDE SMOOTH TRIM STONE @ CONNECTION TO BLDG
27	EPDM ROOFING, WRAP VERTICALLY UP FACE OF CLERESTORY WALL - SEE SECTIONS
28	CONCEALED DECORATIVE LED LIGHTING, SEE ROOF SECTIONS & ELECTRICAL DRAWINGS
29	PREFINISHED METAL COPING - PAC-CLAD (OR EQUAL) - SEE DETAIL COLOR: TBD
30	PREFINISHED METAL SCUPPER - SEE ROOF PLAN & ROOF DETAILS

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EXTERIOR ELEVATIONS

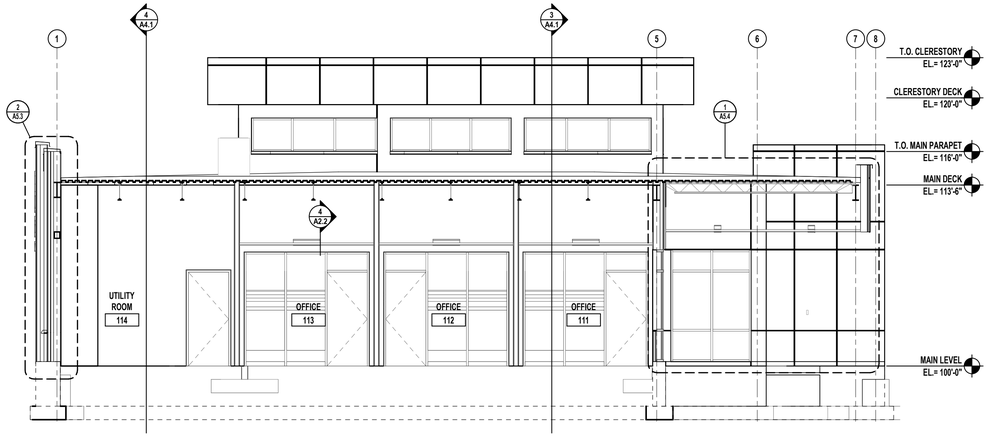
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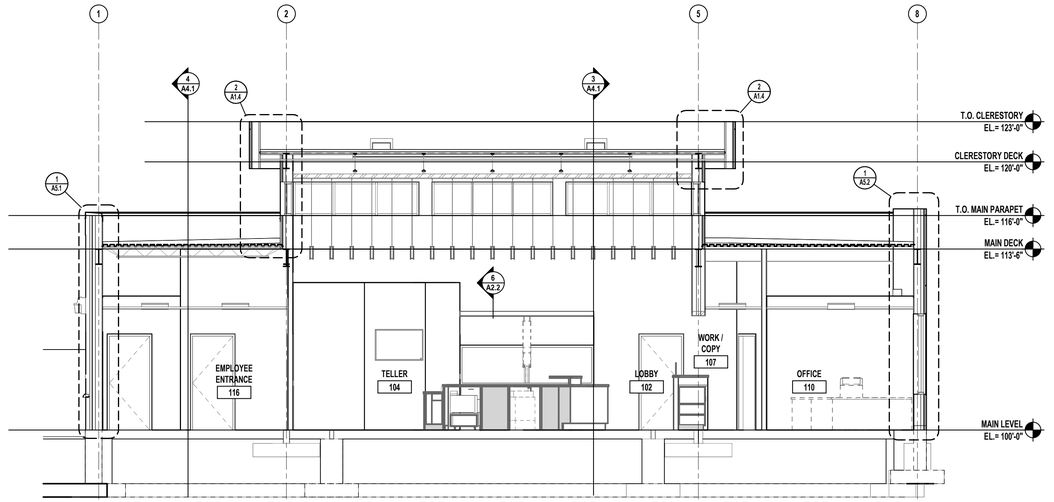
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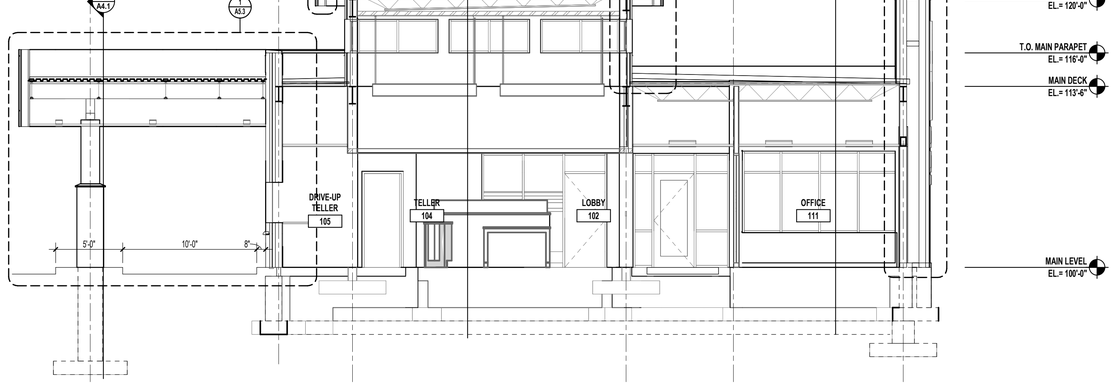
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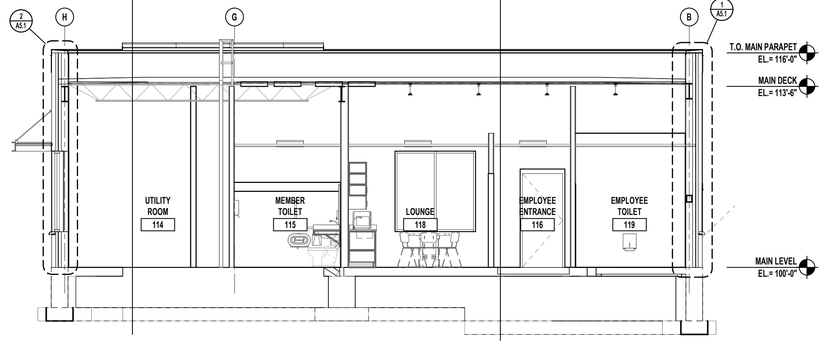
1 A4.1 **EAST/WEST BUILDING SECTION (LOOKING TO CLERESTORY)**
3/16" = 1'-0"



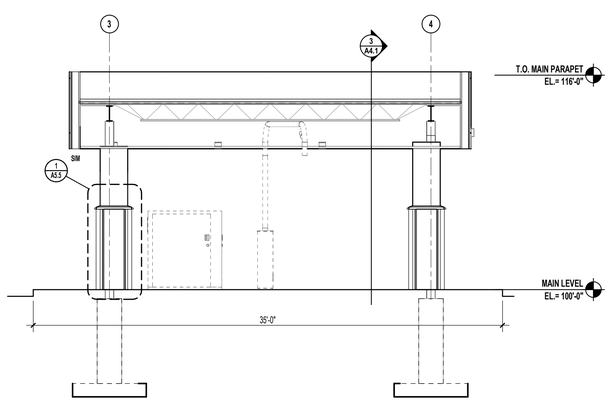
2 A4.1 **EAST/WEST BUILDING SECTION (AT CLERESTORY)**
3/16" = 1'-0"



3 A4.1 **NORTH/SOUTH BUILDING SECTION (LOOKING EAST)**
3/16" = 1'-0"



4 A4.1 **NORTH/SOUTH BUILDING SECTION (LOOKING WEST)**
3/16" = 1'-0"



5 A4.1 **BUILDING SECTION AT DRIVE-UP**
3/16" = 1'-0"

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BUILDING SECTIONS

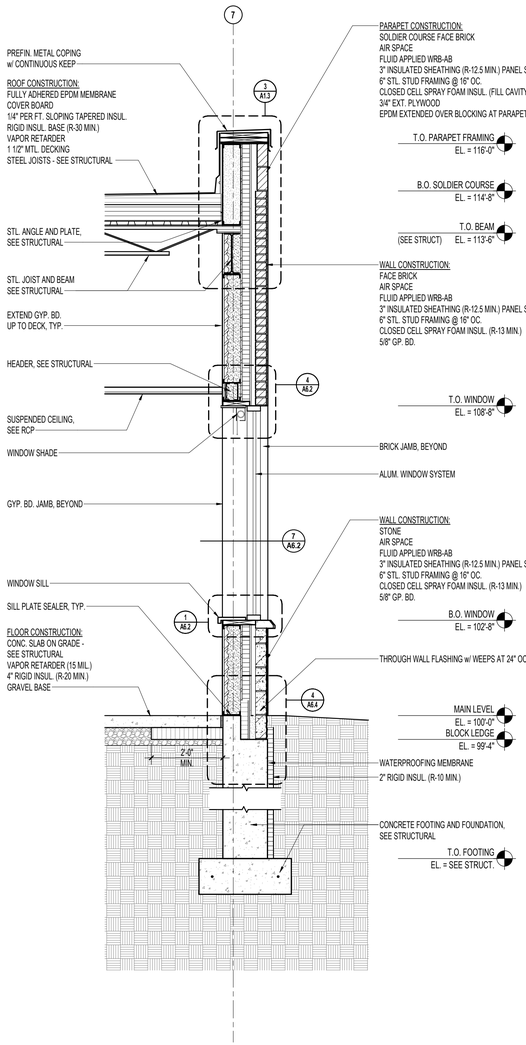
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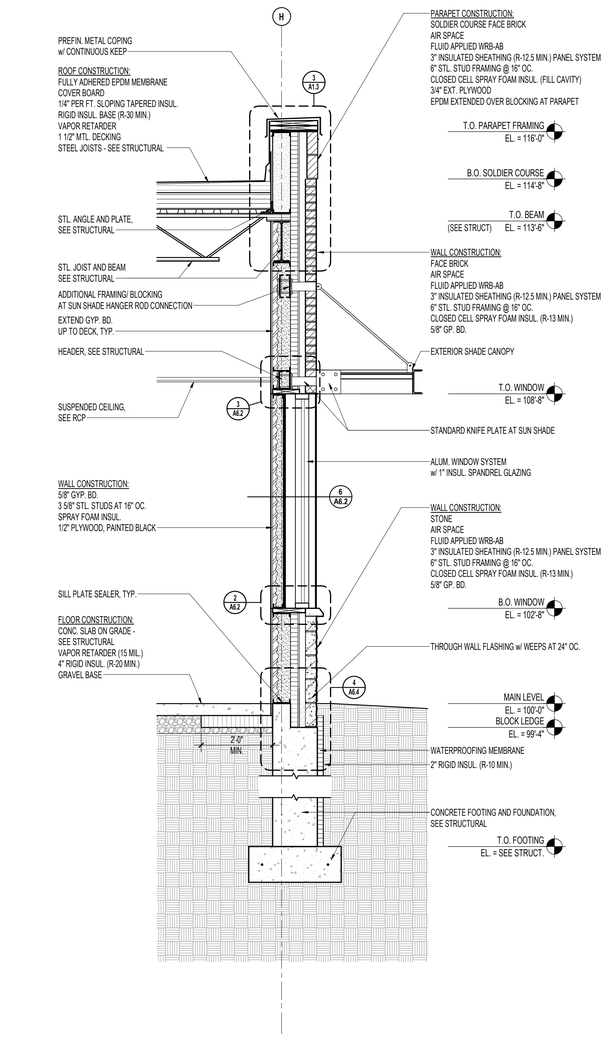
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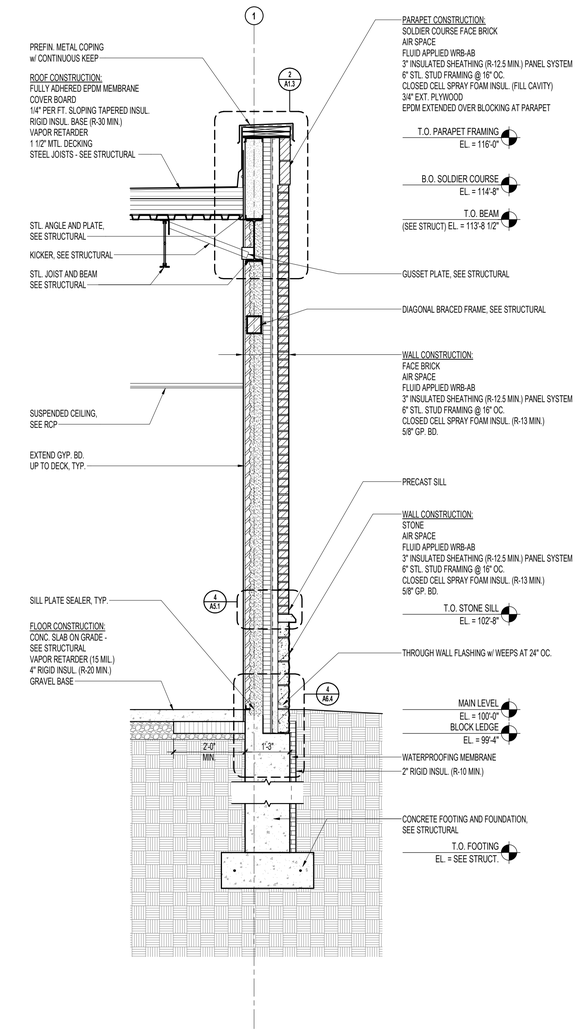
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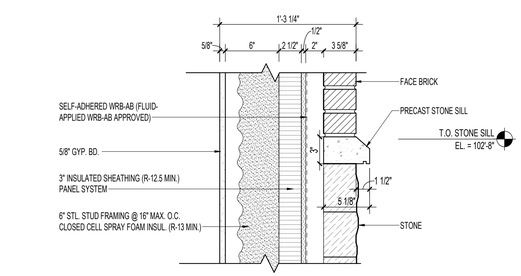
3 A5.1 WALL SECTION, WINDOW
1/2" = 1'-0"



2 A5.1 WALL SECTION, WINDOW, SPANDREL
1/2" = 1'-0"



1 A5.1 WALL SECTION, TYP.
1/2" = 1'-0"



4 A5.1 DETAIL @ STONE SILL
1 1/2" = 1'-0"

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WALL SECTIONS

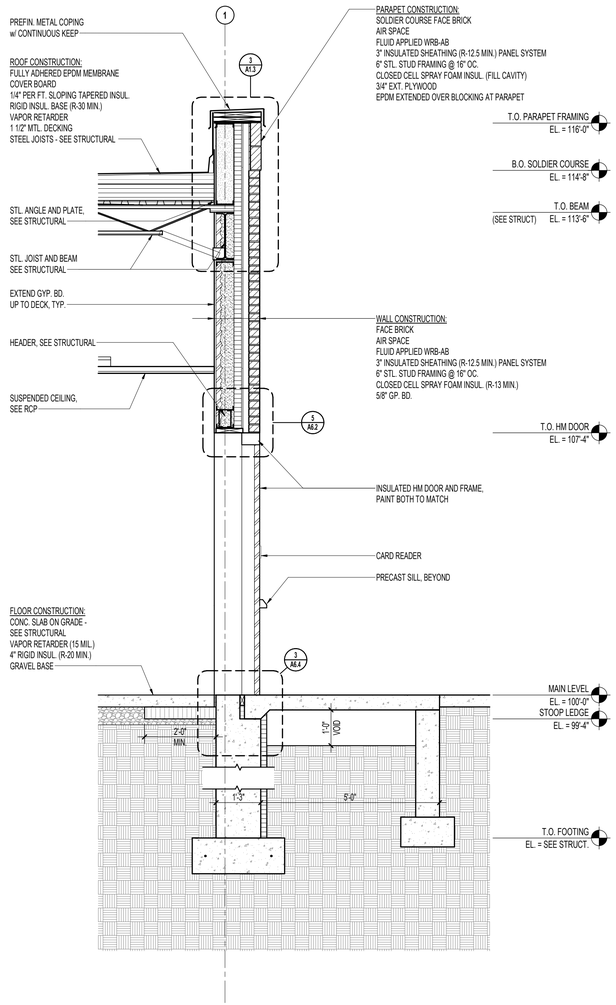
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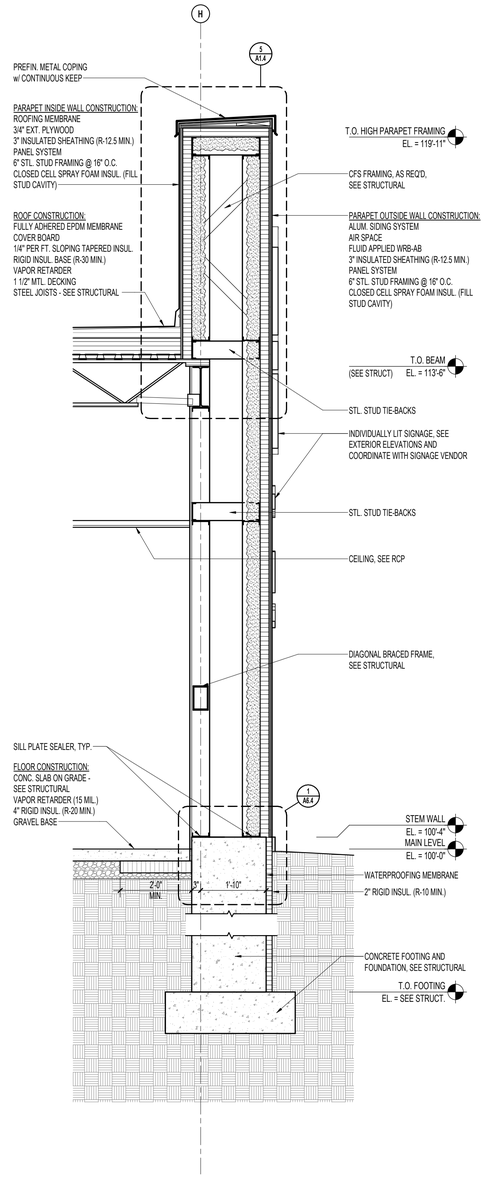
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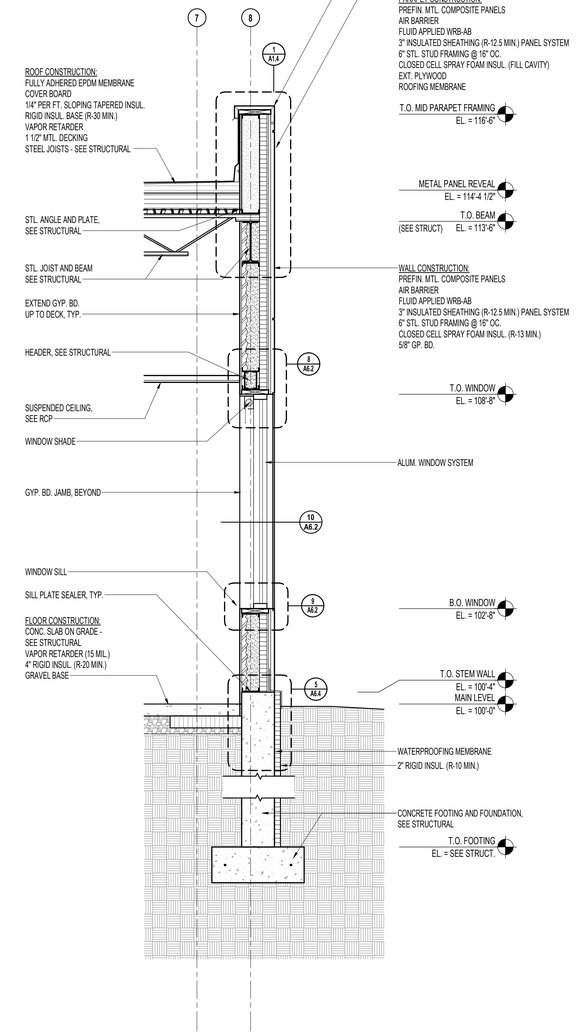
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3 A5.2 **WALL SECTION, EMPLOYEE ENTRY**
1/2" = 1'-0"



2 A5.2 **WALL SECTION, SIGN WALL**
1/2" = 1'-0"



1 A5.2 **WALL SECTION, WINDOW, METAL PANEL**
1/2" = 1'-0"

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WALL SECTIONS

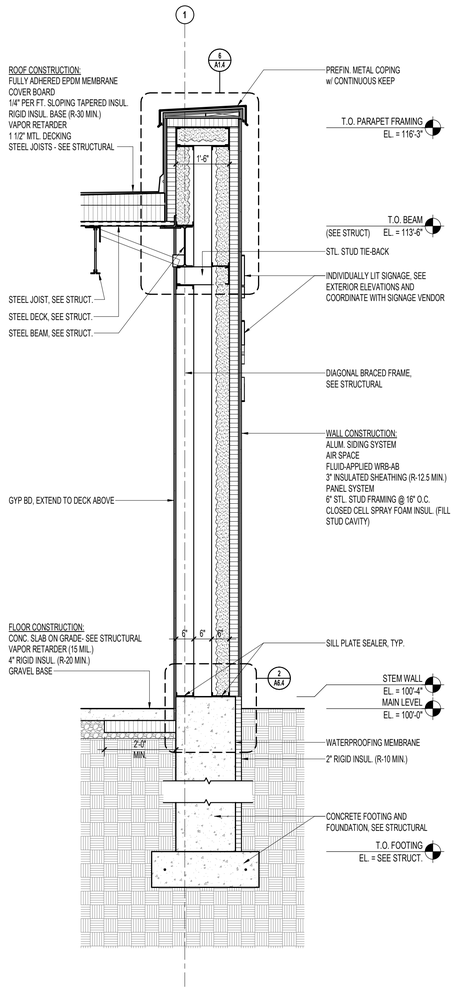
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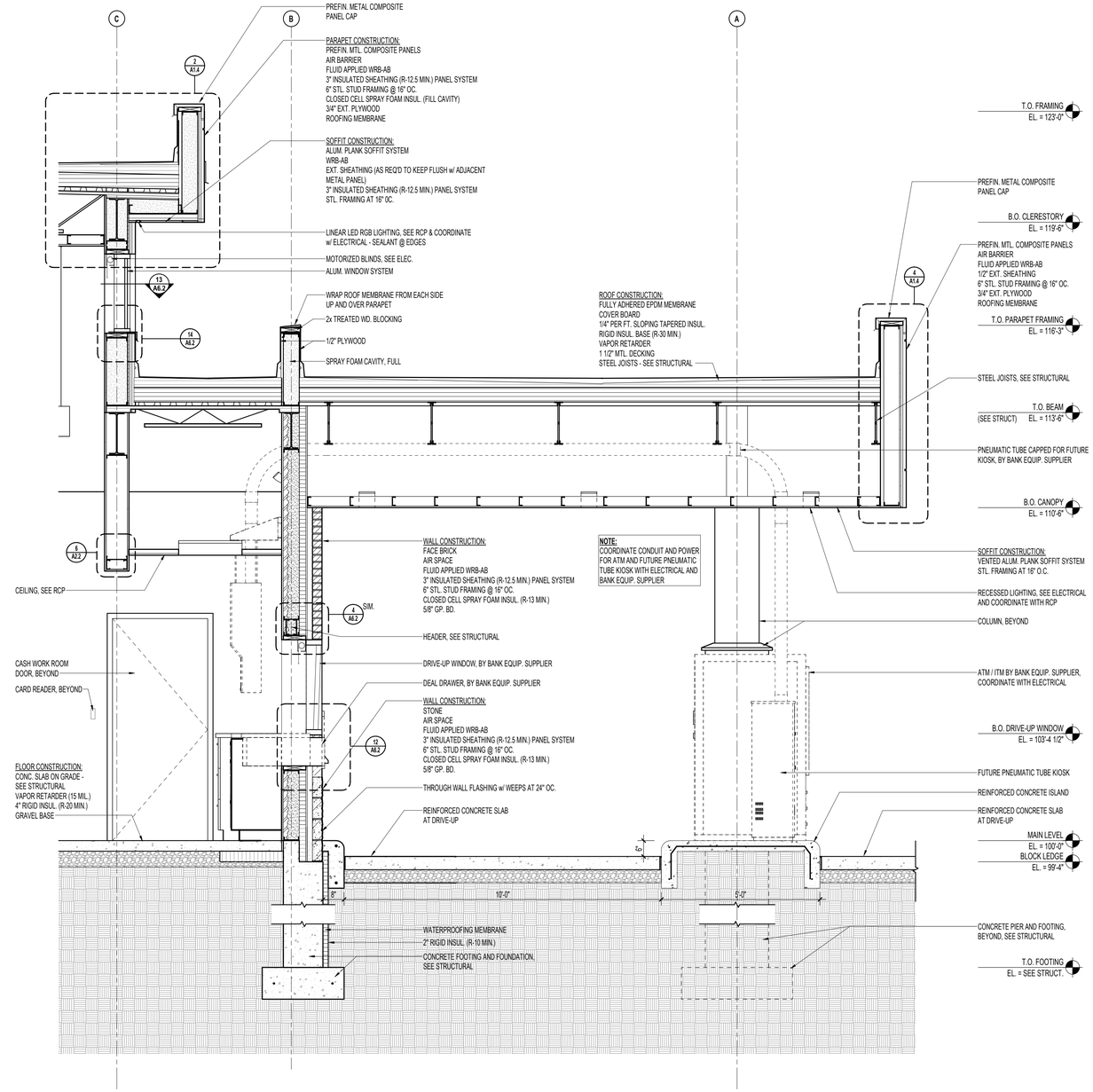
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2 A5.3 **WALL SECTION AT DOUBLE WALL**
1/2" = 1'-0"



1 A5.3 **SECTION AT DRIVE-UP**
1/2" = 1'-0"

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	

DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS, MN LICENSED ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

WALL SECTIONS

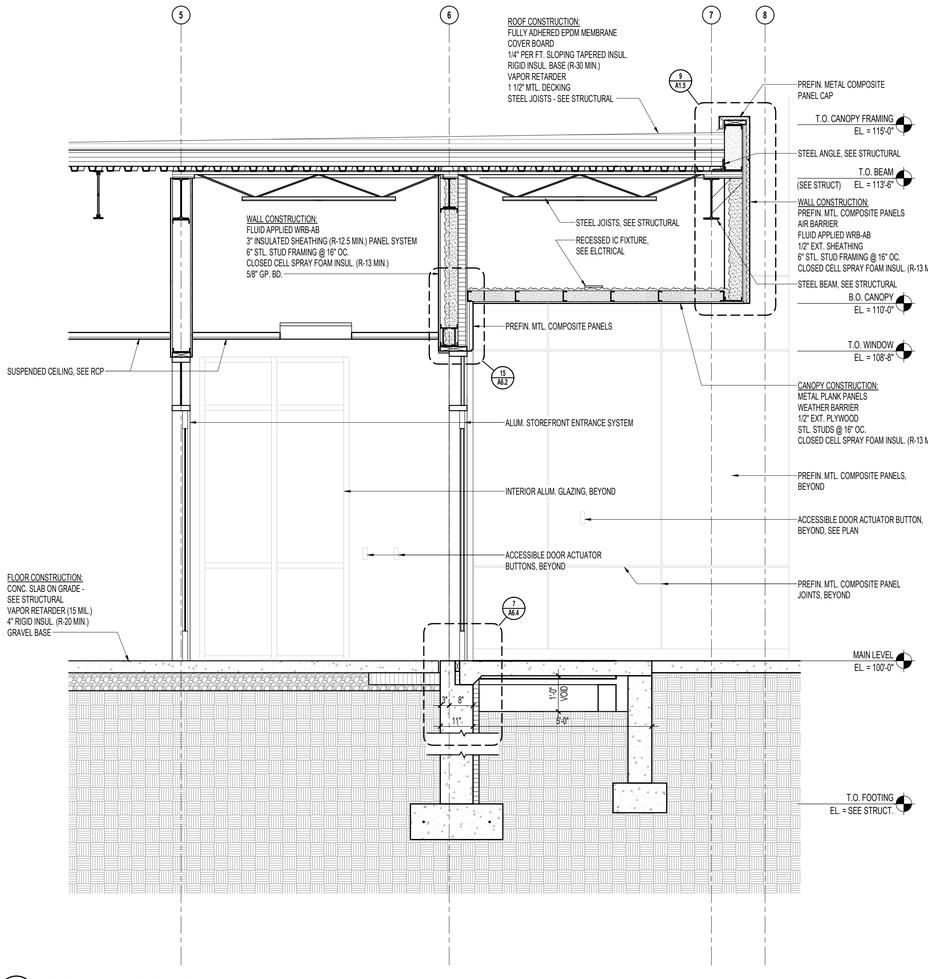
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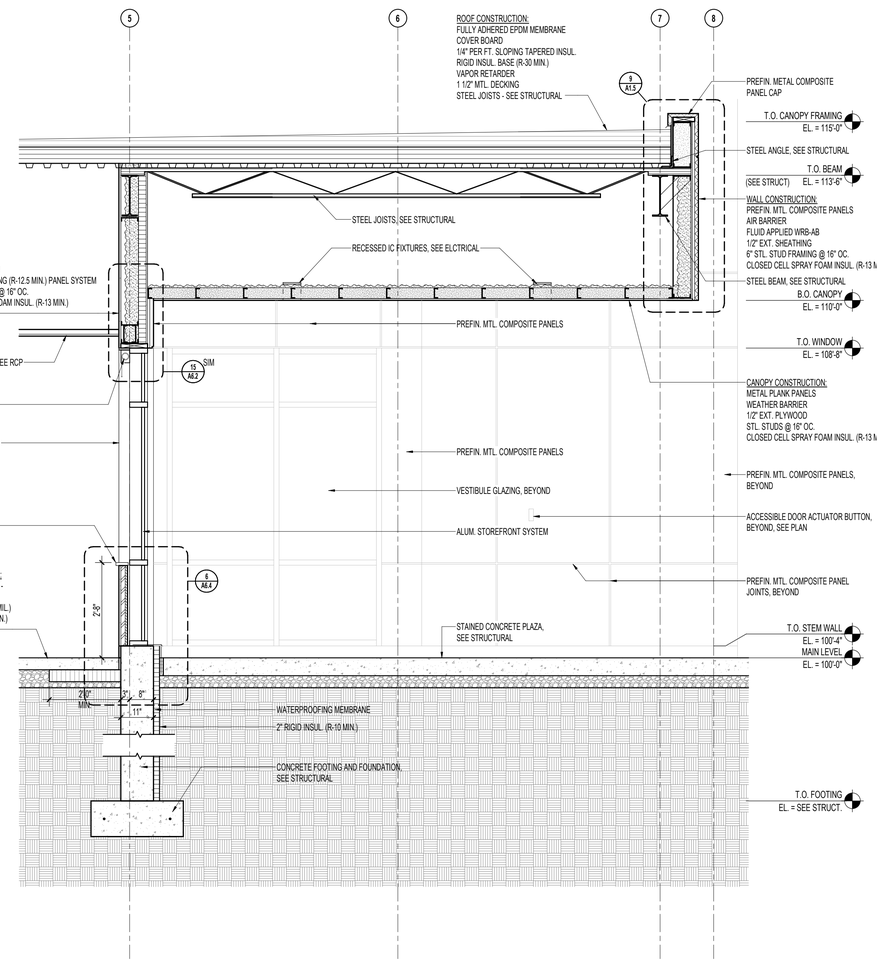
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3 A5.4 **SECTION @ MAIN ENTRANCE**
1/2" = 1'-0"



1 A5.4 **SECTION @ STOREFRONT AND CANOPY**
1/2" = 1'-0"

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SEAN C. RABOIN
12055 Reg No. 03/27/2026 Date

WALL SECTIONS

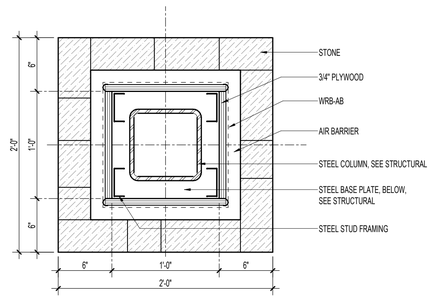
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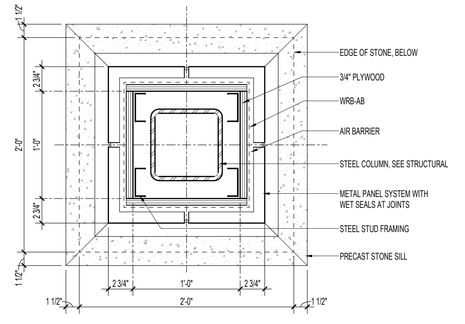
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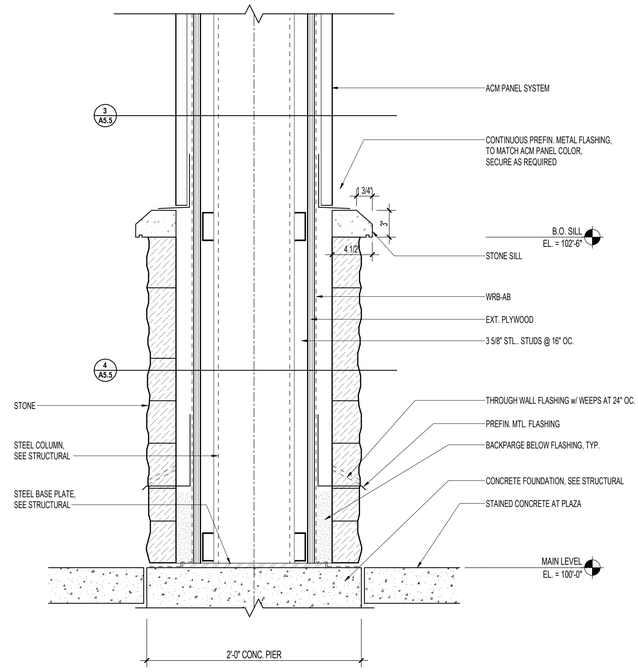
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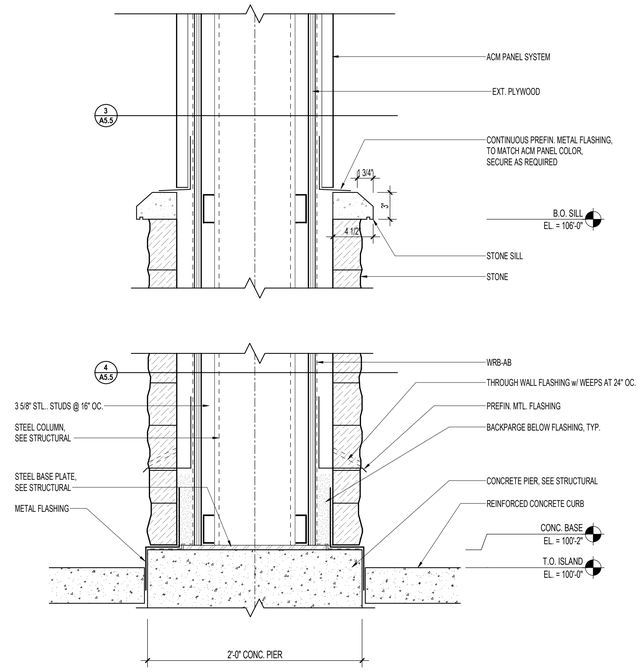
4 A5.5 **PLAN DETAIL @ COLUMN, LOW**
1 1/2" = 1'-0"



3 A5.5 **PLAN DETAIL @ COLUMN, HIGH**
1 1/2" = 1'-0"



2 A5.5 **SECTION @ ENTRANCE COLUMN**
1 1/2" = 1'-0"



1 A5.5 **SECTION @ DRIVE-UP COLUMNS**
1 1/2" = 1'-0"

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DETAIL SECTIONS

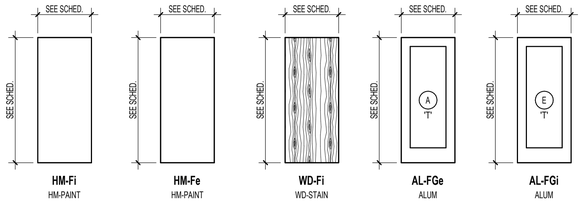
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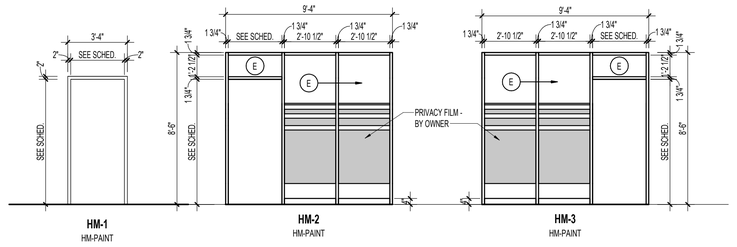
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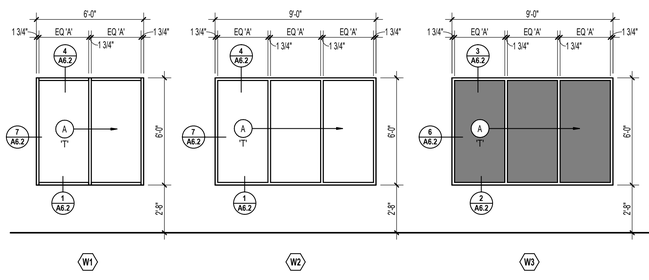
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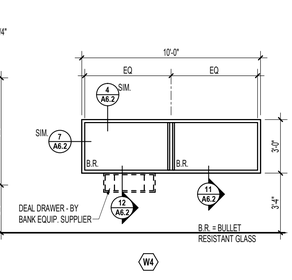


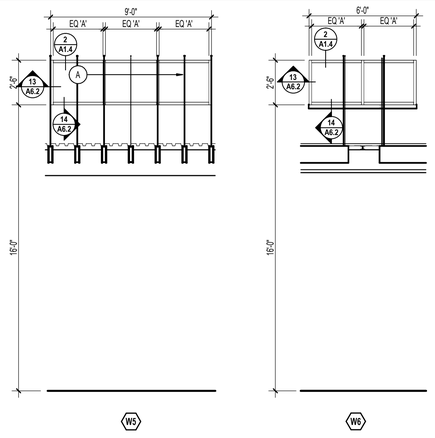
1 A6.1 DOOR ELEVATIONS
1/4" = 1'-0"



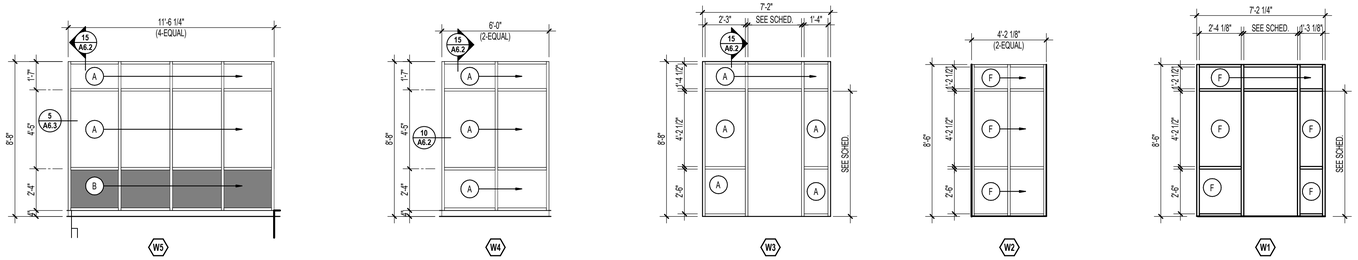
2 A6.1 HM ELEV.
1/4" = 1'-0"



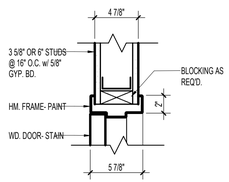




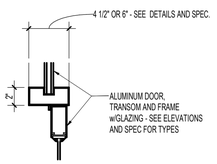
3 A6.1 ALUM WINDOW ELEVATIONS
1/4" = 1'-0"



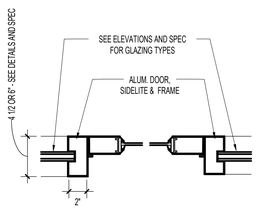
4 A6.1 ALUM. FRAME ELEVATIONS
1/4" = 1'-0"



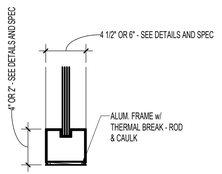
5 A6.1 HM FRAME DETAIL (JAMB SIM)
1 1/2" = 1'-0"



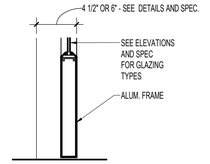
6 A6.1 ALUM. HEAD DETAIL
1 1/2" = 1'-0"



7 A6.1 ALUM. JAMB DETAIL
1 1/2" = 1'-0"



8 A6.1 ALUM. SILL DETAIL
1 1/2" = 1'-0"



9 A6.1 ALUM. DOOR DETAIL
1 1/2" = 1'-0"

FRAMES

FRAME PREFIXES

AL-	ALUMINUM
BD-	BARN DOOR
EXTG-	EXISTING
HMM-	HOLLOW METAL MASONRY
HMP-	HOLLOW METAL POCKET
HM-	HOLLOW METAL
WD-	WOOD
WDP-	WOOD POCKET

TRACK PREFIXES

HL	HIGH LIFT
IL	INCLINED LIFT
STD	STANDARD LIFT
VL	VERTICAL LIFT

FRAME SUBSCRIPT

a	VARIATION - SEE FRAME TYPE ELEVATIONS
b	VARIATION - SEE FRAME TYPE ELEVATIONS
c	VARIATION - SEE FRAME TYPE ELEVATIONS

HM-4a

FRAME SUFFIXES

0	FRAMED OPENING
1	DOOR WITH FRAME
2	DOUBLE DOOR WITH FRAME
3	SIDELIGHT(S) 1 SIDE
4	SIDELIGHT(S) 1 SIDE WITH HORIZONTAL(S)
5	SIDELIGHT(S) BOTH SIDES
6	SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
7	DOUBLE DOOR WITH SIDELIGHT(S) BOTH SIDES
8	DOUBLE DOOR SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
T1	DOOR WITH TRANSOM
T2	DOUBLE DOOR WITH TRANSOM
T3	DOOR WITH TRANSOM WITH SIDELIGHT(S) 1 SIDE
T4	TRANSOM WITH SIDELIGHT(S) 1 SIDE WITH HORIZONTAL(S)
T5	TRANSOM WITH SIDELIGHT(S) BOTH SIDES
T6	TRANSOM WITH SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)
T7	DOUBLE DOOR WITH TRANSOM W. SIDELIGHT(S) BOTH SIDES
T8	DOUBLE DOOR WITH TRANSOM W. SIDELIGHT(S) BOTH SIDES WITH HORIZONTAL(S)

*ACTUAL FRAMES MAY VARY FROM DESCRIPTION ABOVE - REFER TO FRAME TYPE ELEVATIONS

DOOR PANEL

PANEL PREFIXES

AL-	ALUMINUM
CS-	COILING SLATS
EXTG-	EXISTING
FSY-	FURNITURE SYSTEM
GP-	GLASS PARTITION
HM-	HOLLOW METAL
OS-	OVERHEAD SECTIONAL
WD-	WOOD

FRAME SUBSCRIPT

e	EXTERIOR
i	INTERIOR

WD-FGe

PANEL SUFFIXES

AG	ALL GLASS
AD	AUTOMATIC SLIDING DOORS
BI	BIFOLD
F	FLUSH
FG	FULL GLASS
G2	GLASS 2 LITE
HG	HALF GLASS
L	LOUVER
N	NARROW LITE
S1	INSULATED STEEL
S2	NON-INSULATED STEEL
SD	SLIDING DOOR
V	VISION LITE

*ACTUAL PANELS MAY VARY FROM DESCRIPTION ABOVE - REFER TO DOOR TYPE ELEVATIONS

A GLAZING SCHEDULE

'T' INDICATES TEMPERED GLASS., (TYPE IG-S)
(/) INDICATES A COMBINATION OF GLAZING TYPES IN A FRAME AND/OR WINDOW

NO.	GLAZING TYPE DESCRIPTION	GLAZING SPEC
A	EXTERIOR GLAZING: 1" TEMPERED GLAZING	TYPE IG-1
B	EXTERIOR GLAZING: 1" TEMPERED SPANDREL GLAZING	TYPE IG-3
E	INTERIOR GLAZING: 1/4"	TYPE G-3
F	INTERIOR GLAZING: 3/8"	TYPE G-3

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SEAN C. RABOIN
12055 03/27/2026
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DOOR/ WINDOW FRAME ELEVATIONS AND DETAILS

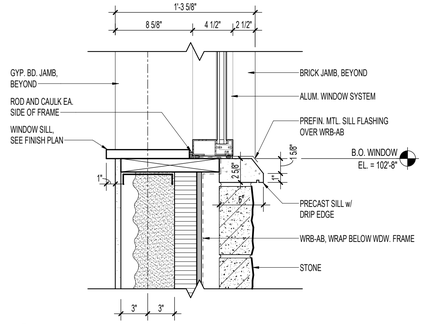
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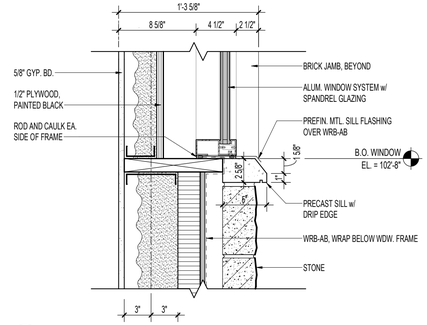
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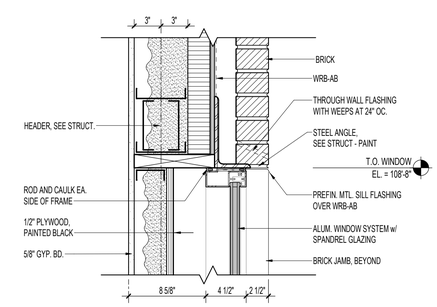
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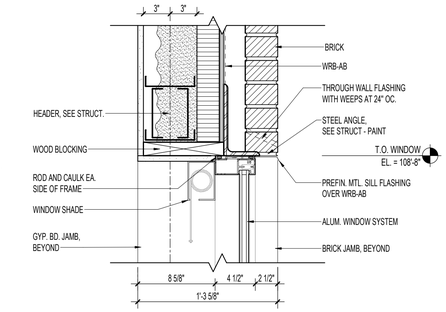
1 A6.2 SILL DETAIL @ STONE
1 1/2" = 1'-0"



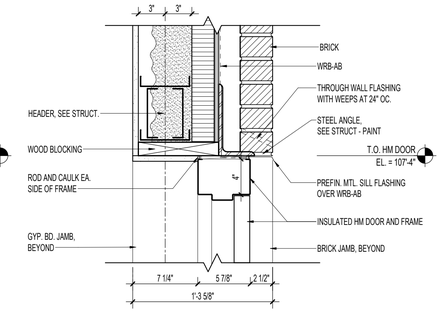
2 A6.2 SILL DETAIL @ SPANDREL
1 1/2" = 1'-0"



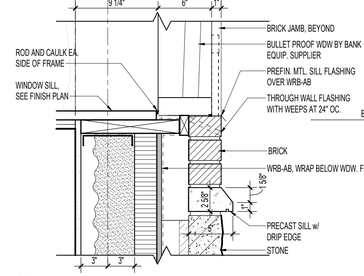
3 A6.2 HEAD DETAIL @ SPANDREL
1 1/2" = 1'-0"



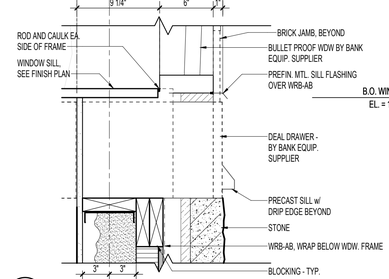
4 A6.2 HEAD DETAIL @ BRICK
1 1/2" = 1'-0"



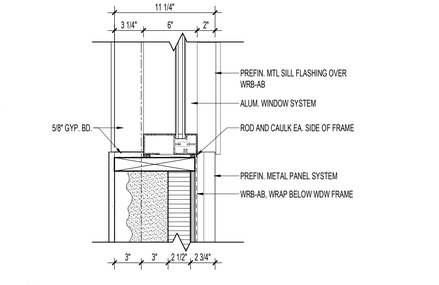
5 A6.2 HM DOOR DETAIL @ BRICK
1 1/2" = 1'-0"



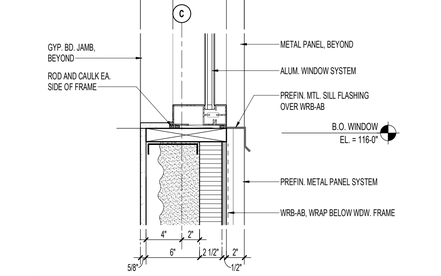
6 A6.2 JAMB DETAIL @ SPANDREL
1 1/2" = 1'-0"



7 A6.2 JAMB DETAIL @ BRICK
1 1/2" = 1'-0"



8 A6.2 HEAD DETAIL @ METAL PANEL
1 1/2" = 1'-0"



9 A6.2 SILL DETAIL @ METAL PANEL
1 1/2" = 1'-0"

10 A6.2 JAMB DETAIL @ METAL PANEL
1 1/2" = 1'-0"

11 A6.2 DRIVE-UP ALUM. SILL DETAIL
1 1/2" = 1'-0"

12 A6.2 DRIVE-UP ALUM. SILL DETAIL @ DEAL DRAWER
1 1/2" = 1'-0"

13 A6.2 JAMB DETAIL @ CLERESTORY METAL PANEL
1 1/2" = 1'-0"

14 A6.2 SILL DETAIL @ CLERESTORY METAL PANEL
1 1/2" = 1'-0"

15 A6.2 HEAD DETAIL @ STOREFRONT
1 1/2" = 1'-0"

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DOOR AND WINDOW FRAME DETAILS

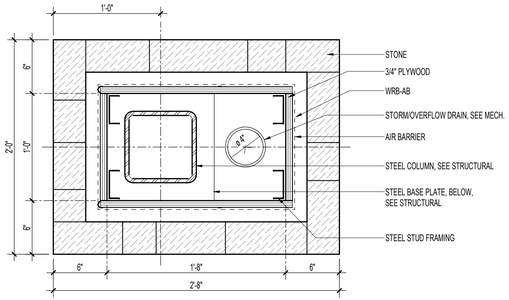
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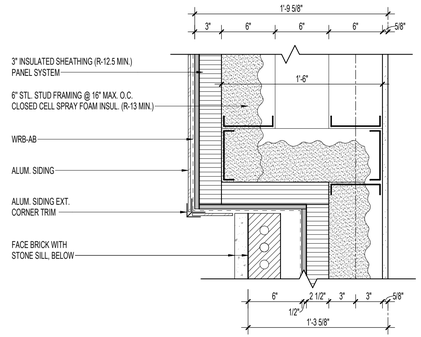
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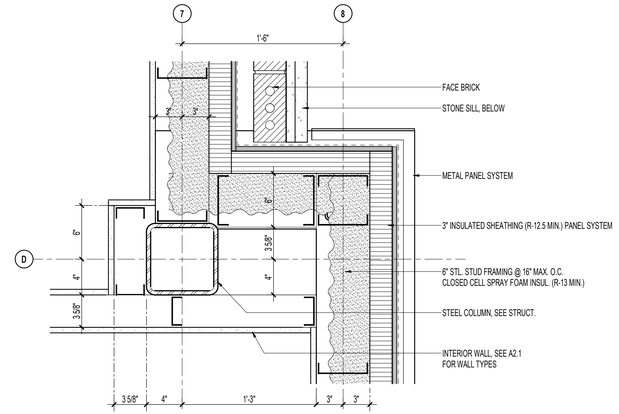
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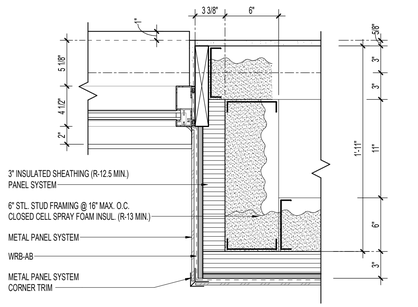
1 A6.3 **PLAN DETAIL @ DRIVE-UP COLUMN**
1 1/2" = 1'-0"



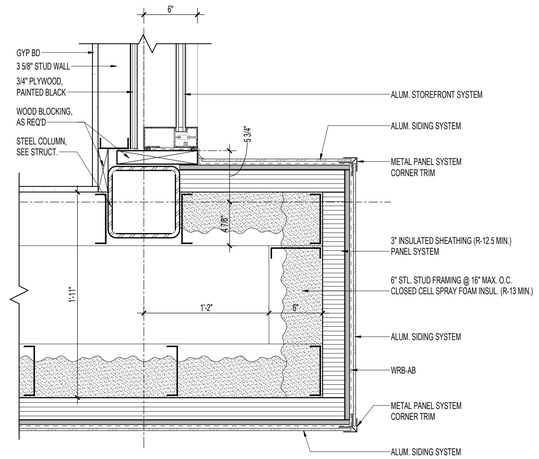
2 A6.3 **PLAN DETAIL @ ALUM. SIDING BUMP-OUT**
1 1/2" = 1'-0"



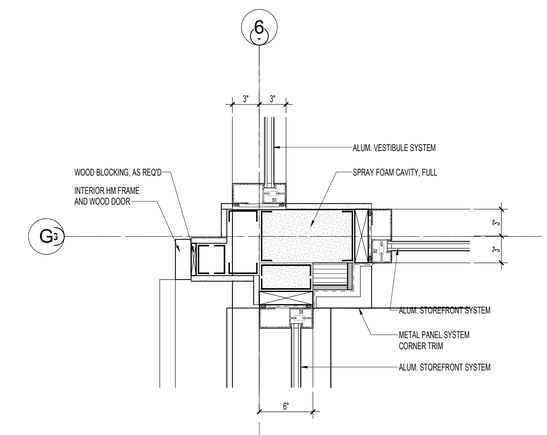
3 A6.3 **PLAN DETAIL @ BRICK / METAL PANEL**
1 1/2" = 1'-0"



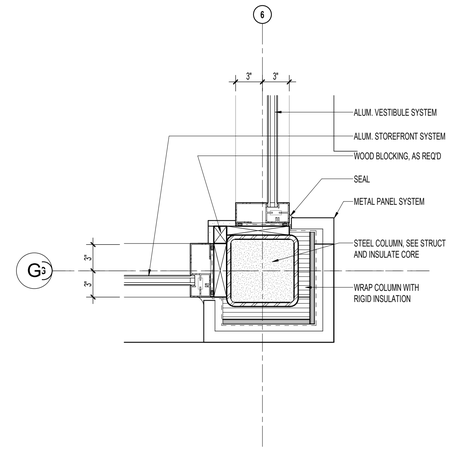
4 A6.3 **JAMB DETAIL @ SIGNAGE WALL**
1 1/2" = 1'-0"



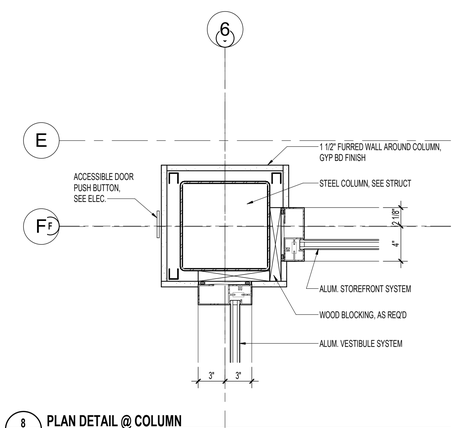
5 A6.3 **PLAN DETAIL @ SIGNAGE WALL**
1 1/2" = 1'-0"



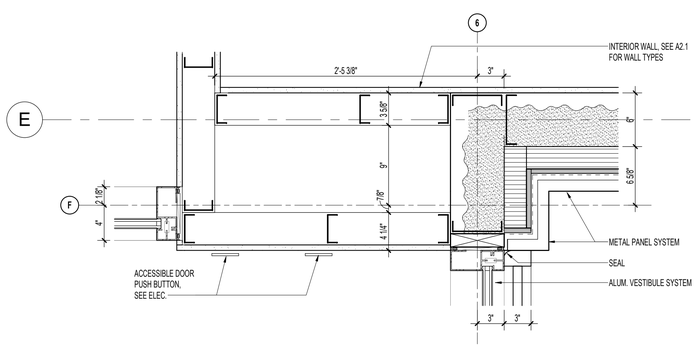
6 A6.3 **PLAN DETAIL @ VESTIBULE CORNER**
1 1/2" = 1'-0"



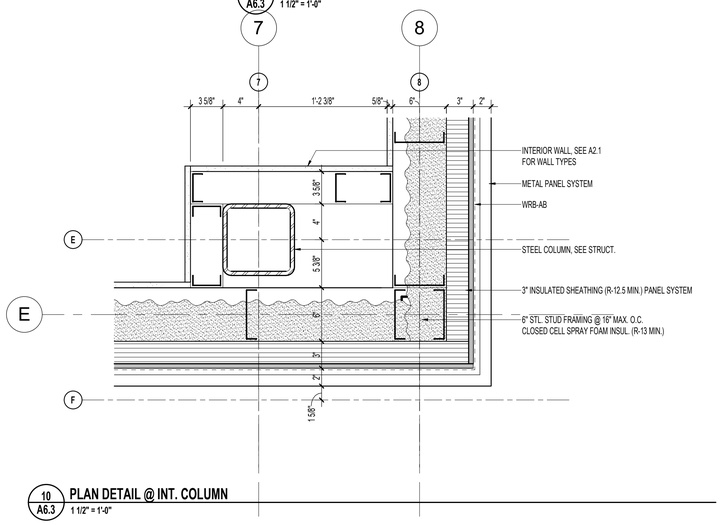
7 A6.3 **PLAN DETAIL @ VESTIBULE EXT. CORNER**
1 1/2" = 1'-0"



8 A6.3 **PLAN DETAIL @ COLUMN**
1 1/2" = 1'-0"



9 A6.3 **PLAN DETAIL @ VESTIBULE CHASE**
1 1/2" = 1'-0"



10 A6.3 **PLAN DETAIL @ INT. COLUMN**
1 1/2" = 1'-0"

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DATE	NO	

WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 03/27/2026
Reg No. Date

DOOR, WINDOW, AND PLAN DETAILS

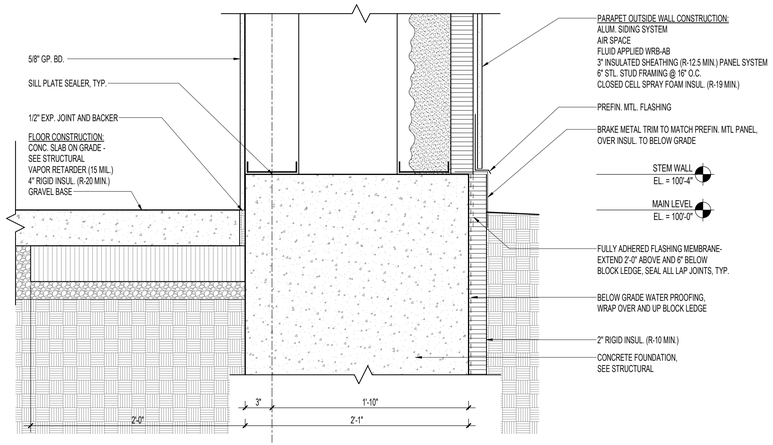
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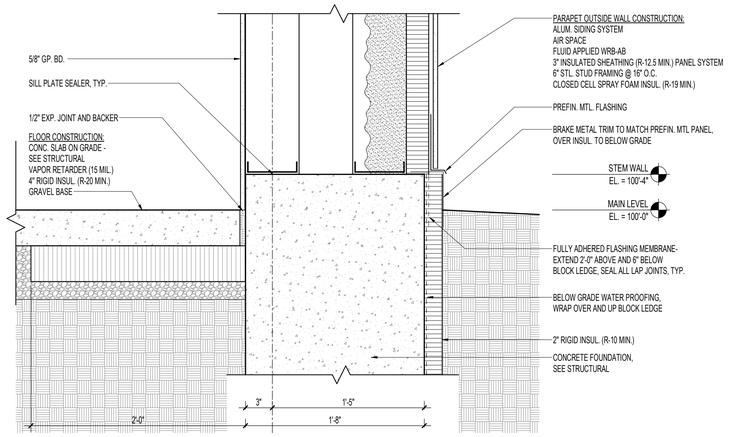
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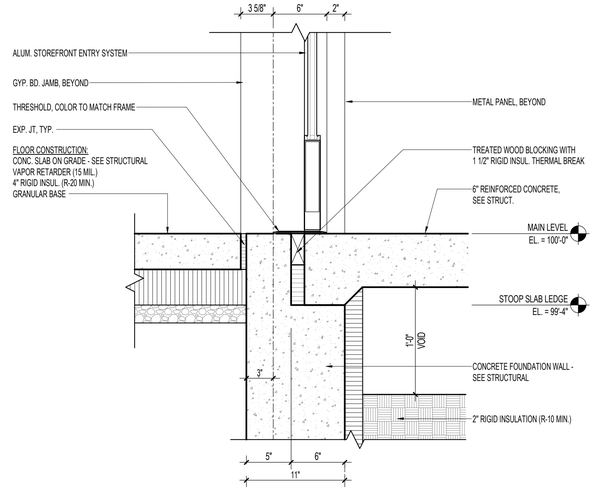
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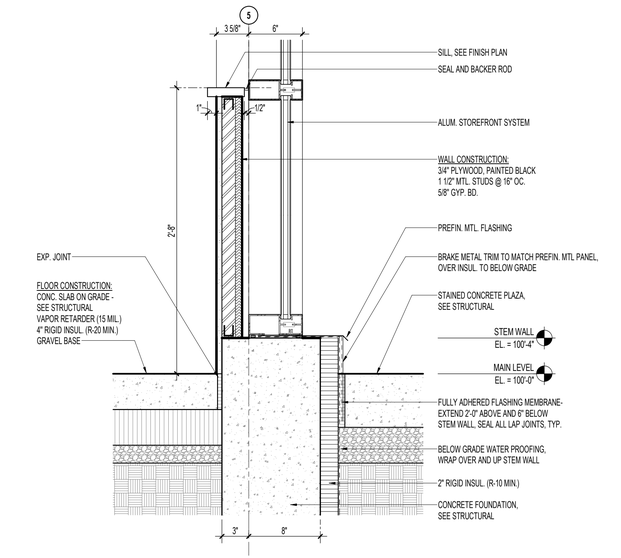
1 A6.4 **BASE DETAIL @ ACCENT WALL, SOUTH**
1 1/2" = 1'-0"



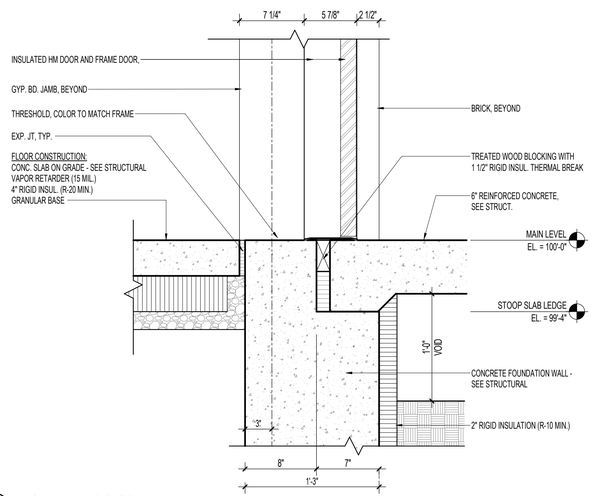
2 A6.4 **BASE DETAIL @ ACCENT WALL, WEST**
1 1/2" = 1'-0"



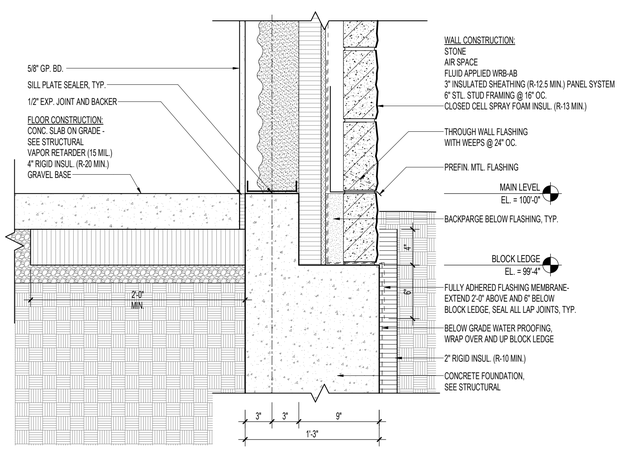
7 A6.4 **BASE DETAIL @ ENTRY**
1 1/2" = 1'-0"



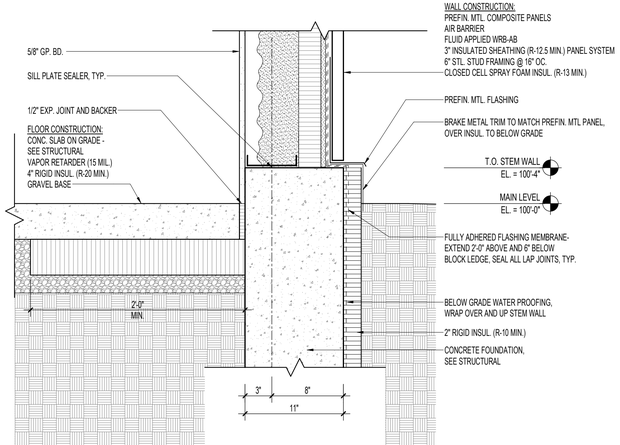
6 A6.4 **BASE DETAIL @ STOREFRONT SYSTEM**
1 1/2" = 1'-0"



3 A6.4 **BASE DETAIL @ STOOP**
1 1/2" = 1'-0"



4 A6.4 **BASE DETAIL @ STONE**
1 1/2" = 1'-0"



5 A6.4 **BASE DETAIL @ PREFIN. METAL PANEL**
1 1/2" = 1'-0"

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DOOR, WINDOW, AND WALL BASE DETAILS

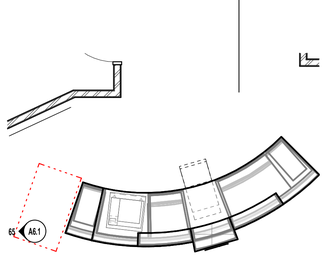
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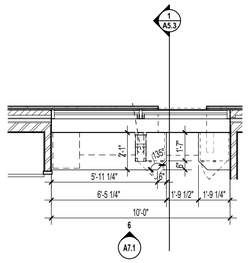
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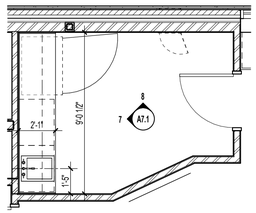
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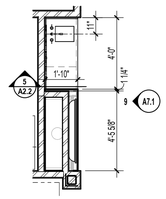
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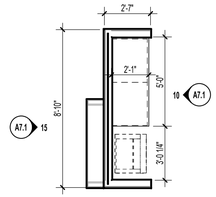
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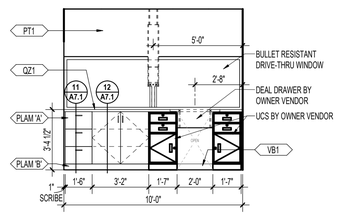




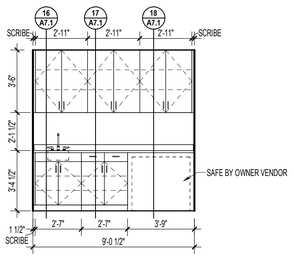




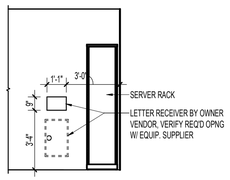
1 A7.1 ENLARGED TELLER LINE
1/4" = 1'-0"



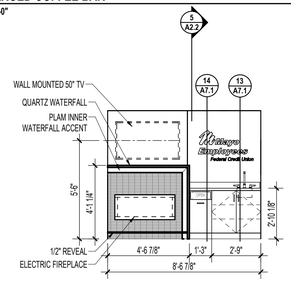
2 A7.1 ENLARGED DRIVE-UP TELLER
1/4" = 1'-0"



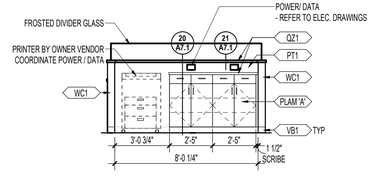
3 A7.1 ENLARGED CASH WORK ROOM
1/4" = 1'-0"



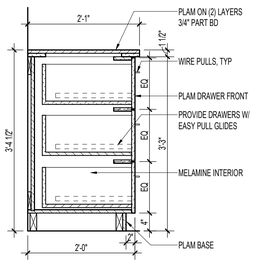
4 A7.1 ENLARGED COFFEE BAR
1/4" = 1'-0"



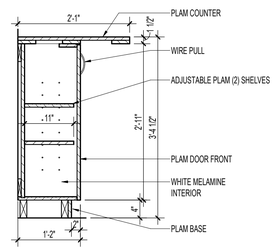
5 A7.1 ENLARGED WORK COPY
1/4" = 1'-0"



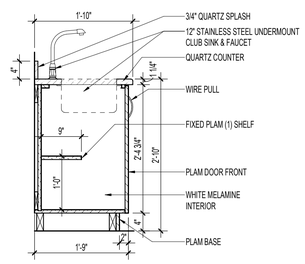
6 A7.1 DRIVE-UP TELLER
1/4" = 1'-0"



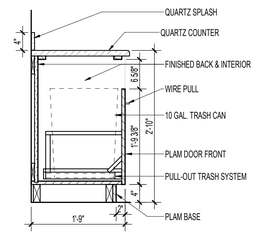
7 A7.1 CASH WORK - MILLWORK
1/4" = 1'-0"



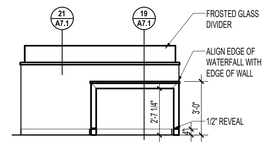
8 A7.1 CASH WORK - PACKAGE PASSER
1/4" = 1'-0"



9 A7.1 COFFEE BAR
1/4" = 1'-0"



10 A7.1 WORK COPY
1/4" = 1'-0"



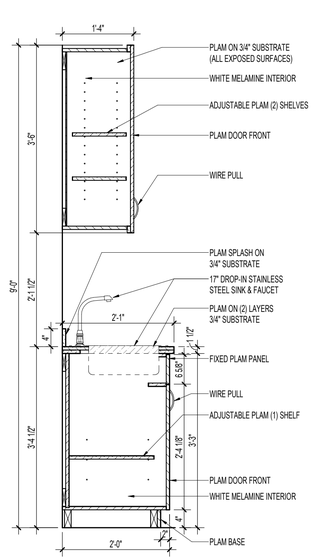
11 A7.1 3-EQUAL DRAWERS BASE CABINET - 40.5" X 25"
3/4" = 1'-0"

12 A7.1 BASE CABINET @ DRIVE-UP TELLER - 40.5" X 15"
3/4" = 1'-0"

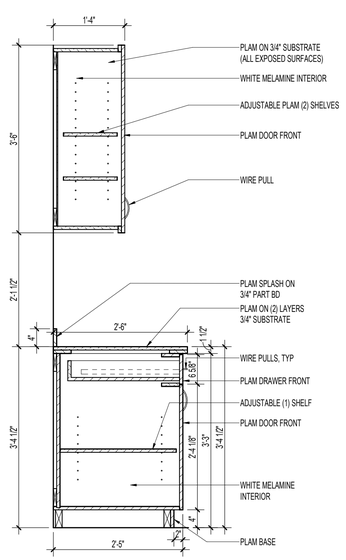
13 A7.1 BASE CABINET @ COFFEE BAR - 34" X 22"
3/4" = 1'-0"

14 A7.1 TRASH PULL OUT BASE CABINET @ COFFEE BAR - 34" X 22"
3/4" = 1'-0"

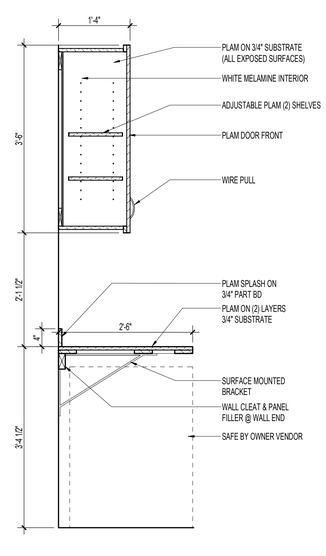
15 A7.1 CHECK COUNTER
1/4" = 1'-0"



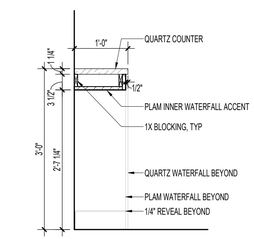
16 A7.1 SINK BASE CABINET W/ UPPER 40.5" X 25"
3/4" = 1'-0"



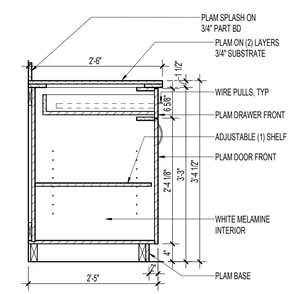
17 A7.1 1-DRAWER BASE CABINET W/ UPPER & SPLASH - 40.5" X 25"
3/4" = 1'-0"



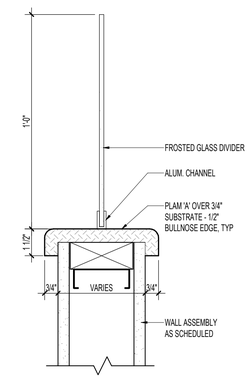
18 A7.1 COUNTER W/ UPPER & SPLASH - 40.5" X 25"
3/4" = 1'-0"



19 A7.1 CHECK COUNTER - 36" X 12"
3/4" = 1'-0"



20 A7.1 1-DRAWER BASE CABINET W/ SPLASH - 40.5" X 30"
3/4" = 1'-0"



21 A7.1 WALL CAP - PLAM
3" = 1'-0"

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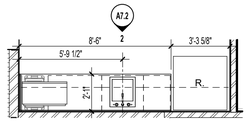
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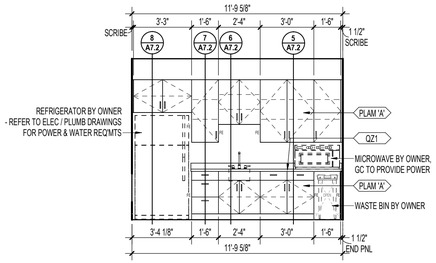
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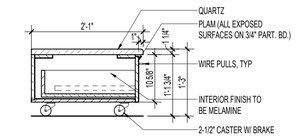
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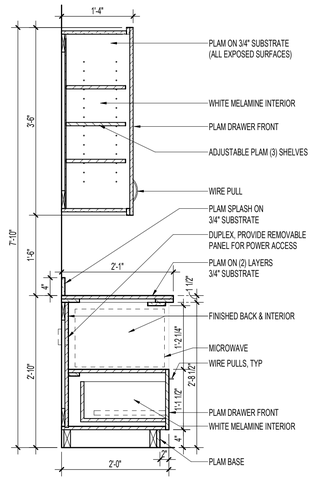
1 A7.2 **ENLARGED LOUNGE**
1/4" = 1'-0"



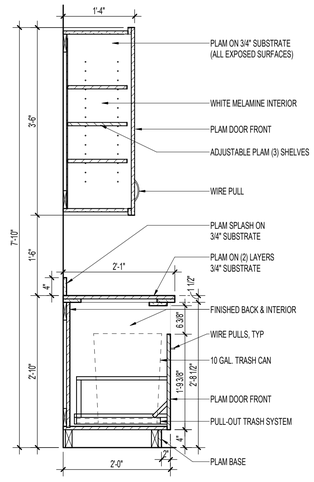
2 A7.2 **LOUNGE**
1/4" = 1'-0"



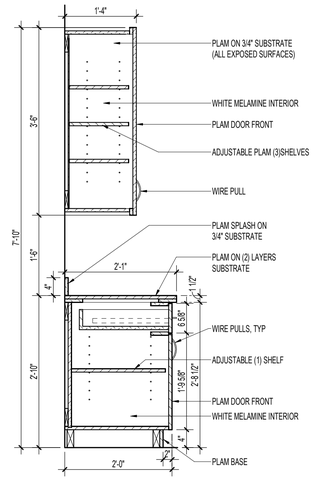
9 A7.2 **PRINTER CART - 1 DRAWER**
3/4" = 1'-0"



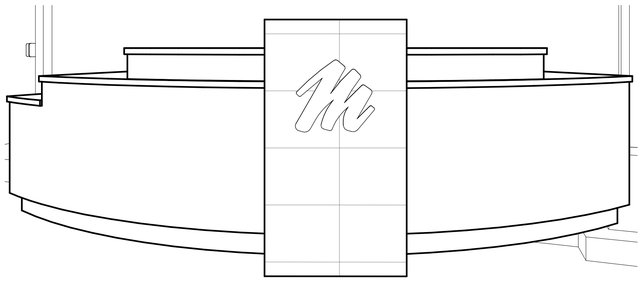
3 A7.2 **MICROWAVE BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



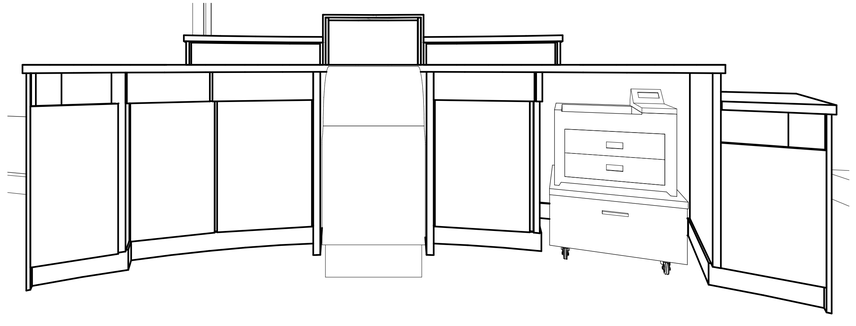
4 A7.2 **TRASH PULL OUT BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



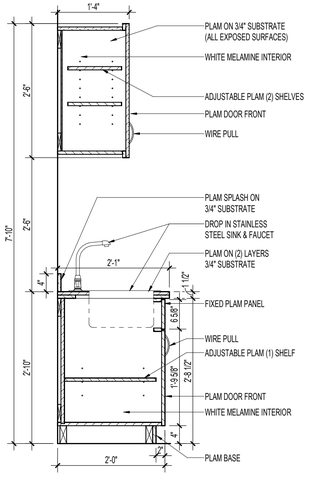
5 A7.2 **1-DRAWER BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



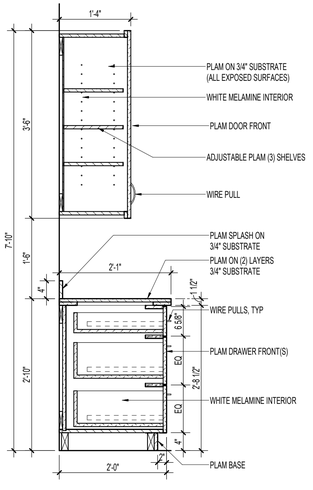
14 A7.2 **TELLER**



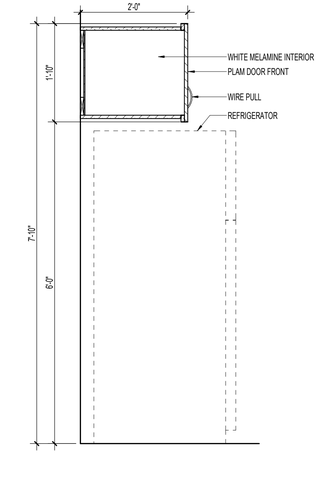
15 A7.2 **TELLER**



6 A7.2 **SINK BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



7 A7.2 **3-DRAWER BASE CABINET W/ UPPER - 34" X 25"**
3/4" = 1'-0"



8 A7.2 **REFRIGERATOR UPPER CABINET**
3/4" = 1'-0"

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FINISH SPECIFICATIONS:

SYMBOL	PRODUCT DESCRIPTION	MANUFACTURER	STYLE	COLOR	FINISH	SIZE	SPECIFICATIONS	REMARKS
TILE								
TL1	PORCELAIN FLOOR TILE	CERAMIC TILEWORKS	QUARTZITE	GREY		12" X 24"	PATTERN: 1/3 OFFSET GROUT: TBD	LOCATION: LOBBY, TOILET ROOMS CONTACT: KRISTA GARDNER @ CERAMIC TILEWORKS
TL2	CERAMIC WALL TILE	CERAMIC TILEWORKS	BUILDER BASIC	WHITE ICE	MATTE	4" X 16"	PATTERN: 1/2 OFFSET GROUT: TBD	LOCATION: TOILET ROOMS CONTACT: KRISTA GARDNER @ CERAMIC TILEWORKS
TL3	PORCELAIN WALL TILE	TILE BAR	KAI	ROYAL BLUE	CRACKLED GLOSSY	4" TRI-STACKED MOSAIC	PATTERN: VERTICAL; ENSURE SHEET JOINT WIDTH MATCHES TILE GROUT WIDTH FOR SEAMLESS LOOK GROUT: TBD	LOCATION: COFFEE BAR, TOILET ROOMS CONTACT: DENA TISOR @ TILE BAR
CARPET								
CPT1	CARPET TILE	MILLIKEN	HEAVY META | ALLOY	ALY152-118 | ZINC		25CM X 100CM	PATTERN: BRICK ASHLAR	LOCATION: LOBBY, TELLER, CASH-WORK, WORK-COPY, CONFERENCE, OFFICE, WELLNESS, STORAGE CONTACT: CARI KAPSNER @ MILLIKEN
CPT2	CARPET TILE	MILLIKEN	RELEVATION | WANDER	PWY52 | SAIL		50CM X 100CM	PATTERN: BRICK ASHLAR	LOCATION: WAITING AREA CONTACT: CARI KAPSNER @ MILLIKEN
CPT3	CARPET TILE - WALK OFF	MILLIKEN	OBEX | CUT / STIPPLE	STC119 | DARK GREY		50CM X 50CM	PATTERN: QUARTER TURN	LOCATION: VESTIBULE, EMPLOYEE ENTRANCE, CLOSET CONTACT: CARI KAPSNER @ MILLIKEN
SEALED CONCRETE								
SC1		TBD	TBD	TBD				
BASE								
VB1	VINYL BASE	FLEXCO	COVED	78 | UMBER		4" HIGH		LOCATION: TYPICAL WALL BASE CONTACT: TBD
PAINT								
PT1	PAINT	SHERWIN WILLIAMS	6070	HERON PLUME	EGGSHELL			LOCATION: TYPICAL
PT2	PAINT	SHERWIN WILLIAMS	9150	ENDLESS SEA	EGGSHELL			LOCATION: ACCENT
PT3	PAINT	SHERWIN WILLIAMS	7069	IRON ORE	SATIN			LOCATION: HM DOORS, HM FRAMES, RAILINGS
PT4	PAINT	SHERWIN WILLIAMS	7007	CEILING BRIGHT WHITE	SATIN			LOCATION: TOILET ROOMS, UTILITY ROOM
PT5	PAINT	SHERWIN WILLIAMS	7007	CEILING BRIGHT WHITE	FLAT			LOCATION: GYP BD CEILINGS, SOFFITS, BULKHEADS, EXPOSED STRUCTURE
WALL COVERING								
WC1	WALL COVERING	MDC	BEAD BARE | BBBB06	NAVY NIBBLET				LOCATION: WAITING CONTACT: JESSIE SYDNES @ MDC
PLASTIC LAMINATE								
PLAM 'A'	PLASTIC LAMINATE	WILSONART	7971-12	UPTOWN WALNUT	SOFTGRAIN		INSTALLATION: VERTICAL GRAIN	LOCATION: TYPICAL MILLWORK CONTACT: LYNETTE STENDE @ WILSONART
PLAM 'B'	PLASTIC LAMINATE	WILSONART	4945-38	ORGANIC COTTON	FINE VELVET			LOCATION: COUNTERTOPS WHERE NOTED ON ELEVATIONS/DETAILS CONTACT: LYNETTE STENDE @ WILSONART
PLAM 'C'	PLASTIC LAMINATE	ARBORITE	S577	GRAPHITE	CA			LOCATION: TYPICAL MILLWORK BASE CONTACT: RANDY BECKSTROM @ JAECKLE DISTRIBUTORS
QUARTZ SURFACE								
QZ1	QUARTZ SURFACE	CAMBRIA	LUXURY SERIES	HARLOW	MATTE		EDGE PROFILE: RIDGELINE (TR3)	LOCATION: TELLER LINE, COFFEE BAR, CHECK DESK, FIREPLACE CONTACT: KELSEY BARRETT @ CAMBRIA
WOOD								
WD1	WOOD SPECIES		MAPLE??	TO MATCH PLAM 'A'				LOCATION: WOOD DOORS, WOOD VENEER
STAIN								
WS1	WOOD STAIN			TO MATCH PLAM 'A'				LOCATION: WOOD DOORS, WOOD VENEER
TRIM								
TR1	WALL TILE TRIM	SCHLUTER	DILEX-AHK	NA	TBD	NA		LOCATION: TOILET ROOMS - FLOOR TO WALL & INSIDE CORNER TRANSITIONS NOTE: USE COORDINATING CONNECTORS AND CORNER ACCESSORIES AT ALL CORNERS AND SEAMS
TR2	WALL TILE TRIM	SCHLUTER	JOLLY	TBD	TBD	NA		LOCATION: TOILET ROOMS - TILE TERMINATION NOTE: USE COORDINATING CONNECTORS AND CORNER ACCESSORIES AT ALL CORNERS AND SEAMS
TR3	FLOOR TRIM	SCHLUTER	SCHIENE	TBD	TBD			LOCATION: LOBBY - TILE TO CPT TRANSITION
WINDOW COVERINGS								
WIN1	WINDOW COVERINGS	DRAPER	MANUAL | CLUTCH OPERATED FLEXSHADE NEXD				SHADE: E SCREEN 3% SHADE COLOR: CHARCOAL/CHARCOAL FASCIA/HARDWARE FINISH: TO MATCH STOREFRONT FRAME HEM BAR: STANDARD - SEALED END	LOCATIONS: AS NOTED ON FINISH PLAN CONTACT: DAN LESLIE @ DRAPER INC
CEILING								
ACT1	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD
ACT2	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD
GWB	ACOUSTICAL CEILING TILE	TBD	TBD					LOCATION: TBD CONTACT: TBD

FINISH GENERAL NOTES:

1. ALL CARPET IS TO BE LAID WITH THE GRAIN RUNNING IN THE SAME DIRECTION, UNLESS NOTED OTHERWISE.
2. ALL CARPET OF EACH TYPE MUST BE FROM THE SAME DYE LOT.
3. CARE SHALL BE TAKEN TO KEEP ADHESIVE OFF THE FACE OF CARPET, ADJACENT WALLS AND SURFACES.
4. ANY SUCH SMEARS SHALL BE REMOVED IMMEDIATELY.
5. ANY DAMAGE TO ADJACENT WALLS, SURFACES AND EQUIPMENT RESULTING FROM THE INSTALLATION OF FINISHES ARE TO BE THE RESPONSIBILITY OF THE SUB-CONTRACTOR CAUSING THE DAMAGE.
6. ALL CARPET SEAMS ARE TO BE BOUND WITH SEAM ADHESIVE.
7. NO SUBSTITUTIONS FOR THE SPECIFIED FINISHES WILL BE ACCEPTED WITHOUT APPROVAL OF THE ARCHITECT.
8. LEAD TIMES MAY BE AN ISSUE! CONFIRM LEAD TIMES WITH ALL MANUFACTURERS NO LESS THAN 8 WEEKS PRIOR TO INSTALLATION OF MATERIALS. ALL MATERIALS MUST BE ORDERED IN TIME TO ALLOW FOR ON-TIME PROJECT COMPLETION.
9. FLOORING CONTRACTOR TO FURNISH AND INSTALL FLOOR FILLER WHERE NEEDED TO TRANSITION BETWEEN DIFFERENT FLOOR MATERIALS WHERE NOTED AND/OR OTHERWISE REQUIRED.
10. PROVIDE ADA APPROVED TRANSITIONS BETWEEN ALL FLOOR FINISHES.

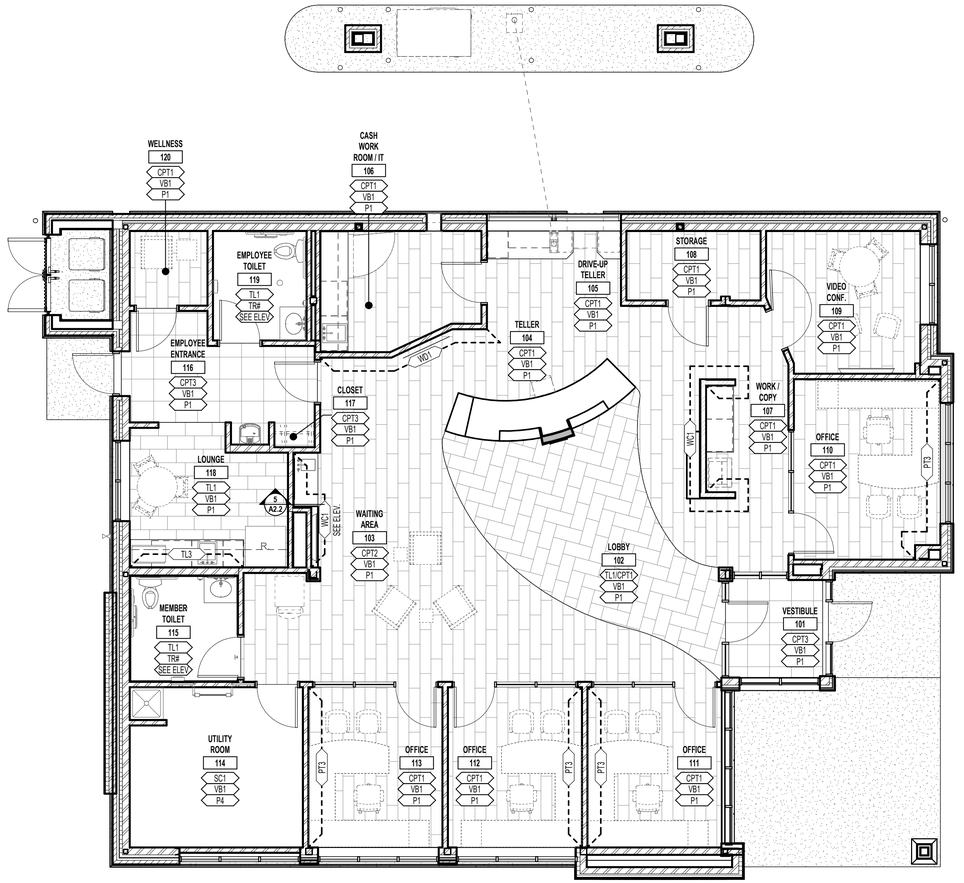
ROOM FINISH SYMBOLS

ROOM FINISH TAG — ROOM NAME / 101 / FLOOR FIN. / BASE FIN. / WALL FIN.

FLOORING FINISH TAG — CPT1

WALL FINISH TAG — PT1

ARROWS DENOTE EXTENTS OF FINISH. TEXT INDICATES MATERIAL TYPE. SEE FINISH SPECIFICATIONS FOR MATERIAL INFORMATION.



1 / F1 **MAIN LEVEL FINISH PLAN**
3/16" = 1'-0"

PLAN NORTH

HTG architects
www.htg-architects.com
Minneapolis Bismarck
1010 Mainstreet, Suite 100
Hopkins, MN 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

BID SET	03/27/2026
REVISIONS	
DATE	NO

WISCONSIN SEAN RABOIN 12055 HOPKINS MN ARCHITECT

SEAN C. RABOIN
12055 — Reg No.
03/27/2026 — Date

FINISH PLANS AND SCHEDULES

Drawn By: Author — Checked By: Checker

F1

251167

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GENERAL STRUCTURAL NOTES

DESIGN CODES:

WISCONSIN COMMERCIAL BUILDING CODE CONTAINED IN CHS.
SPS 361-366 OF THE STATE'S ADMINISTRATIVE CODE EDITION #811 (2021 IBC AS AMENDED)
ASCE 7-16 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

DESIGN LOADS:

20 PSF ---------- ROOF DEAD LOAD UNO
40 PSF ---------- GROUND SNOW LOAD (Pg)
(2021 IBC AS AMENDED)
Ce ----- 1.0
Ct ----- 1.0 TYPICAL
Ct ----- 1.2 AT CANOPIES
I -------- 1.0
Cs ------ 1.0
28 PSF ---------- ROOF SNOW LOAD (PLUS SNOW DRIFTING) TYPICAL
34 PSF ---------- ROOF SNOW LOAD (PLUS SNOW DRIFTING) AT CANOPIES

108 MPH ---------- ULTIMATE DESIGN WIND SPEED
84 MPH---------- NOMINAL DESIGN WIND SPEED
II ---------- RISK CATEGORY
B ---------- EXPOSURE CATEGORY
± 0.18 ---------- INTERNAL PRESSURE COEFFICIENT
7 FT ---------- END ZONE WIDTH (a)

COMPONENT AND CLADDING ULTIMATE WIND PRESSURES (PSF)

ZONE \ EFFECTIVE AREA	20 FT²	50 FT²	100 FT²	PARAPET	
				WINDWARD	LEEWARD
INTERIOR ZONE	17.6	16.6	16.0	50.7	29.9
END ZONE	21.0	19.1	17.6	64.9	34.2

1.0 ---------- SEISMIC IMPORTANCE FACTOR (I)
II ---------- RISK CATEGORY
D ---------- ASSUMED SITE CLASS
A ---------- SEISMIC DESIGN CATEGORY
0.051g ---------- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (SS)
0.039g ---------- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (S1)
0.055g ---------- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (SDS)
0.063g ---------- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (SD1)

4000 PSF---------- ALLOWABLE SOIL BEARING PRESSURE

NOTES:

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE TEMPORARY SHORING AND LATERAL BRACING FOR ALL STRUCTURAL ELEMENTS INCLUDING WALLS, COLUMNS, BEAMS, LINTELS, ETC. FOR WIND, SOIL AND CONSTRUCTION LATERAL AND GRAVITY LOADS. THE BRACING MUST REMAIN IN PLACE UNTIL PERMANENT STRUCTURAL SUPPORTS, INCLUDING ROOF AND FLOOR DIAPHRAGMS ARE INSTALLED AND HAVE REACHED THEIR ALLOWABLE SERVICE STRESSES.
2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT CONSTRUCTION CONFORMS TO THE LATEST OSHA SAFETY REQUIREMENTS. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY REVISIONS ARE REQUIRED TO THE DRAWINGS DUE TO OSHA SAFETY REQUIREMENTS.
3. GEOTECHNICAL ENGINEER SHALL FIELD VERIFY SOIL BEARING CAPACITY. NOTIFY ARCHITECT AND ENGINEER IF ANY DISCREPANCIES ARE FOUND.
4. THIS PROJECT IS NOT DESIGNED FOR FUTURE CONSTRUCTION.
5. THE ROOF STRUCTURE HAS BEEN REVIEWED FOR PONDING INSTABILITY BASED ON A 15 MINUTE DURATION/100-YEAR RAINFALL INTENSITY OF 7.0 IN/HR AND A MAXIMUM STATIC HEAD OF 3" AND HYDRAULIC HEAD OF 5" AT THE SECONDARY DRAINAGE INLET. THE PLUMBING CONTRACTOR'S ENGINEER MUST CONFIRM THAT THE PROPOSED SECONDARY DRAINAGE SIZES ARE ADEQUATE TO MAINTAIN SECONDARY DRAINAGE FLOW AS NOTED ABOVE.

SUBMITTALS:

ALL SUBMITTED STRUCTURAL SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE WITH THE INFORMATION GIVEN AND DESIGN CONCEPTS EXPRESSED IN THE CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS IS NOT CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF DETAILS SUCH AS DIMENSIONS AND QUANTITIES AS REQUIRED BY THE CONTRACT DOCUMENTS.

DEFERRED SUBMITTALS:

THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS DEFERRED SUBMITTALS PER IBC SECTION 107.3.4.1:

A. METAL LADDERS AND RAILINGS AND THEIR CONNECTION TO THE BUILDING STRUCTURE
B. METAL CANOPIES AND SUNSHADES AND THEIR CONNECTION TO THE BUILDING STRUCTURE
C. COLD FORMED STEEL FRAMING

FOR ALL DEFERRED STRUCTURAL SUBMITTALS, INCLUDE CALCULATIONS PREPARED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL SHOP DRAWING REQUIREMENTS.

SOILS AND FOUNDATIONS:

1. FOUNDATIONS, SLABS ON GRADE AND OTHER ITEMS RELATED TO THE SOILS ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF CHOSEN VALLEY TESTING, INC. GEOTECHNICAL EVALUATION REPORT 26630.25.WIL DATED MARCH 11, 2026
2. MINIMUM DEPTH FROM EXTERIOR GRADE TO BOTTOM OF BUILDING PERIMETER FOOTINGS SHALL BE 48".
3. MINIMUM DEPTH FROM EXTERIOR GRADE TO BOTTOM OF FOOTINGS AT UNHEATED STRUCTURES SHALL BE 60".
4. ALL FOOTINGS ARE CENTERED UNDER WALLS, PILASTERS AND COLUMNS ABOVE UNO.
5. ALL FOUNDATION WALLS SHALL BE LATERALLY BRACED BEFORE BACKFILLING AND COMPACTING.
6. DO NOT BACKFILL AROUND STEEL COLUMNS UNTIL CORROSION RESISTANT ASPHALTIC COATING HAS BEEN INSTALLED BY THE STRUCTURAL STEEL ERECTOR.
7. COORDINATE ALL UNDERGROUND PIPING OR DUCTWORK LOCATIONS AND ELEVATIONS WITH THE MECHANICAL CONTRACTOR. ADJUST FOOTING ELEVATIONS AND PROVIDE SLEEVES PER WALL FOOTING AT UNDERGROUND LINES DETAIL FOR PIPING OR DUCTWORK PARALLEL TO FOOTING, BOTTOM OF FOOTING ELEVATION SHOULD BE NO HIGHER THAN THE PIPE OR DUCTWORK INVERT ELEVATION PLUS THE HORIZONTAL DISTANCE BETWEEN EDGE OF FOOTING AND EDGE OF PIPING OR DUCTWORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL OF ANY DEVIATIONS PRIOR TO COMMENCING WORK.

CAST-IN-PLACE CONCRETE:

1. DESIGN CODES: IBC CHAPTER 19 & ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE & ACI DETAILING MANUALS LATEST EDITION.
2. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE:

TYPE	STRENGTH	LOCATION
A	f'c=3000 PSI	MASONRY CORE FILL AND BOND BEAMS WITH 3/8" MAX AGGREGATE SIZE
B	f'c=4000 PSI	INTERIOR SLABS ON GRADE WITH 3/4" MAX AGGREGATE SIZE
C	f'c=3000 PSI	FOOTINGS
D	f'c=4000 PSI	EXTERIOR PIERS & FOUNDATION WALLS - AIR ENTRAINED 6% +/- 1.5%. - MAX WATER/CEMENT RATIO = 0.50
E	f'c=4000 PSI	INTERIOR PIERS & FOUNDATION WALLS
F	f'c=4500 PSI	EXPOSED EXTERIOR CONCRETE - AIR ENTRAINED 6% +/- 1.5%. - MAX WATER/CEMENT RATIO = 0.45

3. REINFORCING STEEL PROPERTIES:
   A. DEFORMED BARS - ASTM A615 GRADE 60 UNO. USE ASTM A706 GRADE 60 FOR WELDABLE REBAR
   B. WELDED WIRE FABRIC - ASTM A1064
4. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUALS.
   A. FOR PIERS WITH A CROSS SECTION LARGER THAN 18"x18" AND WITH MORE THAN 4 LONGITUDINAL BARS, ADDITIONAL CROSS TIES (TYPE T9 PER ACI 315) OF SAME SIZE AND SPACING AS MAIN TIES, SHALL BE PROVIDED TO ENSURE THAT ALL NON CORNER BARS ARE LATERALLY SUPPORTED BY THE CORNER OF A TIE
5. SHOP DRAWINGS FOR REINFORCING STEEL AND CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR APPROVAL.
6. PLACE ALL ITEMS PER APPROVED SHOP DRAWINGS AND APPROVED MIX DESIGNS.
7. PROVIDE ALL ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECESSARY TO SECURE REINFORCING PER "ACI DETAILING MANUAL" NO OTHER METHODS OR MATERIALS WILL BE ACCEPTABLE.
8. PROVIDE PLASTIC CHAIRS AND SUPPORTS IN ALL AREAS OF EXPOSED CONCRETE.
9. PROVIDE MINIMUM CONCRETE COVER FOR ALL REINFORCING AS FOLLOWS UNO:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---------- 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18 BARS ---------- 2" / #5 BARS AND SMALLER---------- 1 1/2"
10. PROVIDE CONTINUOUS WALL FOOTING THICKNESS AND BOTTOM REINFORCING AS FOLLOWS (PLACE LONGITUDINAL REINFORCING ABOVE TRANSVERSE REINFORCING):

FOOTING WIDTH	THICKNESS	LONG REINF	TRANSV REINF
1'-8" OR LESS	10"	(2) #5	----------
1'-9" TO 2'-8"	12"	(2) #5	----------
2'-9" TO 3'-4"	14"	(3) #5	----------

11. PROVIDE FOOTING DOWELS FOR CONCRETE OR MASONRY WALLS AND COLUMNS. DOWELS SHALL BE SAME SIZE AND SPACING AS WALL AND COLUMN VERTICAL REINFORCING AND SHALL PROJECT FROM FOOTINGS TO PROVIDE LAP SPLICES AS INDICATED BELOW OR IN THE MASONRY NOTES. PROVIDE 90 DEGREE STANDARD HOOK IN COLUMN AND FREE STANDING WALL FOOTING DOWELS UNO.
12. PROVIDE LAP SPLICES FOR CONCRETE REINFORCING AS FOLLOWS:
   A. TYPICAL LAP SPLICES SHALL BE UNO: #6 BARS AND SMALLER ---------- 44 BAR DIAMETERS / #7 THROUGH #11 BARS ---------- 56 BAR DIAMETERS
   B. THE MINIMUM LAP SPLICE LENGTH FOR ALL SPLICES FOR CONCRETE REINFORCING SHALL BE 24"
13. PROVIDE MINIMUM CONCRETE WALL REINFORCING AS FOLLOWS UNO:

WALL THICKNESS	VERT REINF	HORIZ REINF
6"	#4 @ 16" O.C. CTRD	#4 @ 16" O.C. CTRD
11"	#4 @ 16" O.C. EF	#4 @ 16" O.C. EF
14" AND 15"	#4 @ 16" O.C. EF	#4 @ 12" O.C. EF
20"	#4 @ 12" O.C. EF	#5 @ 15" O.C. EF

14. PROVIDE EXTRA REINFORCING ON ALL SIDES OF ALL CONCRETE WALL AND SLAB OPENINGS EQUAL TO ONE HALF THE INTERRUPTED REINFORCING IN EACH DIRECTION, UNO ON THE DRAWINGS. A MINIMUM OF (1) #5 SHALL BE PROVIDED FOR EACH LAYER OF REINFORCEMENT. EXTEND BARS PAST EDGE OF OPENING THE LAP SPLICE NOTED ABOVE. PROVIDE AN ADDITIONAL #4X4'-0" DIAGONAL BAR AT EACH CORNER FOR EACH LAYER OF REINFORCING.
15. HOT WEATHER AND COLD WEATHER CONCRETE PROVISIONS OF ACI 305R-10 AND ACI 306R-16 SHALL BE FOLLOWED.
16. PROVIDE CONCRETE WALL VERTICAL CONTROL JOINTS FOR WALLS AS FOLLOWS UNO:

WALL THICKNESS	MAXIMUM CONTROL JOINT SPACING
6" TO 11"	24'-0" O.C.
14" TO 20"	34'-0" O.C.

MASONRY:

1. DESIGN CODES: IBC CHAPTER 21, TMS 402-16 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND TMS 602-16, SPECIFICATION FOR MASONRY STRUCTURES.
2. HOLLOW CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT UNITS PER ASTM C90 REQUIREMENTS. f'm=2000 PSI.
3. ALL MORTAR FOR WALLS ABOVE GRADE SHALL BE TYPE 'S'.
4. MORTAR PER ASTM C270. MINIMUM 28 DAY COMPRESSIVE STRENGTH: TYPE 'S'=1800 PSI
5. COARSE GROUT PER ASTM C476. NO GROUT IS TO BE HAND MIXED ON SITE.
6. MASONRY CEMENT SHALL NOT BE USED IN MORTAR OR GROUT.
7. REINFORCING STEEL:
   A. DEFORMED BARS: ASTM A615 GRADE 60
   B. JOINT REINFORCEMENT: ASTM A1064
8. SUBMIT MORTAR AND GROUT DESIGN MIXES FOR APPROVAL.
9. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL.
10. WIRE JOINT REINFORCING FOR CONCRETE BLOCK WALLS SHALL BE STANDARD CORROSION RESISTANT 9 GAGE LADDER TYPE (PROVIDE TRI-ROD LADDER FOR MULTI WYTHE WALLS). INSTALL JOINT REINFORCING PER MANUFACTURER'S RECOMMENDATIONS AT A MAXIMUM SPACING 16" O.C. UNO ON DRAWINGS OR PROJECT SPECIFICATIONS.
11. INSTALL MASONRY VERTICAL AND HORIZONTAL REINFORCING PER IBC REQUIREMENTS AND AS FOLLOWS:
   A. SEE PLANS, DETAILS AND SCHEDULES FOR REQUIRED REINFORCING
   B. PROVIDE FULL MORTAR BEDDED FACE SHELLS AND WEBS AROUND ALL GROUTED CELLS FOR BEARING AND TO PREVENT LEAKAGE INTO ADJACENT CELLS
   C. PLACE VERTICAL REINFORCING PRIOR TO PLACING GROUT.
   D. PROVIDE REINFORCEMENT POSITIONERS TO HOLD VERTICAL REINFORCEMENT IN PROPER POSITION AT TOP AND BOTTOM OF ALL LIFTS. LENGTH OF REINFORCING BARS TO BE COORDINATED WITH CONCRETE AND MASONRY CONTRACTORS
   E. GROUT ALL CORES CONTAINING REINFORCING SOLID
   F. MASONRY WALL CELLS TO BE GROUTED WITH CONCRETE SHALL BE FILLED IN MAXIMUM 4'-0" LIFTS. REMOVAL ALL OVERHANGING OBSTRUCTION AND DEBRIS FROM THE CELLS PRIOR TO GROUTING
   G. CONSOLIDATE ALL GROUT BY RODDING OR VIBRATING
   H. PROVIDE REINFORCEMENT LAP SPLICES PER TABLES BELOW:

BARS CENTERED IN WALL			
BAR SIZE	6" CMU	8" CMU	10" CMU & WIDER
#4	24"	24"	24"
#5	-----	30"	30"
#6	-----	38"	36"
#7	-----	-----	42"

BARS PLACED AT INSIDE OR OUTSIDE FACE OF WALL			
BAR SIZE	6" CMU	8" CMU	10" CMU & WIDER
#4	-----	24"	24"
#5	-----	30"	30"
#6	-----	57"	57"
#7	-----	-----	80"

   J. PROVIDE CORNER BAR WITH 2'-0" x 2'-0" LEGS FOR EACH HORIZONTAL BOND BEAM BAR AT CORNERS AND INTERSECTING WALLS
12. MASONRY VERTICAL CONTROL JOINTS:
   A. COORDINATE JOINTS AND CONSTRUCTION DETAILS WITH ARCHITECT. MAXIMUM JOINT SPACING IS 24'-0"
   B. LOCATE JOINTS 2'-0" FROM ALL CORNERS AND EDGE OF ALL OPENING EXCEPT AS NOTED PER SECTIONS AND DETAILS
   C. FOR LOAD BEARING MASONRY, CONTINUE BOND BEAM REINFORCING AND GROUT THROUGH CONTROL JOINTS
   D. FORM CONTROL JOINTS IN BLOCK WITH JAMB BLOCK WITH NEOPRENE INSERTS, OR ROD AND CAULK. CONTRACTOR OPTION: USE STANDARD BLOCK, LINE ONE SIDE WITH BUILDING PAPER AND GROUT SOLID TO FORM KEYWAY

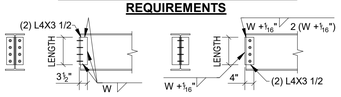
STEEL - STRUCTURAL:

1. DESIGN CODES: IBC CHAPTER 22, AISC 360-16, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303-16, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. STEEL PROPERTIES:
   A. ASTM A992 (Fy=50 KSI) FOR WIDE FLANGE SHAPES
   B. ASTM A500 GRADE C (Fy=50 KSI) FOR TUBULAR MEMBERS
   C. ASTM A36 STEEL (Fy=36 KSI) FOR ALL OTHER MEMBERS UNO
   D. ASTM F3125 GRADE A325 OR GRADE F1852 UNO FOR CONNECTION BOLTS
   E. ASTM F1554 GRADE 36 FOR ANCHOR BOLTS UNO
   F. WELDS = AMERICAN WELDING SOCIETY (AWS) E70XX ELECTRODES
3. PROVIDE 5000 PSI NON-SHRINK GROUT UNDER ALL STEEL BASE AND BEARING PLATES PER THE SECTIONS AND DETAILS. GROUT PLATES PRIOR TO LOADING ROOF MEMBERS WITH PRECAST PLANK OR DECKING MATERIALS.
4. PROVIDE CORROSION RESISTANT ASPHALTIC COATING OR EQUAL AROUND ALL STRUCTURAL STEEL BELOW GRADE.
5. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) - D1.1 LATEST EDITION.
6. STRUCTURAL STEEL FABRICATOR SHALL FURNISH ALL PLATES AND ANGLES CAST IN CONCRETE AND MASONRY FOR CONNECTING STEEL JOISTS, BEAMS, COLUMNS, DECK, ETC UNO. SEE APPLICABLE NOTES ON THIS SHEET AND COORDINATE WITH MASONRY AND CONCRETE CONTRACTORS.
7. ALL COLUMN BASE AND CAP PLATES TO BE WELDED AROUND ALL SIDES.
8. PRIME PAINT PER AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS SECTION 6.5, UNO ON ANY CONSTRUCTION DOCUMENTS.
9. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED. TOUCH-UP WELDS AND REPAIR HOT-DIP GALVANIZED COATING PER ASTM A780.
10. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE HOLES FOR JOIST ERECTION BOLTS AS REQUIRED BY OSHA. HOLES SHALL BE 9/16"Ø FOR K-SERIES JOISTS.
11. STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.
12. MISCELLANEOUS STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL, INCLUDING STRUCTURAL CALCULATIONS FOR STAIRS, LADDERS, RAILINGS AND THEIR CONNECTIONS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

STEEL - STRUCTURAL (CONT):

1. PROVIDE DOUBLE ANGLE SIMPLE SHEAR CONNECTIONS AS SHOWN BELOW. ALTERNATE CONNECTIONS WILL BE ALLOWED PROVIDED THAT CONNECTION DESIGN CALCULATIONS, CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, ARE SUBMITTED BY THE FABRICATOR FOR REVIEW.

BOLTED/WELDED BEAM CONNECTION REQUIREMENTS



BEAM SIZE	# OF ROWS OF 3/4"Ø BOLTS	CONN ANGLES		WELD SIZE
		THICKNESS	LENGTH	
W36	10	3/8"	2'-5 1/2"	1/4"
W33	9	3/8"	2'-2 1/2"	1/4"
W30	8	3/8"	1'-11 1/2"	1/4"
W27	7	3/8"	1'-8 1/2"	1/4"
W24	6	3/8"	1'-5 1/2"	1/4"
W21	5	3/8"	1'-2 1/2"	1/4"
W18	4	3/8"	0'-11 1/2"	1/4"
W16	4	5/16"	0'-11 1/2"	1/4"
W14	3	5/16"	0'-8 1/2"	1/4"
W12	3	5/16"	0'-8 1/2"	1/4"
W10	2	5/16"	0'-5 1/2"	1/4"
W8	2	5/16"	0'-5 1/2"	1/4"

NOTES:
1. USE E70XX ELECTRODES.
2. BOLTS SHALL BE TIGHTENED IN PROPERLY ALIGNED HOLES TO A SNUG-TIGHT CONDITION AS DEFINED BY THE LATEST EDITION OF AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" UNO.
3. USE BENT PLATES AS REQUIRED AT SKEWED BEAMS.
4. CONTRACTOR OPTION TO USE ALL-BOLTED OR ALL-WELDED CONNECTIONS.

STEEL - JOISTS:

1. DESIGN CODE: STEEL JOIST INSTITUTE (SJI) "STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS" LATEST EDITION.
2. ALL JOISTS SHALL BE CAMBERED PER SJI SPECIFICATIONS UNO.
3. PROVIDE END BEARING DEPTH AND BEARING LENGTH PER SJI SPECIFICATIONS, UNO.
4. WHERE JOISTS BEARS ON A BEAM ON ONE SIDE ONLY, BEARING LENGTH TO EQUAL TO THE BEAM FLANGE WIDTH. WHERE JOISTS BEAR ON A BEAM ON BOTH SIDES, BUTT JOISTS OR PROVIDE A 1/2" MAX GAP, BUT MAINTAINING THE REQUIRED MINIMUM JOIST BEARING LENGTH, PROVIDE EXTENDED ENDS WHERE REQUIRED OR SHOWN ON DRAWINGS.
5. STEEL JOISTS LOCATED AT COLUMNS AND ALL JOISTS 40'-0" OR GREATER IN LENGTH SHALL BE BOLTED TO BEAMS TO MEET OSHA REQUIREMENTS. ERECT BOLTED JOISTS FIRST AND WELD WHEN OTHER JOISTS ARE INSTALLED. IF JOIST IS NOT LOCATED AT COLUMN CENTER LINE, PROVIDE OSHA BOLTED CONNECTION AT FIRST JOIST EACH SIDE OF COLUMN.
6. FIELD WELD ALL STEEL JOISTS TO BEAMS, COLUMNS, ANGLES OR PLATES CAST IN MASONRY OR CONCRETE PER SJI SPECIFICATIONS UNO.
7. ALL STEEL JOIST BRIDGING AND ITS ANCHORAGE SHALL BE DESIGNED AND PROVIDED BY JOISTS MANUFACTURER PER SJI SPECIFICATIONS UNO. COORDINATE LOCATIONS WITH MECH CONTRACTOR TO MISS SPRINKLER HEADS AND DUCTWORK.
8. THE JOIST MANUFACTURER SHALL BE RESPONSIBLE FOR AND SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL. CALCULATIONS FOR ALL SPECIAL JOISTS SHALL BE CERTIFIED AND SUBMITTED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
9. THE DESIGN OF ALL JOIST MEMBERS AND ELEMENTS SHOWN ON THE DRAWINGS ARE FOR THE IN-PLACE COMPLETED BUILDING. ALL LOADING CRITERIA AND VERIFICATION OF DESIGN FOR LOADING, SUCH AS HANDLING, TRANSPORTATION AND ERECTION ARE THE SOLE RESPONSIBILITY OF THE JOIST MANUFACTURER.
10. SPECIAL JOISTS SHALL BE DESIGNED FOR THE SERVICE LOADS INDICATED ON THE DRAWINGS.
11. JOISTS AND STRUCTURAL STEEL FABRICATORS SHALL SHOW ALL FIELD WELDING REQUIREMENTS ON SHOP DRAWINGS.
12. STEEL JOISTS SHALL BE SHOP PRIMED WITH STANDARD PRIMER UNO. VERIFY COLOR WITH ARCHITECTURAL DRAWINGS.
13. STEEL ROOF JOISTS ARE DESIGNED FOR THE FOLLOWING SPRINKLER PIPE LOADS:
   A. A SINGLE 4" DIAMETER MAIN RUNNING PARALLEL TO JOIST OR A SINGLE 6" MAIN TRAPEZED BETWEEN TWO JOISTS, OR
   B. A SINGLE 4" MAIN RUNNING PERPENDICULAR TO JOIST AND HUNG AT A MINIMUM OF EVERY OTHER JOIST OR A SINGLE 6" MAIN RUNNING PERPENDICULAR TO JOIST AND HUNG AT EVERY JOIST
   C. FIRE PROTECTION CONTRACTOR SHALL ARRANGE SPRINKLER PIPES TO SATISFY JOIST DESIGN OR PROVIDE SPRINKLER PIPE LAYOUT AND LOADS AS WATER FILLED PIPE TO JOIST SUPPLIER TO DESIGN SPRINKLER PIPES AS ADDED JOIST LOADS

STEEL - DECK:

1. DESIGN CODE: STEEL DECK INSTITUTE (SDI): "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" LATEST EDITION.
2. STEEL ROOF DECK SHALL CONFORM TO EITHER ASTM A653 OR A1063 FOR DECK THAT IS GALVANIZED AND SHALL CONFORM TO EITHER ASTM A1008 OR A1039 FOR DECK THAT IS NOT GALVANIZED. DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. DECK SIZE, TYPE AND GAUGE TO BE AS INDICATED ON PLANS.
3. FASTEN STEEL DECK TO ALL INTERIOR STEEL SUPPORTS AS SHOWN ON PLANS. PROVIDE FASTENERS AT 6" O.C. TO PLATE, ANGLE OR BEAM AT BUILDING PERIMETER UNO. SIDELAP FASTENING SHALL BE AS INDICATED ON PLANS.
4. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) - D1.3 LATEST EDITION. ALL HILTI PAF'S SHALL BE FASTENED BY TRAINED AND CERTIFIED INSTALLERS ON THE GENERAL USE OF POWDER-ACTUATED TECHNOLOGY FOR ATTACHMENT OF THE STEEL DECK.
5. SPAN DECK SECTION MINIMUM (3) SPANS CONTINUOUS, UNO.
6. THE STEEL DECK FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.

STEEL - DECK (CONT):

7. STEEL ROOF DECK TO BE SHOP PRIMED WITH STANDARD PRIMER UNO. VERIFY COLOR WITH ARCHITECTURAL DRAWINGS.
8. STEEL ROOF DECK SHALL HAVE GALVANIZED FINISH EQUAL TO G30 MINIMUM.

COLD FORMED STEEL FRAMING:

1. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS ONLY CONCEPTUAL AND IS INTENDED TO EXPRESS MINIMUM COLD-FORMED STEEL SYSTEM MATERIAL, DESIGN AND CONSTRUCTION PERFORMANCE CRITERIA. THE COLD-FORMED STEEL SYSTEM SUPPLIER SHALL PROVIDE AND SUBMIT FOR APPROVAL THE FINAL STRUCTURAL ENGINEERING DESIGN WHICH INCLUDES DETAILED SHOP DRAWINGS AND CALCULATIONS OF THE MEMBER SIZES, THICKNESS, SPACING AND ALL CONNECTIONS. ALL SUBMITTALS MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
2. DESIGN CODES:
   A. IBC CHAPTER 22, SECTION 2210 AND 2211-COLD FORMED STEEL AND LIGHT-FRAMING CONSTRUCTION. SEE PLANS FOR SIZE AND THICKNESS OF STUDS
   B. 2016 AISI NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
3. SEE ARCH FOR REQUIRED SIZE AND MINIMUM THICKNESS OF STUDS. YIELD STRESS SHALL BE 33KSI FOR 33 MIL AND 43 MIL MEMBERS AND 50KSI FOR ALL OTHER MEMBERS.

MEMBER DEPTH IN HUNDREDS OF INCHES (EX. 600=6")
FLANGE WIDTH OF MEMBER IN HUNDREDS OF INCHES (EX. 162=1 5/8", 200=2")
600S162-43
MEMBER TYPE S=STUD, T=TRACK
MEMBER THICKNESS IN MILS

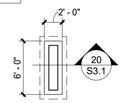
MILS TO GAUGE CONVERSION CHART	
MILS	GAUGE
33	20 GA
43	18 GA
54	16 GA
68	14 GA
97	12 GA

4. ALL STEEL STUD FASTENERS SHALL BE WELDED CONNECTIONS, OR SHALL BE #10-16 "TEK" SCREWS MANUFACTURED BY "ITW BUILDEX" OR APPROVED EQUAL UNO. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS)-D13 LATEST EDITION. THE CENTER-TO-CENTER SPACING AND EDGE DISTANCE FOR ALL SCREW FASTENERS SHALL BE AT LEAST 3X (NOMINAL DIAMETER) UNO.
5. ALL POWDER ACTUATED FASTENERS (PAFS) SHALL BE HILTI "X-U" OR APPROVED EQUAL UNO.
6. SPLICES IN WALL STUDS, JOISTS OR HEADERS SHALL NOT BE PERMITTED UNLESS SPLICE CONNECTIONS ARE DESIGNED AND DETAILED BY SUPPLIER.
7. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, DO NOT TORCH CUT. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
8. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGE OR WEB OF BOTH UPPER AND LOWER TRACKS. STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO STUD AND TRACK ATTACHMENT.
9. WALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION. THE MINIMUM BRIDGING SHALL BE 6'-0" O.C. FOR WIND LOADED WALLS AND 4'-0" O.C. FOR AXIAL LOADED WALLS.
10. CONTINUOUS BOTTOM RUNNER TRACKS FOR ALL EXTERIOR WALLS SHALL BE ANCHORED TO FOUNDATION WALLS WITH POWDER ACTUATED FASTENERS (PAF). MAXIMUM SPACING TO BE 16" O.C.
11. CONTRACTOR IS RESPONSIBLE FOR AVOIDING THE OVERLOAD OF COLD FORMED STEEL MEMBERS DURING ERECTION AND FOR PROVIDING ADEQUATE TEMPORARY BRACING UNTIL THE PERMANENT BRIDGING AND SHEATHING ARE IN PLACE.
12. TOUCH-UP WELDS AND REPAIR HOT-DIP GALVANIZED COATING PER ASTM A780.

SPECIAL INSPECTION AND TESTING:

1. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH THE LATEST EDITION OF IBC, CHAPTER 17, FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:
2. THE ENGINEER OF RECORD REQUIRES THE SUPERVISING PARTY TO CONDUCT SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE WITH THE LATEST EDITION OF IBC, CHAPTER 17, FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:
   A. CONCRETE
   B. SOILS: GEOTECHNICAL ENGINEER SHALL FIELD VERIFY SOIL BEARING CAPACITY AND COMPACTION PER THE REQUIREMENTS OF THE GEOTECHNICAL REPORT
   C. CAST-IN-PLACE ANCHORS IN CONCRETE
   D. POST-INSTALLED ANCHORS IN CONCRETE (PER PRODUCT ICC-ESR REQUIREMENTS)
   E. REINFORCING STEEL IN CONCRETE
   F. REINFORCING STEEL IN MASONRY - LEVEL 2
   G. STRUCTURAL WELDING - VISUAL TESTING (UNO)
   H. STRUCTURAL WELDING - ULTRASONIC OR RADIOGRAPHIC
   J. TESTING (ALL FULL OR PARTIAL PENETRATION WELDS)
   K. HIGH STRENGTH BOLTING
   L. IF THE STRUCTURAL STEEL AND/OR JOIST FABRICATOR IS NOT AISC CERTIFIED, IN-SHOP SPECIAL INSPECTIONS ARE REQUIRED AND SHALL BE PAID FOR BY THE FABRICATOR
   M. STEEL DECK FASTENING
3. THE GENERAL CONTRACTOR SHALL SUBMIT A SPECIAL STRUCTURAL TESTING AND INSPECTION PROGRAM SCHEDULE TO THE ARCHITECT AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
4

SEE ARCH/CIVIL FOR EXACT LOCATION ON SITE



2 S1.1 MONUMENT SIGN FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

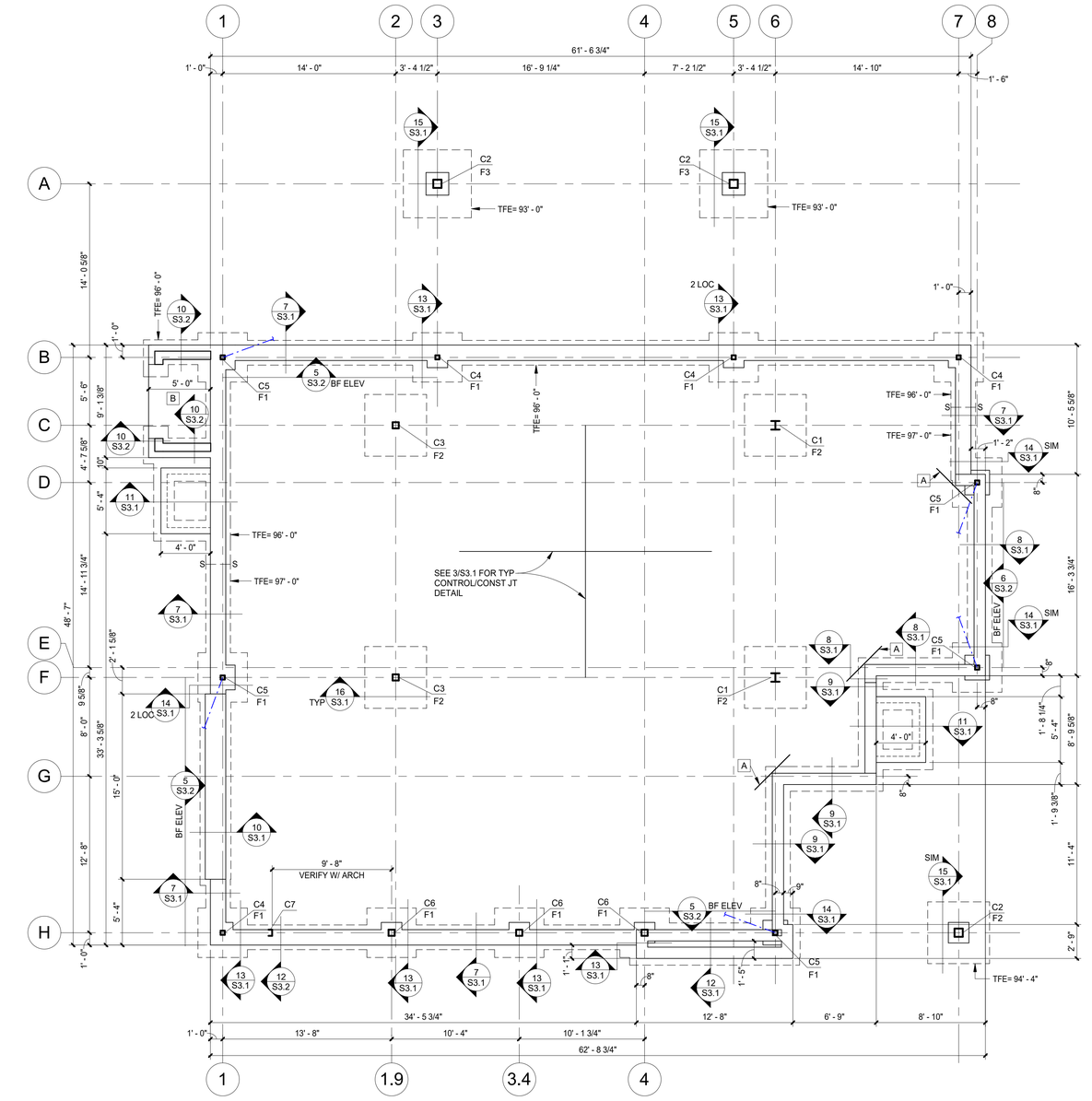
1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. SEE ARCH DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.
3. FLOOR SLAB SHALL BE 4" MINIMUM CONCRETE SLAB ON GRADE WITH 6X6-W1.4XW1.4 WWF. FINISHED FLOOR ELEVATION (FFE) = 100'-0". VERIFY ALL DEPRESSED AND SLOPED SLABS WITH ARCH DRAWINGS AND MECH/ELEC CONTRACTORS.
4. ALL CONTINUOUS WALL FOOTINGS SHALL BE 2'-0"W X 1'-0"D WITH (2) #5 CONTINUOUS BOTTOM UNO.
5. TOP OF EXTERIOR FOOTING ELEVATION (TFE) = 97'-0" UNO.
6. TOP OF INTERIOR FOOTING ELEVATION (TFE) = 99'-0" UNO.
7. S----S ON PLAN DENOTES STEPPED FOOTING. SEE SECTION 1/S3.1.
8. SEE DETAIL 2/S3.1 FOR DROPPED FOOTING AT ALL UNDERGROUND MECHANICAL LINES ENTERING BUILDING.
9. SEE DETAILS 4/S3.1, 5/S3.1 AND 6/S3.1 FOR TYPICAL FOUNDATION WALL JOINTS AND CORNER REINFORCING.
10. "CX" ON PLAN DENOTES STEEL COLUMN SIZE. SEE STEEL COLUMN SCHEDULE ON THIS SHEET.
11. "FX" ON PLAN DENOTES FOOTING SIZE. SEE FOOTING SCHEDULE ON THIS SHEET.
12. SEE SECTIONS AND DETAILS FOR SIZE OF CAST-IN-PLACE CONCRETE FOUNDATION WALLS. SEE GENERAL NOTES FOR REINFORCING REQUIREMENTS.
13. EXTEND ALL FOOTINGS MINIMUM 1'-0" BEYOND END OF FOUNDATION WALLS UNO.

1'-0" TYP

FOUNDATION KEYNOTES:

A PROVIDE (2) #4 X 4'-0" DIAGONAL BARS IN SLAB ON GRADE AT INSIDE CORNERS.

B 6" MINIMUM CONCRETE SLAB ON GRADE WITH #4 @ 12" O.C. EACH WAY CENTERED. SEE ARCH FOR TOP OF SLAB ELEVATION (TSE) AND SLOPES.



PLAN NORTH TRUE NORTH

1 S1.1 FOUNDATION PLAN
3/16" = 1'-0"

STEEL COLUMN SCHEDULE			
MARK	TYPE	BASE PLATE	REMARKS
C1	W8X40	3/4"X14"X14"	
C2	HSS8X8X1/4	1"X16"X16"	
C3	HSS6X6X3/8	3/4"X12"X12"	
C4	HSS4X4X1/4	3/4"X10"X10"	
C5	HSS4X4X1/4	3/4"X12"X12"	
C6	HSS6X6X1/4	3/4"X12"X12"	
C7	MC6X15.3	1/2"X6"X6"	

FOOTING SCHEDULE			
MARK	SIZE	BOT REINF EW	REMARKS
F1	4'-0"X4'-0"X12"	(5) #5	
F2	5'-0"X5'-0"X12"	(6) #5	
F3	5'-6"X5'-6"X12"	(6) #5	

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	3/27/2026
REVISIONS	

DATE	NO

WISCONSIN
MICHAEL J VAN DE RIET
48987-6
MINNEAPOLIS, MN
PROFESSIONAL ENGINEER

3/27/2026

ISS PA SSI INNOVATIVE STRUCTURAL SOLUTIONS, P.A.
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FOUNDATION PLAN

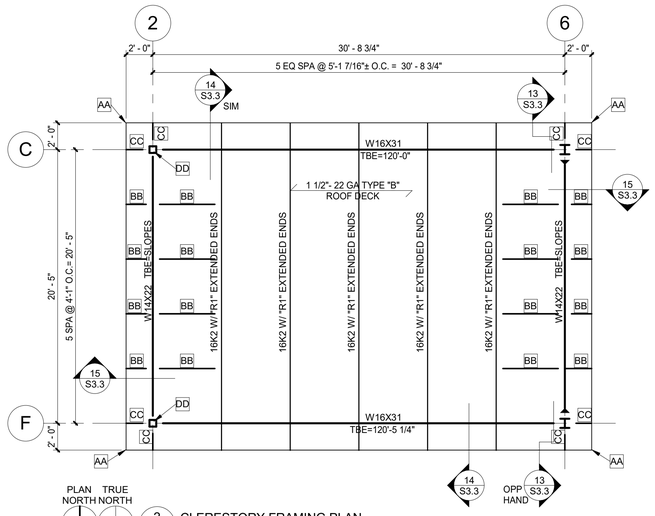
Drawn By: JMW Checked By: BRP

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T9



2 S2.1 CLERESTORY FRAMING PLAN
3/16" = 1'-0"

CLERESTORY FRAMING PLAN NOTES:

1. SEE THIS SHEET FOR TYPICAL ROOF FRAMING PLAN NOTES.
2. DECK FASTENING AT HIGH ROOF SHALL BE (DF1).

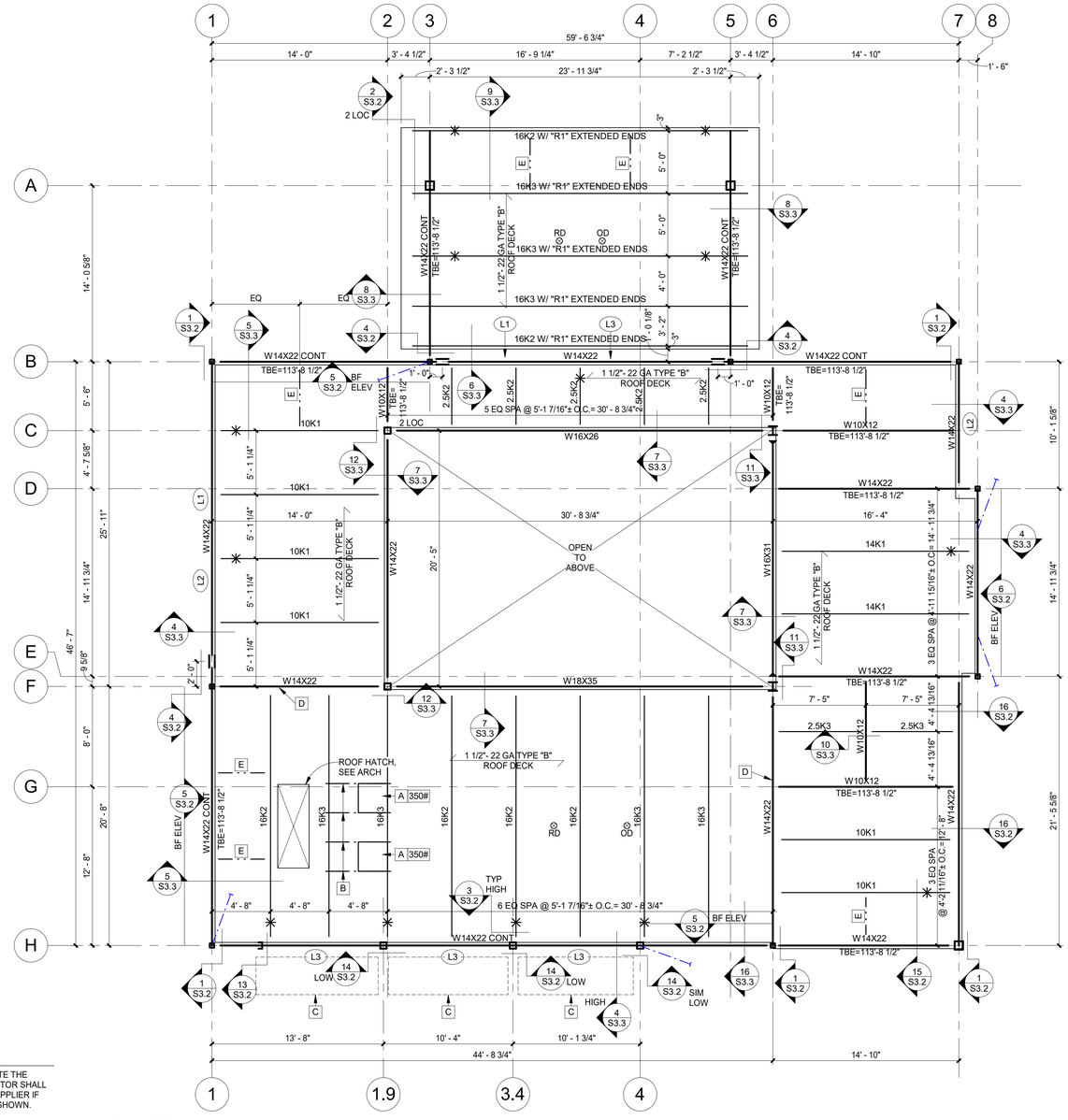
CLERESTORY FRAMING KEYNOTES:

AA MITER CUT ANGLES AT CORNER AND FIELD WELD TOGETHER WITH 3/16" FILLET WELDS ALL AROUND.

BB L5X3X1/4 LLV.

CC HSS5X5X1/4 OUTRIGGER (SLOPE/ROTATE TO MATCH ROOF SLOPE), SHOP WELD TO STEEL COLUMN WITH 3/16" FILLED WELDS ALL AROUND.

DD EXTEND COLUMN TO HIGHEST BEAM ELEVATION. PROVIDE 1/2"X6"X6" CAP PLATE, SHOP WELD TO STEEL COLUMN WITH 1/4" BEVEL WELDS ALL AROUND.



1 S2.1 ROOF FRAMING PLAN
3/16" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE FOUNDATION PLAN FOR COLUMN SCHEDULE.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. TOP OF BEAM ELEVATION (TBE) = 113'-6" UNO ON PLAN OR IN SECTIONS..
4. SEE DETAIL 1/S3.3 FOR HANGER REQUIREMENTS AT STEEL JOISTS.
5. SEE DETAIL 2/S3.3 FOR ROOF OPENING SUPPORT FRAME DETAIL AT ROOF OPENINGS (INCLUDING ROOF HATCHES, DRAINS AND MECHANICAL OPENINGS (MO)).
6. SEE DETAIL 3/S3.3 FOR MECHANICAL UNIT SUPPORT DETAIL.
7. ✳ ON PLAN DENOTES JOIST BOTTOM CHORD ANGLE EXTENSION TO BEAM BOTTOM FLANGE. SEE 10/S3.3. JOIST SUPPLIER SHALL CHECK JOIST BOTTOM CHORD FOR 2K AXIAL FORCE.
8. DESIGN ROOF JOISTS FOR A NET SERVICE UPLIFT OF 10 PSF.
9. (DF-) ON PLAN DENOTES ROOF DECK FASTENING. SEE ROOF DECK FASTENING SCHEDULE ON THIS SHEET.
10. ROOF DECK FASTENING SHALL BE (DF1) UNO ON PLAN.
11. (L-) ON PLAN DENOTES LINTEL. SEE LINTEL SCHEDULE ON THIS SHEET.

ROOF FRAMING KEYNOTES:

A MECHANICAL UNIT WEIGHTS AND SIZES SHOWN ON PLAN INDICATE THE MAXIMUM WEIGHT AND SIZE PERMITTED. MECHANICAL CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AND COORDINATE WITH JOIST SUPPLIER IF ANY UNIT WEIGHTS, SIZES OR LOCATIONS DIFFER FROM THOSE SHOWN.

B MECHANICAL UNIT SUPPORT CHANNEL. SEE 3/S3.3.

C SUNSHADE AND CONNECTION TO STRUCTURAL STEEL FRAMING BY OTHERS, SEE ARCH.

D AT DECK DIRECTION TRANSITION, PROVIDE CONTINUOUS WT3X4.5, FIELD WELD TO ROOF JOISTS WITH 3/16" FILLET WELDS EACH SIDE. PROVIDE HSS2 1/2X2 1/2X3/16 X 5" SHIMS AS REQUIRED TO SUPPORT ENDS OF WT3X4.5.

E ANGLE KICKERS, SEE SECTIONS.

LINTEL SCHEDULE

MARK	REFERENCE	MEMBER	REMARKS
L1	---	L4X4X3/8	
L2	---	L7X4X3/8 LLV	
L3	11/S3.2	L7X4X3/8 LLV + HSS8X2X3/16 LSV	

LINTEL SCHEDULE NOTES:

1. VERIFY ALL SPANS OF OPENINGS AND WALL THICKNESSES WITH ARCH DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF DEVIATIONS PRIOR TO FABRICATION AND ERECTION.
2. LOOSE BRICK LINTELS SHALL BE HOT DIP GALVANIZED AND SHALL BEAR 6" MINIMUM AT EACH END OF OPENING.

ROOF DECK FASTENING SCHEDULE

MARK	FASTENING OPTION	TYPICAL FASTENING	PERIMETER FASTENING	SIDELAP CONNECTION
(DF1)	WELDED OPTION	5/8"Ø PUDDLE WELDS W/ 36/4 PATTERN	5/8"Ø PUDDLE WELDS @ 6" O.C.	(1) #10 TEK SCREWS AT MID-SPAN BTWN SUPPORTS
	MECHANICAL FASTENER OPTION	HILTI PAF FASTENERS W/ 36/4 PATTERN (SEE NOTE #1)	HILTI PAF FASTENERS @ 6" O.C. (SEE NOTE #1)	(1) HILTI SLC SCREW AT MID-SPAN BTWN SUPPORTS (SEE NOTE #2)

ROOF DECK FASTENING SCHEDULE NOTES:

1. HILTI PAF FASTENERS SHALL BE HILTI X-HSN 24. IF THE BASE STEEL THICKNESS IS GREATER THAN 3/8", USE ENP-19 FASTENERS IN LIEU OF X-HSN 24.
2. HILTI SLC SCREWS SHALL BE S-SLC 01 M HWH OR S-SLC 02 M HWH SCREWS.

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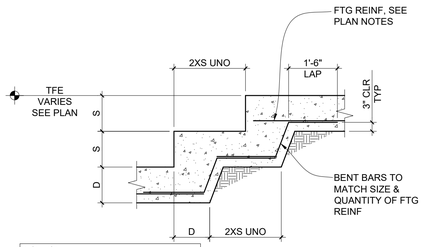
ROOF FRAMING PLAN

Drawn By: JMW Checked By: BRP

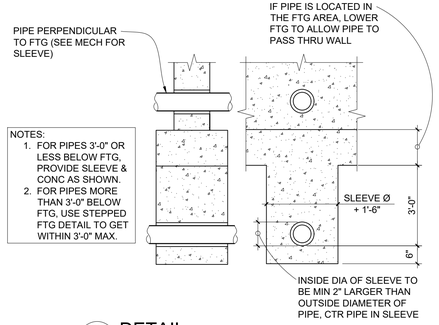
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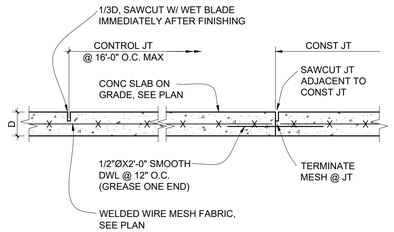
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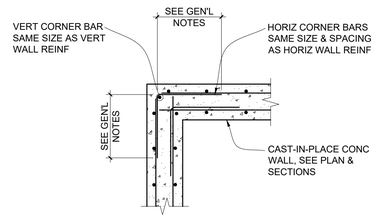
1 S3.1 **SECTION** — STEPPED FTG — NO SCALE



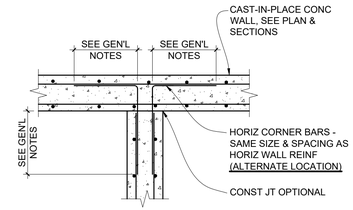
2 S3.1 **DETAIL** — WALL FTG @ UNDERGROUND LINES — NO SCALE



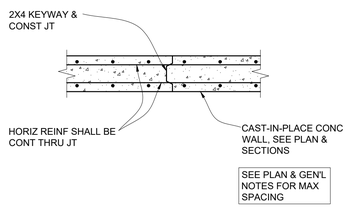
3 S3.1 **SECTION** — TYP CONTROL/CONST JT — NO SCALE



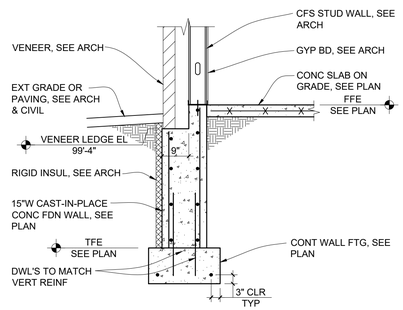
4 S3.1 **PLAN DETAIL** — TYP WALL CORNER — 1/2"=1'-0"



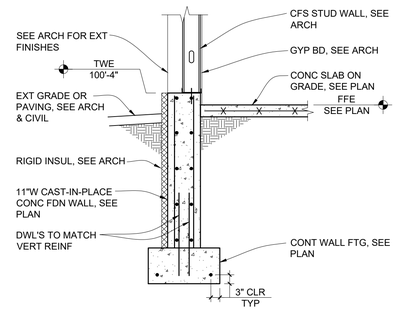
5 S3.1 **PLAN DETAIL** — TYP WALL INTERSECTION — 1/2"=1'-0"



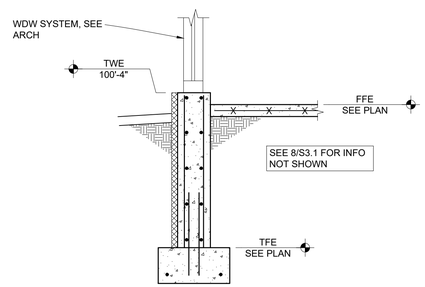
6 S3.1 **PLAN DETAIL** — WALL CONSTRUCTION JOINT — 1/2"=1'-0"



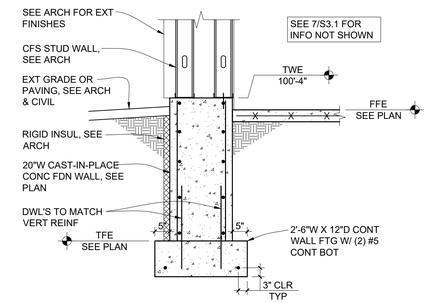
7 S3.1 **SECTION** — TYP FDN WALL @ VENEER — 1/2"=1'-0"



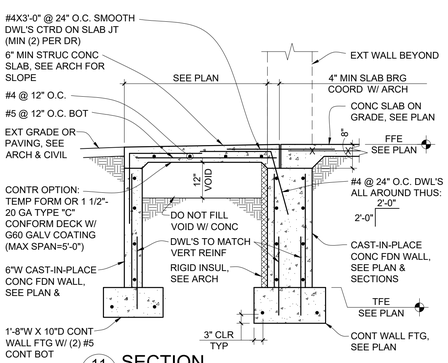
8 S3.1 **SECTION** — TYP FDN WALL @ METAL PANEL — 1/2"=1'-0"



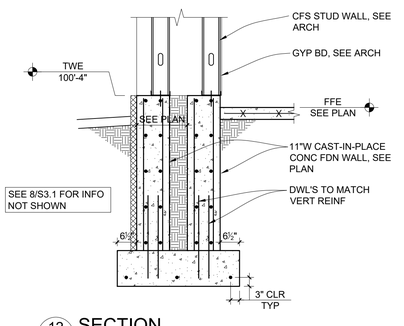
9 S3.1 **SECTION** — FDN WALL @ WDW SYSTEM — 1/2"=1'-0"



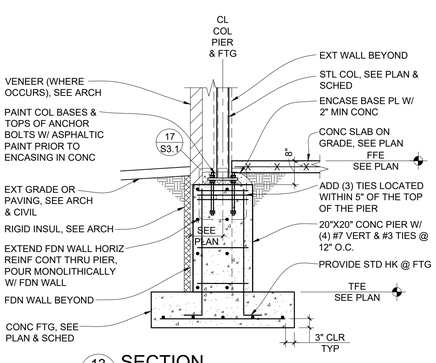
10 S3.1 **SECTION** — FDN WALL @ DBL WALL — 1/2"=1'-0"



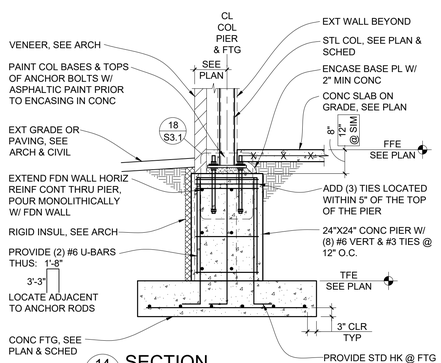
11 S3.1 **SECTION** — TYP EXT STRUC CONC SLAB — 1/2"=1'-0"



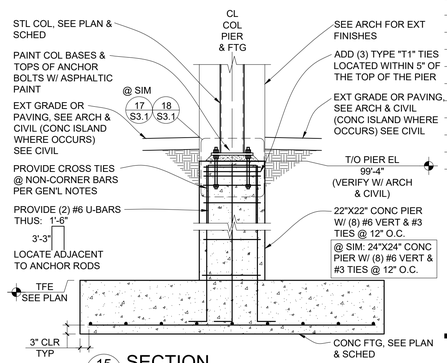
12 S3.1 **SECTION** — TYP FDN WALL @ SIGN WALL — 1/2"=1'-0"



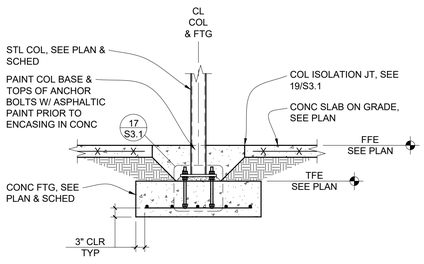
13 S3.1 **SECTION** — EXT STL COL, PIER & FTG — 1/2"=1'-0"



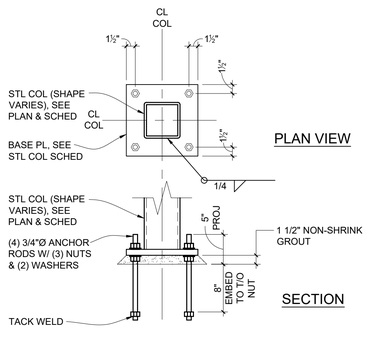
14 S3.1 **SECTION** — EXT STL COL, FTG & PIER — 1/2"=1'-0"



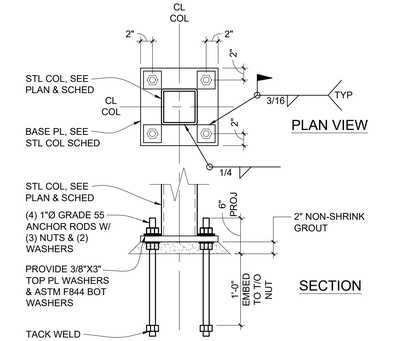
15 S3.1 **SECTION** — EXT STL COL, PIER & FTG — 1/2"=1'-0"



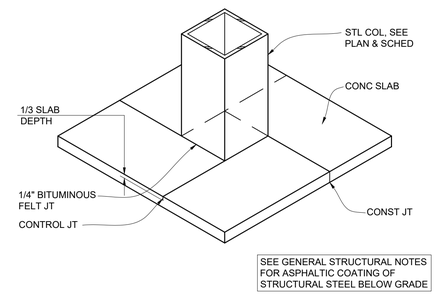
16 S3.1 **SECTION** — INT STL COL & FTG — 1/2"=1'-0"



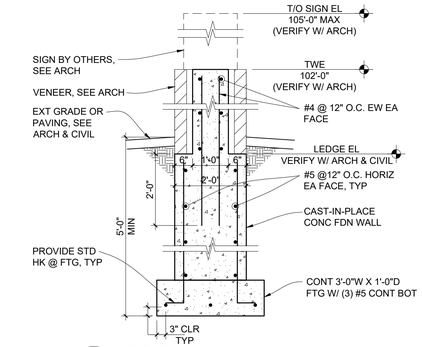
17 S3.1 **DETAIL** — ANCHOR ROD SETTING — 1"=1'-0"



18 S3.1 **DETAIL** — ANCHOR ROD SETTING — 1"=1'-0"



19 S3.1 **DETAIL** — TYP COL ISOLATION JT — NO SCALE



20 S3.1 **SECTION** — MONUMENT SIGN FDN — 1/2"=1'-0"

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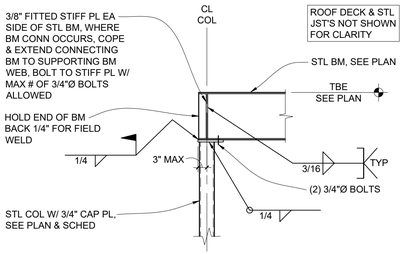
SECTIONS AND DETAILS

Drawn By: JMW Checked By: BRP

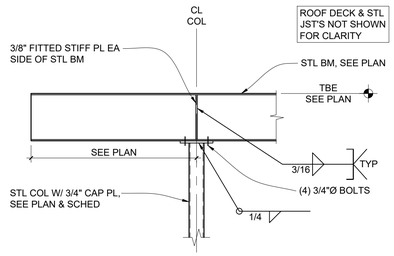
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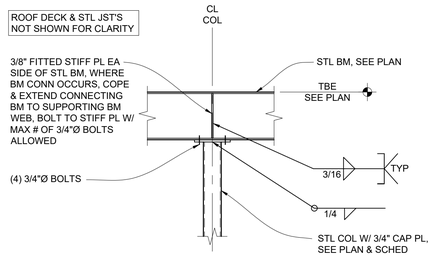
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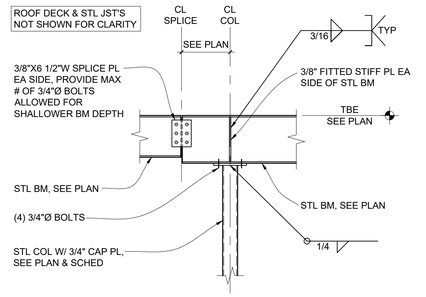
1 S3.2 SECTION
STL BM TO COL CONN 1/2"=1'-0"



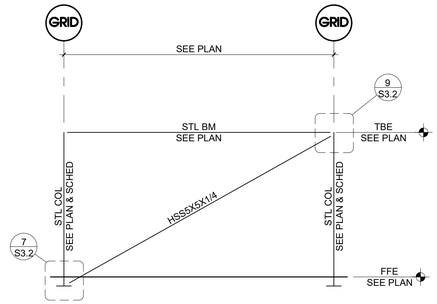
2 S3.2 SECTION
STL BM TO COL CONN 1/2"=1'-0"



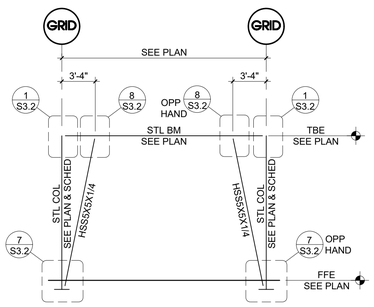
3 S3.2 SECTION
STL BM TO COL CONN 1/2"=1'-0"



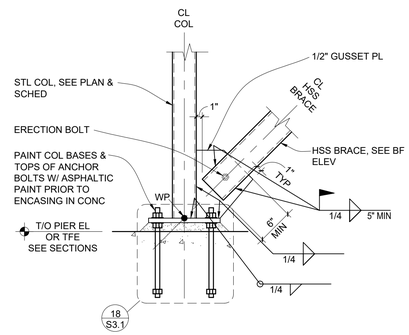
4 S3.2 SECTION
STL BM TO COL CONN & BM SPLICE 1/2"=1'-0"



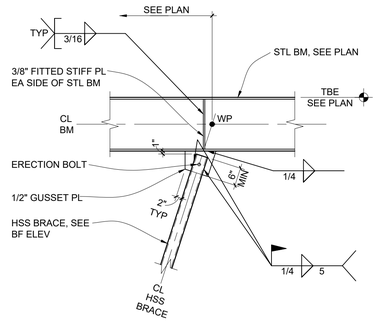
5 S3.2 ELEVATION
BRACED FRAME NO SCALE



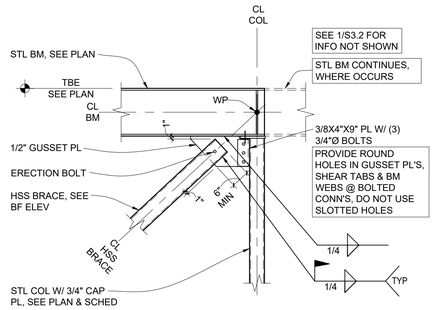
6 S3.2 ELEVATION
BRACED FRAME NO SCALE



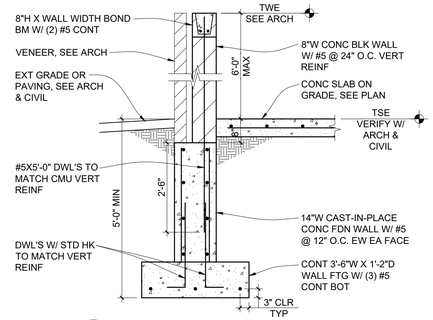
7 S3.2 DETAIL
BRACED FRAME CONN @ BASE 1"=1'-0"



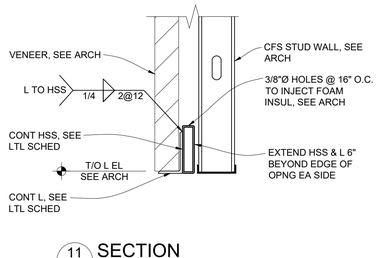
8 S3.2 DETAIL
BRACED FRAME CONN 1/2"=1'-0"



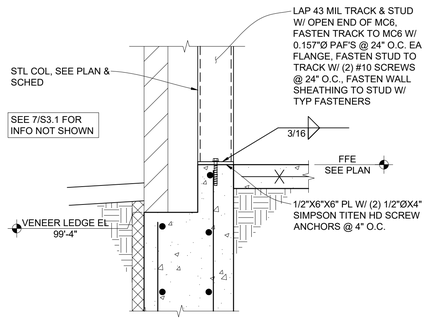
9 S3.2 DETAIL
BRACED FRAME CONN 1/2"=1'-0"



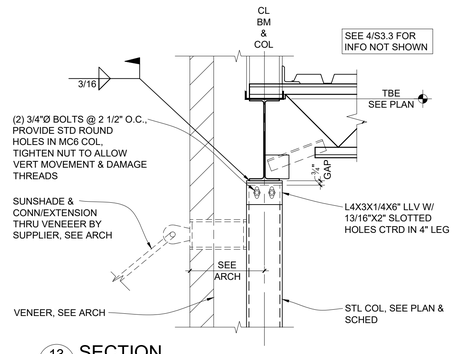
10 S3.2 SECTION
TRASH ENCLOSURE WALL 1/2"=1'-0"



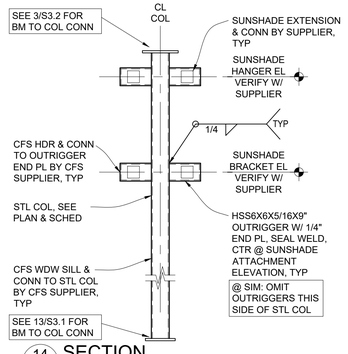
11 S3.2 SECTION
BRICK LTL 1"=1'-0"



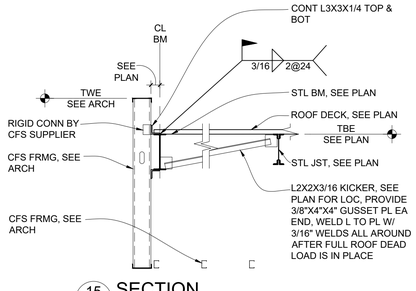
12 S3.2 SECTION
SUNSHADE SUPPORT COL TO FDN WALL CONN 1"=1'-0"



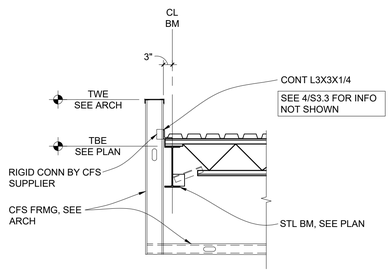
13 S3.2 SECTION
SUNSHADE SUPPORT @ POST 1"=1'-0"



14 S3.2 SECTION
SUNSHADE @ STL COL 1/2"=1'-0"



15 S3.2 SECTION
STL BM @ ROOF EDGE 1/2"=1'-0"



16 S3.2 SECTION
STL JST BRG @ STL BM 1/2"=1'-0"

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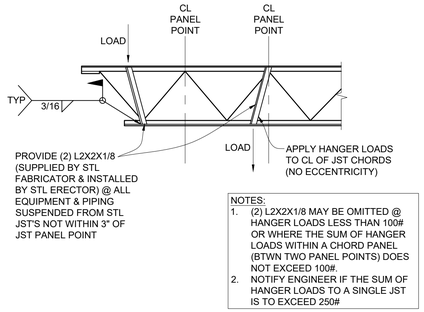
SECTIONS AND DETAILS

Drawn By: JMW Checked By: BRP

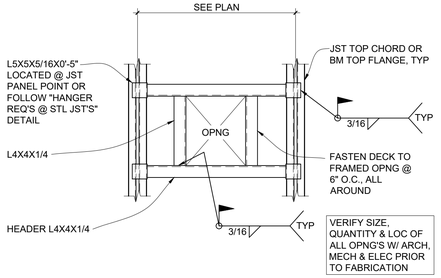
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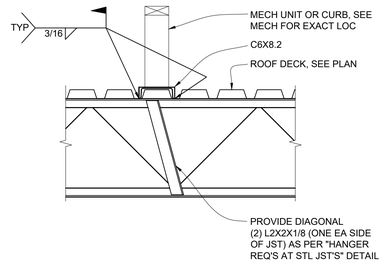
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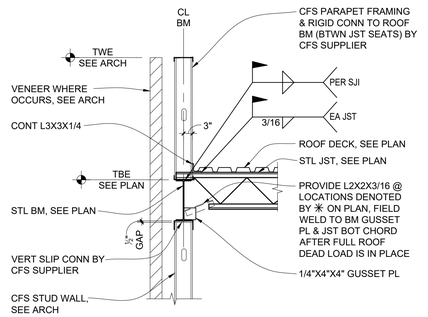
1 S3.3 **DETAIL**
HANGER REQ'S @ STL JST'S — NO SCALE



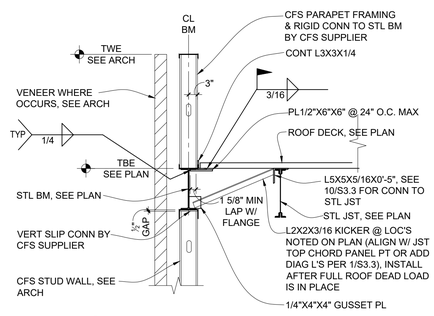
2 S3.3 **PLAN DETAIL**
ROOF OPNG SUPPORT FRAME — NO SCALE



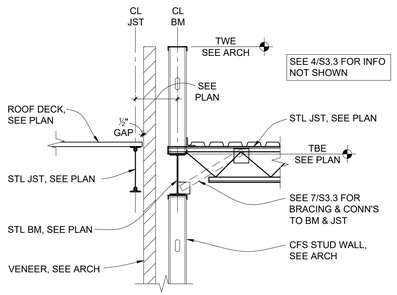
3 S3.3 **DETAIL**
MECH UNIT SUPPORT — NO SCALE



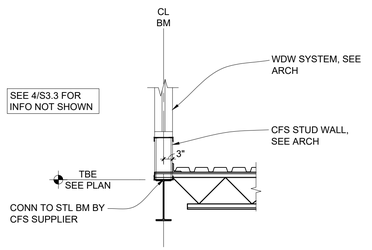
4 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



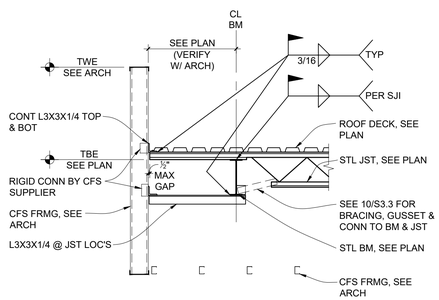
5 S3.3 **SECTION**
DECK BRG @ STL BM — 1/2"=1'-0"



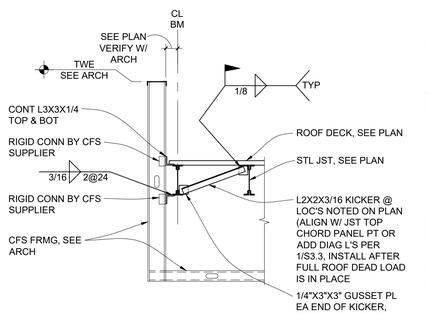
6 S3.3 **SECTION**
CANOPY EDGE @ EXT WALL — 1/2"=1'-0"



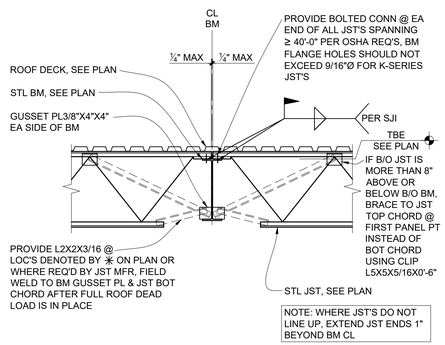
7 S3.3 **SECTION**
JST BRG @ CLERESTORY — 1/2"=1'-0"



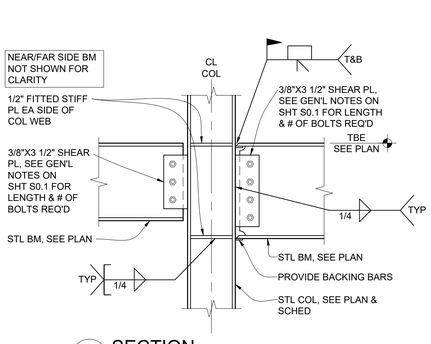
8 S3.3 **SECTION**
STL JST BRG W/ EXTENDED END @ STL BM — 1/2"=1'-0"



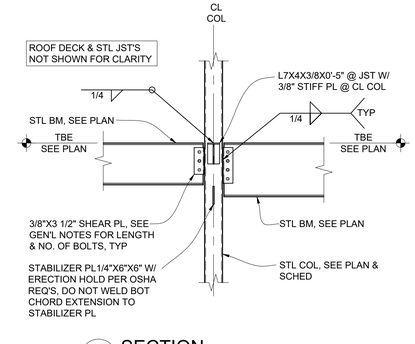
9 S3.3 **SECTION**
ROOF DECK BRG @ STL JST — 1/2"=1'-0"



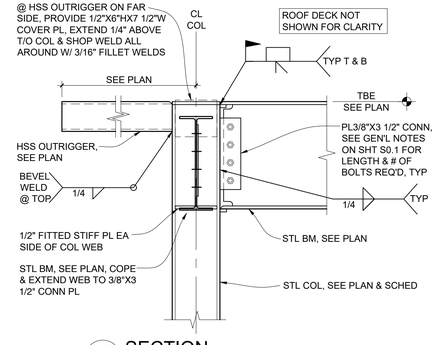
10 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



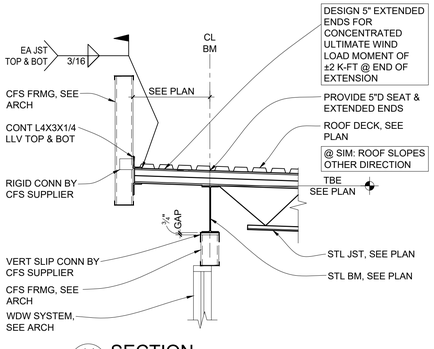
11 S3.3 **SECTION**
WIDE FLANGE COL MOMENT CONN — 1"=1'-0"



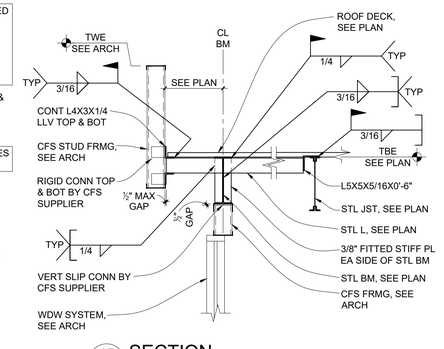
12 S3.3 **SECTION**
STL BM TO COL CONN — 1/2"=1'-0"



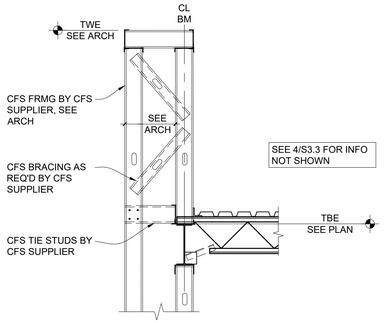
13 S3.3 **SECTION**
WIDE FLANGE COL MOMENT CONN — 1"=1'-0"



14 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



15 S3.3 **SECTION**
ANGLE OUTRIGGER @ STL BM — 1/2"=1'-0"



16 S3.3 **SECTION**
STL JST BRG @ STL BM @ TALL PARPAET — 1/2"=1'-0"

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET		3/27/2026
REVISIONS		
DATE	NO	

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SECTIONS AND DETAILS

Drawn By: JMW — Checked By: BRP

S3.3

70026

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MECHANICAL ABBREVIATIONS

AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AFMS	AIRFLOW MEASURING STATION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AP	ACCESS PANEL(S)
APD	AIR PRESSURE DROP
ARCH	ARCHITECT(URAL)
AS	AIR SEPARATOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BLR	BOILER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWV	BACK WATER VALVE
CA	COMBUSTION AIR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHW	CIRCULATING HOT WATER
CLG	CEILING
CLR	CORE LOOP WATER RETURN
CLS	CORE LOOP WATER SUPPLY
CO	CLEAN OUT
COND	CONDENS(ATE) (ER)
CONN	CONNECTION
CONT	CONTINU(E) (OUS) (ED) (ATION)
CONTR	CONTRACTOR
CP	CIRCULATING PUMP
CR	CONDENSER RETURN
CRU	COMPUTER ROOM UNIT
CS	CONDENSER SUPPLY
CTE	CONNECT TO EXISTING
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWR	CHILLER WATER RETURN
CWS	CHILLED WATER SUPPLY
DEG	DEGREE(S)
DH	DUCT HEATER
DIFF	DIFFUSER
DN	DOWN
DT	DRAIN TILE
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EHC	ELECTRIC HEATING COIL
EL	ELEVATION
ERU	ENERGY RECOVERY UNIT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FFD	FUNNEL FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT, FEET
FTR	FINNED TUBE RADIATION
G	GAS
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPH	GALLON(S) PER HOUR
GPM	GALLON(S) PER MINUTE
GR	GRILLE
GW	GREASE WASTE (SANITARY)
H	HARD WATER
H-STAT	HUMIDISTAT
HB	HOSE BIBB
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HP	HEAT PUMP
HTG	HEATING
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
ID	INDIRECT DRAIN
IE	INVERT ELEVATION
IN	INCH(ES)
INSUL	INSULATION
INV	INVERT
INV EL	INVERT ELEVATION
IRR	IRRIGATION WATER

MECHANICAL ABBREVIATIONS

L	LIQUID
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LF	LINEAL FOOT, FEET
LTA	LINED TRANSFER AIR
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKEUP AIR UNIT
MAX	MAXIMUM
MB	MOP BASIN
MBH	1,000 BTUH
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
ORD	OVERFLOW ROOF DRAIN
OSD	OVERFLOW STORM DRAIN
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PLBG	PLUMBING
PRV	POWER ROOF VENTILATOR
PRV	PRESSURE REDUCING VALVE
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE AND TEMPERATURE FITTING
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REG	REGISTER
REQ	REQUIRED
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID
RM	ROOM
RO	REVERSE OSMOSIS
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RWL	RAIN WATER LEADER
S	SUCTION
SA	SUPPLY AIR
SAN	SANITARY
SCCR	SHORT CIRCUIT CURRENT RATING
SCU	SELF CONTAINED UNIT
SCW	SOFTENED COLD WATER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SF	SUPPLY FAN, SQUARE FEET
SH	SHOWER
SP	STATIC PRESSURE, SUMP PUMP
SR	SUCTION RISER
SS	STAINLESS STEEL
ST	STORM
STM	STEAM
STP	STANDPIPE
SU	SUPPLY UNIT
T	THERMOSTAT, TEMPERED
T-STAT	THERMOSTAT
TA	TRANSFER AIR
TC	TEMPERATURE CONTROL(S)
TCC	TEMPERATURE CONTROL(S) CONTRACTOR
TD	TEMPERATURE DIFFERENTIAL
TMV	THERMOSTATIC MIXING VALVE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE (MOTOR CONTROLLER)
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WH	WALL HYDRANT
WP	WATERPROOF
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER

MECHANICAL SYMBOL LEGEND

PLUMBING

- SCW — DOMESTIC COLD WATER (SOFT)
- H — DOMESTIC COLD WATER (HARD)
- FCW — DOMESTIC FILTERED COLD WATER
- CW-FF — DOMESTIC COLD WATER (FLUSHING FIXTURES)
- NP — DOMESTIC COLD WATER (NON-POTABLE)
- T — TEMPERED DOMESTIC HOT WATER
- HW — DOMESTIC HOT WATER
- CHW — RECIRCULATION HOT WATER
- 140°HW — DOMESTIC HOT WATER (140° F)
- 140°CHW — RECIRCULATION DOMESTIC HOT WATER (140° F)
- W — SANITARY WASTE / PUMPED (PW)
- GW — GREASE WASTE
- FW — FLAMMABLE WASTE
- V — VENT
- AW — SANITARY WASTE (ACID)
- AV — VENT (ACID)
- SD — STORM DRAIN (PRIMARY) / PUMPED (PSD)
- OSD — OVERFLOW STORM DRAIN (OVERFLOW)
- DT — DRAIN TILE
- POOL — POOL DRAINAGE
- G — NATURAL GAS
- LPG — LIQUID PROPANE GAS
- CD — CONDENSATE DRAIN PIPING
- CA — COMPRESSED AIR
- R## — PLUMBING RISER TAG

HEATING & COOLING

- G — NATURAL GAS
- HWS — HEATING WATER SUPPLY
- HWR — HEATING WATER RETURN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CLS — CORE LOOP SUPPLY
- CLR — CORE LOOP RETURN
- STM — STEAM
- CR — CONDENSATE RETURN
- CD — CONDENSATE DRAIN PIPING
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION

MEDICAL GAS

- N2O — NITROUS OXIDE
- O2 — OXYGEN
- VAC — VACUUM
- WAGD — WASTE / ANESTHESIA GAS DISPOSAL

REFRIGERATION

- LT — LOW TEMPERATURE LOOP
- MT — MEDIUM TEMPERATURE LOOP
- GLY — GLYCOL
- RHS — HIGH SIDE TO GAS COOLER & HEAT-RECLAIM
- RED — EVAPORATOR DRAIN

MISC. REFRIGERATION

- E — ELECTRONIC EPR
- CC — CASE CONTROLLER PER COIL/CASE
- LL — LIQUID LINE SOLENOID
- HUB — RDM MERCURY HUB PER CIRCUIT
- CASE/COOLER TEMP. SENSOR
- DT — DEFROST TERMINATION
- CASE REFRIGERATION CONNECTION
- RSL — REFRIGERATION STUB-UP
- ## — REFRIGERATION CIRCUIT/SYSTEM NUMBER
- X## — REFRIGERATION EQUIPMENT

MISC. PIPING

- A — AQUASTAT
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- TEMPERATURE GAUGE
- SENSOR TAP
- WATER HAMMER ARRESTOR
- PRESSURE GAUGE WITH ISOLATION VALVE
- OR — IN-LINE PUMP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE-OFF BOTTOM / DOWN
- CLEANOUT - FLOOR (FCO)
- CO — CLEANOUT - CEILING (CO)
- PIPE CAP
- EXPANSION JOINT (LOOP)
- ECCENTRIC REDUCER
- PIPE ANCHOR
- CONCENTRIC REDUCER
- ALIGNMENT GUIDES
- FLEXIBLE CONNECTION
- CPV — CIRCUIT BALANCING VALVE
- CHECK VALVE
- STRAINER
- GATE VALVE
- STRAINER WITH BLOW DOWN
- GAS COCK VALVE
- PRESSURE REDUCING VALVE
- STOP & WASTE VALVE
- PRESSURE RELIEF VALVE
- BALL VALVE
- GPM — FLOW MEASURING STATION
- BUTTERFLY/SHUT-OFF VALVE
- FLOW LIMITING VALVE
- GLOBE VALVE
- SOLENOID VALVE
- CONTROL VALVE (2-WAY)
- CONTROL VALVE (3-WAY)
- GLOBE ANGLED VALVE
- DRAIN VALVE
- BFP — BACKFLOW PREVENTER
- AIR VENT - AUTOMATIC
- BWV — BACKWATER VALVE
- M — AIR VENT - MANUAL
- GAS PRESSURE REGULATOR
- FS — FLOW SWITCH
- FLOW DIRECTION
- HOPPER DRAIN / FLOOR SINK
- PIPE PITCH DIRECTION
- FLOOR DRAIN
- PIPE UNION
- WH — HYDRANT (WALL, ROOF, YARD)
- THERMOMETER
- HB — HOSE BIBB
- DSN — DOWNSPOUT NOZZLE W/COVER
- DSN — DOWNSPOUT NOZZLE

FIRE PROTECTION

- FW — FIRE PROTECTION (WET)
- FD — FIRE PROTECTION (DRY)
- FPA — FIRE PROTECTION (PRE-ACTION)
- FW FDC — FIRE PROTECTION (WET) - FIRE DEPT. CONN.
- FW SP — FIRE PROTECTION (WET) - STANDPIPE
- FW Z# — FIRE PROTECTION (WET) - ZONE #

SPRINKLER HEADS

- RECESSED WHITE PENDANT HEAD W/ WHITE ESCUTCHEON CUP
- CONCEALED WHITE PENDANT HEAD W/ WHITE DISC
- UPRIGHT BRASS HEAD ON EXPOSED PIPING
- UPRIGHT WHITE HEAD ON EXPOSED PIPING
- CHROME SIDEWALL HEAD W/ CHROME WALL FLANGE
- CHROME EXTENDED THROW HEADS W/ CHROME WALL FLANGE
- CHROME EXTENDED THROW SIDEWALL HEADS W/ CHROME WALL FLANGE & HIGH-TEMP 200°F
- WHITE PENDANT HEAD. HEADS IN POOL SHALL BE A MANUFACTURED HEAD FOR CORROSIVE ENVIRONMENTS TO PREVENT RUSTING
- HIGH-TEMP (286°F) RECESSED WHITE PENDANT HEAD W/ WHITE ESCUTCHEON CUP

MISC. FIRE PROTECTION

- SIAMESE FIRE DEPARTMENT CONNECTION
- RPZ — RPZ VALVE (REDUCED PRESSURE BACKFLOW)
- OS & Y VALVE
- RPZ VALVE (REDUCED PRESSURE BACKFLOW)
- OS&Y VALVE WIRED

HVAC

- SA — SUPPLY AIR DUCT
- RA — RETURN AIR DUCT
- OA — OUTSIDE AIR DUCT
- TA — TRANSFER AIR DUCT
- CA — COMBUSTION AIR DUCT
- LTA — LINED TRANSFER AIR DUCT
- EA — EXHAUST AIR DUCT
- THERMOSTAT
- S — THERMOSTAT SPLIT SYSTEM
- S — SPACE TEMPERATURE SENSOR
- N — THERMOSTAT NIGHT SET BACK
- H — HUMIDISTAT
- P — THERMOSTAT PROGRAMMABLE
- H — COMB. TEMP. & HUM. SENSOR (INNOVENT)
- P — PRESSURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CO — COMB. TEMP. & HUM. SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- VOC — VOLATILE ORGANIC COMPOUND SENSOR
- D — DIESEL SENSOR
- CO — CARBON MONOXIDE AND NITROGEN DIOXIDE SENSOR
- OA — OUTSIDE AIR SENSOR
- WALL SWITCH
- M — MOTORIZED DAMPER
- FS — FIRE/SMOKE DAMPER
- LD — LOW-LEAK MOTORIZED DAMPER
- S — SMOKE DAMPER
- BD — BACKDRAFT DAMPER
- F — FIRE DAMPER
- ID — VOLUME DAMPER (IRIS CLOSURE)
- R — RADIATION DAMPER
- VOLUME DAMPER (MANUAL)
- SUPPLY AIR
- RD — VD (REMOTELY OPERATED)
- EXHAUST AIR
- AB — VD (AUTO BALANCE)
- RETURN/TRANSFER AIR
- CEILING SUPPLY DIFFUSER
- FLOOR REGISTER
- SUPPLY AIR REGISTER
- LINEAR DIFFUSER
- RETURN AIR GRILLE / REGISTER
- FLEX DUCT
- EXHAUST AIR GRILLE / REGISTER
- ROOF (PRV) EXHAUST FAN
- RETURN AIR GRILLE / REGISTER W/ SOUND BOOT
- CABINET UNIT HEATER
- SIDEWALL SUPPLY REGISTER
- VARIABLE AIR VOLUME BOX
- SIDEWALL RETURN / EXHAUST GRILLE
- AFM — AIR FLOW MEASURING STATION
- AP — ACCESS PANEL
- AFS — AIR FLOW PRESSURE SWITCH
- SUPPLY DUCT ELBOW WITH TURNING VANES
- 14"x10" — STANDARD OR LINED DUCT (SUPPLY, RETURN, EXHAUST). DUCT IS LABELED TO INDICATE INTERNAL DUCT DIMENSION. SEE SPECIFICATION FOR INSULATION.
- 14"x10" — DOUBLE WALL (SUPPLY, RETURN, EXHAUST). DUCT IS LABELED TO INDICATE INTERNAL DUCT DIMENSION.
- STANDARD ROUND TAKEOFF (CONICAL BELL MOUTH) WITH VOLUME DAMPER
- DUCT UP (SUPPLY)
- DUCT UP (RETURN/EXHAUST)
- DUCT DOWN (SUPPLY)
- DUCT DOWN (RETURN/EXHAUST)

DIFFUSER, REGISTER, GRILLE TAG

- A — 24x6 / 8ø — SIZES (INCHES) OR DIFFUSER NECK SIZE
- 450 — CFM
- TYP. 2 — QUANTITY OF DRG IN GENERAL AREA
- NOTE — MISC. NOTE / MOUNTING INFORMATION
- DRG TAG, SEE SCHEDULE

NOTE: SEE DIFFUSER, REGISTER, AND GRILLE SCHEDULE FOR FURTHER DETAILS

MISC. GRAPHICS

- BREAK IN MATERIAL (FOR VISUAL PURPOSES)
- UNDER CUT DOOR FOR AIR TRANSFER
- CONNECT TO EXISTING
- FINISHED FLOOR ELEVATION
- NEW AND TO BE REMOVED (DEMOLISHED)
- EXISTING TO REMAIN

MECHANICAL SHEET INDEX

M0.0	MECHANICAL TITLE SHEET
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M2.1	MAIN LEVEL PLAN - HVAC
M3.1	MAIN LEVEL PLAN - PIPING
M4.1	ROOF PLAN - MECHANICAL
M5.1	PLUMBING RISER DIAGRAMS
M6.1	MECHANICAL DETAILS
M7.1	MECHANICAL SCHEDULES
M8.1	MECHANICAL CONTROLS

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NEW BUILDING

605 WEST AVE S.
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ISSUED SET	2026-03-27
REVISIONS	

DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

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MECHANICAL TITLE SHEET

Drawn By: JM Checked By: JH

M0.0

3392.0002

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MECHANICAL PROJECT GENERAL NOTES

(NOTES APPLY TO ALL SHEETS)

1 WORK TO BE ACCOMPLISHED ON THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR THE PROPER COMPLETION OF ALL MECHANICAL WORK.

2 EXISTENCE OF ANY WIRES, CONDUITS, PIPES, DUCTS, OR OTHER FACILITIES ARE SHOWN IN A GENERAL WAY ONLY. IT WILL BE THE DUTY OF THE CONTRACTOR TO VISIT THE SITE AND MAKE EXACT DETERMINATION OF THE EXISTENCE OF ANY SUCH FACILITIES PRIOR TO THE SUBMISSION OF HIS BID. IT IS UNDERSTOOD THAT HE WILL BE RESPONSIBLE FOR MAKING THE EXACT DETERMINATION OF THE LOCATION AND CONDITION OF SUCH FACILITIES.

3 ALL REQUIRED FEES, PERMITS, AND INSPECTIONS SHALL BE OBTAINED AND/OR ARRANGED FOR BY THE CONTRACTOR UNDER THE SECTION OF THE SPECIFICATIONS FOR WHICH THEY ARE REQUIRED.

4 REGULAR INSPECTIONS SHALL BE ARRANGED BY THE CONTRACTOR AS REQUIRED BY ANY AND ALL REGULATIONS. ALL CHARGES FROM REGULATING AGENCIES FOR INSPECTIONS OF INSTALLATIONS OR REVIEW OF PLANS AND SPECIFICATIONS SHALL BE PAID BY THE CONTRACTOR.

5 CERTIFICATE OF FINAL INSPECTION. UNDER EACH APPLICABLE SECTION OF THE SPECIFICATIONS, CONTRACTOR SHALL, UPON COMPLETION OF THE WORK UNDER THAT SECTION, FURNISH A CERTIFICATE OF FINAL INSPECTION TO THE ENGINEER FROM THE INSPECTION DEPARTMENT HAVING JURISDICTION.

6 ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL CURRENT AND APPLICABLE CODES, SPECIFICATIONS, ORDINANCES, LAWS, REGULATIONS, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS.

7 IN CASE OF DIFFERENCE AMONG BUILDING CODES, SPECIFICATIONS, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS AND THE CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DIFFERENCE.

8 ALL APPLICABLE FEDERAL, STATE, LOCAL LAWS, ORDINANCES, AND LOCAL CODE AMENDMENTS SHALL BE ADHERED TO THROUGHOUT THE CONSTRUCTION PROJECT. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING THE APPLICABLE BUILDING CODE, THE APPLICABLE MECHANICAL CODE, AND THE APPLICABLE PLUMBING CODE.

9 NON-COMPLIANCE. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS, HE SHALL BEAR ALL COSTS ARISING TO CORRECT THE DEFICIENCIES.

10 CONTRACTOR SHALL INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY PRE-CAUTIONS REQUIRED FOR HIS WORK, INCLUDING REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

11 DRAWINGS ARE TO SCALE AS NOTED, BUT THE CONTRACTOR SHALL REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION OF PARTITIONS, WALLS, BEAMS, SHAFTS, EQUIPMENT, ETC.

12 EACH TRADE SHALL OBTAIN DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES AND COORDINATE HIS WORK WITH ALL OTHER TRADES.

13 DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, AND APPURTENANCES AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. MECHANICAL WORK SHALL CONFORM TO THE REQUIREMENTS SHOWN ON ALL OF THE DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER MECHANICAL DRAWINGS. BECAUSE OF THE SMALL SCALE OF THE MECHANICAL DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED.

14 DISCREPANCIES DISCOVERED BEFORE OR AFTER WORK HAS STARTED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY, AND THE ENGINEER RESERVES THE RIGHT TO REQUIRE MINOR CHANGES IN THE WORK OF ANY CONTRACTOR TO ELIMINATE SUCH DISCREPANCIES WITH NO CHANGE IN CONTRACT COST.

15 PLANS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR IN EITHER ONE SHALL BE AS BINDING AS IF CALLED FOR IN BOTH.

16 WHERE A DISAGREEMENT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE ITEM OR ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, OR HIGHER COST SHALL BE INCLUDED IN THE BID.

17 ALL MATERIALS AND EQUIPMENT SHALL BE STORED IN SUCH A PLACE AND IN SUCH A MANNER THAT A MINIMUM OF CONGESTION WILL RESULT. THE PLACING OF SUCH MATERIALS AND EQUIPMENT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

18 EACH CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES IN THE INSTALLATION OF EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK.

19 CONTRACTORS SHALL SOLVE ALL COORDINATION CONFLICTS AMONG THEMSELVES WHEN POSSIBLE. ENGINEER WILL ARBITRATE WHEN NECESSARY, AND HIS JUDGMENT WILL STAND, WITH NO ADDITIONAL COST TO THE OWNER.

20 ACCESS PANELS SHALL BE FURNISHED BY THE TRADE REQUIRING THEM AND DELIVERED TO THE GENERAL CONTRACTOR FOR INSTALLATION.

21 EACH TRADE SHALL PERFORM ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES NECESSARY IN ORDER TO PERFORM THE WORK, UNLESS SUCH WORK HAS BEEN DELEGATED TO THE GENERAL CONTRACTOR/ANOTHER TRADE. HOWEVER, SPECIAL PERMISSION SHALL BE OBTAINED FROM THE ENGINEER BEFORE CUTTING STRUCTURAL MEMBERS OR FINISHED MATERIALS. ALL PATCHING SHALL BE PERFORMED IN SUCH MANNER AS TO LEAVE NO VISIBLE TRACE AND TO RETURN THE PART AFFECTED TO THE CONDITION OF UNDISTURBED WORK. PATCHING WORK SHALL BE PERFORMED BY PERSONS EXPERIENCED, SKILLED, AND LICENSED FOR THE PARTICULAR TYPE OF WORK INVOLVED. INFERIOR WORK WILL NOT BE ACCEPTED. ALL HOLES IN MASONRY SHALL BE DRILLED WITH ROTARY DRILLS. IMPACT TOOLS SHALL NOT BE USED.

22 EACH TRADE SHALL BEAR THE EXPENSE OF ALL CUTTING, PATCHING, REPAIRING, OR REPLACING OF THE WORK OF OTHER TRADES REQUIRED BECAUSE OF HIS FAULT, ERROR, OR TARDINESS OF BECAUSE OF ANY DAMAGE DONE BY HIM.

23 EACH TRADE SHALL PROVIDE ALL HOLES AND OPENINGS REQUIRED FOR HIS WORK, UNLESS SUCH HOLES AND OPENINGS ARE SHOWN TO BE PROVIDED ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS.

24 EACH TRADE SHALL PERIODICALLY CLEAR AWAY ALL DEBRIS, SURPLUS MATERIALS, ETC., RESULTING FROM HIS WORK OR OPERATIONS, LEAVING THE JOB AND THE EQUIPMENT FURNISHED UNDER ANY OR ALL CONTRACTS IN A CLEAN CONDITION.

25 EACH TRADE SHALL TEST THE EQUIPMENT PROVIDED AND/OR INSTALLED UNDER THE SPECIFICATION AND SHALL DEMONSTRATE ITS PROPER OPERATION TO THE OWNER'S OPERATING ENGINEER.

26 EACH TRADE SHALL FURNISH, WITHOUT ADDITIONAL EXPENSE TO THE OWNER, THE SERVICES OF COMPETENT INSTRUCTORS, WHO WILL GIVE FULL INSTRUCTION IN THE CARE, ADJUSTMENT, AND OPERATION AND MAINTENANCE OF ALL PARTS OF THE EQUIPMENT TO THE OWNER'S PERMANENT EMPLOYEES WHO ARE TO HAVE CHARGE OF THE EQUIPMENT.

27 ALL WOOD NAILERS AND OTHER LUMBER WHICH IS INSTALLED IN CONTACT WITH METAL, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED AGAINST DECAY (UNLESS OTHERWISE NOTED).

28 MATERIAL EXPOSED WITHIN RETURN AIR PLENUM CEILINGS SHALL COMPLY WITH APPLICABLE CODE.

29 PLANS DO NOT INCLUDE ALL OFFSETS FOR COORDINATION WITH DUCT, PIPING, LIGHTING, AND STRUCTURAL SYSTEMS. PROVIDE ALLOWANCES FOR REQUIRED OFFSETS. PROVIDE OFFSETS AS REQUIRED.

30 BEFORE SUBMITTING A PROPOSAL ON THE WORK SHOWN ON THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, EACH BIDDER SHALL EXAMINE THE SITE, CHECK AS TO THE MEANS OF MAKING CONNECTIONS TO SERVICES, AND SHALL BECOME FAMILIAR WITH ALL THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITIONS WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE PLAN OR SPECIFICATION FROM EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER DURING THE BID PERIOD SO CLARIFICATION CAN BE MADE BY ADDENDUM.

31 NORMAL USE OF THE FACILITY SHALL NOT BE DISTURBED, EXCEPT WITHIN THE IMMEDIATE CONSTRUCTION AREA. ALL WALKS, DRIVEWAYS, AND ENTRANCES SHALL BE KEPT CLEAR AND FREE OF ALL CONTRACTOR'S EQUIPMENT, MATERIAL, AND DEBRIS AT ALL TIMES.

32 CONTRACTOR SHALL THOROUGHLY EXAMINE THE EXISTING BUILDING WITH REGARD TO WHAT TEMPORARY MEASURES HE MUST TAKE IN ORDER TO PERMIT THE OWNER TO OCCUPY SPECIFIC AREAS OF THE BUILDING DURING THE VARIOUS CONSTRUCTION PHASES. REFER TO DIVISION 1, SECTION 1010, "SUMMARY OF WORK" FOR CONSTRUCTION SEQUENCING SCHEDULE. IN GENERAL, SYSTEMS MUST REMAIN IN USE IN THOSE DESIGNATED AREAS TO PERMIT THE OWNER TO FUNCTION IN A PRE-CONSTRUCTION MANNER.

33 EACH TRADE SHALL REMOVE EXISTING WORK THAT IS SHOWN, SPECIFIED, OR OBVIOUSLY NECESSARY FOR COMPLETION OF HIS WORK. OWNER SHALL HAVE THE OPTION OF RETAINING ANY ITEM OR MATERIAL REMOVED UNDER THIS CONTRACT. ITEMS OR MATERIALS NOT RETAINED BY OWNER SHALL BECOME THE PROPERTY OF THE TRADE AND SHALL BE REMOVED FROM THE PREMISES.

HVAC GENERAL NOTES

1 HVAC/SHEET METAL CONTRACTOR SHALL INITIATE THE COORDINATION PROCESS BY PROVIDING REPRODUCIBLE PLAN DRAWINGS SHOWING DUCTWORK AND EQUIPMENT. DRAWINGS WILL BE FORWARDED TO THE PIPING CONTRACTOR AND ELECTRICAL CONTRACTOR FOR INCLUSION OF THEIR SYSTEMS WORK.

2 ALL FLEX DUCT MUST BE INSTALLED PER THE ADC (AIR DIFFUSION COUNCIL) INSTALLATION STANDARDS (MOST CURRENT EDITION), INCLUDING A BEND RADIUS OF ONE DUCT DIAMETER OR GREATER, PROPERLY SEALED AND SECURED WITH 2 INCH BEADED COLLARS, PROPERLY SUPPORTED AND FULLY EXTENDED DUCT. FAN CALCULATIONS FOR THIS PROJECT WERE SIZED FOR 4 FOOT MAXIMUM FLEX DUCT INSTALLED PER THE ADC INSTALLATION STANDARDS. FLEX DUCT SHOWN ON PLANS IS FOR SCHEMATIC PURPOSES ONLY AND SHALL IN NO INSTANCE EXCEED 4 FOOT.

3 HVAC CONTRACTOR SHALL LINE THE INSIDE OF ALL RETURN/RELIEF/EXHAUST PLENUM BOXES PER SPECIFICATIONS. IF NO LINING IS REQUIRED, HVAC CONTRACTOR SHALL PAINT THE INSIDE FLAT BLACK.

4 HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR TESTED AND RATED FIRE STOP SYSTEMS FOR ALL THRU PENETRATIONS OF THE WALLS, FLOORS, AND ROOF ASSEMBLIES RESULTING FROM PIPING AND OTHER WORK UNDER HIS CONTRACT. REFER TO SPECIFICATION SECTION 07841 - FIRESTOPPING FOR REQUIREMENTS.

5 ALL DUCT SIZES ARE INTERNAL DIMENSIONS. CONTRACTOR SHALL INCREASE SHEET METAL SIZE IF DUCT RECEIVES INTERNAL LINER. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS.

6 DUCT ROOF PENETRATION SIZES TO ROOFTOP UNITS ARE SAME AS DUCT MAIN, UNLESS NOTED OTHERWISE. TRANSITION TO UNIT CONNECTION SIZES WITHIN ROOF CURBS.

7 LOCATIONS OF ORIFICES/L-VENTS FOR FABRIC DUCTS ARE ORIENTED WHEN FACING THE DIRECTION OF AIRFLOW.

8 MAINTAIN A MINIMUM OF 10'-0" HORIZONTAL DISTANCE FROM ANY INTAKE TO EXHAUST OUTLET.

9 HVAC CONTRACTOR SHALL CLOSELY COORDINATE WITH GENERAL CONTRACTOR FOR EXACT FIRE AND FIRE/SMOKE DAMPER PENETRATION SIZES IN WALLS AND FLOORING. FLOOR OPENINGS PROVIDED BY PRECAST MANUFACTURER ARE OVERSIZED AND M.C. MUST RELAY EXACT (NOT NOMINAL) OPENING SIZE MEETING UL LISTING TO CONCRETE INSTALLER FOR FRAMING OUT FLOOR OPENING. FLOOR OPENING SHALL HAVE 0.5" FREE SPACE AROUND ALL FOUR SIDES OF DAMPER AT ANY TIME TO ALLOW FOR EXPANSION, NO EXCEPTIONS. INSTALL MOUNTING ANGLE ON ALL FOUR SIDES OF FIRE DAMPERS; ANGLES SHALL NOT BE SECURED TO FLOOR OR WALL. FIRE CAULKING AROUND DAMPERS IS STRICTLY PROHIBITED. REFER TO STANDARDS UL555 & UL555S AND DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PLUMBING GENERAL NOTES

1 COORDINATE UNDERGROUND PIPING WITH GENERAL CONTRACTOR TO ENSURE PROPER FOOTING DEPTH CLEARANCE.

2 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.

3 STORM DRAIN AND ALL VENT PIPING AT 1/8" PER FOOT SLOPE UNLESS NOTED OTHERWISE: ALL WASTE PIPING AT 1/4" PER FOOT SLOPE.

4 ELEVATIONS SHOWN ARE TO THE INVERT OF ALL PIPING BASED ON ARCHITECTURAL FINISHED FLOOR ELEVATION (FFE) OF 100'-0", UNLESS NOTED OTHERWISE.

5 ADJUST SEWER INVERTS TO KEEP BOTTOM OF PIPES IN LINE WHERE PIPE SIZES CHANGE.

6 PROVIDE SHUTOFF VALVES IN ALL WATER PIPING SYSTEM BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES (NOT SHOWN FOR CLARITY) AND WHERE SHOWN ON PLAN AND RISERS.

7 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER ACCESSORIES REQUIRING ACCESS ARE ACCESSIBLE.

8 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG RUNS (OVER 100') TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.

9 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.

10 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.

11 PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT THE ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 100' IN 4" AND LARGER HORIZONTAL RUNS, EVERY 50' IN 3" AND SMALLER HORIZONTAL RUNS, WHERE NOTED ON PLANS, AND WHERE REQUIRED BY CODE.

12 ALL VALVES SHALL BE INSTALLED SO THAT THE VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.

13 SEE PLUMBING RISERS FOR SIZING NOT SHOWN ON PLAN SHEETS (FOR CLARITY) AND SEE PLUMBING FIXTURE SCHEDULE FOR FIXTURE CONNECTIONS AND RUNOUT SIZES.

14 CONTRACTOR TO ENSURE THAT CLEANOUTS (FCO, WCO, CO) LOCATIONS DO NOT REST BELOW OR BEHIND CASEWORK.

15 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES REQUIRED TO COMPLETE WORK STATED IN THE CONTRACT DOCUMENTS.

16 PLUMBING CONTRACTOR TO COORDINATE COUNTER OPENINGS FOR NEW SINKS/LAVS WITH GENERAL CONTRACTOR PRIOR TO ORDERING MATERIALS.

17 PIPES SHOWN SPREAD APART ON PLANS FOR CLARITY. CONTRACTOR TO INSTALL PIPES TIGHT TOGETHER.

18 ALL UNDERGROUND DOMESTIC WATER PIPING SHALL BE SEAMLESS TYPE 'K' COPPER PIPING WITH NO JOINTS. SEE SPECIFICATIONS.

19 GAS PIPING SUPPORTS TO BE EVERY 5 FEET.

20 SEE ARCHITECTURAL ROOF PLAN FOR ROOF SLOPE AND SCUPPER SIZES/LOCATIONS.

21 REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ) SHALL BE INSTALLED AT AN ELEVATION BETWEEN 3'-0" AFF AND 6'-0" AFF AND LABELED INDICATING EQUIPMENT SERVED. RPZ'S SHALL BE INSPECTED AND TESTED ANNUALLY OR AT A RATE PER LOCAL CODES.

22 PIPING MATERIAL FOR SANITARY WASTE, PLUMBING VENTS, AND STORM SEWER SHALL BE CAST IRON WHERE PIPING RUNS THROUGH A RETURN-AIR PLENUM. REFERENCE APPLICABLE MECHANICAL CODE, WITH LOCAL AMENDMENTS. WHERE PIPING MATERIAL MUST BE PVC THE PIPE SHALL BE WRAPPED WITH 3M FIRE BARRIER WRAP AS DESCRIBED IN MECHANICAL SPECIFICATION.

23 FIRE CAULK ALL FLOOR PENETRATIONS AND WHERE PIPING PENETRATES RATED WALLS.

24 ALL PLUMBING INSTALLATION SHALL CONFORM TO STATE PLUMBING CODE WITH LOCAL AMENDMENTS.

25 WHERE NOT SPECIFICALLY INDICATED OTHERWISE, ALL GAS PIPING AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND CURRENT APPLICABLE STATE BUILDING CODE.

26 THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING STATE BUILDING CODE, THE STATE MECHANICAL CODE, AND THE STATE PLUMBING CODE.

28 PLUMBING CONTRACTOR IS RESPONSIBLE TO REMOVE ALL SHAVINGS IN PVC/CPVC/ABS PIPING IN DOMESTIC WATER, SANITARY SEWER, AND STORM SEWER PIPING PRIOR TO LEAVING SITE.

29 PLUMBING CONTRACTOR IS RESPONSIBLE TO PURGE DOMESTIC WATER SYSTEM, INCLUDING BUT NOT LIMITING, ALL CW/HW/CHW PIPING, WATER HEATERS, VALVING, AND PLUMBING FIXTURES, OF ALL DELETERIOUS MATTER AND DISINFECT ENTIRE SYSTEM PRIOR TO UTILIZATION, AS DEFINED AND DESCRIBED IN APPLICABLE PLUMBING CODE.

FIRE PROTECTION GENERAL NOTES

1 COORDINATE UNDERGROUND PIPING WITH GENERAL CONTRACTOR TO ENSURE PROPER FOOTING DEPTH CLEARANCE.

2 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.

3 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER ACCESSORIES REQUIRING ACCESS ARE ACCESSIBLE.

4 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG RUNS (OVER 100') TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.

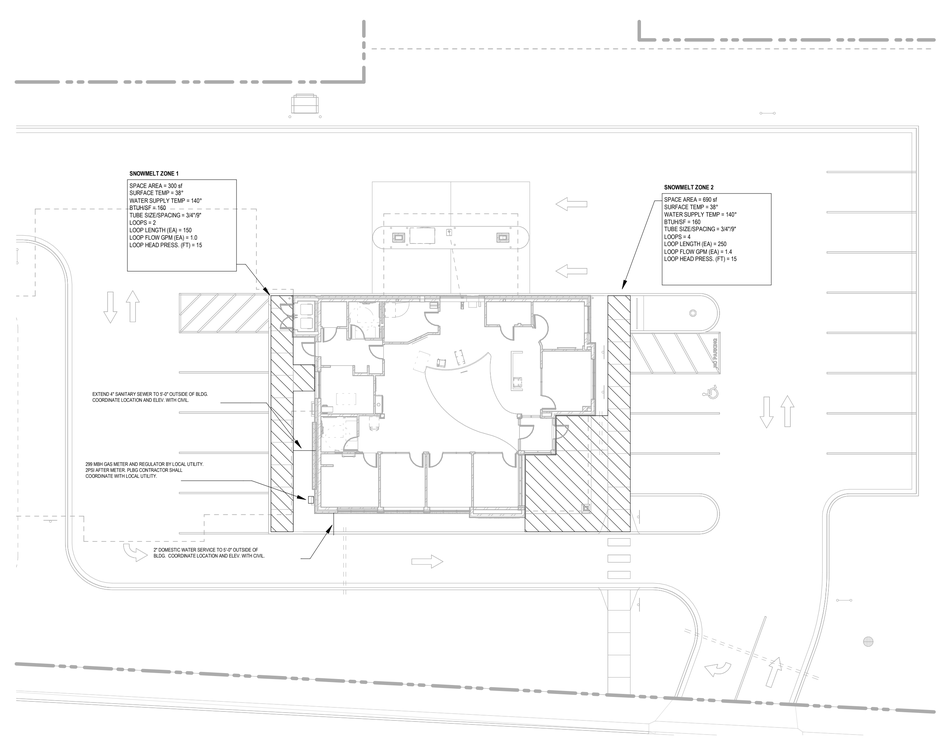
5 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.

6 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.

7 FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES REQUIRED TO COMPLETE WORK STATED IN THE CONTRACT DOCUMENTS.

8 PIPES SHOWN SPREAD APART ON PLANS FOR CLARITY. CONTRACTOR TO INSTALL PIPES TIGHT TOGETHER.

9 FIRE CAULK ALL FLOOR PENETRATIONS AND WHERE PIPING PENETRATES RATED WALLS.



1 MECHANICAL SITE PLAN

NO SCALE

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MECHANICAL GENERAL NOTES & SITE PLAN

Drawn By: JM Checked By: JH

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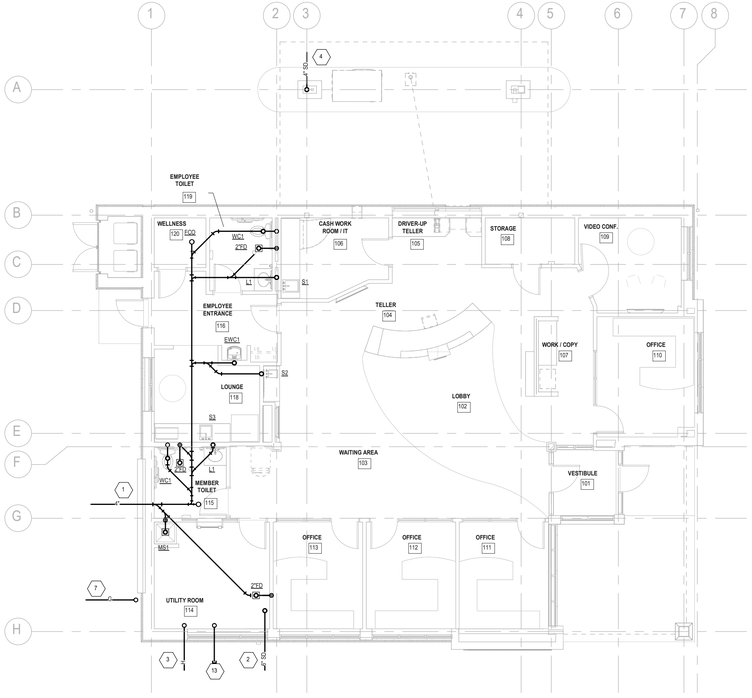
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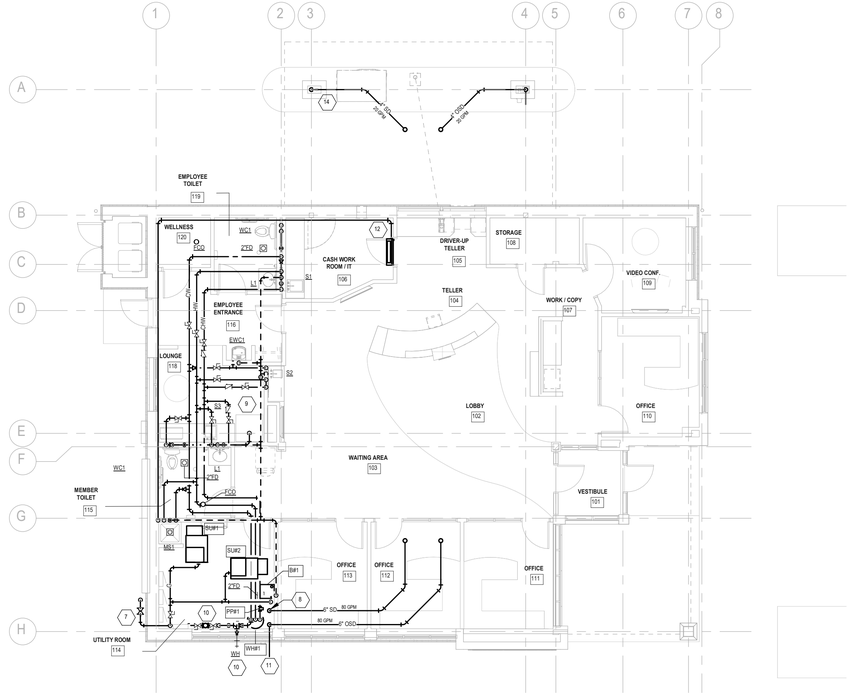
A. SEE SHEET M0.1 FOR GENERAL NOTES

KEY NOTES:

1. EXTEND 4" SANITARY TO 5' OUTSIDE BUILDING WITH FLOOR CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
2. EXTEND 6" STORM TO 5' OUTSIDE BUILDING WITH FLOOR CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
3. EXTEND 2" DOMESTIC WATER SERVICE FROM 5' OUTSIDE BUILDING INTO BUILDING.
4. EXTEND 4" STORM TO 5' OUTSIDE BUILDING WITH WALL CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
5. PROVIDE ROUGH IN FOR FUTURE WATER SOFTENER WITH BYPASS LINE AND SHUTOFF VALVES.
6. MOUNT WATER HEATER ON WALL WITH BOTTOM AT 6' ABOVE FLOOR. SEE DETAIL.
7. GAS METER & REGULATOR BY LOCAL UTILITY. EXTEND 3/4" @2psi AFTER METER. PROVIDE BUILDING SHUT OFF IMMEDIATELY WHEN ENTERING BUILDING.
8. DROP STORM PIPING DOWN ALONG WALL TO BELOW GRADE. PROVIDE WITH CLEANOUT IN VERTICAL PIPING PRIOR TO FLOOR PENETRATION.
9. VENT UP TO 4" VENT THRU ROOF.
10. MOUNT WALL HYDRANT AT 18" ABOVE GRADE. PROVIDE SHUT OFF VALVE FOR WINTER SHUTDOWN.
11. DROP OVERFLOW STORM DOWN WALL AND DISCHARGE AT 18" ABOVE GRADE. SEE DETAIL 4/M5.2
12. EXTEND CONDENSATION DRAIN LINE AS HIGH AS POSSIBLE AND THROUGH WALL TO UTILITY 114. DISCHARGE CONDENSATE DRAIN INTO MOP SINK IN UTILITY 114.
13. EXTEND 1-1/2" IRRIGATION FROM MAIN BELOW GRADE OUTSIDE BUILDING, ROUTE TO GREEN SPACE AND CAP FOR IRRIGATION CONTRACTOR. PROVIDE WATER METER IN IRRIGATION LINE.
14. DROP STORM PIPING IN PIER TO BELOW GRADE. PROVIDE WITH WALL CLEANOUT IN PIER PRIOR TO BELOW GRADE TRANSITION.



1 BELOW FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



2 MAIN LEVEL PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

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MAIN LEVEL & BELOW FLOOR PLAN - PLUMBING

Drawn By: JB & DM Checked By: JH

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GENERAL NOTES:

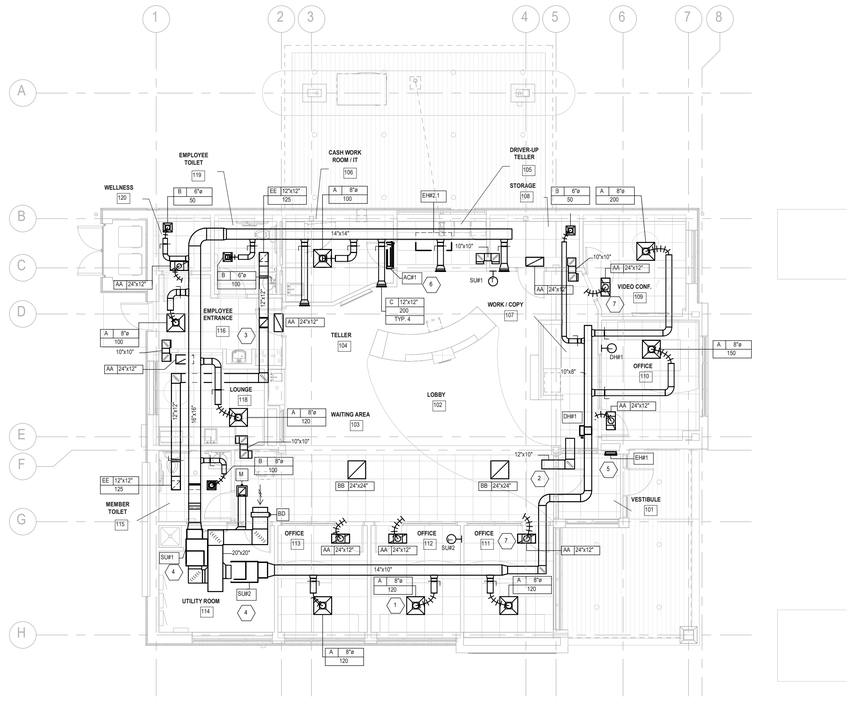
A. SEE SHEET M0.1 FOR GENERAL NOTES

B. ALL HVAC SYSTEMS TO BE BALANCED PER SECTION 6.7.3.3.1 OF ASHRAE 90.1-2019

C. ALL DUCTS TO BE SEAL CLASS A AT 2 INCH W.G. PRESSURE CLASS RATING.

KEY NOTES:

1. SUPPLY DIFFUSER (TYPICAL). SEE DETAIL 1/M6.1.
2. PROVIDE LINED TRANSFER DUCT. SEE DETAIL 7/M6.1.
3. EXTEND EXHAUST AIR UP THROUGH ROOF AND CONNECT TO ROOF EXHAUST FAN. SEE DETAIL 3/M6.1.
4. INSTALL FURNACE HUNG FROM STRUCTURE AS HIGH AS POSSIBLE AND SUPPORT FROM STRUCTURE WITH VIBRATION ISOLATORS. EXTEND FLUE AND COMBUSTION AIR FROM FURNACE THROUGH ROOF. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS. TYP.
5. INSTALL WALL MOUNTED ELECTRIC HEATER WITH HEATING ONLY LINE VOLTAGE WALL THERMOSTAT. PROVIDE RELAY AND INTERLOCK WITH OUTDOOR AIR TEMPERATURE SENSOR. OUTDOOR AIR TEMPERATURE SENSOR TO BE LOCATED WITHIN CONCEALED WEATHER PROOF EXTERIOR ENCLOSURE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALL.
6. MOUNT INDOOR COOLING UNIT WITH BOTTOM 6" ABOVE DOOR. EXTEND REFRIGERANT PIPING UP THROUGH ROOF TO OUTDOOR UNIT. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.
7. PROVIDE RETURN GRILLE PLENUM BOX AND FLEX DUCT WHERE SHOWN. SEE DETAIL 2/M6.1.



1 MAIN LEVEL PLAN - HVAC
SCALE: 1/8" = 1'-0"

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MAIN LEVEL PLAN - HVAC

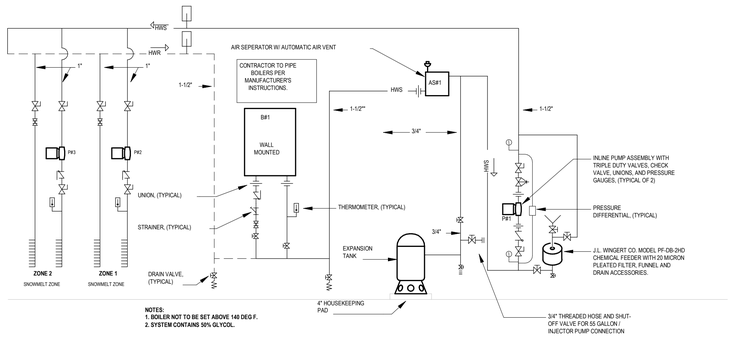
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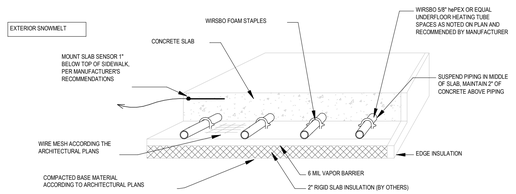
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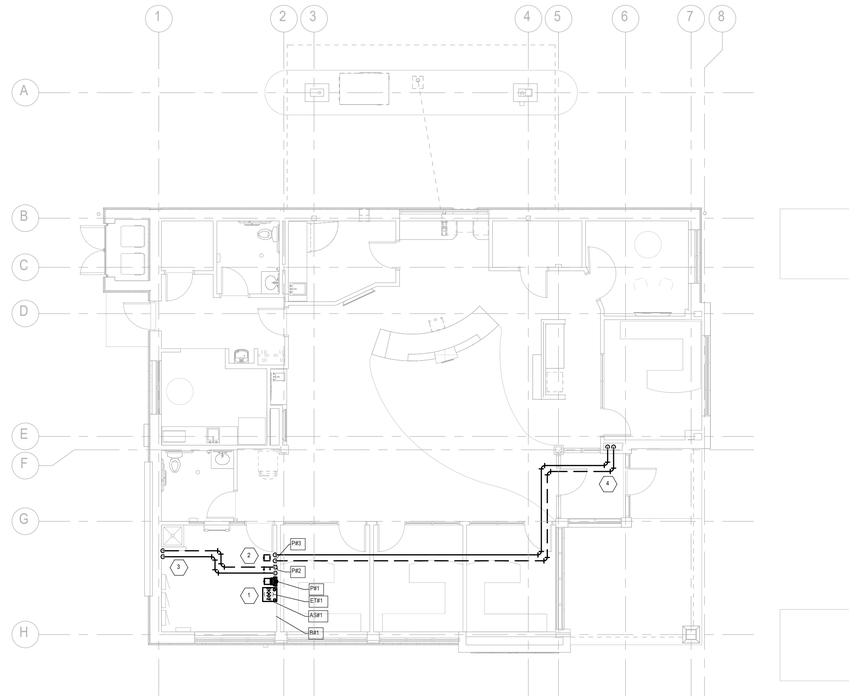


NOTES:
1. BOILER NOT TO BE SET ABOVE 140 DEG F.
2. SYSTEM CONTAINS 50% GLYCOL.

2 BOILER PIPING SCHEMATIC
NO SCALE



3 RADIANT PIPING (INTERIOR AND EXTERIOR) DETAIL
NO SCALE



1 MAIN LEVEL PLAN - HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. SEE SHEET M0.1 FOR GENERAL NOTES

B. ALL HVAC SYSTEMS TO BE BALANCED PER SECTION 6.7.3.3.1 OF ASHRAE 90.1-2019

KEY NOTES:

1. EXTEND BOILER FLUE AND COMBUSTION AIR PIPING THROUGH ROOF. INSTALL PER MANUFACTURERS INSTRUCTIONS. DO NOT ROUTE IN PLENUM RETURN.
2. INSTALL BOILERS ON WALL, MOUNT PUMPS AND ACCESSORIES ON WALL. MOUNT EXPANSION TANK 1'-6" MOUNTING FRAME. SEE 2/M3.1 FOR PIPING DIAGRAM AND PIPE SIZES.
3. DROP HOT WATER PIPING TO MANIFOLD ON WALL. EXTEND PIPING TO SNOW MELT ZONE 1, SEE 1/M3.1. TUBING TO BE INSTALLED IN SLAB. SEE DETAIL 9/M5.1. SNOW MELT TUBING TO BE INSULATED WITH BELOW GRADE RATED CLOSED CELL FOAM PIPE INSULATION BETWEEN BUILDING FOUNDATION AND EXTERIOR SLAB.
4. DROP HOT WATER PIPING TO MANIFOLD IN CHASE. EXTEND PIPING TO SNOW MELT ZONE 2, SEE 1/M3.1. . TUBING TO BE INSTALLED IN SLAB. SEE DETAIL 9/M5.1. SNOW MELT TUBING TO BE INSULATED WITH BELOW GRADE RATED CLOSED CELL FOAM PIPE INSULATION BETWEEN BUILDING FOUNDATION AND EXTERIOR SLAB.

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MAIN LEVEL PLAN - PIPING

Drawn By: JB & DM Checked By: JH

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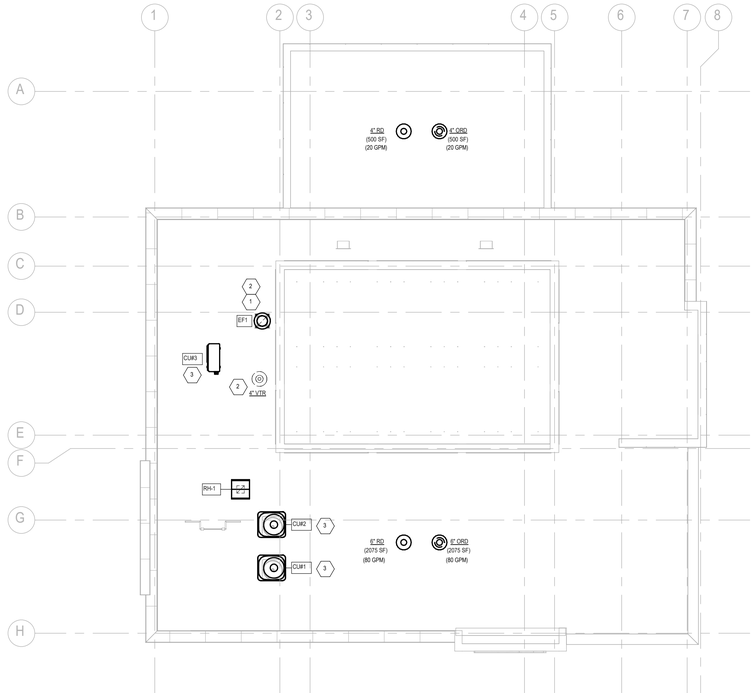
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GENERAL NOTES:

A. SEE SHEET M0.1 FOR GENERAL NOTES

KEY NOTES:

1. INSTALL EXHAUST FAN AND CURB ON ROOF. EXTEND EXHAUST DUCT DOWN THROUGH ROOF, FIELD COORDINATE WITH STRUCTURE. SEE DETAIL.
2. MAINTAIN 10' CLEAR OF ROOF EDGES.
3. EXTEND REFRIGERANT PIPING FROM CONDENSING UNITS THROUGH WALL AND ROUTE TO FURNACES AND INTERIOR AC UNIT IN MEZZANINE. INSTALL PER MANUFACTURERS INSTRUCTIONS. (TYP). SEAL EXTERIOR PENETRATIONS WATER TIGHT.



1 ROOF PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

emanuelson-podas
consulting engineers

Emanuelson-Podas, Inc.
7705 Bush Lake Road
Edina, MN 55439

(952) 930-0050 | www.epinc.com

ROOF PLAN - MECHANICAL

Drawn By: JB & DM Checked By: JH

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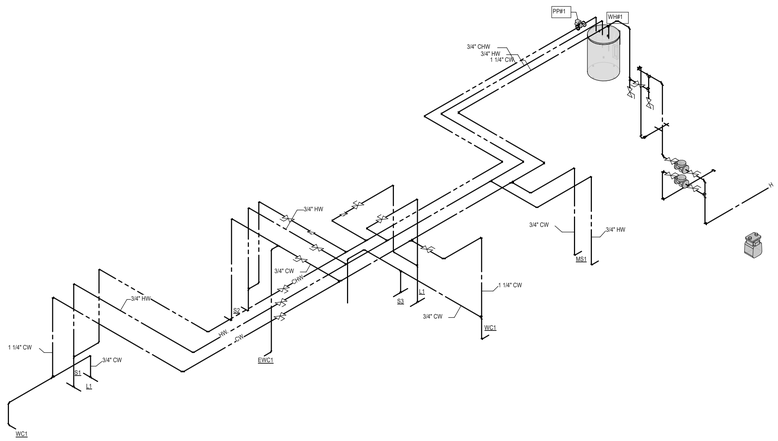
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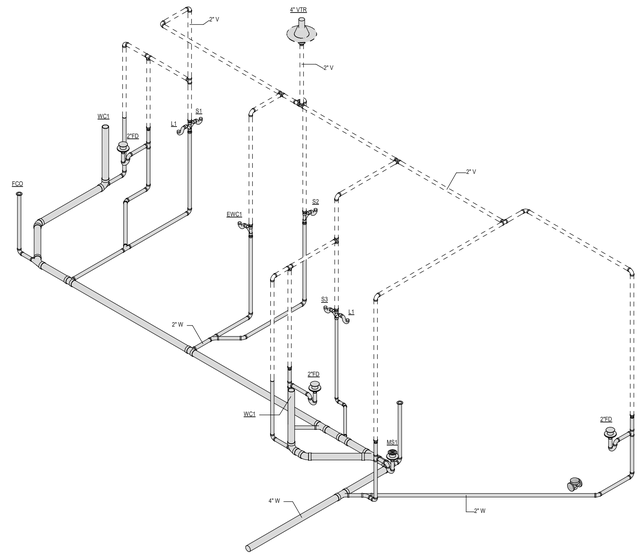
SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL PIPE AND FIXTURE CONNECTION SIZES

PLUMBING RISER DIAGRAMS ARE FOR REFERENCE OF GENERAL PIPE ROUTING AND PIPE SIZES AND ARE NOT FOR ACTUAL PIPING INSTALLATION. ALL PIPING SHALL BE INSTALLED PER CODE.

PROVIDE WATER HAMMER ARRESTORS ON ALL FLUSH VALVE AND SENSOR OPERATED FIXTURES. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.



2 PLUMBING RISER - DOMESTIC
NO SCALE



1 PLUMBING RISER - SANITARY
NO SCALE

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PLUMBING RISER DIAGRAMS

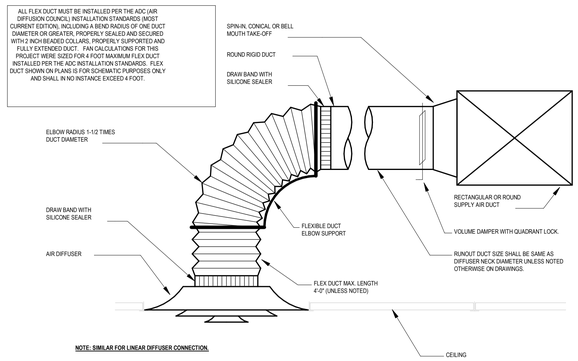
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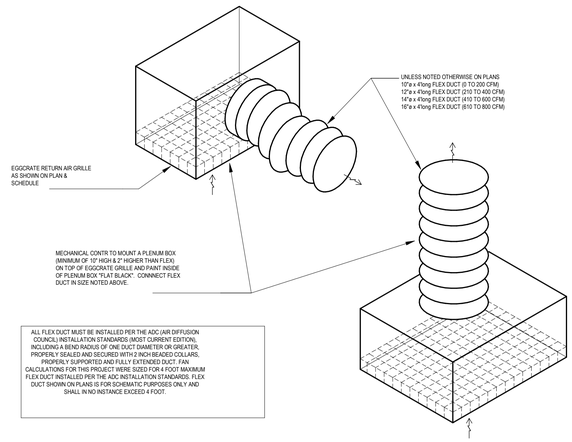
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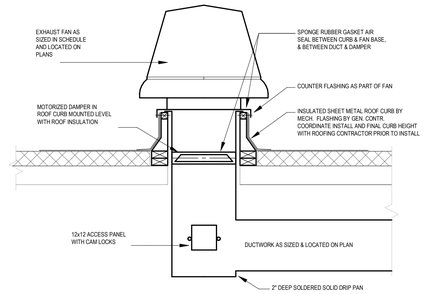
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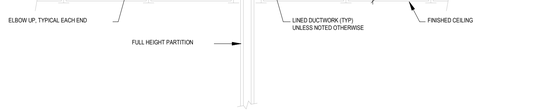
1 TYPICAL DIFFUSER CONNECTION
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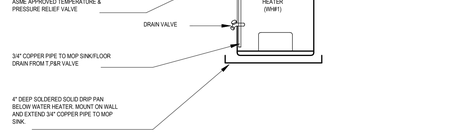
2 RETURN GRILLE PLENUM DETAIL
NO SCALE



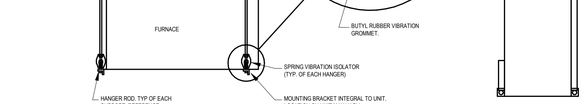
3 ROOF EXHAUST FAN DETAIL
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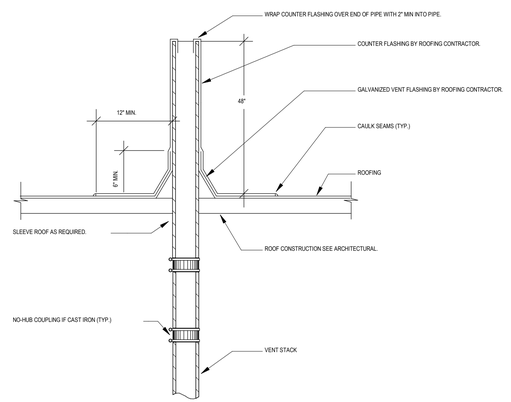
4 LINED TRANSFER AIR DUCT DETAIL
NO SCALE



5 ELECTRIC WATER HEATER W/CIRC PUMP DETAIL
NO SCALE



6 EQUIPMENT HANGING DETAIL
NO SCALE



7 VENT THRU ROOF (VTR) DETAIL
NO SCALE

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MECHANICAL DETAILS

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PLUMBING FIXTURE SCHEDULE

NOTES:
1. TRAP AND SUPPLY WRAP. ASSE 1070 MIXING VALVE.
2. COUNTER BY OTHERS - COORDINATE CLEARANCE SIZE AND ROUGH IN ELEVATION.
3. 4FT. HOSE AND MOP RACK.

MARK	FIXTURE	LOCAL CONNECTION SIZES (INCHES) WASTE	VENT	CW	HW	MOUNTING HEIGHT	NOTES
2"FD	FLOOR DRAIN	2"	1-1/2"	---	---	FLOOR	
EWC1	ELECTRIC WATER COOLER	2"	1-1/2"	1/2"	---	WALL	
L1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
MS1	JANITOR'S SINK, FLOOR MOUNTED	2"	1-1/2"	1/2"	1/2"		
S1	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
S2	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
S3	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
WC1	WATER CLOSET, FLOOR-MOUNTED, FLUSH-VALVE	4"	2"	1-1/4"	---		
WH	HYDRANT - WALL (FREEZE PROOF)	---	---	3/4"	---	WALL	

WATER HEATER - ELECTRIC SCHEDULE

NOTES:
1. SET TEMPERATURE TO 120°F.
2. PROVIDE AMTROL THERM-X-TROL ST-5 EXPANSION TANK. CONNECT TO COLD WATER AT INLET TO HEATER.

MARK	MANUFACTURER	MODEL	TANK CAPACITY (GALS)	EWT (°F)	LWT (°F)	RECOVERY (GPH)	TOTAL INPUT (KW)	STAGES / NO. OF ELEMENTS	ELECTRICAL DATA VOLTS	PHASE	FLA	NOTES
WH#1	A.O. SMITH	DEL-10	10.0	40	140	23	4	1	208	1	19.2	1,4

UNIT HEATER - ELECTRIC SCHEDULE

NOTES:
1. PROVIDE WITH INTEGRAL CONCEALED THERMOSTAT, RECESSED MOUNTING, INTEGRAL DISCONNECT.

MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	HEATING DATA CAPACITY (KW)	CAPACITY (MBH)	EAT (°F)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	CONTROL	MOUNT	NOTES
EH#1	BERKO	FRC-4027F	100	2	6.8	65	208	1	9.6	0	INTEGRAL	WALL	1

RADIANT PANEL - ELECTRIC SCHEDULE

NOTES:
1. PROVIDE WITH 1" FOIL BACK INSULATION, PANEL TO BE 24 GAUGE, SUPPORT PANELS FROM STRUCTURE.
2. PROVIDE UNIT WITH FACTORY WIRED POWER RELAYS.

MARK	LOCATION ROOM NAME	ROOM NO	MANUFACTURER	MODEL	SIZE (LxW)	HEATING DATA CAP (KW)	CAP (MBH)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	CONTROL	MOUNT	NOTES
EH#2.1			BERKO	CP502	48"x24"	0.5	1.7	208	1	3.6	4.5	20		SURFACE	

DUCT COIL - ELECTRIC SCHEDULE

NOTES:
... UNIT SHALL HAVE SCR CONTROLLER, DISCHARGE AIR TEMPERATURE SENSOR, AIR FLOW PROVING SWITCH AND SPACE START / STOP...

MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	EAT (°F)	LAT (°F)	INPUT (KW)	ELECTRICAL DATA VOLTS	PHASE	NOTES
DH#1	THERMOLEC	CUSTOM	400	60	100	4	208	3	1

PLUMBING PUMP SCHEDULE

NOTES:
1. BRONZE WITH REPLACEABLE CARTRIDGE, CONSTANT SPEED.

MARK	MANUFACTURER	MODEL	SERVES	PUMP TYPE	GPM	PUMP HEAD (FT WG)	MOTOR DATA HP	RPM	VOLTS	PHASE	NOTES
PP#1	BELL & GOSSETT	NBF-18S	BUILDING LOOP	INLINE	1	15	90W	3000	120	1	1

AIR BALANCE - OUTDOOR AIR: MAYO EFCU

MECHANICAL EQUIPMENT	ROOM NAME & NUMBER	AREA (SQ. FT)	PEOPLE	ASHRAE 62.1 REQUIREMENTS MAX SUPPLY CFM...	SPACE CLASSIFICATION	PEOPLE RATE (CFM/PER)	AREA RATE (CFM/SF)	Ez	Voz (CFM)	ACTUAL OUTDOOR AIR OA MIN %	OA Total CFM
SU1	OFFICE 113	120	3	120	OFFICE	5.0	0.06	0.8	28	23.1%	28
	OFFICE 112	120	3	120	OFFICE	5.0	0.06	0.8	28	23.1%	28
	OFFICE 111	122	3	120	OFFICE	5.0	0.06	0.8	28	23.3%	28
	OFFICE 110	145	3	150	OFFICE	5.0	0.06	0.8	30	19.8%	35
	CONF 109	115	4	200	OFFICE	5.0	0.06	0.8	34	16.8%	47
SU2	TOILET 115	65	1	100	BATHROOM	0.0	0.00	0.8	0	0.0%	23
	LOUNGE 118	115	3	120	BREAKROOM	5.0	0.06	0.8	27	22.8%	28
	ENTRANCE 116	100	0	120	CORRIDOR	0.0	0.06	0.8	8	6.3%	28
	WELLNESS 120	32	1	100	BREAKROOM	5.0	0.06	0.8	9	8.7%	23
	TOILET 119	57	1	100	BATHROOM	0.0	0.00	0.8	0	0.0%	23
	IT 106	100	0	100	STORAGE	5.0	0.06	0.8	8	7.5%	23
	STORAGE 108	52	0	100	STORAGE	5.0	0.06	0.8	4	3.9%	23
	TELLER 104	275	2	250	LOBBY	5.0	0.06	0.8	33	13.3%	58
	WAITING AREA 103	235	3	250	LOBBY	5.0	0.06	0.8	36	14.6%	58
	LOBBY 102	330	0	250	LOBBY	5.0	0.06	0.8	25	9.9%	58
	COPY 107	115	0	250	LOBBY	5.0	0.06	0.8	9	3.5%	58
TOTALS		2,098	27	2,450					304		570

NOTES:
1. REBALANCE EXISTING UNITS ACCORDING TO THE SCHEDULE.

BOILER - GAS FIRED SCHEDULE

NOTES:
1. PROVIDE WITH OPTIONAL CONDENSATE NEUTRALIZATION KIT, LOW WATER CUTOFF, CONCENTRIC VENT KIT, INTERFACE MODULE (CONNECTION TO BAS).
2. CAPACITY BASED ON 50% GLYCOL.

MARK	LOCATION ROOM NAME	ROOM NO.	MANUFACTURER	MODEL	WATER DATA FLOW RATE (GPM)	WATER PD (FT)	EWT (°F)	LWT (°F)	CONN (IN)	HEATER DATA INPUT (MBH)	OUTPUT (MBH)	THERMAL EFF. (%)	WATER VOLUME (GAL)	VENTING VENT (IN)	AIR (IN)	MATERIAL	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
B#1			LOCHINVAR	WHB285	11	5	130	160	1-1/4	199	189	95	5.0	3	3	PVC	120	1	4	5	15	220	1,2

FURNACE - GAS FIRED SCHEDULE

NOTES:
1. CONCENTRIC VENT KIT FOR VENT AND COMBUSTION AIR PIPES TO TERMINATE THROUGH A SINGLE EXIT.
2. SIDE RETURN INLET WITH FILTER RACK AND 1" FILTERS.
3. ECM FAN MOTORS.
4. ACID NEUTRALIZATION KIT FOR CONDENSATE PIPING.
5. HONEYWELL VISIONPRO 8000, PROGRAMMABLE THERMOSTAT.

MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW (CFM)	OUTSIDE AIR (CFM)	ESP (IN WG)	MOTOR (HP)	HEATING DATA EAT (°F)	LAT (°F)	INPUT (MBH) MIN	INPUT (MBH) MAX	OUTPUT (MBH)	STAGES	COOLING DATA EAT DB/WB (deg F)	LAT DB/WB (deg F)	CAPACITY TOTAL (MBH)	CA CONN. SIZE (IN)	VENT CONN. SIZE (IN)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
SU#1	CARRIER	060V14-14	1200		0.5	1/2	55	100	39	60	58	2	80/67	55/53	42	3	3	120	1	10.1	10.9	25	128	ALL
SU#2	CARRIER	040V14-10	800		0.5	1/2	55	100	26	40	39	2	80/67	55/53	24	3	3	120	1	6.3	7	20	126	ALL

CONDENSING UNIT - AIR COOLED SCHEDULE

NOTES:
1. PROVIDE REFRIGERANT PIPE QUANTITIES AND TRAPS PER MANUFACTURER'S PIPING SCHEMATIC. CONTRACTOR TO VERIFY REFRIGERANT LINE LENGTHS WITH MANUFACTURER FOR LINE SIZES.
2. PROVIDE WITH UNIT STAND-OFF KIT, AND FACTORY INSTALLED TXV. PROVIDE WITH LOW AMBIENT KIT.

MARK	MANUFACTURER	MODEL	SEER/EER	COOLING CAPACITY TOTAL (MBH)	CONDENSER DATA FAN NO	FAN MOTOR HP	NO COMP	AMB TEMP (deg F)	REFRIG. TYPE	MOTOR DATA VOLTS	PHASE	MCA	WEIGHT (LBS)	NOTES
CU#1	CARRIER	26TPA8	18	3	1	1/5	1	90	R-454B	208	1	20.9	214	ALL
CU#2	CARRIER	26TPA8	18	2	1	1/5	1	90	R-454B	208	1	15.5	171	ALL

FAN SCHEDULE

NOTES:
1. 24-INCH PREINSULATED HINGED ROOF CURB AND CURB MOUNTED LOW LEAK MOTORIZED DAMPER, ACTUATOR TO BE SAME VOLTAGE AS FAN MOTOR. VERIFY CURB HEIGHT WITH ROOF INSULATION...

MARK	MANUFACTURER	MODEL	FAN DATA CFM	ESP (IN WG)	RPM	MOTOR DATA DRIVE TYPE	BHP	HP	SONES	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
EF1	GREENHECK	G-098-VG	250	.5	1200	DIRECT	.05	1/6	5.4	208	1	1.5	1.9	15	54	1.

PUMP SCHEDULE

NOTES:
1. PUMP SIZING IS FOR BIDDING PURPOSES ONLY. FINAL PUMP SELECTION SHALL BE BASED ON FINAL RADIANT FLOOR LAYOUT.
2. CAPACITY BASED ON 50% PROPYLENE GLYCOL.

MARK	MANUFACTURER	MODEL	SERVES	TYPE	WATER FLOW (GPM)	PUMP HEAD (FT WG)	MOTOR DATA HP	VOLTS	PHASE	FLA	MCA	MOCP	NOTES
P#1	BELL & GOSSETT	PL-36B	BOILER	INLINE	10.7	25	1/6	120	1	2.1	2.6	20	1,2
P#2	BELL & GOSSETT	PL-30B	ZONE 1	INLINE	5.6	20	1/12	120	1	1.4	1.75	20	1,2
P#3	BELL & GOSSETT	PL-30B	ZONE 1	INLINE	5.6	20	1/12	120	1	1.4	1.75	20	1,2

GRAVITY VENTILATOR SCHEDULE

NOTES:
1. PROVIDE ROOF CURB, BIRD SCREEN, HINGE KIT, AND 120V MOTORIZED DAMPER.

MARK	LOCATION ROOM NAME	ROOM NO	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	VELOCITY (FPM)	MAX PD (IN WG)	OVERALL HOOD SIZE W x L x H (IN)	THROAT SIZE W x L x H (IN)	CURB HEIGHT (IN)	NOTES
RH-1	ROOF	- -	GREENHECK	RCS3	INTAKE	570	400	0.05	26 x 24 x 14	12 x 12 x 5	12"	1

AIR SEPARATOR SCHEDULE

NOTES:
1.

MARK	MANUFACTURER	MODEL	SERVICE	FLUID FLOW (GPM)	MAX PD (FT)	PIPE SIZE (IN)	NOTES
AS#1	SPIROTHERM	VDR 100TM	SNOWMELT	3	2	1	

EXPANSION TANK SCHEDULE

NOTES:
1. WATER IS A SOLUTION OF 50% GLYCOL.

MARK	MANUFACTURER	MODEL	SERVICE	EST. SYSTEM VOLUME (GAL)	TANK VOLUME (GAL)	ASME RATING (PSI)	OPERATING TEMP (°F)	NOTES
ET#1	WESSELS	NLA-35	SNOWMELT	30	9	125	140	1

DIFFUSER, REGISTER, & GRILLE SCHEDULE

NOTES:
1. CONTRACTOR IS RESPONSIBLE TO VERIFY LOCATIONS, INSTALLATION METHODS, AND QUANTITIES PRIOR TO ORDERING MATERIALS.
2. VERIFY FRAME TYPE: PLASTER OR LAY-IN FRAME.
3. MANUFACTURERS OPTIONAL INSULATED ALUMINUM PLENUM BOX.
4. PROVIDE TRM MOUNTING FRAME.
5. PROVIDE MANUFACTURERS REMOTE DAMPER.

MARK	MANUFACTURER	MODEL	LOCATION	AIR	TYPE	FEATURES	DAMPER	MAX STATIC P.D. (IN WG)	FINISH	NOTES
A	TITUS	TMS	LAY-IN CEILING	SUPPLY	DIFFUSER	24"x24", NECK SIZE ON PLAN	N	0.1	WHITE	1,2
B	TITUS	TMS	LAY-IN CEILING	SUPPLY	DIFFUSER	12"x12", NECK SIZE ON PLAN	N	0.1	WHITE	1,2,4
C	TITUS	272RL	SURFACE	SUPPLY	REGISTER	SIZE ON PLAN	N	0.1	WHITE	1,2
AA	TITUS	50F	LAY-IN CEILING	RETURN	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2
BB	TITUS	50F	LAY-IN CEILING	RETURN	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2
EE	TITUS	50F	LAY-IN CEILING	EXHAUST	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2

SPLIT SYSTEM COOLING OUTDOOR UNIT SCHEDULE

NOTES:
1. MAINTAIN MANUFACTURERS RECOMMENDATIONS FOR SERVICE ACCESS TO UNIT. PROVIDE MANUFACTURERS REFRIGERANT LINE SETS, PROVIDE CUSTOM SIZING AS REQUIRED FOR...
2. INSTALL CONDENSING UNIT WITH RUBBER SUPPORT BLOCKS, MAINTAIN MANUFACTURER REQUIRED CLEARANCES.
3. LOW AMBIENT KIT FOR OPERATION DOWN TO -20°F.

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY (TONS)	REFRIGERANT TYPE	CAPACITY CLG (MBH)	SEER /EER	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
CU#3	CARRIER	PUY-A18NKA7	1.5	R454B	18	19.5	208	1	12.8	16	30	218	1,2

SPLIT SYSTEM COOLING INDOOR UNIT SCHEDULE

NOTES:
1. PROVIDE WIRED WALL THERMOSTAT AND INTEGRAL CONDENSATE PUMP.

MARK	MANUFACTURER	MODEL	TYPE	CAP (MBH)	FAN DATA CFM	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	WEIGHT (LBS)	NOTES
AC#1	MITSUBISHI	PKA-A18GA	WALL	18	425	208	1	0.1	16	28	1

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SEQUENCE OF OPERATION:

1.1 SNOWMELT SYSTEM

A. BAS SHALL INTERFACE WITH FACTORY PROVIDED BOILER CONTROLLER THROUGH BACNET COMMUNICATION TO MONITOR SYSTEM.

B. BOILERS, **B-1**

1. BOILERS SHALL OPERATE, AND SEQUENCE BASED ON CONTROLS PROVIDED WITH BOILERS. BUILDING CONTROL SYSTEM SHALL ENABLE/DISABLE BOILER SYSTEM, SET SUPPLY WATER TEMPERATURES, MONITOR AND DISPLAY ALARMS. COORDINATE BAS CONTROLS INSTALLATION WITH BOILER SUPPLIED CONTROLS.
2. INPUT DEVICES:
   a. OUTSIDE AIR TEMPERATURE SENSOR.
   b. SLAB MOISTURE SENSOR.
   c. SLAB TEMPERATURE SENSOR.
   d. SNOWMELT SUPPLY WATER TEMPERATURE SENSORS.
   e. SNOWMELT RETURN WATER TEMPERATURE SENSORS.
3. ACTION:
   a. ENABLE BOILER SYSTEM WHEN OUTSIDE AIR TEMPERATURE AND THE SLAB TEMPERATURE ARE BELOW 35°F (ADJ.).
   b. IF SNOW/MOISTURE IS DETECTED FROM ANY ZONE SLAB MOISTURE SENSOR, PUMP SHALL RUN CONTINUOUSLY. OPEN THE AFFECTED ZONE CONTROL VALVE.
   c. THE BOILER SHALL MODULATE THE OUTPUT TO MAINTAIN SUPPLY WATER TEMPERATURE OF 110°F (ADJ.) IN THE SNOW MELT LOOP UNTIL SLAB MOISTURE SENSOR IS SATISFIED.
   d. ONCE THE ZONE SLAB MOISTURE SENSOR IS SATISFIED CLOSE THE ZONE CONTROL VALVE.
   e. DEACTIVATE THE SNOW MELT SYSTEM ONCE ALL ZONE MOISTURE SENSORS ARE SATISFIED.

C. BUILDING CIRCULATING PUMPS, **P-1**:
1. PUMP CONTROL (VARIABLE SPEED):
   a. ACTIVATE LEAD PUMP AT MINIMUM SPEED WHENEVER A BOILER SYSTEM IS ACTIVATED.
   b. PUMP SHALL MODULATE FROM INTERNAL PUMP CURVES PRE-PROGRAMMED AT FACTORY. SET PUMP OPERATION TO CONSTANT PRESSURE CURVE. INTERNAL CONTROLS SHALL MODULATE ECM OUTPUT TO MAINTAIN DIFFERENTIAL PRESSURE. CONTROLLER SHALL MONITOR PUMP SPEED AND DISPLAY ON GRAPHICS.
   c. ACTIVATE STANDBY PUMP UPON A FAILURE OF PRIMARY PUMP STATUS AND ALARM ON THE BAS.

D. . HYDRONIC FLUSHING
1. BAS SHALL HAVE THE FOLLOWING COMMANDS:
   a. CLOSE ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVES
   b. OPEN ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVES
   c. RELINQUISH ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVE

E. ALARMS:
1. BOILER FAILURE: BOILER IS COMMANDED ON BUT IS OFF
2. BOILER RUNNING IN HAND: BOILER IS COMMANDED OFF BUT IS ON
3. HIGH SUPPLY WATER TEMPERATURE: >10°F (ADJ.) ABOVE SETPOINT
4. LOW SUPPLY WATER TEMPERATURE: >10°F (ADJ.) BELOW SETPOINT
5. PUMP FAILURE: PUMP IS COMMANDED ON BUT IS OFF
6. PUMP RUNNING IN HAND: PUMP IS COMMANDED OFF BUT IS ON
7. ZONE VALVE FAILURE: VALVE IS COMMANDED OPEN BUT IS CLOSED
8. ZONE VALVE IN HAND: VALVE IS COMMANDED CLOSED BUT IS OPEN

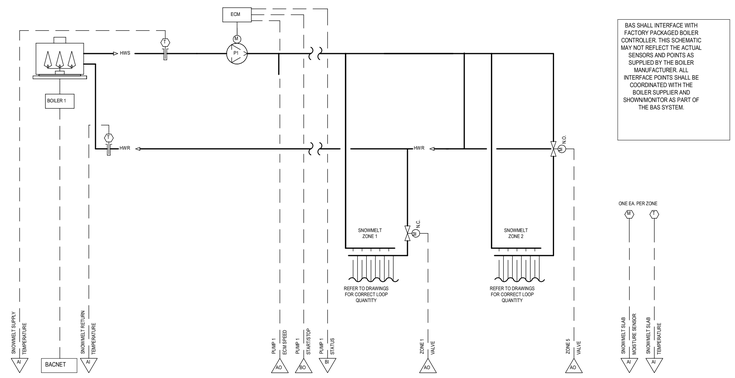
POINTS LIST: SNOWMELT SYSTEMS

POINT NAME	HARDWARE POINTS AI	AO	BI	BO	SOFTWARE POINTS AV	BV	BACNET	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
HOT WATER RETURN TEMPERATURE	X									X	X	X
HOT WATER SUPPLY TEMPERATURE	X									X	X	X
HOT WATER DIFFERENTIAL PRESSURE	X									X	X	X
SLAB MOISTURE SENSOR	X									X	X	X
SLAB TEMPERATURE	X									X	X	X
PUMP 1 ECM SPEED		X								X		X
ZONE 1 VALVE		X								X		X
ZONE 2 VALVE		X								X		X
PUMP 1 STATUS			X							X	X	X
PUMP 1 START / STOP				X						X		X
DIFFERENTIAL PRESSURE SETPOINT					X					X		X
OUTSIDE AIR TEMPERATURE					X					X	X	X
SLAB TEMPERATURE SET POINT					X					X	X	X
SUPPLY WATER TEMPERATURE SETPOINT					X					X		X
CURRENT MODE						X			X		X	
BOILER							X				X	X

POINT NAME	HARDWARE POINTS AI	AO	BI	BO	SOFTWARE POINTS AV	BV	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
BOILER FAILURE										X	
BOILER RUNING IN HAND										X	
PUMP 1 FAILURE										X	
PUMP 1 RUNNING IN HAND										X	
ZONE VALVE 1-2 FAILURE										X	
ZONE VALVE 1-2 IN HAND										X	
HIGH HOT WATER SUPPLY TEMPERATURE										X	
LOW HOT WATER SUPPLY TEMPERATURE										X	

BOILER INTERFACE MONITOR: CURRENT BOILER STATUS AND OPERATING CONDITIONS WILL BE MONITORED THROUGH ITS COMMUNICATIONS INTERFACE PORT. THE BACNET INTERFACE WILL MONITOR AND TREND THE POINTS AS SHOWN ON THE POINTS LIST.

BURNER CYCLES					X						X
HOT WATER RETURN TEMP					X				X		X
HOT WATER SUPPLY TEMP					X				X		X
HOT WATER SUPPLY TEMP SETPOINT					X				X		X
OPERATING HOURS					X						X
OPERATING PRESSURE					X				X		X
OPERATING TEMP					X				X		X
BOILER STATUS						X			X		X
HOT WATER FLOW STATUS			X						X		X



1 CONTROL DIAGRAM: SNOW MELT - HYDRONIC
NO SCALE

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS
DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

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MECHANICAL CONTROLS

Drawn By: JB & DM Checked By: JH

M8.1

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ELECTRICAL ABBREVIATIONS

1P	1 POLE (NUMBER DENOTES QUANTITY)
1P1W	1 POLE, 1 WIRE (NUMBER DENOTES QUANTITY)
2W	2 WIRE (NUMBER DENOTES QUANTITY)
72"	MOUNTING HEIGHT (CENTERLINE TO FLOOR OR GRADE)
A	AMPERE
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECT(URAL)
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BCE	BUILDING CONTROLLER ENCLOSURE
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CD	CANDELA
CKT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CONT	CONTINU(E) (OUS) (ED) (ATION)
CONTR	CONTRACTOR
CP	CORD AND PLUG
CT	CURRENT TRANSFORMER
CTE	CONNECT TO EXISTING
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DOWN	DOWN
DSD	DUCT SMOKE DETECTOR
DWG	DRAWING
Δ	DELTA
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METALLIC CONDUIT
FUSW	FUSE/SWITCH RATINGS (AMPS)
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ
IAM	INDIVIDUAL ADDRESSABLE MODULE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS

ELECTRICAL ABBREVIATIONS

KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LCT	LOAD CENTER TYPE
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LTG	LIGHTING
MAG	MAGNETIC
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL	OVERLOAD
P	POLE
PB	PULL BOX
PIV	POST INDICATING VALVE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
Ø OR PH	PHASE
REQ	REQUIRED
RSC	RIGID STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SIG	SIGNAL
SP	SPARE
SS	STAINLESS STEEL
SSNR	SOFT START NON-REVERSING
SSR	SOFT START REVERSING
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
T-STAT	THERMOSTAT
TT	THERMAL TOGGLE
TYP	TYPICAL
UG	UNDERGROUND
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Y	WYE

ELECTRICAL SYMBOL LEGEND

POWER

SYMBOL	DESCRIPTION	MTG HT
XX / XX	RECEPTACLE TYPE LEGEND WP = WEATHERPROOF SS = STAINLESS STEEL FACEPLACE GFCI = GROUND FAULT USB = USB TYPE RECEPTACLE T = TAMPERPROOF RECEPTACLE H = HOSPITAL GRADE RECEPTACLE	18"
	FOURPLEX RECEPTACLE	18"
	SIMPLEX RECEPTACLE	18"
	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING
	DUPLEX RECEPTACLE, LOWER SWITCHED	18"
	FOURPLEX RECEPTACLE, SWITCHED	18"
	DUPLEX RECEPTACLE, SWITCHED	18"
	HORIZONTAL MOUNT DUPLEX RECEPTACLE	18"
XX	SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	18"
XX	CEILING MOUNT SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	CEILING
	DUPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	FOURPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	RECESSED JUNCTION BOX W/ FLEX CONNECTION	
XX	RECESSED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
XX	SURFACE MOUNTED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
XX	RECESSED JUNCTION BOX, WAL - LETTER INDICATES TYPE - SEE NOTE 4	18"
XX	SURFACE MOUNTED JUNCTION BOX, WALL - LETTER INDICATES TYPE - SEE NOTE 4	18"
	FLOOR BOX WITH DEVICES INDICATED	FLOOR
PB	PULLBOX SIZED AS REQUIRED OR NOTED	

POWER DISTRIBUTION

SYMBOL	DESCRIPTION	MTG HT
	GENERATOR - SIZE VARIES	
	TRANSFORMER - SIZE VARIES	
	PANELBOARD	WALL OR FLOOR
	SWITCHBOARD/DISTRIBUTION PANELBOARD	WALL OR FLOOR
	GROUND	
M	METER	
MH	MANHOLE	
HH	HANDHOLE	
ATS	AUTOMATIC TRANSFER SWITCH	

MOTORS

SYMBOL	DESCRIPTION	MTG HT
	PUSHBUTTON - SINGLE	
	PUSHBUTTON - DOUBLE	
	PUSHBUTTON - TRIPLE	
S_M	MOTOR RATED TOGGLE SWITCH	
S_F	SWITCH / FUSE ASSEMBLY	
S_T	SWITCH / THERMAL OVERLOAD	
	COMBO MOTOR STARTER / DISCONNECT SWITCH	60"
	MOTOR	
XXX-###	EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)	
	NON-FUSED DISCONNECT SWITCH	54"
F	FUSED DISCONNECT SWITCH	54"
	MOTOR STARTER	54"
	MUSHROOM HEAD PUSHBUTTON	
	EQUIPMENT CONNECTION	

LIGHTING CONTROLS

SYMBOL	DESCRIPTION	MTG HT
S_{XX}	LIGHTING CONTROL TYPE LEGEND X = SINGLE POLE SWITCH X DENOTES SWITCH LEG 2 = DOUBLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH EP = EXPLOSION PROOF SWITCH E = EMERGENCY SWITCH LV = LOW VOLTAGE SWITCH PL = PILOT LIGHT SWITCH K = KEY OPERATED SWITCH L = LIGHTED TOGGLE SWITCH MC = MOMENTARY CONTACT SWITCH VS = WALL SENSOR VACANCY SWITCH OS = WALL SENSOR OCCUPANCY SENSOR	46"
$S_{(C)}$	LIGHTING CONTROL - "X" DENOTES TYPE TYPE A: LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL 0-10V AND RAISE/LOWER BUTTONS TYPE D: DIGITAL DIMMER. TYPE P: DIGITAL 4-SCENE PRESET SWITCH W/ RAISE/LOWER CONTROL. TYPE S: DIGITAL 2-BUTTON ON/OFF SWITCH.	46"
(XX) CEILING / (XX) WALL	LIGHTING CONTROL TYPE LEGEND R = LINE VOLTAGE RELAY TS = TIME SWITCH C = CONTACTOR CL = CURRENT LIMITER VS = VACANCY SENSOR OS = OCCUPANCY SENSOR RC = ROOM CONTROLLER PS = PHOTOSENSOR ER = EMERGENCY BYPASS RELAY B = REMOTE BALLAST / DRIVER BAT = REMOTE BATTERY	

LIGHTING

SYMBOL	DESCRIPTION	MTG HT
	FIXTURE RECESSED MOUNTED	CEILING
	FIXTURE SURFACE MOUNTED	CEILING
	PENDANT MOUNTED STRIP FIXTURE	
	WALL MOUNTED STRIP FIXTURE	WALL
	DOWN LIGHT FIXTURE	CEILING
	WALL MOUNTED FIXTURE	WALL
	PENDANT FIXTURE	
	TRACK LIGHTING, HEADS SPACED AS INDICATED	
	LIGHT FIXTURE ON EMERGENCY CIRCUIT	
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	CEILING
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	CEILING
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	WALL
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	CEILING
	EXTERIOR POLE MOUNTED FIXTURE	GRADE
	EXTERIOR BOLLARD FIXTURE	GRADE

CABLING

SYMBOL	DESCRIPTION	MTG HT
	WIRE, CONDUIT PER SPECIFICATIONS	
	WIRE IN OR BELOW SLAB OR UNDER GROUND (UG), CONDUIT PER SPECIFICATIONS	
	WIRE COUNTS WHEN MORE THAN 2 WIRES IN CONDUIT PLUS GROUND	
	HOME RUN	
	CONDUIT SLEEVE	
	CONDUIT STUB	

COMMUNICATIONS / DATA

SYMBOL	DESCRIPTION	MTG HT
	TELEPHONE CABINET - SIZE AS INDICATED	
	RACK - SIZE AS INDICATED	
	COMMUNICATIONS BOARD - SIZE AS INDICATED	
	FLOOR BOX	
	TELEPHONE	18"
W	TELEPHONE - WALL HUNG	46"
	COMBINATION PHONE/DATA OUTLET	18"
	DATA OUTLET	18"
C / H	DATA - CEILING MOUNTED HANDSET	CLG
X	WALL CLOCK TYPE LEGEND M = MASTER CLOCK D = DUAL FACE CLOCK C = CLOCK OUTLET NONE = STANDARD WALL CLOCK	94"
S	SPEAKER - WALL MOUNTED	
S	SPEAKER - CEILING MOUNTED	94"
SPK	SOUND REINFORCEMENT - CEILING MOUNTED	
	WALL/FLOOR COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
	CEILING COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
X	WALL COMMUNICATIONS DEVICE SC = SCREEN CONTROLLER TV = TV OUTLET V = VOLUME CONTROL	
X	CEILING COMMUNICATIONS DEVICE M = MICROPHONE OUTLET SC = SCREEN CONTROLLER TERMINATION BOX TV = TV OUTLET	
	BUZZER	
S	BUZZER/STROBE	
	BELL	
C	CHIME	44"
RP	RESCUE ASSIST CALL STATION	
RAP	RESCUE ASSIST ZONE ANNUNCIATOR	
RPB	RESCUE ASSIST POWER SUPPLY WITH PHONE INTERFACE	

SECURITY

SYMBOL	DESCRIPTION	MTG HT
	SECURITY CALL BUTTON	
	SECURITY ALARM PUSHBUTTON (DURESS BUTTON)	
S	ELECTRIC STRIKE	
L	ELECTRIC LATCH	
MC	SECURITY MAGNETIC CONTACT	
MS	SECURITY MOTION SENSOR - REQUEST TO EXIT	
IC	FACILITY INTERCOM	46"
K	SECURITY KEYPAD	46"
CR	SECURITY CARD READER	46"
	INDICATOR LIGHT - CEILING MOUNTED	
	INDICATOR LIGHT - WALL MOUNTED	
	PAGING HORN	
	CCTV CAMERA - CEILING MOUNTED	
	CCTV CAMERA - WALL MOUNTED	
M	VIDEO MONITOR	
EM	EMERGENCY PHONE - WALL MOUNTED	
EM	EMERGENCY PHONE - BOLLARD MOUNTED	
A	ALARM	

FIRE ALARM

SYMBOL	DESCRIPTION	MTG HT
FACP	FIRE ALARM CONTROL PANEL	
FAA	REMOTE FIRE ALARM ANNUNCIATOR PANEL	
BAT	FIRE ALARM BATTERY CABINET	
AUX	FIRE ALARM AUXILIARY CABINET	
NAC	FIRE ALARM NAC PANEL	
EH	MAGNETIC DOOR HOLD OPEN	
F	FIRE ALARM BELL AND LIGHT	90"
F	FIRE ALARM HORN, WALL MOUNT	82"
F M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), WALL MOUNT	82"
F	FIRE ALARM SPEAKER	82"
F ##	FIRE ALARM STROBE ## DENOTES CANDELA RATING	82"
F ##	FIRE ALARM HORN/STROBE ## DENOTES CANDELA RATING	82"
F ##	FIRE ALARM SPEAKER/STROBE ## DENOTES CANDELA RATING	82"
F	FIRE ALARM HORN, CEILING	CEILING
F M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), CEILING MOUNT	CEILING
F ##	FIRE ALARM STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
F ##	FIRE ALARM HORN/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
F ##	FIRE ALARM SPEAKER/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
FS	COMBINATION FIRE/SMOKE DAMPER	
S	SMOKE DAMPER	
Z	FIRE ALARM ADDRESSABLE MODULE	
FR	FIRE ALARM RELAY MODULE	
F	FIRE ALARM MANUAL PULL STATION	44"
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE CEILING MOUNT	CEILING
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE CEILING MOUNT	CEILING
	CARBON MONOXIDE DETECTOR CEILING MOUNT	CEILING
	MULTI CRITERIA DETECTOR CEILING MOUNT	CEILING
	FIRE ALARM DUCT SMOKE DETECTOR	
135	FIRE ALARM HEAT DETECTOR CEILING MOUNT 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	CEILING
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE WALL MOUNT	
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE WALL MOUNT	
	CARBON MONOXIDE DETECTOR WALL MOUNT	
	MULTI CRITERIA DETECTOR WALL MOUNT	
	FIRE ALARM BEAM DETECTOR - TRANSMITTER	
	FIRE ALARM BEAM DETECTOR - RECEIVER	
135	FIRE ALARM HEAT DETECTOR WALL TYPE 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	
FS	FIRE SPRINKLER TAMPER SWITCH	
FL	FIRE SPRINKLER FLOW SWITCH	
PIV	FIRE SPRINKLER POST INDICATOR VALVE (PIV)	

NOTES:

1. THESE SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY NOT APPEAR ON THIS PROJECT.
2. MOUNTING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED UNLESS INDICATED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE.
3. RECEPTACLE LEGEND:
   C = DATA RACK RECEPTACLE - NEMA L5-30R - MH = CEILING - FEEDER: 10-10-1/2"
   D = DRYER - NEMA 14-30R - MH = 24" - FEEDER: 8-10-3/4"
   R = RANGE - NEMA 14-50R - MH = 6" - FEEDER: 6-10-3/4"
4. OCCUPANCY SENSOR LEGEND:
   - P1 = DIGITAL PASSIVE INFRARED
   - P2 = NON-DIGITAL DUAL - TECHNOLOGY
   - P3 = NON-DIGITAL PASSIVE INFRARED COLD WEATHER
   - P4 = DIGITAL PASSIVE INFRARED HIGH-BAY
   - U1 = DIGITAL ULTRASONIC
   - U2 = NON-DIGITAL ULTRASONIC
   - DT1 = DIGITAL DUAL - TECHNOLOGY
   - DT2 = NON-DIGITAL DUAL-TECHNOLOGY
   - DT3 = DIGITAL DUAL-TECHNOLOGY ADJUSTABLE MOUNT

ELECTRICAL SHEET INDEX

E0.0	ELECTRICAL TITLE SHEET
E0.1	ELECTRICAL GENERAL NOTES
E0.2	SITE PLAN - PHOTOMETRICS
E0.3	SITE PLAN - ELECTRICAL LIGHT FIXTURES DESCRIPTIONS
E0.4	SITE PLAN - ELECTRICAL
E1.1	MAIN LEVEL PLAN - LIGHTING
E1.2	CLERESTORY LEVEL PLAN - LIGHTING
E2.1	MAIN LEVEL PLAN - POWER
E2.2	CLERESTORY LEVEL PLAN - POWER
E3.1	ELECTRICAL DETAILS
E3.2	ENERGY COMPLIANCE FORMS
E3.3	ENERGY COMPLIANCE FORMS
E4.1	ELECTRICAL SCHEDULES
E4.2	ELECTRICAL SCHEDULES
T1.1	MAIN LEVEL PLAN - TECHNOLOGY

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS

DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

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ELECTRICAL TITLE SHEET

Drawn By: FSB Checked By: KDM

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ELECTRICAL GENERAL NOTES

1 ANY ELECTRICAL BOX THAT BECOMES ABANDONED DURING THE COURSE OF THE PROJECT SHALL HAVE A BLANK COVERPLATE.

2 WHERE OTHER ELECTRICAL DEVICES ARE LOCATED ADJACENT TO LIGHT SWITCHES, MOUNT ALL DEVICES AT THE SAME CENTER LINE ELEVATION.

3 ALIGN DEVICES VERTICALLY WHERE DEVICES OF DIFFERENT MOUNTING HEIGHTS ARE INDICATED CLOSE TO OTHER DEVICES.

4 DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.

5 ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A PULLWIRE OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL, AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.

6 IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.

7 CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.

8 WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.

9 WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.

10 PROVIDE PERMITS AND INSPECTIONS REQUIRED.

11 GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.

12 VERIFY THE EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.

13 SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.

14 PROVIDE EXTERIOR PULL BOXES AND HANDHOLES AS REQUIRED TO COMPLETE WORK INDICATED. SPLICES IN EXTERIOR PULL BOXES AND HANDHOLES SHALL BE MADE WATERPROOF USING "SCOTCHCAST" SPLICE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL.

15 VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO WORK.

16 CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT PROVIDED BY THIS CONTRACTOR.

17 CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.

18 SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.

19 CONDUITS PENETRATING THRU ROOF SHALL BE CONSTRUCTED IN CONFORMANCE WITH ARCHITECTURAL ROOFING SECTION(S) AND "SHEET METAL FLASHING AND TRIM" SECTION 076200.

20 ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY UL OR OTHER RECOGNIZED TESTING FACILITY.

21 REFER TO ARCHITECTURAL CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION ON LOCATION OF ELECTRICAL DEVICES MOUNTED IN OR NEAR CASEWORK. COORDINATE MOUNTING HEIGHT AND PLACEMENT OF DEVICES DESIGNATED "AC" (ABOVE COUNTER). REPORT DISCREPANCIES TO ENGINEER PRIOR TO INSTALLATION.

22 PROVIDE FIRE RATED SEALS ON PENETRATIONS IN FIRE RATED FLOORS AND WALLS. REFER TO CODE PLANS FOR RATED FLOOR AND WALL LOCATIONS.

23 PROVIDE ACOUSTICAL SEALANT ON ALL WALL PENETRATIONS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR DETAILS.

24 WHERE CONDUITS ARE INSTALLED EMBEDDED IN CONCRETE POURS, THE OUTSIDE DIAMETER OF THE CONDUITS SHALL NOT EXCEED 1/3 OF THE MINIMUM THICKNESS OF THE SLAB, SHALL BE SPACED NO CLOSER THAN 3 CONDUIT DIAMETERS ON CENTER, AND SHALL NOT CROSS OVER EACH OTHER. CONDUIT SHALL BE INSTALLED IN MIDDLE THIRD OF SLAB. USE APPROVED SUPPORTS FOR CONDUIT.

LIGHTING GENERAL NOTES

1 IN MECHANICAL, ELECTRICAL, AND COMMUNICATION EQUIPMENT ROOMS, CONDUIT FOR LIGHTING FIXTURES MAY BE RUN EXPOSED.

2 LETTER THUS: "A" = INDICATES TYPE OF LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE TYPES AS NOTED ON THE LIGHTING FIXTURE SCHEDULE. CIRCUIT INDICATED THUS: "A/XX" WHERE "XX" INDICATES CIRCUIT NUMBER.

3 COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF FIXTURES IN MECHANICAL ROOMS WITH DUCTS, PIPES, AND EQUIPMENT. MOUNT FIXTURES BELOW DUCTS AND PIPES AND AVOID MOUNTING FIXTURES OVER EQUIPMENT. SUPPORT FIXTURES INDEPENDENTLY OF DUCTS, PIPES, AND EQUIPMENT.

4 LIGHT SWITCHES SHALL BE MOUNTED ON LATCH SIDE OF DOOR WITHIN 12" OF DOOR/SIDELIGHT FRAMING, UNLESS NOTED OTHERWISE. LIGHT SWITCHES INSTALLED ADJACENT TO DOOR SWINGS SHALL BE MOUNTED CLEAR OF DOOR SWING AND WITHIN 12" OF DOOR IN OPEN POSITION. COORDINATE LOCATION WITH OTHER WALL DEVICES.

5 COORDINATE ALL LIGHTING LOCATIONS WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO INSTALLATION.

6 UNLESS SPECIFICALLY NOTED, REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT EXTERIOR FIXTURE MOUNTING HEIGHTS AND LOCATIONS.

7 REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES AND DEVICES.

8 MOUNT ALL EXIT LIGHTS DIRECTLY ABOVE DOOR 1'-0" FROM TOP OF OPENING, WHEREVER POSSIBLE. WHERE CEILINGS ARE 10'-0" OR BELOW, MOUNT IN CEILING ABOVE DOOR. REFER TO DETAIL SHEETS FOR TYPICAL EXIT SIGN MOUNTING.

9 MOUNTING HEIGHTS SHOWN FOR WALL MOUNTED FIXTURES ARE TO CENTER. MOUNTING HEIGHTS SHOWN FOR PENDANT FIXTURES ARE TO BOTTOM OF FIXTURE.

10 OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS IN ROOM SERVED, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO PROVIDE RELAY PACKS AS REQUIRED FOR DIFFERENT VOLTAGES, CIRCUITS, AND DIMMER CONTROLLED LIGHTS. REFER TO DETAIL SHEETS FOR OCCUPANCY SENSOR WIRING.

11 DO NOT SHARE NEUTRALS ON LIGHTING CIRCUITS.

12 RECESSED LIGHT FIXTURES INSTALLED IN GYP BOARD OR PLASTER CEILINGS SHALL HAVE PLASTER FRAMES INSTALLED PRIOR TO CEILING MATERIAL.

13 RECESSED FIXTURES INSTALLED INDOORS AND IN POTENTIAL CONTACT WITH INSULATION SHALL BE THERMALLY PROTECTED (IC RATED).

14 VERIFY TYPE OF CEILING CONSTRUCTION FOR PROPER MOUNTING OF ALL RECESSED LIGHT FIXTURES. INSTALLATION OF LIGHT FIXTURES SHALL COMPLY WITH ALL INTERNATIONAL BUILDING CODE REQUIREMENTS.

15 PROVIDE TWO INDEPENDENT SUPPORTS FOR ALL RECESSED LIGHT FIXTURES.

16 FIXTURES INDICATED AS BEING ON EMERGENCY SHALL BE PROVIDED WITH SELF-CONTAINED BATTERY POWERED INVERTER UNIT FOR DIRECT MOUNTING IN FIXTURE, UNLESS NOTED OTHERWISE. BATTERY SHALL OPERATE FIXTURE FOR A MINIMUM OF 90 MINUTES. ROUTE UNSWITCHED HOT TO FIXTURE.

17 ALL LIGHTING FIXTURES LOCATED SO AS TO DISRUPT A FIRE RATED CEILING ARE TO BE ENCLOSED OR SURROUNDED IN A FIRE PROTECTION MATERIAL AND FIBER BOARD. PROTECTION MATERIAL IS TO BE INSTALLED AS PER THE FIRE RESISTANCE INDEX. VERIFY WITH ARCHITECTURAL DRAWINGS THE HOUR RATINGS AND TYPE OF CEILINGS TO BE USED.

18 INTERIOR LIGHTING VACANCY AND OCCUPANCY SENSORS SHALL OPERATE WITH A 20 MINUTE DELAY OR LESS.

POWER GENERAL NOTES

1 VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT. PROVIDE SERVICE TO AND CONNECT EQUIPMENT AS REQUIRED.

2 ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROLS, INTERLOCKS, ACCESSORIES, ETC., IN MOTOR CONTROL STARTERS AS REQUIRED BY THE TEMPERATURE CONTROL CONTRACTOR. STARTERS SHALL CONTAIN 120V CONTROL TRANSFORMER, PILOT LIGHT, AND PUSHBUTTONS OR SELECTOR SWITCH AS REQUIRED, IN ADDITION TO OTHER ITEMS (AUXILIARY CONTACTS, DOOR SWITCHES, RELAYS, ETC.) REQUIRED. SUBMIT ELEMENTARY CONTROL DIAGRAMS FOR APPROVAL. SUBMITTALS SHALL INCLUDE INDICATION OF PRIOR REVIEW AND ACCEPTANCE BY TEMPERATURE CONTROL CONTRACTOR. REFER TO MECHANICAL DRAWINGS AND TEMPERATURE CONTROL DIAGRAMS FOR ADDITIONAL CONDUIT, WIRE, RELAYS, TRANSFORMERS, CONNECTIONS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

3 INTERRUPTING RATINGS NOTED IN SCHEDULES SHALL APPLY TO ENTIRE PANELBOARD AND/OR SWITCHBOARD. ALL EQUIPMENT COMPRISING PANELS AND/OR SWITCHBOARDS SHALL BE FULLY RATED FOR SHORT CIRCUIT CURRENT NOTED.

4 PROVIDE ENGRAVED NAMEPLATES ON SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC., INDICATING EQUIPMENT DESIGNATION (OR DESIGNATION OF EQUIPMENT SERVED) AND VOLTAGE.

5 FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.

6 ADJUST MOUNTING HEIGHTS OF ALL OUTLETS IF REQUIRED SO AS NOT TO INTERFERE WITH RADIATION. VERIFY CHANGES WITH ENGINEER.

7 PANEL DIRECTORIES SHALL BE REMOVABLE. SUBMIT PROPOSED SCHEDULE OF DIRECTORIES TO OWNER FOR APPROVAL. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.

8 ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS WITH PVC JACKET OR PROVIDED EQUAL PROTECTION. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.

9 ALL BRANCH CIRCUIT AND FEEDER CONDUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.

10 FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE WITH LIQUIDTIGHT FLEX METAL CONDUIT AND FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.

11 BRANCH CIRCUITS RATED 120V, LONGER THAN 75'(CONDUCTOR LENGTH) SHALL BE A MINIMUM WIRE SIZE OF #10 (LINE, NEUTRAL, AND GROUND) THROUGHOUT.

12 PULLBOXES, CABINETS, ETC. MOUNTED ON THE EXTERIOR AT GRADE LEVEL, SHALL BE WEATHERPROOF TYPE WITH HINGED LOCKABLE COVERS SECURED WITH TAMPERPROOF SCREWS.

13 DO NOT SHARE NEUTRALS, EXCEPT ON BREAKERS WITH HANDLE TIES. MULTIWIRE BRANCH CIRCUITS SHALL HAVE HANDLE TIES PER NEC 210. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE HANDLE TIED BREAKERS.

14 POWER RECEPTACLES SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT DATA OR TV ROUGH-IN. REFER TO SYSTEMS PLANS FOR LOCATIONS.

15 PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.

16 PROVIDE 120V POWER TO EACH SMOKE, FIRE/SMOKE DAMPER. COORDINATE WITH MECHANICAL FOR EXACT DAMPER LOCATIONS.

17 COORDINATE UNDERGROUND CONDUIT INSTALLATION WITH FOOTING ELEVATIONS. CUTTING AND/OR DRILLING THROUGH FOOTINGS IS NOT ACCEPTABLE. SEE STRUCTURAL DETAILS FOR FOOTING ELEVATIONS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.

18 PROVIDE 1"C. FOR EACH FLOOR BOX POWER BRANCH CIRCUIT FEEDER, UNLESS NOTED OTHERWISE. VERIFY LOCATION OF ALL FLOOR BOXES AND FLOOR OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.

19 ELECTRICAL REQUIREMENTS AND RATINGS FOR MECHANICAL EQUIPMENT ARE INDICATED IN THE MOTOR SCHEDULES. EQUIPMENT LOCATIONS ARE INDICATED ON DRAWINGS FOR COORDINATION PURPOSES. COORDINATE EXACT LOCATIONS WITH MECHANICAL.

20 DISCONNECTS AND/OR TOGGLE SWITCHES FOR EQUIPMENT SHALL NOT BE MOUNTED DIRECTLY TO THE EQUIPMENT. PROVIDE INDEPENDENT SUPPORT.

21 ALL JUNCTION BOXES SHOWN SHALL BE 4"x4" WITH SINGLE GANG MUDRING, UNLESS INDICATED OTHERWISE.

22 ALL EXTERIOR RATED WEATHERPROOF GFCI RECEPTACLES SHALL BE MOUNTED AT 24" AFF UNLESS NOTED OTHERWISE. PROVIDE HEAVY DUTY WET LOCATION WHILE IN USE COVER.

23 PROVIDE SELF ADHESIVE IDENTIFICATION INSIDE COVER OF EACH FUSIBLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED.

SPECIAL SYSTEM GENERAL NOTES

1 ALL LOW-VOLTAGE SYSTEM CONDUITS SHALL HAVE LONG RADIUS SWEEPS.

2 PROVIDE 2-GANG J-BOX WITH SINGLE GANG MUDRING AND BLANK COVER PLATE FOR DATA, VOICE, AND TV LOCATIONS. ROUTE 1"C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRINGS.

3 DATA AND TV ROUGH-INS SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT POWER RECEPTACLE. REFER TO POWER PLANS FOR LOCATIONS.

4 PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.

5 DEVICES INSTALLED IN THE CEILING GRID SHALL BE CENTERED IN THE TILE. CORRIDOR DEVICES SHALL BE MOUNTED IN A STRAIGHT LINE AS SHOWN ON PLANS.

6 LOCATE SMOKE DETECTORS AND SMOKE ALARMS AT LEAST 3' FROM SUPPLY AIR DIFFUSERS.

7 PROVIDE CIRCUIT BREAKER "LOCK-ON" DEVICES FOR FACP AND NAC CIRCUIT(S).

8 ALL WALL PENETRATIONS FOR FIRE ALARM WIRING SHALL BE IN CONDUIT. FIRE ALARM CONTRACTOR SHALL NOT INSTALL FIRE ALARM CABLING IN SLEEVES FOR OTHER LOW-VOLTAGE SYSTEMS.

9 PROVIDE 1"C TO EACH FLOOR BOX DATA/PHONE OR TV OUTLET SHOWN (FOR EACH SYMBOL). ROUTE TO NEAREST WALL AND UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUIT.

10 COORDINATE LOCATIONS OF ALL DEVICES WITH WALL FINISHES. DO NOT INSTALL IN MIRRORS. REFER TO ARCHITECTURAL ELEVATIONS.

11 ALL LOW-VOLTAGE CABLING SHALL BE CONCEALED IN ACCESSIBLE CEILINGS, RACEWAY, OR CABLE TRAYS.

12 COORDINATE CABLE TRAY ROUTING WITH ALL TRADES. MAINTAIN 6" SEPARATION FROM LIGHT FIXTURE BALLAST/DRIVERS. REFER TO CABLE TRAY DETAILS FOR WALL PENETRATIONS.

13 PROVIDE 2-GANG J-BOX WITH 2-GANG MUDRING AND BLANK COVER PLATE FOR 'MM' TYPE DATA BOXES. ROUTE (2) 1 ¼"C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUITS. SEE SPECIFICATIONS FOR MORE INFORMATION.

14 PROVIDE BLANK 4-POSITION FACEPLATE FOR ALL DATA OUTLET LOCATIONS WITH A "0" DESIGNATION FOR CABLE QUANTITIES.

15 CABLES SHALL BE SUPPORTED FROM STRUCTURE VIA APPROVED J-HOOKS SPECIFIED WHERE NO CABLE TRAY IS PRESENT.

16 VINYL TIE STRAPS ARE PROHIBITED THROUGHOUT. UTILIZE VELCRO TIE STRAPS TO BUNDLE CABLES THROUGHOUT THE FACILITY.

17 CABLE ENDS (INSIDE BOX AND AT BACK OF PATCH PANELS) SHALL BE LABELED. SEE SPECIFICATIONS. FACEPLATES AND PATCH PANELS FACES SHALL ALSO BE LABELED.

18 CONTRACTOR SHALL PROVIDE LADDER RACK IN EACH DATA CLOSET. THE LAYOUTS SHOWN ARE DIAGRAMATIC ONLY AND SHALL BE THE MINIMUM LEVEL. ACCESSORIES SUCH AS RADIOUS CURVES, SUPPORTS, WATERFALLS, ETC. ARE NOT SHOWN, BUT SHALL BE INCLUDED. PROVIDE ADDITIONAL LADDER RACK TO SUPPORT CABLES AS REQUIRED.

19 SEE TECHNOLOGY RISERS FOR MORE INFORMATION ABOUT TECHNOLOGY ROOM LAYOUTS.

20 BACKBONE CABLING SHALL BE INSTALLED IN DEDICATED PATHWAYS. DO NOT INSTALL UTP AND OTHER CABLES WITH BACKBONE CABLES WHEN IN CONDUIT. BACKBONE AND OTHER CABLES CAN SHARE CABLE TRAY AND LADDER RACK.

21 FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE DEVICES, CONDUIT, WIRES, AND CABLE AS DIRECTED BY EQUIPMENT MANUFACTURER. MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL MEET PREVAILING CODES. THE SYSTEM SHALL BE COMPLETE AND OPERABLE IN EVERY RESPECT.

22 TELEVISION SYSTEM. CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF ¾" UNLESS NOTED. TV OUTLETS, CABLE, AMPLIFIERS, SPLITTERS, ANTENNA WITH MAST, ETC., BY OTHERS.

23 SECURITY SYSTEM. CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF ½" UNLESS NOTED. SECURITY SYSTEM CONTRACTOR SHALL INSTALL SECURITY PANELS, CAMERAS, WIRE, SECURITY DEVICES, ETC.

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET		2026-03-27
REVISIONS		
DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

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Reg No. Date

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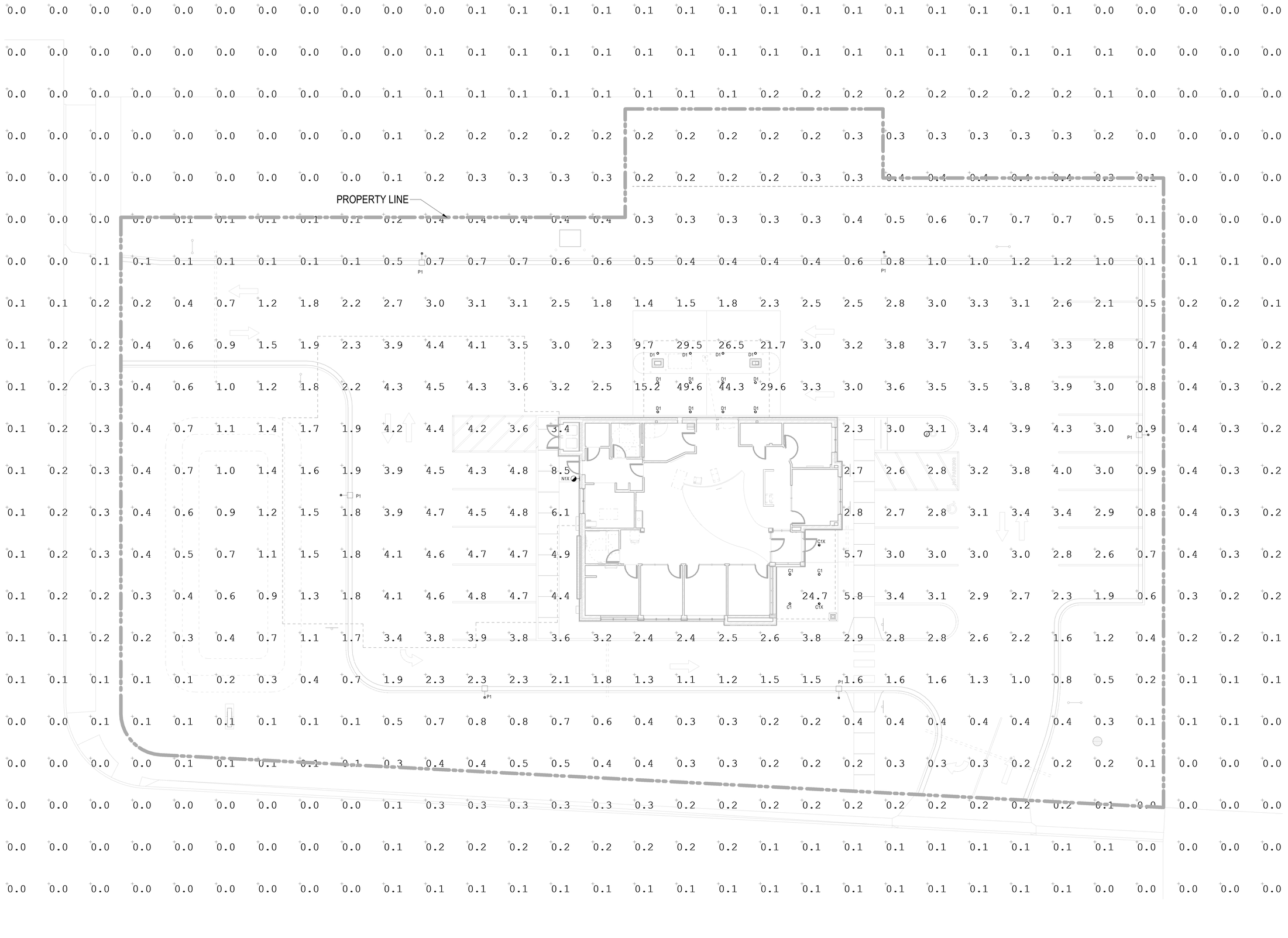
ELECTRICAL GENERAL NOTES

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SITE PLAN - PHOTOMETRICS

Drawn By: FSB Checked By: KDM

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LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT AND MAY NOT BE COMPLETE. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING, AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
C. ALL FINISHES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING FIXTURES. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE. FINISHES SHALL BE VERIFIED AT THE TIME OF SHOP DRAWING SUBMITTAL.
D. SEE SPECIFICATIONS FOR EXTRA MATERIALS REQUIRED FOR LIGHT FIXTURES.
E. COORDINATE THE COMPATIBILITY OF DIMMING WITH SPECIFIED CONTROLS. DIMMING SHALL BE ACCOMPLISHED WITH NO VISIBLE FLICKER.
F. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
G. EQUALS ARE ACCEPTABLE AND WILL BE REVIEWED AS PART OF THE SHOP DRAWING PROCESS.

FIXTURE NOTES:

1. PROVIDE SPECIFIED FIXTURE MODEL. INCLUDE AN ALLOWANCE PRICE IN BID. ALLOWANCE INCLUDES FIXTURE ONLY. PROVIDE ADDITIONAL COST FOR FREIGHT, INSTALL AND ADDITIONAL MARK-UP. PROVIDE CUT-SHEETS DURING SHOP DRAWING REVIEW.
2. CONTRACTOR SHALL PROVIDE POLE, BASE AND ANY OPTIONAL COMPONENTS NECESSARY FOR A COMPLETE AND CODE COMPLIANT FIXTURE ASSEMBLY ACCEPTABLE TO THE ARCHITECT AND AHJ.

TYPE	DESCRIPTION	VOLT	LAMPS		VA / FIXT.	MANUFACTURER	CATALOG NUMBER	EQUAL MANUFACTURERS	L.L.F.	TYPE
			TYPE	QTY / FIXT.						
C1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 1500 NOMINAL LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO6-D-15LM-35K-80CRI-MD-MIN10-MVOLT	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #C6RDL	0.9	C1
C1X	SAME AS C1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	15	GOTHAM			0.9	C1X
D1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 3000 NOMINAL DELIVERED LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	26	GOTHAM	IVO6-D-30LM-35K-80CRI-WD-MIN10-MVOLT-WL-P	LITHONIA, HALO COMMERCIAL, MAXILUME	0.9	D1
N1X	LED WALL PACK TYPE III DISTRIBUTION 2974 NOMINAL DELIVERED LUMENS. BLACK IN COLOR. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL WITH BATTERY DRIVER.	UNIV	LED 3000K	N/A	21	LITHONIA	DSXW1LED-P3-30K-80CRI-T3M-MVOLT-SRM-PIR-E10WH-DBLXD	HE WILLIAMS, , GARDCO, MCGRAW EDISON GWC	0.9	N1X
P1	SINGLE-HEAD. TYPE IV (P2B) DISTRIBUTION LED POLE MOUNTED FIXTURE W/ HOUSESIDE SHIELD. 25' SQUARE STEEL POLE. BLACK IN COLOR. HEAD AND POLE SHALL HAVE MATCHING FINISH. 145470 & 8343 NOMINAL DELIVERED LUMENS. PROVIDE CONCRETE BASE PER DETAIL. PROVIDE BASE COVER. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL.	UNIV	LED 3000K	N/A	170	LITHONIA	DSXO-LED-P7-30K-80CRI-BLC4-MVOLT-SPA-PIR-DBLXD POLE: SSS-25-4G-DM28AS-VD-DBLXD	BEACON, MCGRAW EDISON, GARDCO	0.9	P1

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SITE PLAN - ELECTRICAL
LIGHT FIXTURES
DESCRIPTIONS

Drawn By: FSB Checked By: KDM

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gotham | I V O™

Luminaire Type:
Catalog Number:

IVO™ 6" Round Downlight
New Construction



TRIM STYLES AND COLORS


Parabolic


Bevel

New construction housing shown. Please see page X for full set of dimensional drawings.

Flange Styles

Flanged


Flangeless


Flangeless in Millwork

Reflector Colors



QUICK SPECIFICATIONS

Feature Set

- Perfect Color™ consistency within ½-step MacAdam Ellipse
- Exceptional color rendering with 80 CRI, 90 CRI, or 95 CRI minimum
- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience
- 45° visual cut-off angle to source
- Up to 90% lumen maintenance at 55,000 hours
- Wet Location optional, covered ceiling
- Easy installation and servicing with snap-in Driver
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture
- Clean beams with soft transitions from narrow spot up to wide flood distributions
- Field changeable optics available every 5°

Distribution / Beam Angles



Superior Performance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM	50LM	60LM	70LM	80LM
Delivered Lumens	505	759	1018	1524	2024	2463	2949	3438	3889	4548	4876	5839	6519	7373
Wattage	4.9	7.3	9.8	15.0	20.5	25.2	31.4	42.8	45.1	49.3	60.6	68.4	74.9	
Lumens per Watt	103	104	104	102	99	98	95	92	91	101	99	96	95	98

*Based on 3500K MD 80CRI P AR LSS

PRODUCT FAMILY

IVO 6" Round Product Family


Downlight

Lensed IWW

Surface Cylinder

Pendant Cylinder

Wall Cylinder

Wall Adjustable Cylinder

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1 Acuity Way, Decatur, GA 30035 | P 800-705-SERV (7378) | gothamlighting.com
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d^series

D-Series Size 1
LED Wall Luminaire

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

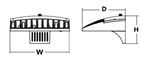
Specifications

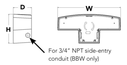
Luminaire

Width: 13-3/4" (34.9 cm) Weight: 12 lbs (5.4 kg)
Depth: 10" (25.4 cm)
Height: 6-3/8" (16.2 cm)

Back Box (BBW, E20WC)

Width: 13-3/4" (34.9 cm) BBW Weight: 5 lbs (2.3 kg)
Depth: 4" (10.2 cm) E20WC Weight: 10 lbs (4.5 kg)
Height: 6-3/8" (16.2 cm)





Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and significant energy savings, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED P2 40K 70CRI T3M MVOLT SRM DDBTXD

DSXW1 LED									
Series	**Lumen Package**	**CCT**		**CRI**	**Distribution**	**Voltage**	**Mounting**	**Control Options**	
DSXW1 LED	P1 2000 Lumens	27K	2700K	70CRI 70CRI	T2S Type 2 Short	MVOLT	**Shipped included**	**Shipped installed**	
	P2 2200 Lumens	30K	3000K	80CRI 80CRI [1]	T2M Type 2 Medium	120 [1]	SRM Surface-mounting bracket	PE Photoelectric cell, button type [4]	
	P3 3200 Lumens	35K	3500K	AMCRI Amber CRI	T3LG Type 3 Low Glare [2]	208 [1]	BBW Surface-mounted back box (for conduit entry) [7]	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)	
	P4 4300 Lumens	40K	4000K		T3M Type 3 Medium	240 [1]		PIR 180° motion/ambient light sensor, <15' mtg ht [4]	
	P5 5200 Lumens	50K	5000K		T4M Type 4 Medium	277 [1]		PIRH 180° motion/ambient light sensor, 15-30' mtg ht [4]	
	P6 7200 Lumens	57K	5700K		TFTM Forward Throw Medium	347 [1,6]		PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [4]	
	P7 10000 Lumens	AMBPC	Amber PC [1]		BLC3 Back Light Control Type 3 [2]	480 [1,6]		PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [4]	
		AMBLW	Amber LW [1]		BLC4 Back Light Control Type 4 [2]	HVOLT [5]		E2OWC 20 Watt Emergency battery backup (includes external component enclosure), CA Title 20 Compliant [8]	
								E10WH 10 Watt Emergency battery backup (includes external component enclosure), CA Title 20 compliant [8]	

Other Options		Finish (required)					
Shipped installed		**Shipped separately** [10]		DDBXD Dark bronze	DSSTD Sandstone	DWHGXD Textured white	
SF Single fuse (120, 277 or 347V) [3,9]	BSW Bird-deterrent spikes		DBLXD Black	DDBTXD Textured dark bronze	DSSTXD Textured sandstone		
DF Double fuse (208, 240 or 480V) [3,9]	VG Vandal guard		DNAXD Natural aluminum	DBLBXD Textured black			
HS House-side shield [11]	DDL Diffused drop lens		DWHXD White	DNATXD Textured natural aluminum			
SPD Separate surge protection							

Accessories
Ordered and shipped separately.

DSXWHS U House-side shield (one per light engine)
DSXWBSW U Bird-deterrent spikes
DSXWTWG U Vandal guard accessory

NOTES

1 Only available with P1 and P6 Packages.
2 Not available with 57K.
3 Only Available with AMCRI.
4 Not available with HS Option.
5 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6 Not available with P1 package. Not available with motion/ambient light sensors (PIR or PIRH). Not Available with DMG.
7 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory. Not Available with E20WC or E10WH.
8 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
9 Reference Motion Sensor table on page 3. Not available with DMG.
10 Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with SF and DF fusing. Not available with 347, 480, HVOLT voltage options. Emergency components located in back box housing. Not available with SPD.
11 Not available with E20WC and E10WH.
12 Also available as a separate accessory; see Accessories information.

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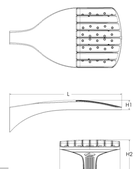

d^series

D-Series Size 0
LED Area Luminaire

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA: 0.44 ft² (0.04 m²)
Length: 26.18" (66.5 cm)
Width: 14.06" (35.7 cm)
Height H1: 2.26" (5.7 cm)
Height H2: 7.46" (18.9 cm)
Weight: 23 lbs (10.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

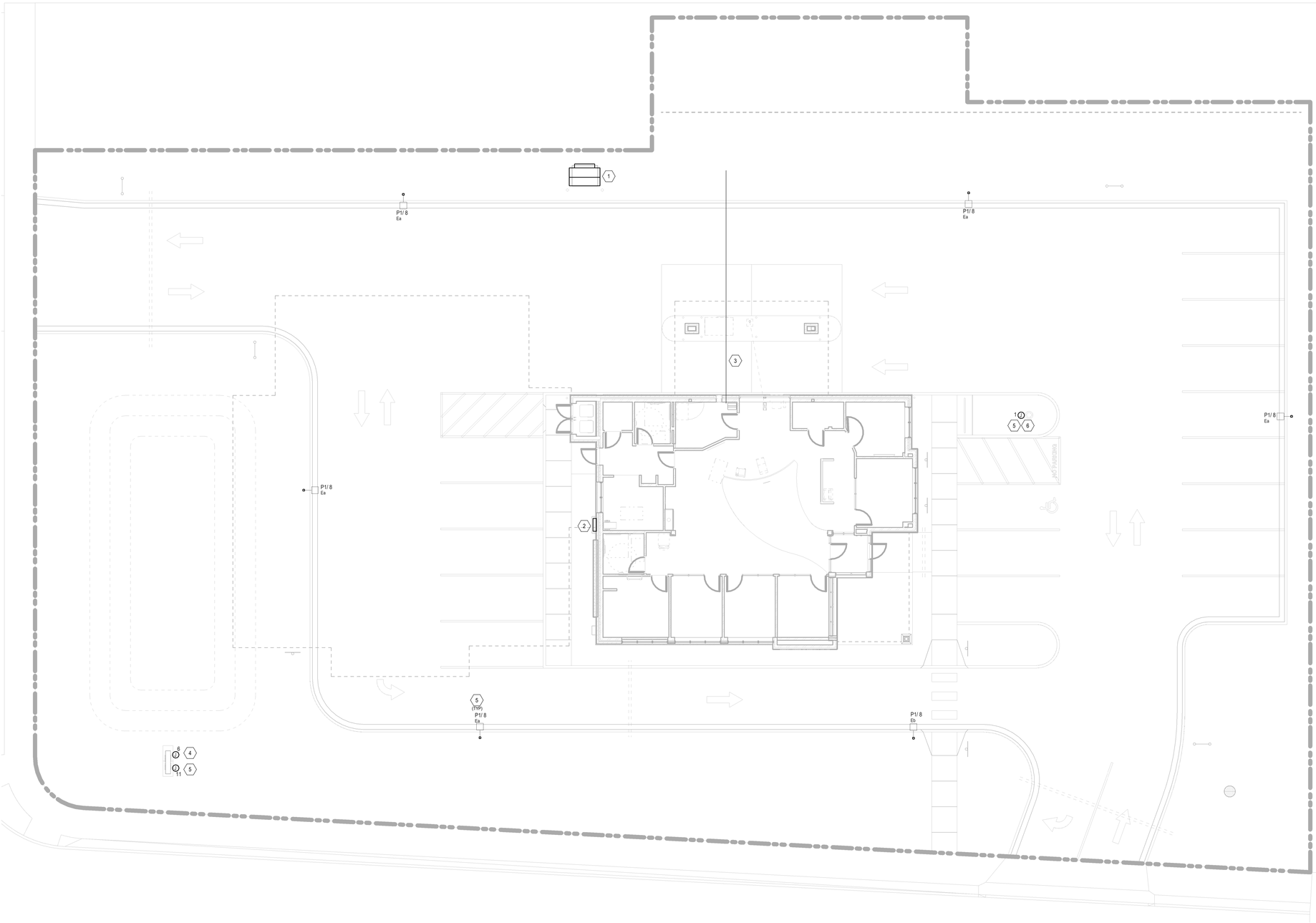
Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED							
Series	**LEDs**	**Color temperature** [1]	**Color Rendering Index** [1]	**Distribution**		**Voltage**	**Mounting**
DSX0 LED	**Forward optics**	(this section 70CRI only)		AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) [2,3]	**Shipped included**
	P1 P5	30K 3000K	70CRI	T1S Type I short	T5LG Type V low glare	HVOLT (347V-480V) [3,4]	SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)
	P2 P6	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V-480V) [3,4]	RPA Round pole mounting (#8 drilling, 3" min. RND pole)
	P3 P7	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control [5]	120 [6,24]	SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) [7]
	P4			T3LG Type III low glare [5]	BLC4 Type IV backlight control [5]	208 [6,24]	RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) [7]
	Rotated optics	27K 2700K	80CRI	T4M Type IV medium	LCCO Left corner cutoff [8]	240 [6,24]	SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole)
	P10 [1] P12 [1]	30K 3000K	80CRI	T4LG Type IV low glare [5]	RCCO Right corner cutoff [8]	277 [6,24]	WBA Wall bracket [9]
	P11 [1] P13 [1]	35K 3500K	80CRI	TFTM Forward throw medium		347 [6,24]	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
		40K 4000K	80CRI			480 [6,24]	
		50K 5000K	80CRI				

Control options		Other options		Finish (required)	
Shipped installed	PER7 Seven-pin receptacle only (controls ordered separate) [16,17]	**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [9,11,12,16,18]	FAO Field adjustable output [13,19]	HS Houseside shield (black finish standard) [20]		DBLXD Black	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [9,11,16,18]	BL30 Bi-level switched dimming, 30% [16,19]	L90 Left rotated optics [1]		DNAXD Natural Aluminum	
PER NEMA twist-lock receptacle only (controls ordered separate) [16,18]	BL50 Bi-level switched dimming, 50% [16,19]	R90 Right rotated optics [1]		DWHXD White	
PERS Five-pin receptacle only (controls ordered separate) [16,18]	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]	CCE Coastal Construction [21]		DDBTXD Textured dark bronze	
		HA 50°C ambient operation [22]		DBLBXD Textured black	
		BAA Buy America(n) Act and/or Build America Buy America Qualified		DNATXD Textured natural aluminum	
		SF Single fuse (120, 277, 347V) [24]		DWHGXD Textured white	
		DF Double fuse (208, 240, 480V) [24]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

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GENERAL NOTES:

A. ALL SITE LIGHTING CIRCUIT CONDUCTORS SHALL BE #10'S IN 1" PVC CONDUIT. UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE.

B. ALL CONDUCTORS AND CONDUITS SHALL BE ROUTED UNDERGROUND.

C. LIGHT POLES INSTALLED NEAR CURBS SHALL BE SETBACK 30" FROM CURB TO FRONT EDGE OF CONCRETE BASE.

D. ANY EXPOSED CONDUIT SHALL BE METALLIC RIGID AND PAINTED TO BLEND WITH ADJACENT SURFACE. RIGID PVC CONDUIT IS NOT ALLOWED FOR APPLICATIONS.

E. ALL CIRCUITING SHALL BE FED FROM PANEL A UNLESS NOTED OTHERWISE.

F. PARKING LOT LIGHTING SHALL HAVE TWO CIRCUITS ROUTED TO EACH POLE HAND-HOLE. ONE SHALL BE CONTROLLED FOR PHOTOCELL ON/OFF OPERATION AND THE OTHER SHALL BE CONTROLLED FOR PHOTOCELL ON/TIMER OFF OPERATION. THIS WILL ALLOW FOR FUTURE SCHEDULING SELECTION AT EACH POLE.

KEY NOTES:

1. TRANSFORMER PROVIDED BY UTILITY. CONCRETE BOLLARDS PROVIDED BY THE CONTRACTOR.
2. PROVIDE WALL MOUNT CT CABINET. SEE E3.1 FOR MORE INFORMATION.
3. (2) 2" CONDUITS FROM COMMUNICATIONS UTILITY MPOP BOARD TO PROPERTY LINE FOR COMMUNICATIONS UTILITY CABLING. COORDINATE WITH UTILITY FOR EXACT LOCATION AT PROPERTY LINE AND REQUIREMENTS. ADJUST ROUTING AS REQUIRED.
4. CONNECT TO MONUMENT SIGN. VERIFY EXACT CIRCUIT SIZE(S), REQUIREMENTS, AND LOCATION. ROUTE (2) 1" CONDUITS FOR POWER TO PANEL AND (2) 1" CONDUITS FOR COMMUNICATIONS TO IT ROOM.
5. ROUTE THROUGH LIGHTING CONTROL RELAY(S).
6. PROVIDE CONNECTION FOR FLAG POLE LIGHT. VERIFY CONNECTION REQUIREMENTS WITH POLE SUPPLIER AND ROUTE 1" CONDUIT TO PANEL.

1 ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"

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Matthew W. Fults

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SITE PLAN - ELECTRICAL

Drawn By: FSB Checked By: KDM

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1 MAIN LEVEL PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM AN UNSWITCHED HOT CONDUCTOR.

B. ALL NORMAL CIRCUITING TO BE FED FROM PANEL A UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

C. CONTRACTOR SHALL COMPLETE AND SUBMIT LIGHTING UTILITY REBATE APPLICATIONS IF AVAILABLE WITH UTILITY. COORDINATE ALL LIGHTING REBATES WITH OWNER.

D. WHERE EXACT HEIGHTS ARE NOTED VERIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.

KEY NOTES:

1. SECURITY FIXTURE. DO NOT SWITCH. IN AREAS WITH DIMMING CONTROL CONNECT 0-10V CONTROL WIRES TO FIXTURE DRIVER FOR EQUAL LEVEL CONTROL. WHEN POWER IS OFF TO ASSOCIATED SWITCH-LEG THIS FIXTURE SHALL COME TO FULL ILLUMINATION. PROVIDE RELAY TO OPEN 0-10V CONTROL WIRES AS REQUIRED.
2. ROUTE THROUGH LIGHTING CONTROL RELAYS.
3. PROVIDE CONNECTION TO EXTERIOR BUILDING SIGNAGE. LETTERS WILL BE INDIVIDUALLY LIT. CONFIRM EXACT REQUIREMENTS AND LOCATIONS.
4. PROVIDE (1) SPDT CENTER OFF SWITCHES (OCa) FOR CONTROL OF OPEN/CLOSE SIGN. PROVIDE ENGRAVED LABEL ON SWITCH PLATE WITH SPECIFIC LOAD.
5. LIGHTING CONTROL PANEL. SEE CONTROL SCHEDULE AND SPECIFICATION FOR REQUIREMENTS.
6. LIGHTING CONTROL STATION. EACH BUTTON SHALL HAVE PRINTED BLACK ON CLEAR LABEL WITH LOAD DESCRIPTION. AT MULTI-STATION LOCATIONS MOUNT ALL UNDER SHARED COVER PLATE.
7. PROVIDE EMERGENCY INVERTER SURE-LITE #INVM-350 OR EQUAL AND MOUNT IN ACCESSIBLE LOCATION FOR EMERGENCY OPERATION OF TYPE 'B1X' LIGHT FIXTURES.
8. PROVIDE DMX/RGBW CONTROLLER FOR EXTERIOR COLOR CHANGING TAPE LIGHTING * (1*)SWITCH-LEG "ON1", VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. MOUNT LED TAPE IN BOTTOM SIDE OF ROOF EAVE TO WASH DOWN SIDE OF BUILDING. CUT FIXTURE TO LENGTH. MOUNT POWER SUPPLY IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
10. PROVIDE OCCUPANCY SENSOR WITH AUXILIARY CONTACT TO CONTROL CONVENIENCE RECEPTACLES IN SPACE. REFER TO POWER PLAN FOR RECEPTACLE LOCATIONS.

LIGHTING CONTROL SUMMARY

GENERAL NOTES:
1. IF NO CONTROL STRATEGY IS LISTED, LIGHTING CONTROLS SHALL BE MANUAL, LINE VOLTAGE (WITH 0-10 V DIMMING, WHERE SHOWN) AND CONTAIN NO AUTOMATIC FUNCTION.
2. SEE PLANS FOR TYPE, LOCATION AND QUANTITY OF SENSORS.
3. TIME SCHEDULES SHALL BE DEFINED BY THE OWNER. PROVIDE A COORDINATION MEETING WITH THE OWNER TO DETERMINE SCHEDULES.
4. ALL LIGHTING CONTROLS SHALL BE COMMISSIONED. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. THE TYPICAL SPACES LISTED IN EACH SEQUENCE ARE NOT INTENDED TO BE ALL INCLUSIVE, OR EXCLUSIVE TO ANY SPACE AND ARE LISTED AS GENERAL REFERENCE ONLY.
6. ADDITIONAL BUTTONS ARE PERMITTED TO COMPLY WITH THE CONTROL REQUIREMENTS LISTED BELOW.

LC-A	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	NONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CORRIDOR
LC-B	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	STORAGE ROOM / PRIVATE RESTROOM
LC-C	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	CLG MTD PHOTOCELL OR INTEGRAL TO WALL BOX DIMMER AS INDICATED, CONTINUOUS DIMMING
TYPICAL SPACES:	PRIVATE OFFICE WITH DAYLIGHT
LC-D	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	PRIVATE OFFICE WITHOUT DAYLIGHT
LC-E	
OCC SENSOR FUNCTION:	NONE
TIME-SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS.
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	TELLER, WAITING, WORK AREA, CLERESTORY
LC-F	
OCC SENSOR FUNCTION:	OCCUPANCY, AUTO ON TO 50% / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CONFERENCE ROOM
LC-G	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME-SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS AFTER FIRST OCCUPANCY ACTIVATION. OCCUPANCY FOR 20 MINUTES AFTER HOURS.
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	VESTIBULE

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PROJECT

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Matthew W. Fults

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MAIN LEVEL PLAN - LIGHTING

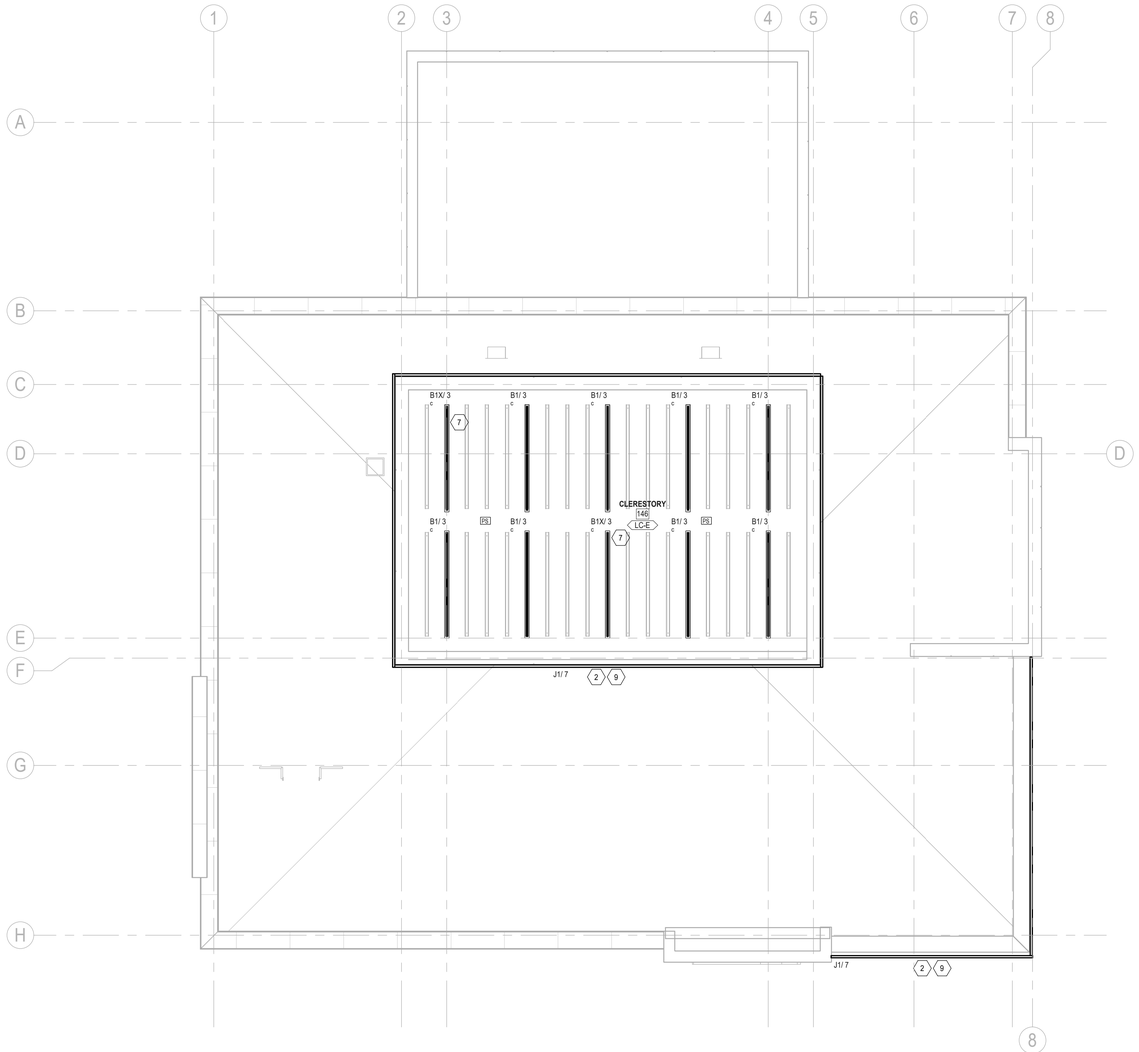
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1 CLERESTORY PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM AN UNSWITCHED HOT CONDUCTOR.

B. ALL NORMAL CIRCUITING TO BE FED FROM PANEL A UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

C. CONTRACTOR SHALL COMPLETE AND SUBMIT LIGHTING UTILITY REBATE APPLICATIONS IF AVAILABLE WITH UTILITY. COORDINATE ALL LIGHTING REBATES WITH OWNER.

D. WHERE EXACT HEIGHTS ARE NOTED VERIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.

KEY NOTES:

1. SECURITY FIXTURE. DO NOT SWITCH. IN AREAS WITH DIMMING CONTROL CONNECT 0-10V CONTROL WIRES TO FIXTURE DRIVER FOR EQUAL LEVEL CONTROL. WHEN POWER IS OFF TO ASSOCIATED SWITCH-LEG THIS FIXTURE SHALL COME TO FULL ILLUMINATION. PROVIDE RELAY TO OPEN 0-10V CONTROL WIRES AS REQUIRED.
2. ROUTE THROUGH LIGHTING CONTROL RELAYS.
3. PROVIDE CONNECTION TO EXTERIOR BUILDING SIGNAGE. LETTERS WILL BE INDIVIDUALLY LIT. CONFIRM EXACT REQUIREMENTS AND LOCATIONS.
4. PROVIDE (1) SPDT CENTER OFF SWITCHES (OCa) FOR CONTROL OF OPEN/CLOSE SIGN. PROVIDE ENGRAVED LABEL ON SWITCH PLATE WITH SPECIFIC LOAD.
5. LIGHTING CONTROL PANEL. SEE CONTROL SCHEDULE AND SPECIFICATION FOR REQUIREMENTS.
6. LIGHTING CONTROL STATION. EACH BUTTON SHALL HAVE PRINTED BLACK ON CLEAR LABEL WITH LOAD DESCRIPTION. AT MULTI-STATION LOCATIONS MOUNT ALL UNDER SHARED COVER PLATE.
7. PROVIDE EMERGENCY INVERTER SURE-LITE #INVM-350 OR EQUAL AND MOUNT IN ACCESSIBLE LOCATION FOR EMERGENCY OPERATION OF TYPE 'B1X' LIGHT FIXTURES.
8. PROVIDE DMX/RGBW CONTROLLER FOR EXTERIOR COLOR CHANGING COVE LIGHTING "R1Y'SWITCH-LEG "ch1", VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. MOUNT LED TAPE IN BOTTOM SIDE OF ROOF EAVE TO WASH DOWN SIDE OF BUILDING. CUT FIXTURE TO LENGTH. MOUNT POWER SUPPLY IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.

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CLERESTORY LEVEL PLAN - LIGHTING

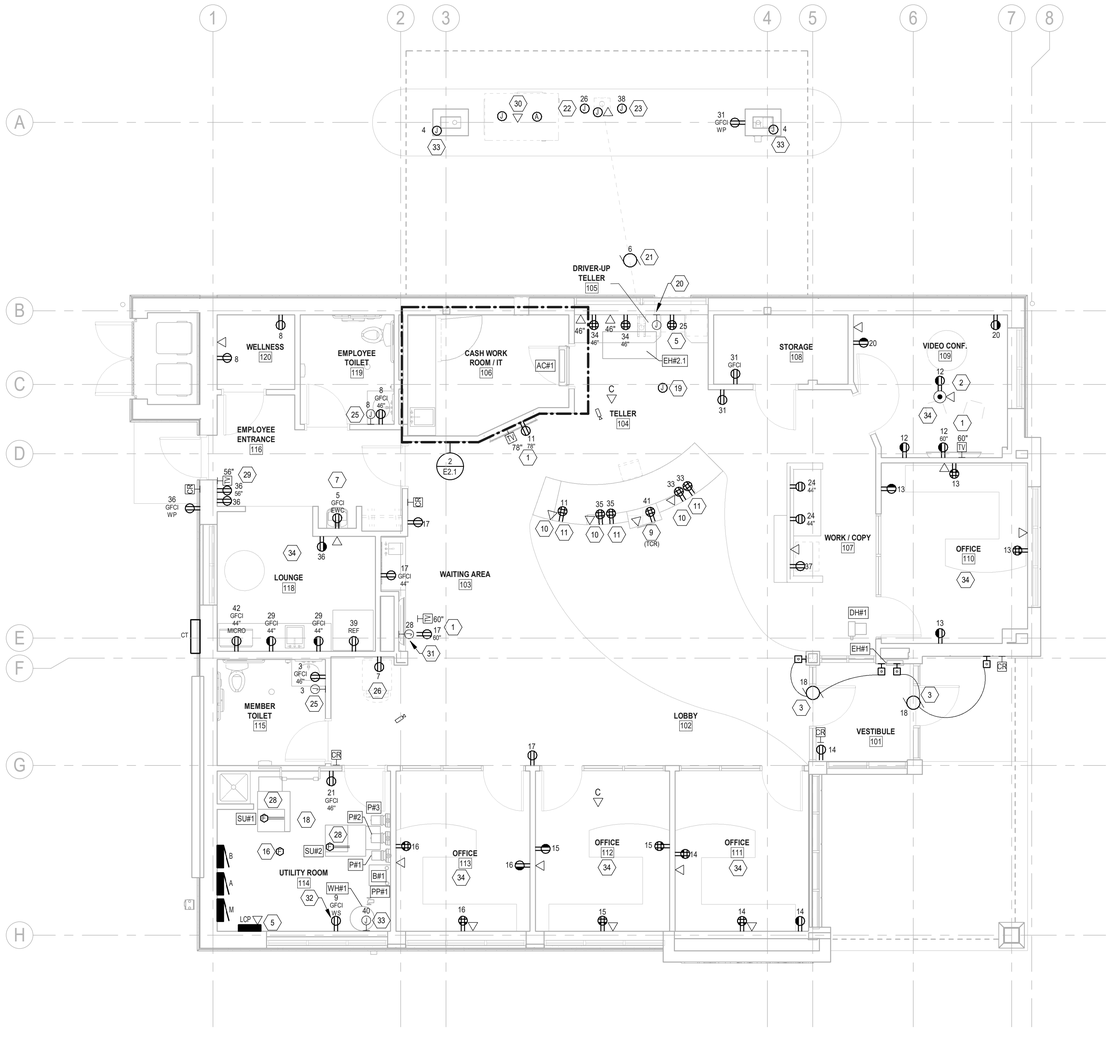
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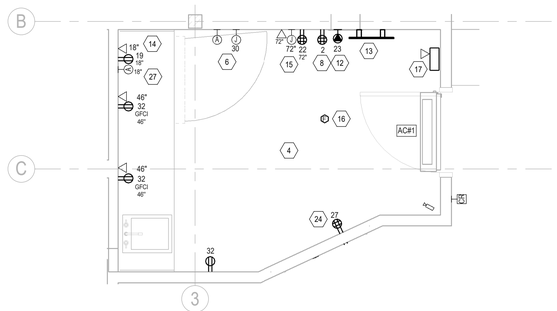
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1 MAIN LEVEL PLAN - POWER
SCALE: 3/16" = 1'-0"



2 CASH WORK ROOM / IT - POWER
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

A. FROM EACH VOICE/DATA AND TV OUTLET PROVIDE TWO GANG BOX W/SINGLE GANG MUDRING AND (1) 1" CONDUIT STUBBED INTO CONCEALED ACCESSIBLE CEILING SPACE.

B. FROM EACH ALARM ROUGH-IN PROVIDE J-BOX AND ROUTE (1) 3/4" CONDUIT TO ALARM HEADEND LOCATION. COORDINATE LOCATION WITH SECURITY VENDOR.

C. SEE MOTOR CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT CONNECTIONS. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.

D. EXACT LOCATION OF ELECTRICAL DEVICES MUST BE VERIFIED WITH FURNITURE SYSTEMS ACTUALLY BEING SUPPLIED BY THE OWNER SO AS NOT TO OCCUR BEHIND BASE UNITS. DO NOT USE ELECTRICAL PLANS FOR DIMENSIONING. FURNITURE SYSTEM SUPPLIER TO PROVIDE DIMENSIONS/LOCATIONS. TYPICAL ALL FURNITURE LOCATIONS.

KEY NOTES:

1. FLAT PANEL TV ROUGH-IN. PROVIDE ARLINGTON MODEL TVBS07 W/DVFR3C BLANK COVER OR EQUAL RECESSED BOX FOR POWER AND TV ROUGH-IN. PROVIDE CONTINUOUS COVER PLATE FOR DEVICES. PROVIDE BLANK INSERTS IN ANY UNUSED SECTIONS. ROUTE (1) 1" CONDUIT INTO CONCEALED ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE CABLING. COORDINATE EXACT LOCATION AND HEIGHT PRIOR TO ROUGH-IN. ADJACENT RECEPTACLE DENOTED "TV" SHALL BE MOUNTED WITHIN THE SAME BOX.
2. PROVIDE FLUSH TYPE STEEL ON-GRADE RATED FLOOR BOX. EXACT LOCATION OF FLOOR OUTLET MUST BE VERIFIED WITH ARCHITECT. WIREMOLD RFB44R30 W/FPBTCxx COVER OR EQUAL. ARCHITECT SHALL CHOOSE ANY AVAILABLE FINISH DURING SHOP DRAWING REVIEW. PROVIDE (2) RFBADEC BRACKETS FOR LOW VOLTAGE DEVICES. ROUTE (1) 1" BUSHED CONDUIT FOR DATA/TELEPHONE TO TV WALL BOX FOR CABLING PROVIDED BY OTHERS.
3. ELECTRICAL DOOR OPERATOR. WIRE TWO REMOTE PUSHBUTTONS AND CONTROLLER. VERIFY ALL LOCATIONS AND REQUIREMENTS WITH GENERAL CONTRACTOR/ARCHITECT.
4. CONFIRM EXACT ROOM LAYOUT WITH OWNER PRIOR TO INSTALLING ROUGH-INS.
5. PROVIDE CONNECTION TO ELECTRIC DEAL DRAWER. COORDINATE EXACT REQUIREMENTS.
6. PROVIDE CONNECTION TO NIGHT DEPOSIT. CONFIRM EXACT REQUIREMENTS WITH BANK EQUIPMENT SUPPLIER.
7. RECEPTACLE FOR ELECTRIC WATER COOLER. MOUNT SO RECEPTACLE IS CONCEALED BEHIND BOTTOM ACCESS PANEL. FEED FROM GFCI CIRCUIT BREAKER AND LABEL RECEPTACLE.
8. PROVIDE RECEPTACLES FOR DATA RACK. COORDINATE EXACT LOCATIONS WITH OWNER.
9. PROVIDE CONNECTION FOR TCR. VERIFY EXACT LOCATION.
10. MOUNT RECEPTACLES WITHIN CABINET. COORDINATE EXACT LOCATIONS WITH GENERAL CONTRACTOR.
11. CONDUIT FOR POWER AND LOW VOLTAGE CABLING AT MILLWORK SHALL BE CONCEALED. IF CONCEALED ROUTING IS NOT FEASIBLE CONDUIT SHALL BE EMT. SURFACE ROUTED MC CABLE IS NOT ACCEPTABLE. PAINT CONDUIT AND BOXES TO MATCH SURFACE.
12. PROVIDE CONNECTION FOR OWNER VENDOR PROVIDED UPS. ROUTE # 10'S IN 3/4"CONDUIT. COORDINATE EXACT RECEPTACLE REQUIRED. MOUNT IN EQUIPMENT RACK.
13. PROVIDE GROUND BAR AT COMMUNICATIONS RACK 12"x2"x1/4" COPPER WITH ISOLATED STAND OFFS. ROUTE #6 COPPER CONDUCTOR BACK TO GROUNDING ELECTRODE SYSTEM. COORDINATE EXACT LOCATION. PROVIDE CONNECTIONS TO DATA RACKS AND CABLE TRAY.
14. PROVIDE POWER AND DATA CONNECTION FOR OWNER PROVIDED SAFE. CONFIRM EXACT LOCATION PRIOR TO ROUGH IN.
15. PROVIDE FOURPLEX RECEPTACLE AND ONE 6"x6"x4"D JUNCTION BOX FOR OWNER'S VIDEO SURVEILLANCE SYSTEM. FROM JUNCTION BOX STUB (2) 1 1/2" CONDUITS INTO CEILING SPACE FOR CABLING BY OTHERS. VERIFY LOCATIONS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.
16. PROVIDE 120V STAND ALONE SMOKE DETECTOR.
17. ALARM / SECURITY SYSTEM CONTROL PANEL BY OTHERS, VERIFY LOCATION AND ALL REQUIREMENTS. PROVIDE 3/4" TO EACH ALARM AND CARD READER POINT SHOWN. STUB (1) 1-1/2" CONDUIT INTO CEILING SPACE. COORDINATE EXACT REQUIREMENTS WITH BANK EQUIPMENTS DRAWINGS.
18. REFER TO MOTOR CONNECTION SCHEDULE FOR DUCT SMOKE DETECTOR REQUIREMENTS.
19. JUNCTION BOXES ABOVE CEILING, SEE DETAIL (3/E3.1). COORDINATE EXACT LOCATION
20. JUNCTION BOXES UNDER COUNTER, SEE DETAIL (3/E3.1)
21. PROVIDE CONNECTION ABOVE CEILING FOR BLOWER UNIT, SEE DETAIL 1/E3.1. VERIFY CONNECTION LOCATION
22. DRIVE UP CUSTOMER UNIT. PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 1/E3.1.
23. DRIVE UP VIDEO UNIT. PROVIDE WIRING AS PER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 3/E3.1.
24. COMMUNICATION UTILITY MPOP. ROUTE UTILITY CONDUITS FROM PROPERTY LINE TO THIS LOCATION. PROVIDE 3/4" PLYWOOD FROM FLOOR TO 8' FOR EQUIPMENT MOUNTING. PAINT WITH FIRE RETARDANT GRAY PAINT.
25. MECHANICAL CONTRACTOR TO PROVIDE AUTOMATIC FAUCET AND LOW VOLTAGE TRANSFORMER. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES AND MAKE ALL CONNECTIONS. COORDINATE BOX LOCATIONS AND ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR.
26. PROVIDE CONNECTION FOR COIN COUNTER. CONFIRM EXACT REQUIREMENTS AND LOCATION WITH BANK EQUIPMENT SUPPLIER.
27. PROVIDE ALARM ROUGH-IN FOR SAFE AS REQUIRED. COORDINATE WITH SECURITY AND BANK EQUIPMENT VENDORS.
28. PROVIDE 120V STAND-ALONE DUCT SMOKE DETECTOR FOR FURNACE SHUTDOWN. PROVIDE ANY RELAYS NECESSARY FOR A COMPETE CONNECTION. PROVIDE SPACE AGE TECHNOLOGIES #SM-5001 OR APPROVED EQUAL.
29. PROVIDE CONNECTION FOR SECURITY MONITOR. CONFIRM EXACT LOCATION.
30. PROVIDE ROUGH-IN FOR FUTURE ATM. ROUTE (3) #10 AND (1) #10 GND IN 1 1/4" CONDUIT. PROVIDE (2) 1" CONDUITS TO ROOM 106 FOR COMMUNICATIONS AND ALARM. CONFIRM EXACT SIZE AND TO COVER CONDUITS.
31. PROVIDE CONNECTION TO FIREPLACE. CONFIRM EXACT REQUIREMENTS. PROVIDE CONTROL ROUGH-IN AT REMOTE LOCATION AS DIRECTED BY GC.
32. PROVIDE CONNECTION TO WATER SOFTENER PROVIDED BY MECHANICAL.
33. PROVIDE ELECTRIC HEAT TAPE IN ROOFDRAIN TO OUTLET. RAYCHEM #GM-1X (120V) OR EQUAL. PROVIDE RAYCHEM AMC-F5 T-STAT FOR CONTROL. MOUNT SENSOR ON ROOF. MOUNT CONTROL BOX IN ACCESSIBLE CEILING SPACE NEAR T-STAT. PROVIDE RAYCHEM E304 CONTACTOR FOR CONTROL OF MULTIPLE CIRCUIT AS REQUIRED. APPROXIMATELY 20' OF TAPE.
34. ALL RECEPTACLES IN SPACE SHALL BE SPLIT RECEPTACLES WITH TOP RECEPTACLE BEING CONTROLLED WITH ROOM OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL TURN OFF CONTROLLED RECEPTACLE 20 MINUTES AFTER NO OCCUPANCY HAS BEEN SENSED IN SPACE.

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

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MAIN LEVEL PLAN - POWER

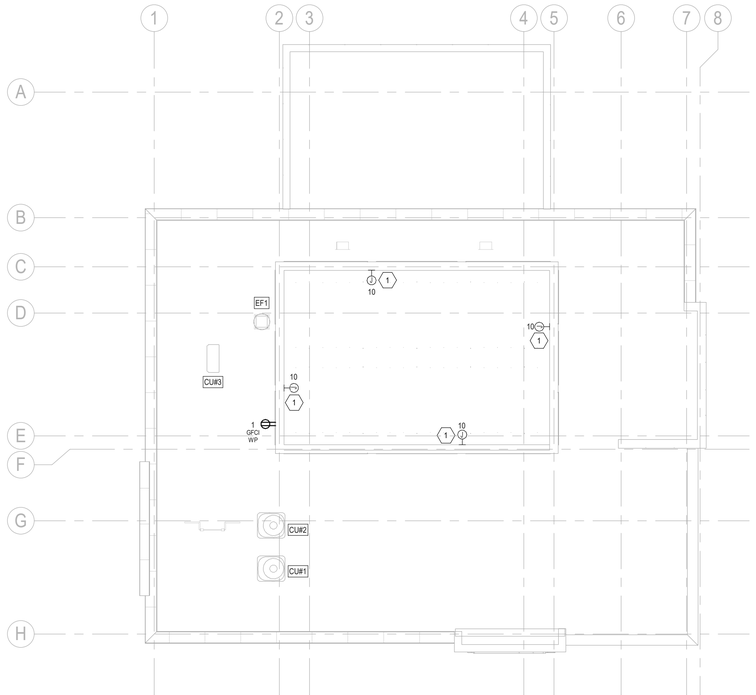
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1 CLERESTORY PLAN - POWER
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. SEE MOTOR CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT CONNECTIONS. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.

B. ALL CIRCUITING TO BE FED FROM PANEL B UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

KEY NOTES:

1. PROVIDE CONNECTION TO POWERED WINDOW SHADE SYSTEM. COORDINATE EXACT LOCATIONS AND REQUIREMENTS. PROVIDE CONNECTION TO SHADE SYSTEM CONTROLLERS(S). PROVIDE CONNECTION AT ALL SHADE MOTOR LOCATIONS. PROVIDE ALL REQUIRED POWER AND CONTROL WIRING. INSTALL UP/DOWN CONTROLLER(S). COORDINATE EXACT LOCATION WITH ARCHITECT. ASSUME LOCATIONS IS NEAR SPACE LIGHTING CONTROL.

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PROJECT

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NEW BUILDING

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ISSUED SET	2026-03-27

REVISIONS

DATE	NO	

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Matthew W. Fults

40887 2026-03-27
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CLERESTORY LEVEL PLAN - POWER

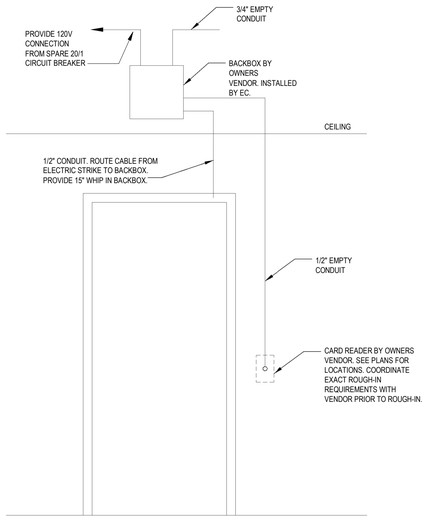
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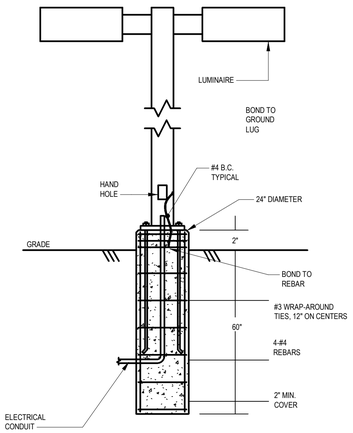
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1 CARD READER DETAIL
NO SCALE



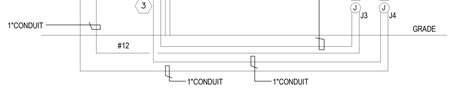
2 POLE BASE DETAIL
NO SCALE

3Ø FEEDER SCHEDULE

GENERAL NOTES:

A. APPROVED CONDUCTOR INSULATIONS: THHN/THWN, THHN/THWN-2, XHHW-2. REFER TO PROJECT SPECIFICATIONS FOR INSULATION TYPE REQUIRED WITH VARYING CONDUCTOR SIZES AND...
B. CONDUIT TYPE REQUIREMENTS VARY DEPENDING ON APPLICATION AND LOCATION OF FEEDER. REFER TO PROJECT SPECIFICATIONS FOR REQUIREMENTS.
C. NEUTRAL SHALL BE THE SAME SIZE AS THE PHASE CONDUCTOR UNLESS OTHERWISE NOTED.

	COPPER		COMPACT STRAND ALUMINUM ALLOY		
MARK (AMPACITY)	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W/ NEUTRAL) PH-GND-C	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W/ NEUTRAL) PH-GND-C	MARK (AMPACITY)
20	3#12 - 1#12 GND - 3/4"C	4#12 - 1#12 GND - 3/4"C	---	---	20
30	3#10 - 1#10 GND - 3/4"C	4#10 - 1#10 GND - 3/4"C	---	---	30
40	3#8 - 1#10 GND - 3/4"C	4#8 - 1#10 GND - 1"C	---	---	40
50	3#6 - 1#10 GND - 1"C	4#6 - 1#10 GND - 1"C	---	---	50
50T	---	4#6 - 1#8 GND (SSBJ) - 1"C	---	---	50T
60	3#4 - 1#10 GND - 1"C	4#4 - 1#10 GND - 1 1/4"C	---	---	60
70	3#4 - 1#8 GND - 1 1/4"C	4#4 - 1#8 GND - 1 1/4"C	---	---	70
80	3#3 - 1#8 GND - 1 1/4"C	4#3 - 1#8 GND - 1 1/4"C	---	---	80
90	3#2 - 1#8 GND - 1 1/4"C	4#2 - 1#8 GND - 1 1/2"C	---	---	90
100	3#1 - 1#8 GND - 1 1/2"C	4#1 - 1#8 GND - 1 1/2"C	3#1/0 - 1#6 GND - 1 1/2"C	4#1/0 - 1#6 GND - 2"C	100
100P	3#3 - 1#8 GND - 1 1/4"C	4#3 - 1#8 GND - 1 1/4"C	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	100P
100T	---	4#3 - 1#6 GND (SSBJ) - 1 1/4"C	---	4#1 - 1#6 GND (SSBJ) - 1 1/2"C	100T
125	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	3#2/0 - 1#4 GND - 2"C	4#2/0 - 1#4 GND - 2"C	125
150	3#1/0 - 1#6 GND - 1 1/2"C	4#1/0 - 1#6 GND - 2"C	3#3/0 - 1#4 GND - 2"C	4#3/0 - 1#4 GND - 2 1/2"C	150
150T	---	4#1/0 - 1#6 GND (SSBJ) - 2"C	---	4#3/0 - 1#4 GND (SSBJ) - 2 1/2"C	150T
175	3#2/0 - 1#6 GND - 2"C	4#2/0 - 1#6 GND - 2"C	3#4/0 - 1#4 GND - 2"C	4#4/0 - 1#4 GND - 2 1/2"C	175
200	3#3/0 - 1#6 GND - 2"C	4#3/0 - 1#6 GND - 2"C	3#250 - 1#4 GND - 2 1/2"C	4#250 - 1#4 GND - 3"C	200
225	3#4/0 - 1#4 GND - 2"C	4#4/0 - 1#4 GND - 2 1/2"C	3#300 - 1#2 GND - 2 1/2"C	4#300 - 1#2 GND - 3"C	225
225T	---	4#4/0 - 1#2 GND (SSBJ) - 2 1/2"C	---	4#300 - 1#1/0 GND (SSBJ) - 3"C	225T
250	3#250 - 1#4 GND - 2-1/2"C	4#250 - 1#4 GND - 3"C	3#350 - 1#2 GND - 3"C	4#350 - 1#2 GND - 3"C	250
300	3#350 - 1#4 GND - 3"C	4#350 - 1#4 GND - 3"C	3#500 - 1#2 GND - 3"C	4#500 - 1#2 GND - 3-1/2"C	300
400	3#500 - 1#3 GND - 3"C	4#500 - 1#3 GND - 3-1/2"C	3#750 - 1#1 GND - 3-1/2"C	4#750 - 1#1 GND - 4"C	400
400P	(2 SETS) 3#350 - 1#3 GND - 2"C	(2 SETS) 4#3/0 - 1#3 GND - 2 1/2"C	(2 SETS) 3#250 - 1#1 GND - 2 1/2"C	(2 SETS) 4#250 - 1#1 GND - 3"C	400P
400T	---	(2 SETS) 4#3/0 - 1#1/0 GND (SSBJ) - 2 1/2"C	---	(2 SETS) 4#250 - 1#1/0 GND (SSBJ) - 3"C	400T
500	(2 SETS) 3#250 - 1#2 GND - 2 1/2"C	(2 SETS) 4#250 - 1#2 GND - 3"C	(2 SETS) 3#350 - 1#1/0 GND - 3"C	(2 SETS) 4#350 - 1#1/0 GND - 3"C	500
500T	---	(2 SETS) 4#250 - 1#1/0 GND (SSBJ) - 3"C	---	(2 SETS) 4#350 - 1#3/0 GND (SSBJ) - 3"C	500T
600	(2 SETS) 3#350 - 1#1 GND - 3"C	(2 SETS) 4#350 - 1#1 GND - 3"C	(2 SETS) 3#500 - 1#2/0 GND - 3"C	(2 SETS) 4#500 - 1#2/0 GND - 3 1/2"C	600
800	(2 SETS) 3#500 - 1#1/0 GND - 3"C	(2 SETS) 4#500 - 1#1/0 GND - 3-1/2"C	(2 SETS) 3#750 - 1#3/0 GND - 3 1/2"C	(2 SETS) 4#750 - 1#3/0 GND - 4"C	800
800P	(3 SETS) 3#300 - 1#1/0 GND - 2 1/2"C	(3 SETS) 4#300 - 1#1/0 GND - 3"C	(3 SETS) 3#400 - 1#3/0 GND - 3"C	(3 SETS) 4#400 - 1#3/0 GND - 3 1/2"C	800P
800T	---	(3 SETS) 4#300 - 1#2/0 GND (SSBJ) - 3"C	---	(3 SETS) 4#400 - 1#4/0 GND (SSBJ) - 3 1/2"C	800T
1000	(3 SETS) 3#400 - 1#2/0 GND - 3"C	(3 SETS) 4#400 - 1#2/0 GND - 3"C	(3 SETS) 3#600 - 1#4/0 GND - 3 1/2"C	(3 SETS) 4#600 - 1#4/0 GND - 4"C	1000
1000T	---	(3 SETS) 4#400 - 1#3/0 GND (SSBJ) - 3 1/2"C	---	(3 SETS) 4#600 - 1#250 GND (SSBJ) - 4"C	1000T
1200	(4 SETS) 3#350 - 1#3/0 GND - 3"C	(4 SETS) 4#350 - 1#3/0 GND - 3"C	(4 SETS) 3#500 - 1#250 GND - 3"C	(4 SETS) 4#500 - 1#250 GND - 3 1/2"C	1200
1600	(5 SETS) 3#400 - 1#4/0 GND - 3"C	(5 SETS) 4#400 - 1#4/0 GND - 3 1/2"C	(5 SETS) 3#600 - 1#350 GND - 3"C	(5 SETS) 4#600 - 1#350 GND - 4"C	1600
1600T	---	(5 SETS) 4#400 - 1#250 GND (SSBJ) - 3 1/2"C	---	(5 SETS) 4#600 - 1#400 GND (SSBJ) - 4"C	1600T
2000	(6 SETS) 3#400 - 1#250 GND - 3"C	(6 SETS) 4#400 - 1#250 GND - 3 1/2"C	(6 SETS) 3#600 - 1#400 GND - 3-1/2"C	(6 SETS) 4#600 - 1#400 GND - 4"C	2000



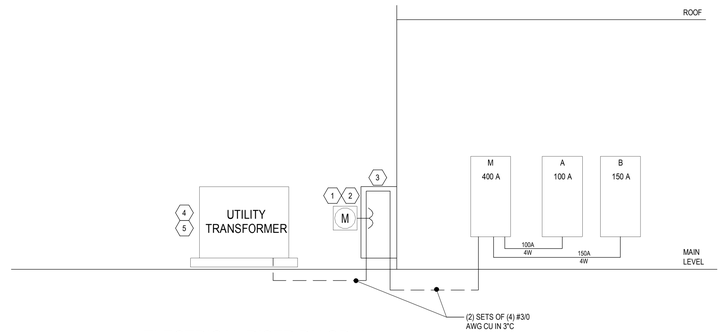
TYPICAL FOR ONE (1) DRIVE UP CUSTOMER UNIT. TWO 20A, 120V CIRCUITS REQUIRED FOR EACH UNIT, 2 CIRCUITS TOTAL.

VERIFY ALL CONDUIT, POWER, AND LOCATION REQUIREMENTS WITH BANK EQUIPMENT SUPPLIER PRIOR TO ANY WORK. PROVIDE PULLSTRINGS IN ALL EMPTY CONDUIT.

DETAIL KEY NOTES:

1. DRIVE UP CUSTOMER UNIT, PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER.
2. JUNCTION BOXES ABOVE CEILING.
3. JUNCTION BOXES UNDER COUNTER.
4. PROVIDE CONNECTION ABOVE CEILING FOR BLOWER UNIT.
5. DRIVE UP VIDEO UNIT, PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER.

3 DRIVE UP EQUIPMENT RISER DETAIL
NO SCALE



4 ELECTRICAL RISER DIAGRAM
NO SCALE

RISER GENERAL NOTES:

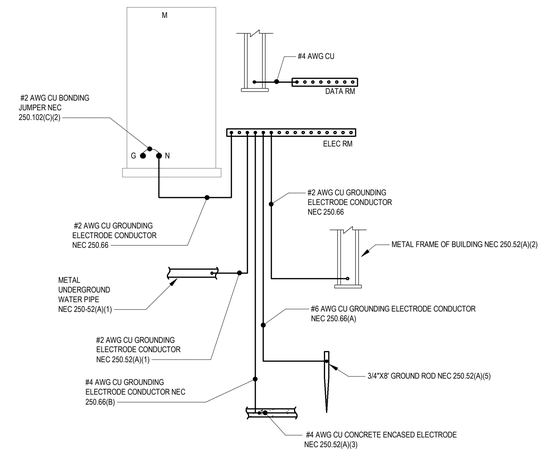
A. FEEDERS SHALL BE 4 WIRE (4W) UNLESS DENOTED WITH "3W" WHICH SHALL BE 3 WIRE(3W) ALL FEEDERS SHALL HAVE EQUIPMENT GROUND CONDUCTOR.
B. VERIFY ALL UTILITY REQUIREMENTS WITH UTILITY PRIOR TO INSTALLATION

KEY NOTES:

1. METER SOCKET, ENCLOSURE AND CONDUIT FOR CT WIRING PROVIDED BY CONTRACTOR.
2. METER CT'S AND CT WIRING PROVIDED BY THE ELECTRICAL UTILITY.
3. PROVIDE WALL MOUNT CT CABINET. VERIFY REQUIREMENTS WITH UTILITY.
4. TRANSFORMER PROVIDED BY UTILITY.
5. TRANSFORMER CONCRETE PAD AND BOLLARDS PROVIDED BY THE CONTRACTOR.

GENERAL NOTES:

A. ALL GROUNDING ELECTRODE CONDUCTORS PENETRATING THROUGH FOUNDATION WALL OR BASEMENT INTERIOR FLOOR SLAB SHALL BE TRANSITIONED TO SOLID ROD A MINIMUM OF 2'-0" TO EITHER SIDE OF WATERPROOFING MEMBRANE TO ALLOW FOR HEAT WELD BY WATERPROOFING CONTRACTOR.



5 MAIN BUILDING GROUNDING ELECTRODE SYSTEM
NO SCALE

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REVISIONS

DATE	NO	

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ELECTRICAL DETAILS

Drawn By: FSB Checked By: KDM

E3.1

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Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction
Project No:	93449
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

Felipe Soares
Emanulson-Podas, Inc
Edina , Minnesota 55439
952-930-0050
fsoares@epinc.com

Notes:

Building Area

Description	Floor Area
1-Office (Office) : Nonresidential	2785

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

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Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Bank Building (Bank:Banking Activity Area)	2785	0.61	
Total Allowed Watts:			1782

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Bank Building (Bank:Banking Activity Area)			
A1: A1: LED:	31	16	496
A1X: A1X: LED:	9	16	144
B1: B1: LED:	8	48	384
B1X: B1X: LED:	2	48	96
C2: C2: LED:	1	15	15
E1: E1: LED:	2	2	4
F1: F1: LED:	3	25	75
G1: G1: LED:	1	35	35
G1X: G1X: LED:	1	35	35
Total Proposed Watts:			1284

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Bank Building (Bank:Banking Activity Area)	
A1: A1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
A1X: A1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
B1: B1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)

Fixture	Lighting Control
B1X: B1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
C2: C2: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
E1: E1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
F1: F1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
G1: G1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
G1X: G1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)

Interior Lighting PASSES: Design 28% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Felipe Soares - Electrical Designer Felipe Soares 03/27/2026

Name - Title **Signature** **Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction
Exterior Lighting Zone:	High activity metropolitan commercial district (LZ4)

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

Felipe Soares
Emanulson-Podas, Inc
Edina , Minnesota 55439
952-930-0050
fsoares@epinc.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
Ext Area -Parking Lot (Parking area)	15910 ft2	0.08	No	1272.8
Ext Area - Drive Lane (ATM/Night depository location) (c)	2 machines	45.00	No	90.0
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface)	30 ft2	0.15	No	4.5
Ext Area - Main Entry (Entry canopy)	253 ft2	0.40	No	101.2
Total Tradable Watts (a):				1374
Base Site Allowance (b):				900
Total Allowed Watts:				2400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Ext Area -Parking Lot (Parking area, 15910 ft2); Tradeable Wattage				
P1: P1: LED:	0	6	170	1020
Ext Area - Drive Lane (ATM/Night depository location, 2 machines); Tradeable Wattage				
D1: D1: LED:	0	12	26	312
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface, 30 ft2); Tradeable Wattage				
N1X: N1X: LED:	0	1	21	21
Ext Area - Main Entry (Entry canopy, 253 ft2); Tradeable Wattage				
C1: C1: LED:	0	3	15	45
C1X: C1X: LED:	0	2	15	30

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Total Tradable Proposed Watts:				1095

Proposed Exterior Lighting Controls

Fixture	Lighting Control
Ext Area -Parking Lot (Parking area, 15910 ft2)	
P1: P1: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Drive Lane (ATM/Night depository location, 2 machines)	
D1: D1: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface, 30 ft2)	
N1X: N1X: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Main Entry (Entry canopy, 253 ft2)	
C1: C1: LED:	Daylight Shutoff, Facade or Landscape
C1X: C1X: LED:	Daylight Shutoff, Facade or Landscape

Exterior Lighting PASSES: Design 50% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Felipe Soares - Electrical Designer Felipe Soares 03/27/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C406 [PR9]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C103.2 [PR4]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C103.2 [PR8]¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

emanuelson-podas
consulting engineers
Emanuelson-Podas, Inc.
7705 Bush Lake Road
Edina, MN 55439
(952) 930-0050 | www.epinc.com

ENERGY COMPLIANCE FORMS

Drawn By: FSB Checked By: KDM

E3.2

3392.0002

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Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22]¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.7 [EL28]¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.7 [EL26]¹	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.8 [EL27]¹	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2, E4.1
C405.9.1, C405.9.2 [EL28]¹	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29]¹	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2
C405.1.1 [EL30]¹	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31]¹	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2
C405.2.1, C405.2.1.1 [EL18]¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.1.2 [EL19]¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.3 [EL20]¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.2, C405.2.2.1 [EL21]¹	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23]¹	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.5 [EL27]¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.5.1 [FI19]¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Exterior Lighting fixture schedule for values*
C408.1.1 [FI57]¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5 [FI16]¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33]¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS

DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

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ENERGY COMPLIANCE FORMS

Drawn By: FSB Checked By: KDM

E3.3

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LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT AND MAY NOT BE COMPLETE. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING, AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
C. ALL FINISHES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING FIXTURES. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE. FINISHES SHALL BE VERIFIED AT THE TIME OF SHOP DRAWING SUBMITTAL.
D. SEE SPECIFICATIONS FOR EXTRA MATERIALS REQUIRED FOR LIGHT FIXTURES.
E. COORDINATE THE COMPATIBILITY OF DIMMING WITH SPECIFIED CONTROLS. DIMMING SHALL BE ACCOMPLISHED WITH NO VISIBLE FLICKER.
F. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
G. EQUALS ARE ACCEPTABLE AND WILL BE REVIEWED AS PART OF THE SHOP DRAWING PROCESS.

FIXTURE NOTES:

1. MOUNT FIXTURE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
2. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALL.
3. ROUTE FIXTURE THROUGH EMERGENCY INVERTER FOR EMERGENCY OPERATION.

TYPE	DESCRIPTION	VOLT	LAMPS		VA / FIXT.	MANUFACTURER	CATALOG NUMBER	EQUAL MANUFACTURERS	NOTES	TYPE
			TYPE	QTY / FIXT.						
A1	2X2 RECESSED FLAT PANEL LED, 2000 NOMINAL LUMENS, 35K, DIMMABLE TO 1%, ACRYLIC LENS.	UNIV	LED 3500K	N/A	16	LITHONIA	CPX-2X2-2000LM-80CRI-35K-SWL-MIN10-MVOLT	COLUMBIA #LTSE, METALUX #24RDI, DAYBRITE #CFS24		A1
A1X	SAME AS A1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	16	LITHONIA				A1X
B1	SUSPENDED LINEAR INDIRECT/DIRECT LIGHT FIXTURE. 400 LUMENS UP/400 LUMENS DOWN. TUNABLE WHITE 90CRI. PROVIDE ADJUSTABLE AIRCRAFT CABLE AND MOUNT BOTTOM OF FIXTURE	UNIV	LED 3500K	N/A	48	AXIS LIGHTING	TB4DILED-400-400-90-35-TW2750-SO-SO-8-W-UNV-DPTW-1	FOCAL POINT, ALW, AXIS		B1
B1X	SAME AS B1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	48	AXIS LIGHTING				B1X
C1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 1500 NOMINAL LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO6-D-15LM-35K-80CRI-MD-MIN10-MVOLT	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #CSRDL		C1
C1X	SAME AS C1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	15	GOTHAM				C1X
C2	4" LED DOWNLIGHT. MEDIUM DISTRIBUTION, PARABLOCI TRIM, CLEAR ANODIZED, SEMI SPECULAR, 1486 NOMINAL DELIVERED LUMENS. 0-10V DIMMING DRIVER. IC RATED.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO4-D-15LM-35K-80CRI-MD-MIN10-MVOLT-P-AR-LSS	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #CSRDL		C2
D1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 3000 NOMINAL DELIVERED LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	26	GOTHAM	IVO6-D-30LM-35K-80CRI-WD-MIN10-MVOLT-WL-P	LITHONIA, HALO COMMERCIAL, MAXILUME		D1
E1	EXIT SIGN, BACK MOUNTED, SINGLE FACE, HIGH IMPACT THERMOPLASTIC, RED LETTERING, WHITE FINISH. SEE PLANS FOR ARROW REQUIREMENTS.	UNIV	LED	N/A	2	LITHONIA	LQM-S-W-RG-MVOLT	DUALLITE #LE, LITHONIA #LRP, LIGHTALARMS #SLEDN		E1
F1	27" DECORATIVE PENDANT FIXTURE. DIRECT AND INDERECT LIGHT, EXTRUDED ALUMINIUM HOUISING. EXTRUDED POLYCARBONATE DIFFUSER. IP20	UNIV	LED 3000K	N/A	25	PANZERI	ZERO SQUARE	NONE ALLOWED	2	F1
G1	4' LED STRIP LIGHT WITH DIFFUSED LENS. 4391 NOMINAL DELIVERED LUMENS. PROVIDE HARDWARE FOR CHAIN MOUNTING.	UNIV	LED 3500K	N/A	35	LITHONIA	BLWP--40L-ADP-MVOLT-GZ10-LP835	DAYBRITE #FSS, LITHONIA #ZL1N, METALUXRSNLED	1	G1
G1X	SAME AS G1 WITH BATTERY DRIVER	UNIV	LED 3500K	N/A	35	LITHONIA			1	G1X
J1	LED RGBW TAPELIGHT. PROVIDE LENGTHS AS NOTED. 232 LUMENS PER FOOT. PROVIDE SURFACE MOUNT ALUMINUM CHANNEL AND DIFFUSED LENS. PROVIDE 0-10V POWER SUPPLY. PROVIDE ALL REQUIRED ACCESSORIES FOR PROPER MOUNTING AND INSTALLATION. IP68 RATED.PROVIDE WITH DMX DRIVERS AND CONTROLS.	UNIV	LED 3500K	N/A	6	ACCLAIM	FLEXSE-35 W/ FLX477 CHANNEL AND FLXLP FL4 LENS	Q-TRAN, KELVIX, ACOLYTE		J1
K1	EXTERIOR LED WALL SCONCE. ALUMINUM CONSTRUCTION. WET LOCATION LISTED. IP66 RATED.	UNIV	LED	N/A	500	SUPPLIED BY OWNER - INSTALLED BY EC				K1
K2	ATM SIGN FURNISHED BY OWNER, INSTALLED BY EC.	120	LED	N/A	500	SUPPLIED BY OWNER - INSTALLED BY EC				K2
N1X	LED WALL PACK TYPE III DISTRIBUTION 2974 NOMINAL DELIVERED LUMENS. BLACK IN COLOR. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL WITH BATTERY DRIVER.	UNIV	LED 3000K	N/A	21	LITHONIA	DSXW1LED-P3-30K-80CRI-T3M-MVOLT-SRM-PIR-E10WH-DBLXD	HE WILLIAMS, ,GARDCO, MCGRAW EDISON GWC		N1X
P1	SINGLE-HEAD, TYPE IV (P28) DISTRIBUTION LED POLE MOUNTED FIXTURE W/ HOUSESIDE SHIELD, 25' SQUARE STEEL POLE. BLACK IN COLOR. HEAD AND POLE SHALL HAVE MATCHING FINISH. 146470 & 8343 NOMINAL DELIVERED LUMENS. PROVIDE CONCRETE BASE PER DETAIL. PROVIDE BASE COVER. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL.	UNIV	LED 3000K	N/A	170	LITHONIA	DSX0-LED-P7-30K-80CRI-BLC4-MVOLT-SPA-PIR-DBLXD POLE: SSS-25-4G-DM28AS-VD-DBLXD	BEACON, MCGRAW EDISON, GARDCO		P1

MOTOR SCHEDULE

ABBREVIATIONS:

MAG - MAGNETIC, HOA - HAND/OFF/AUTOMATIC, SS - START/STOP, TT - THERMAL TOGGLE, PB - PUSHBUTTON, START - STARTER, EMS - ENERGY MANAGEMENT SYSTEM, BAS - BUILDING AUTOMATION SYSTEM, F.A. - FIRE ALARM, DSD - DUCT SMOKE DETECTOR, MFR - MANUFACTURER, OATS - OUTSIDE AIR TEMPERATURE SENSOR

GENERAL NOTES:

A. CONFIRM ALL CONNECTIONS TO MECHANICAL EQUIPMENT WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.
B. DISCONNECTS SHALL NOT BE MOUNTED DIRECTLY TO MECHANICAL EQUIPMENT.
C. ALL FEEDERS TO MECHANICAL EQUIPMENT SHALL BE COPPER.

NOTES:

1. PROVIDE SINGLE POLE, 30A CONTACTOR W/24V CONTROL COIL FOR CONTROL VIA DIV 23 CONTROLLER.
2. SPLIT SYSTEM CIRCUIT SHALL BE ROUTED FROM THE PANEL/CIRCUIT BREAKER THROUGH THE OUTDOOR UNIT (CU#3) TO THE INDOOR UNIT (AC#1).
3. PROVIDE TOGGLE SWITCH ABOVE ACCESSIBLE CEILING SPACE FOR DISCONNECT AND LABEL.
4. PROVIDE 20A RELAY W/24V COIL FOR CONTROL VIA DIV 23 T-STAT. LINE-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIVISION 26. LOW-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIV 23.
5. PROVIDE RELAY FOR FAN SHUTDOWN UPON ACTIVATION OF DUCT SMOKE DETECTOR. MOUNT DETECTOR IN RETURN DUCTWORK. PROVIDE REMOTE TEST SWITCH. VERIFY LOCATION WITH AHJ.
6. PROVIDE TOGGLE SWITCH AT UNIT FOR DISCONNECT.
7. ROUTE POWER THROUGH SPEED CONTROLLER SWITCH BY DIV 23. MOUNT IN CEILING SPACE. FOR BALANCING PURPOSES ONLY.
8. ROUTE POWER THROUGH LIGHTING CONTROL PANEL RELAY. PROGRAM TIME OF DAY TO OWNERS REQUIREMENTS.
9. PROVIDE NEMA 3R DISCONNECT ADJACENT THE UNIT. DO NOT INSTALL DIRECTLY ON THE CONDENSING UNIT.
10. PROVIDE 3-POLE, 30A CONTACTOR W/208V CONTROL COIL FOR CONTROL VIA DIVISION 23 PROGRAMMABLE LINE-VOLTAGE T-STAT FOR CONTROL OF DH-1.
11. FAN SHALL BE CONTROLLED WITH LIGHTING IN ROOM. PROVIDE ADDITIONAL POWER PACK OR INTERFACE TO LIGHTING CONTROLS AS REQUIRED. FAN SHALL COME ON WITH EITHER SWITCHLEG WHERE APPLICABLE. FAN SHALL OPERATE FOR 15 MINUTES (ADJ.) AFTER LIGHTS ARE TURNED OFF.

MOTOR NO.	LOCATION		KW	UNIT FLA	UNIT HP	UNIT MCA	VOLTS	PHASE	STARTER				DISC FU/SW	DISC BY	CONTROL DEVICE			INTERLOCK			PANEL	CIRCUIT	BREAKER	FEEDER PH-G-C	NOTES	MOTOR NO.
	ROOM NAME	ROOM NO							TYPE	SIZE	LOC	BY			DEVICE	FURNISHED BY	WIRED BY	DEVICE	FURNISHED BY	WIRED BY						
BOILER - GAS SCHEDULE																										
B#1			0.48	4	- -	5	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	4	15	12-12-1/2"	6	B#1
COIL - ELECTRIC SCHEDULE																										
DH#1			4	11.1		13.9	208	3	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	DIV 23	DIV 26	- -	- -	- -	M	32,34,36	25	12-12-1/2"	10	DH#1
CONDENSING UNIT - AIR COOLED SCHEDULE																										
CU#1	ROOF	- -	3.5	16.7		20.9	208	1	- -	- -	- -	- -	WP NF/60	DIV 26	T-STAT (VIA SU#1)	DIV 23	DIV 23	- -	- -	- -	M	20,22	35	8-10-3/4"	9	CU#1
CU#2	ROOF	- -	3.5	16.7		15.5	208	1	- -	- -	- -	- -	WP NF/60	DIV 26	T-STAT (VIA SU#2)	DIV 23	DIV 23	- -	- -	- -	M	15,17	35	8-10-3/4"	9	CU#2
CU#3	ROOF	- -	2.6	12.8		16	208	1	- -	- -	- -	- -	WP NF/30	DIV 26	T-STAT (VIA AC-1)	DIV 23	DIV 23	AC-1	DIV 26	DIV 26	M	27,29	30	10-10-3/4"	2, 9	CU#3
FAN SCHEDULE																										
EF1	ROOF	- -	0.312	1.5	1/6	1.9	208	1	- -	- -	- -	- -	INTEGRAL	MFR	OCCUPANCY	DIV 26	DIV 26	- -	- -	- -	M	10,12	15	12-12-1/2"	11	EF1
FURNACE - GAS FIRED SCHEDULE																										
SU#1			1.2	10.1		10.9	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 23	DSD	DIV 26	DIV 26	M	7	25	12-12-1/2"	5, 6	SU#1
SU#2			0.76	6.3		7	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 23	DSD	DIV 26	DIV 26	M	6	20	12-12-1/2"	5, 6	SU#2
PLUMBING PUMP SCHEDULE																										
PP#1			0.09	0.74		0.9	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	LCP	DIV 26	DIV 26	- -	- -	- -	M	1	15	12-12-1/2"	8	PP#1
PUMP SCHEDULE																										
P#1			0.252	2.1	1/6	2.6	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	2	20	12-12-1/2"	1	P#1
P#2			0.168	1.4	1/12	1.75	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	3	20	12-12-1/2"	1	P#2
P#3			0.168	1.4	1/12	1.75	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	5	20	12-12-1/2"	1	P#3
RADIANT PANEL SCHEDULE - ELECTRIC																										
EH#2.1			0.75	3.6		4.5	208	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 26	- -	- -	- -	M	14,16	20	12-12-1/2"	3, 4	EH#2.1
SPLIT SYSTEM COOLING INDOOR UNIT SCHEDULE																										
AC#1			0.03	0.1		16	208	1	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	DIV 23	DIV 23	CU#3	DIV 26	DIV 26	M	27,29	20	12-12-1/2"	2	AC#1
UNIT HEATER SCHEDULE - ELECTRIC																										
EH#1			2	9.6	- -	0	208	1	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	MFR	MFR	OATS	DIV 23	DIV 26	M	19,21	20	12-12-1/2"		EH#1
WATER HEATER - ELECTRIC SCHEDULE																										
WH#1			4	19.2		24	208	1	- -	- -	- -	- -	NF/30	DIV 26	- -	- -	- -	- -	- -	- -	M	23,25	25	10-10-3/4"		WH#1

LIGHTING CONTROL SCHEDULE

RELAY #	PANEL / CKT NO.	VOLTAGE	CONTROL	DESCRIPTION	NOTES
1	A/8	120	EXTERIOR PHOTOSENSOR	PARKING LOT - SECURITY LIGHTING "Ea"	1,3
2	A/9	120	EXTERIOR PHOTOSENSOR	PARKING LOT "Eb"	1,2,3
3	A/4	120	EXTERIOR PHOTOSENSOR	DRIVE THRU CANOPY SECURITY LIGHTING "Ec"	1,3
4	A/4	120	EXTERIOR PHOTOSENSOR/SCHEDULE	DRIVE THRU CANOPY LIGHTING "Ed"	1,2,3
5	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR CANOPY LIGHTING "Ee"	1,2,3
6	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR CANOPY SECURITY LIGHTING "Ef"	1,2,3
7	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR ENTRANCE COLOR TAPE LIGHT	2
8	A/1	120	EXTERIOR PHOTOSENSOR/SCHEDULE	FLAG LIGHTS	1,3
9	A/6	120	EXTERIOR PHOTOSENSOR/SCHEDULE	MONUMENT SIGN	1,3
10	A/2	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR BUILDING SIGNAGE	1,2,3
11	A/9	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR BUILDING SIGNAGE	1,2,3
12	M/1	120	SCHEDULE	PPH1	2
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

NOTES:
1. PROGRAM CONTROL PANEL TO TURN FIXTURES ON AT DUSK VIA PHOTOCELL.
2. PROGRAM TIMECLOCK TO TURN FIXTURES ON THEN OFF AT PRE-SET SCHEDULE. COORDINATE W/OWNER.
3. PROGRAM CONTROL PANEL TO TURN FIXTURES OFF AT DAWN VIA PHOTOCELL.
4. PROGRAM TIMECLOCK TO TURN FIXTURES OFF AT PRE-SET SCHEDULE. COORDINATE W/OWNER.
5. MESSAGE CENTER CIRCUIT(S) SHALL NOT BE CONTROLLED WITH RELAY.
6. RELAY TO BE CONTROLLED WITH LIGHTING CONTROL STATION.

LIGHTING CONTROL COMMISSIONING

PROVIDE FUNCTIONAL TESTING AND DOCUMENTATION FOR ALL LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS TO MEET THE REQUIREMENTS OF 2024 MN ENERGY CODE. LIGHTING CONTROLS SUPPLIER SHALL BE RESPONSIBLE TO PROVIDE A REPRESENTATIVE WHO WILL PERFORM THIS SCOPE OF SERVICE.ALL TIMING SHALL MEET CODE MINIMUM REQUIREMENTS AND BE ADJUSTED AS REQUESTED BY OWNER.UPON COMPLETION PROVIDE DOCUMENTATION TO AUTHORITY HAVING JURISDICTION AS REQUESTED.

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LA CROSSE, WI

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Matthew W. Fults
40887 2026-03-27
Reg No. Date

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ELECTRICAL SCHEDULES

Drawn By: FSB Checked By: KDM

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PANEL: M

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 400 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: 400 A | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 35,000 A

NOTES:

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	PP#1	15	1	90	252					1	20	P#1	2
3	P#2	20	1			168	480			1	15	B#1	4
5	P#3	20	1					168	760	1	20	SU#2	6
7	SU#1	20	1	1200	--					1	--	SPACE ONLY	8
9							312			2	15	EF1	10
11									312	--	--	--	12
13					375					2	20	EH#2.1	14
15	CU#2	35	2			1750	375			--	--	--	16
17	--	--	--					1750					18
19	EH#1	20	2	1000	1750					2	35	CU#1	20
21	--	--	--			1000	1750			--	--	--	22
23	WH#1	25	2					4000					24
25	--	--	--	4000	3998					3	200	PANEL A	26
27	CU#3	30	2			2615	4009			--	--	--	28
29	--	--	--					2615	3005	--	--	--	30
31	PANEL B	200	3	8680	1333					3	25	DH#1	32
33	--	--	--			8680	1333			--	--	--	34
35	--	--	--					8710	1333	--	--	--	36
37	SPARE	20	1	0	0					1	20	SPARE	38
39	SPARE	20	1			0	0			1	20	SPARE	40
41	SPARE	20	1					0	0	1	20	SPARE	42
		TOTAL LOAD:		22678 VA		22465 VA		22652 VA					
		TOTAL AMPS:		189 A		187 A		189 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Appliance	2000 VA	70.00%	1400 VA		
Electric Heat	14750 VA	100.00%	14750 VA	**CONNECTED LOAD:**	67795 VA
Lighting	6412 VA	125.00%	8014 VA	**ESTIMATED DEMAND:**	67136 VA
Motor	18372 VA	100.00%	18372 VA	**CONNECTED CURRENT:**	188 A
Other	750 VA	100.00%	750 VA	**EMD CURRENT:**	186 A
Power	10200 VA	100.00%	10200 VA		
Receptacle	13320 VA	87.54%	11660 VA		
Spare	2000 VA	100.00%	2000 VA		

PANEL: A

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 100 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: MLO | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 22,000 A

NOTES:

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	FLAG UPLIGHTS	20	1	200	800					1	20	EXTERIOR SIGN	2
3	LIGHTS CLERESTORY	20	1			480	752			1	20	LIGHTS INTERIOR	4
5	LIGHTS INTERIOR	20	1					610	1200	1	20	MOMUMENT SIGN	6
7	COVE LIGHITNG CLERESTORY	20	1	978	1020					1	20	PARKING LOT LIGHTS	8
9	EXTERIOR SIGN	20	1			800	1000			1	20	DRIVE UP SIGNAGE	10
11	MONUMENT SIGN	20	1					1200	--	1	--	SPACE ONLY	12
13	FUTURE ATM	30	2	1000	--					1	--	SPACE ONLY	14
15	--	--	--			1000	--			1	--	SPACE ONLY	16
17	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	34
35	SPARE	20	1					0	0	1	20	SPARE	36
37	SPARE	20	1	0	0					1	20	SPARE	38
39	SPARE	20	1			0	0			1	20	SPARE	40
41	SPARE	20	1					0	0	1	20	SPARE	42
		TOTAL LOAD:		3998 VA		4009 VA		3005 VA					
		TOTAL AMPS:		35 A		35 A		25 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	6412 VA	125.00%	8014 VA		
Power	2600 VA	100.00%	2600 VA	**CONNECTED LOAD:**	11008 VA
Spare	2000 VA	100.00%	2000 VA	**ESTIMATED DEMAND:**	12610 VA
				CONNECTED CURRENT:	31 A
				EMD CURRENT:	35 A

PANEL: B

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 150 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: MLO | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 22,000 A

NOTES:
1. PROVIDE 5mA GFCI CIRCUIT BREAKER.

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	RECEPT, CLERESTORY	20	1	180	360					1	20	RECEPT, CASH WORK ROOM / IT 106	2
3	RECEPT, TOILET 115	20	1			280	440			1	20	POWER - DRIVE LANE JUNCTION BOX	4
5	EWC (NOTE 1 - 5mA GFCI)	20	1					360	500	1	20	BLOWER UNIT	6
7	COIN COUNTER	20	1	500	640					1	20	RECEPTS, WELLNESS, EMP TOILET	8
9	WATER SOFTENER	20	1			600	720			1	20	POWER WINDOW SHADES - CLERESTORY	10
11	RECEPTS, TELLER 104	20	1					610	610	1	20	RECEPTS, VIDEO CONF. 109	12
13	RECEPTS, OFFICE 110	20	1	1080	1080					1	20	RECEPTS, OFFICE 111, VEST 101	14
15	RECEPTS, OFFICE 112	20	1			900	900			1	20	RECEPTS, OFFICE 113	16
17	RECEPTS, WAITING AREA	20	1					790	1000	1	20	DOOR OPERATORS	18
19	RECEPT, OWNER SAFE	20	1	180	360					1	20	RECEPTS, VIDEO CONF. 109	20
21	RECEPT, UTILITY ROOM 114	20	1			180	360			1	20	RECEPTS, VIDEO SURVEILLANCE	22
23	UPS	30	1					180	360	1	20	RECEPTS, WORK / COPY 107	24
25	RECEPT, ELECTRICAL DRAWER	20	1	360	500					1	20	DRIVE UP CUSTOMER UNIT	26
27	RECEPT, MPOP	20	1			360	500			1	20	FIREPLACE, WAITING AREA 103	28
29	RECEPTS, LOUNGE 118	20	1					360	500	1	20	NITHGT DEPOSIT	30
31	RECEPTS, STORAGE 108, TELLER 104	20	1	720	720					1	20	RECEPTS, CASH WORK ROOM / IT 106	32
33	RECEPTS, TELLER 104	20	1			720	720			1	20	RECEPTS, DRIVER-UP TELLER 105	34
35	RECEPTS, TELLER 104	20	1					720	720	1	20	RECEPTS, LOUNGE, EMP ENTRANCE, EXTERIOR	36
37	RECEPT, WORK / COPY 107	20	1	1000	1000					1	20	DRIVE UP VIDEO UNIT	38
39	REFRIGERATOR, LOUNGE 118	20	1			1000	1000			1	20	ELECTRIC HEAT TAPE - ROOFDRAIN	40
41	TCR, TELLER 104	20	1					1000	1000	1	20	MICROWAVE, LOUNGE 118	42
		TOTAL LOAD:		8680 VA		8680 VA		8710 VA					
		TOTAL AMPS:		72 A		72 A		73 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Appliance	2000 VA	70.00%	1400 VA		
Motor	2400 VA	100.00%	2400 VA	**CONNECTED LOAD:**	26070 VA
Other	750 VA	100.00%	750 VA	**ESTIMATED DEMAND:**	23810 VA
Power	7600 VA	100.00%	7600 VA	**CONNECTED CURRENT:**	72 A
Receptacle	13320 VA	87.54%	11660 VA	**EMD CURRENT:**	66 A

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults
40887 2026-03-27
Reg No. Date

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ELECTRICAL SCHEDULES

Drawn By: FSB Checked By: KDM

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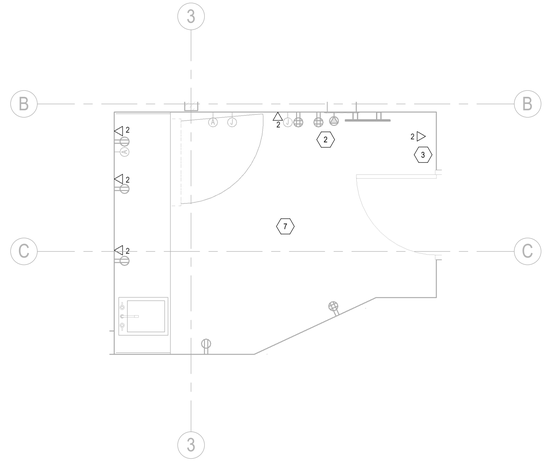
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TECHNOLOGY SYMBOLS

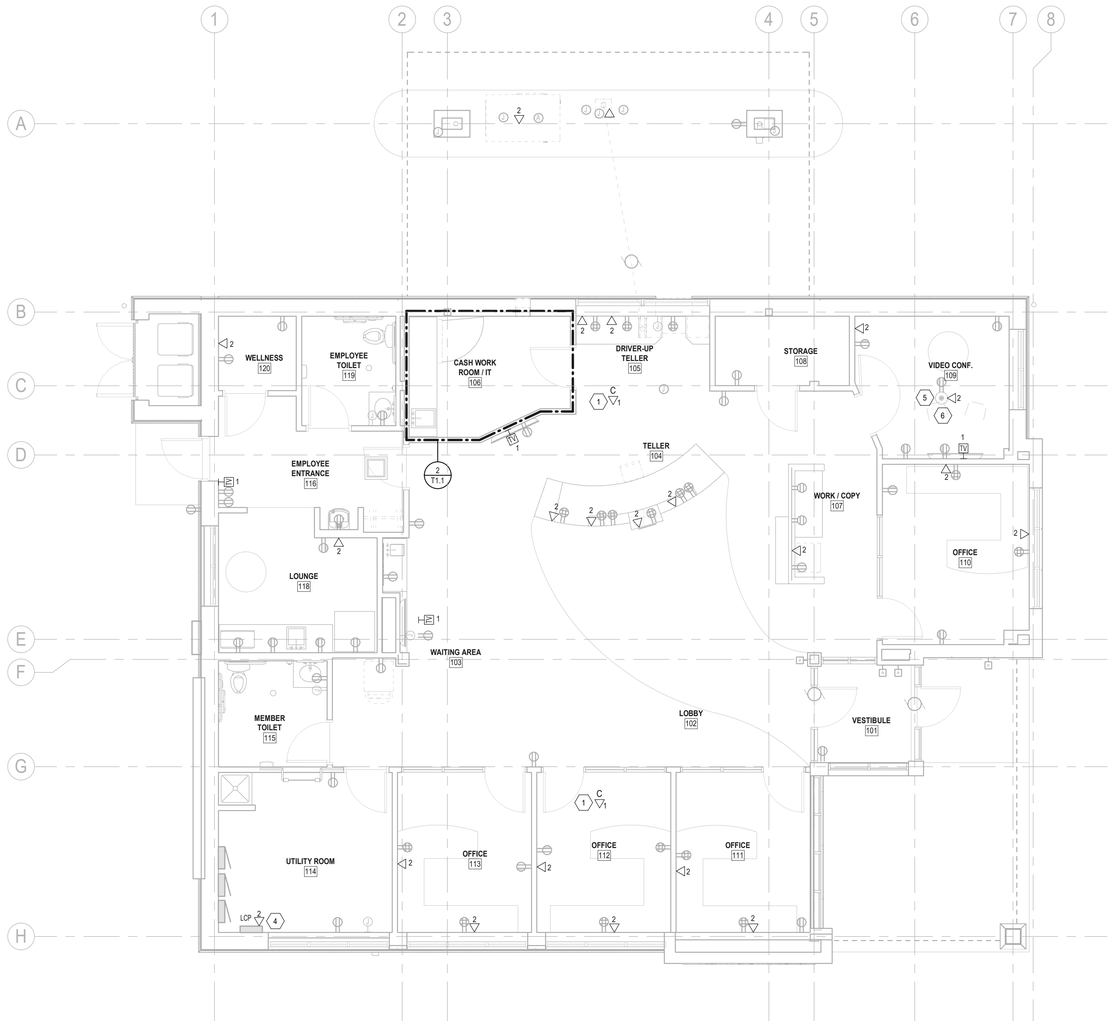
SYMBOL	DESCRIPTION
# OF DATA CABLES → #	DATA/TELEPHONE OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "#" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.
# OF DATA CABLES → # TV	TELEVISION OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "#" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.

LOW VOLTAGE RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED BY			N/A	REMARKS
	OWNER	VENDOR	DIV 26	OWNER	VENDOR	DIV 26		
DATA CABLE CONDUITS / ROUGH-IN BOXES WITH PULLWIRE			o			o		
DATA ROOM HARDWARE (DATA RACKS, LADDER RACK, ETC)		o			o			
DATA CABLING AND JACKS			o			o		
DATA ROOM ELECTRONICS		o			o			



2 CASH WORK ROOM / IT - TECHNOLOGY
SCALE: 3/8" = 1'-0"



1 MAIN LEVEL PLAN - TECHNOLOGY
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. PROVIDE BLANK COVERPLATES ON UNUSED ROUGH-INS.

B. PROVIDE CABLE DISTRIBUTION J-HOOKS AS NECESSARY TO ROUTE AND SUPPORT CABLES. ALL CABLES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT LIE ON CEILING GRID. J-HOOKS SHALL BE SPACED NO MORE THAN FIVE FEET ON CENTER.

KEY NOTES:

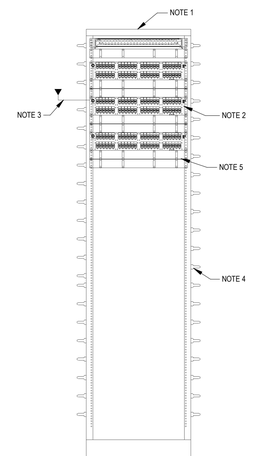
1. PROVIDE CAT-6 CABLE FROM WIRELESS ACCESS POINT IN CEILING TO SERVER ROOM FOR WIFI. COORDINATE EXACT LOCATION AND REQUIREMENTS.
2. TWO-POST DATA RACK PROVIDED BY OWNERS VENDOR.
3. PROVIDE TELEPHONE LINES TO SECURITY/ALARM CONTROL PANELS. ASSUME (2) LINES ARE REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ASSOCIATED VENDORS.
4. PROVIDE (1) TELEPHONE LINE TO LIGHTING CONTROL PANEL.
5. FLOOR BOX PROVIDED BY ELECTRICAL. PROVIDE JACKS AND TERMINATION PLATES AS NECESSARY.
6. PROVIDE HDMI CABLE BETWEEN FLOOR BOX AND TV TERMINATE ON BOTH ENDS.
7. COORDINATE EXACT ROOM LAYOUT WITH OWNER.

TELE/DATA SPECIFIC NOTES.

1. DATA RACK. SECURE TO FLOOR.
2. RACK MOUNTED MODULAR PATCH PANELS. PROVIDE QUANTITY FOR 125% OF DATA/TELEPHONE CABLES.
3. PROVIDE CAT6 CABLING TO DATA/TELEPHONE LOCATIONS AS INDICATED. TERMINATE DATA CABLES TO PATCH PANELS.
4. PROVIDE VERTICAL CABLE MANAGEMENT ALONG BOTH SIDES OF DATA RACK.
5. HORIZONTAL CABLE MANAGEMENT, LOCATED BELOW EACH MODULAR PATCH PANEL.

GENERAL NOTES:

A. PATCH PANELS SHOWN FOR DESCRIPTIVE PURPOSES ONLY. CONTRACTOR TO VERIFY ACTUAL NUMBER OF PATCH PANELS REQUIRED.



3 TECHNOLOGY RISER
NO SCALE

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MAIN LEVEL PLAN - TECHNOLOGY

Drawn By: FSB Checked By: KDM

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ELECTRICAL ABBREVIATIONS

1P	1 POLE (NUMBER DENOTES QUANTITY)
1P1W	1 POLE, 1 WIRE (NUMBER DENOTES QUANTITY)
2W	2 WIRE (NUMBER DENOTES QUANTITY)
72"	MOUNTING HEIGHT (CENTERLINE TO FLOOR OR GRADE)
A	AMPERE
AC	ABOVE COUNTER
AF	AMP FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECT(URAL)
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BCE	BUILDING CONTROLLER ENCLOSURE
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CD	CANDELA
CKT	CIRCUIT
CLG	CEILING
CONN	CONNECTION
CONT	CONTINU(E) (OUS) (ED) (ATION)
CONTR	CONTRACTOR
CP	CORD AND PLUG
CT	CURRENT TRANSFORMER
CTE	CONNECT TO EXISTING
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DOWN	DOWN
DSD	DUCT SMOKE DETECTOR
DWG	DRAWING
Δ	DELTA
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FMC	FLEXIBLE METALLIC CONDUIT
FUSW	FUSE/SWITCH RATINGS (AMPS)
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HZ	HERTZ
IAM	INDIVIDUAL ADDRESSABLE MODULE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS

ELECTRICAL ABBREVIATIONS

KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LCT	LOAD CENTER TYPE
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
LTG	LIGHTING
MAG	MAGNETIC
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTS	MANUAL TRANSFER SWITCH
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OL	OVERLOAD
P	POLE
PB	PULL BOX
PIV	POST INDICATING VALVE
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
Ø OR PH	PHASE
REQ	REQUIRED
RSC	RIGID STEEL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECONDARY
SIG	SIGNAL
SP	SPARE
SS	STAINLESS STEEL
SSNR	SOFT START NON-REVERSING
SSR	SOFT START REVERSING
STP	SHIELDED TWISTED PAIR
SW	SWITCH
SWBD	SWITCHBOARD
T-STAT	THERMOSTAT
TT	THERMAL TOGGLE
TYP	TYPICAL
UG	UNDERGROUND
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
Y	WYE

ELECTRICAL SYMBOL LEGEND

POWER

SYMBOL	DESCRIPTION	MTG HT
XX XX	RECEPTACLE TYPE LEGEND WP = WEATHERPROOF SS = STAINLESS STEEL FACEPLACE GFCI = GROUND FAULT USB = USB TYPE RECEPTACLE T = TAMPERPROOF RECEPTACLE H = HOSPITAL GRADE RECEPTACLE	18"
	FOURPLEX RECEPTACLE	18"
	SIMPLEX RECEPTACLE	18"
	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING
	DUPLEX RECEPTACLE, LOWER SWITCHED	18"
	FOURPLEX RECEPTACLE, SWITCHED	18"
	DUPLEX RECEPTACLE, SWITCHED	18"
	HORIZONTAL MOUNT DUPLEX RECEPTACLE	18"
XX	SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	18"
XX	CEILING MOUNT SPECIAL PURPOSE RECEPTACLE - LETTER INDICATES TYPE - SEE NOTE 3	CEILING
	DUPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	FOURPLEX RECEPTACLE, EMERGENCY CIRCUIT	18"
	RECESSED JUNCTION BOX W/ FLEX CONNECTION	
XX	RECESSED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
XX	SURFACE MOUNTED JUNCTION BOX - LETTER INDICATES TYPE - SEE NOTE 4	CEILING
XX	RECESSED JUNCTION BOX, WAL - LETTER INDICATES TYPE - SEE NOTE 4	18"
XX	SURFACE MOUNTED JUNCTION BOX, WALL - LETTER INDICATES TYPE - SEE NOTE 4	18"
	FLOOR BOX WITH DEVICES INDICATED	FLOOR
PB	PULLBOX SIZED AS REQUIRED OR NOTED	

POWER DISTRIBUTION

SYMBOL	DESCRIPTION	MTG HT
	GENERATOR - SIZE VARIES	
	TRANSFORMER - SIZE VARIES	
	PANELBOARD	WALL OR FLOOR
	SWITCHBOARD/DISTRIBUTION PANELBOARD	WALL OR FLOOR
	GROUND	
M	METER	
MH	MANHOLE	
HH	HANDHOLE	
ATS	AUTOMATIC TRANSFER SWITCH	

MOTORS

SYMBOL	DESCRIPTION	MTG HT
	PUSHBUTTON - SINGLE	
	PUSHBUTTON - DOUBLE	
	PUSHBUTTON - TRIPLE	
S_M	MOTOR RATED TOGGLE SWITCH	
S_F	SWITCH / FUSE ASSEMBLY	
S_T	SWITCH / THERMAL OVERLOAD	
	COMBO MOTOR STARTER / DISCONNECT SWITCH	60"
	MOTOR	
XXX-###	EQUIPMENT W/ELECTRICAL CONNECTION, REFER TO MOTOR SCHEDULE. (MECHANICAL, FOOD SERVICE, ETC.)	
	NON-FUSED DISCONNECT SWITCH	54"
F	FUSED DISCONNECT SWITCH	54"
	MOTOR STARTER	54"
	MUSHROOM HEAD PUSHBUTTON	
	EQUIPMENT CONNECTION	

LIGHTING CONTROLS

SYMBOL	DESCRIPTION	MTG HT
xx $	LIGHTING CONTROL TYPE LEGEND X = SINGLE POLE SWITCH X DENOTES SWITCH LEG 2 = DOUBLE POLE SWITCH 3 = 3-WAY SWITCH 4 = 4-WAY SWITCH EP = EXPLOSION PROOF SWITCH E = EMERGENCY SWITCH LV = LOW VOLTAGE SWITCH PL = PILOT LIGHT SWITCH K = KEY OPERATED SWITCH L = LIGHTED TOGGLE SWITCH MC = MOMENTARY CONTACT SWITCH VS = WALL SENSOR VACANCY SWITCH OS = WALL SENSOR OCCUPANCY SENSOR	46"
x	LIGHTING CONTROL - "X" DENOTES TYPE TYPE A: LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRAL 0-10V AND RAISE/LOWER BUTTONS TYPE D: DIGITAL DIMMER. TYPE P: DIGITAL 4-SCENE PRESET SWITCH W/ RAISE/LOWER CONTROL. TYPE S: DIGITAL 2-BUTTON ON/OFF SWITCH.	46"
XX CEILING / XX WALL	LIGHTING CONTROL TYPE LEGEND R = LINE VOLTAGE RELAY TS = TIME SWITCH C = CONTACTOR CL = CURRENT LIMITER VS = VACANCY SENSOR OS = OCCUPANCY SENSOR RC = ROOM CONTROLLER PS = PHOTOSENSOR ER = EMERGENCY BYPASS RELAY B = REMOTE BALLAST / DRIVER BAT = REMOTE BATTERY	

LIGHTING

SYMBOL	DESCRIPTION	MTG HT
	FIXTURE RECESSED MOUNTED	CEILING
	FIXTURE SURFACE MOUNTED	CEILING
	PENDANT MOUNTED STRIP FIXTURE	
	WALL MOUNTED STRIP FIXTURE	WALL
	DOWN LIGHT FIXTURE	CEILING
	WALL MOUNTED FIXTURE	WALL
	PENDANT FIXTURE	
	TRACK LIGHTING, HEADS SPACED AS INDICATED	
	LIGHT FIXTURE ON EMERGENCY CIRCUIT	
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT FACE DIRECTIONAL ARROWS AS INDICATED	CEILING
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	WALL
	EXIT LIGHT WITH EMERGENCY HEADS DIRECTIONAL ARROWS AS INDICATED	CEILING
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	WALL
	SELF-CONTAINED EMERGENCY LIGHTING UNIT	CEILING
	EXTERIOR POLE MOUNTED FIXTURE	GRADE
	EXTERIOR BOLLARD FIXTURE	GRADE

CABLING

SYMBOL	DESCRIPTION	MTG HT
	WIRE, CONDUIT PER SPECIFICATIONS	
	WIRE IN OR BELOW SLAB OR UNDER GROUND (UG), CONDUIT PER SPECIFICATIONS	
	WIRE COUNTS WHEN MORE THAN 2 WIRES IN CONDUIT PLUS GROUND	
	HOME RUN	
	CONDUIT SLEEVE	
	CONDUIT STUB	

COMMUNICATIONS / DATA

SYMBOL	DESCRIPTION	MTG HT
	TELEPHONE CABINET - SIZE AS INDICATED	
	RACK - SIZE AS INDICATED	
	COMMUNICATIONS BOARD - SIZE AS INDICATED	
	FLOOR BOX	
	TELEPHONE	18"
W	TELEPHONE - WALL HUNG	46"
	COMBINATION PHONE/DATA OUTLET	18"
	DATA OUTLET	18"
C H	DATA - CEILING MOUNTED	CLG
H	HANDSET	
X	WALL CLOCK TYPE LEGEND M = MASTER CLOCK D = DUAL FACE CLOCK C = CLOCK OUTLET NONE = STANDARD WALL CLOCK	94"
S	SPEAKER - WALL MOUNTED	
S	SPEAKER - CEILING MOUNTED	94"
SPK	SOUND REINFORCEMENT - CEILING MOUNTED	
	WALL/FLOOR COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
	CEILING COMMUNICATIONS DEVICE A = AUDIO OUTLET H = HORN IC = CALL STATION M = MICROPHONE MA = MICROPHONE REMOTE ANTENNA MM = MULTIMEDIA OUTLET P = PROJECTOR RS = ROOM SCHEDULER WM = WIRELESS MICROPHONE SYSTEM	
X	WALL COMMUNICATIONS DEVICE SC = SCREEN CONTROLLER TV = TV OUTLET V = VOLUME CONTROL	
X	CEILING COMMUNICATIONS DEVICE M = MICROPHONE OUTLET SC = SCREEN CONTROLLER TERMINATION BOX TV = TV OUTLET	
	BUZZER	
S	BUZZER/STROBE	
	BELL	
C	CHIME	44"
RP	RESCUE ASSIST CALL STATION	
RAP	RESCUE ASSIST ZONE ANNUNCIATOR	
RPB	RESCUE ASSIST POWER SUPPLY WITH PHONE INTERFACE	

SECURITY

SYMBOL	DESCRIPTION	MTG HT
	SECURITY CALL BUTTON	
	SECURITY ALARM PUSHBUTTON (DURESS BUTTON)	
S	ELECTRIC STRIKE	
L	ELECTRIC LATCH	
MC	SECURITY MAGNETIC CONTACT	
MS	SECURITY MOTION SENSOR - REQUEST TO EXIT	
IC	FACILITY INTERCOM	46"
K	SECURITY KEYPAD	46"
CR	SECURITY CARD READER	46"
	INDICATOR LIGHT - CEILING MOUNTED	
	INDICATOR LIGHT - WALL MOUNTED	
	PAGING HORN	
	CCTV CAMERA - CEILING MOUNTED	
	CCTV CAMERA - WALL MOUNTED	
VM	VIDEO MONITOR	
EM	EMERGENCY PHONE - WALL MOUNTED	
EM	EMERGENCY PHONE - BOLLARD MOUNTED	
A	ALARM	

FIRE ALARM

SYMBOL	DESCRIPTION	MTG HT
FACP	FIRE ALARM CONTROL PANEL	
FAA	REMOTE FIRE ALARM ANNUNCIATOR PANEL	
BAT	FIRE ALARM BATTERY CABINET	
AUX	FIRE ALARM AUXILIARY CABINET	
NAC	FIRE ALARM NAC PANEL	
EH	MAGNETIC DOOR HOLD OPEN	
F	FIRE ALARM BELL AND LIGHT	90"
F	FIRE ALARM HORN, WALL MOUNT	82"
F M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), WALL MOUNT	82"
F	FIRE ALARM SPEAKER	82"
F ##	FIRE ALARM STROBE ## DENOTES CANDELA RATING	82"
F ##	FIRE ALARM HORN/STROBE ## DENOTES CANDELA RATING	82"
F ##	FIRE ALARM SPEAKER/STROBE ## DENOTES CANDELA RATING	82"
F	FIRE ALARM HORN, CEILING	CEILING
F M or L	FIRE ALARM MINI HORN (M), LOW TONE (L), CEILING MOUNT	CEILING
F ##	FIRE ALARM STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
F ##	FIRE ALARM HORN/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
F ##	FIRE ALARM SPEAKER/STROBE, CEILING ## DENOTES CANDELA RATING	CEILING
FS	COMBINATION FIRE/SMOKE DAMPER	
S	SMOKE DAMPER	
Z	FIRE ALARM ADDRESSABLE MODULE	
FR	FIRE ALARM RELAY MODULE	
F	FIRE ALARM MANUAL PULL STATION	44"
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE CEILING MOUNT	CEILING
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE CEILING MOUNT	CEILING
	CARBON MONOXIDE DETECTOR CEILING MOUNT	CEILING
	MULTI CRITERIA DETECTOR CEILING MOUNT	CEILING
	FIRE ALARM DUCT SMOKE DETECTOR	
135	FIRE ALARM HEAT DETECTOR CEILING MOUNT 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	CEILING
	FIRE ALARM SMOKE DETECTOR PHOTOELECTRIC TYPE WALL MOUNT	
	FIRE ALARM SMOKE DETECTOR IONIZATION TYPE WALL MOUNT	
	CARBON MONOXIDE DETECTOR WALL MOUNT	
	MULTI CRITERIA DETECTOR WALL MOUNT	
	FIRE ALARM BEAM DETECTOR - TRANSMITTER	
	FIRE ALARM BEAM DETECTOR - RECEIVER	
135	FIRE ALARM HEAT DETECTOR WALL TYPE 135 = 135 DEG. FIXED HEAT DETECTOR 200 = 200 DEG. FIXED HEAT DETECTOR ROR = 135 DEG. RATE OF RISE HEAT DETECTOR	
FS	FIRE SPRINKLER TAMPER SWITCH	
FL	FIRE SPRINKLER FLOW SWITCH	
PIV	FIRE SPRINKLER POST INDICATOR VALVE (PIV)	

NOTES:

1. THESE SYMBOLS COMPRISE A STANDARD LIST; ALL SYMBOLS MAY NOT APPEAR ON THIS PROJECT.
2. MOUNTING HEIGHTS SHOWN ARE STANDARD AND SHALL BE USED UNLESS INDICATED OTHERWISE ELSEWHERE IN THE DRAWINGS. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE UNLESS NOTED OTHERWISE.
3. RECEPTACLE LEGEND:
   C = DATA RACK RECEPTACLE - NEMA L5-30R - MH = CEILING - FEEDER: 10-10-1/2"
   D = DRYER - NEMA 14-30R - MH = 24" - FEEDER: 8-10-3/4"
   R = RANGE - NEMA 14-50R - MH = 6" - FEEDER: 6-10-3/4"
4. OCCUPANCY SENSOR LEGEND:
   - P1 = DIGITAL PASSIVE INFRARED
   - P2 = NON-DIGITAL DUAL - TECHNOLOGY
   - P3 = NON-DIGITAL PASSIVE INFRARED COLD WEATHER
   - P4 = DIGITAL PASSIVE INFRARED HIGH-BAY
   - U1 = DIGITAL ULTRASONIC
   - U2 = NON-DIGITAL ULTRASONIC
   - DT1 = DIGITAL DUAL - TECHNOLOGY
   - DT2 = NON-DIGITAL DUAL-TECHNOLOGY
   - DT3 = DIGITAL DUAL-TECHNOLOGY ADJUSTABLE MOUNT

ELECTRICAL SHEET INDEX

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T1.1	MAIN LEVEL PLAN - TECHNOLOGY

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS

DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

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ELECTRICAL TITLE SHEET

Drawn By: FSB Checked By: KDM

E0.0

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ELECTRICAL GENERAL NOTES

1 ANY ELECTRICAL BOX THAT BECOMES ABANDONED DURING THE COURSE OF THE PROJECT SHALL HAVE A BLANK COVERPLATE.

2 WHERE OTHER ELECTRICAL DEVICES ARE LOCATED ADJACENT TO LIGHT SWITCHES, MOUNT ALL DEVICES AT THE SAME CENTER LINE ELEVATION.

3 ALIGN DEVICES VERTICALLY WHERE DEVICES OF DIFFERENT MOUNTING HEIGHTS ARE INDICATED CLOSE TO OTHER DEVICES.

4 DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.

5 ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A PULLWIRE OR EQUAL AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL, AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE INTENDED USE OF CONDUIT, ORIGINATION AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.

6 IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE ENGINEER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HEREIN.

7 CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID, COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.

8 WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE ARCHITECT.

9 WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.

10 PROVIDE PERMITS AND INSPECTIONS REQUIRED.

11 GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO THE OWNER.

12 VERIFY THE EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.

13 SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.

14 PROVIDE EXTERIOR PULL BOXES AND HANDHOLES AS REQUIRED TO COMPLETE WORK INDICATED. SPLICES IN EXTERIOR PULL BOXES AND HANDHOLES SHALL BE MADE WATERPROOF USING "SCOTCHCAST" SPLICE KIT OR APPROVED EQUAL. SEAL ENDS OF CONDUITS AND DUCTS WITH "DUCTSEAL" OR APPROVED EQUAL.

15 VERIFY EXACT LOCATIONS OF EXISTING AND NEW UNDERGROUND UTILITIES, PIPING, AND RACEWAY SYSTEMS PRIOR TO TRENCHING. PROVIDE NECESSARY TRENCHING, BACKFILL, EXCAVATION, SUPPORTS, SERVICE FEEDERS (CONDUIT AND/OR WIRE), PULLBOXES, TRANSFORMER PADS, SAWCUTTING AND PATCHING, CONCRETE/PAVING, ETC. REQUIRED. BACKFILL TRENCHES TO AND PATCH TO MATCH EXISTING. CONTRACTOR SHALL OBTAIN AND VERIFY EXACT UTILITY COMPANY DRAWINGS AND REQUIREMENTS. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO WORK.

16 CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING OR FACTORY WIRING IN EQUIPMENT PROVIDED BY THIS CONTRACTOR.

17 CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT, OR INSTALLATION METHODS.

18 SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC. SHALL BE CONNECTED AND OPERABLE.

19 CONDUITS PENETRATING THRU ROOF SHALL BE CONSTRUCTED IN CONFORMANCE WITH ARCHITECTURAL ROOFING SECTION(S) AND "SHEET METAL FLASHING AND TRIM" SECTION 076200.

20 ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY UL OR OTHER RECOGNIZED TESTING FACILITY.

21 REFER TO ARCHITECTURAL CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION ON LOCATION OF ELECTRICAL DEVICES MOUNTED IN OR NEAR CASEWORK. COORDINATE MOUNTING HEIGHT AND PLACEMENT OF DEVICES DESIGNATED "AC" (ABOVE COUNTER). REPORT DISCREPANCIES TO ENGINEER PRIOR TO INSTALLATION.

22 PROVIDE FIRE RATED SEALS ON PENETRATIONS IN FIRE RATED FLOORS AND WALLS. REFER TO CODE PLANS FOR RATED FLOOR AND WALL LOCATIONS.

23 PROVIDE ACOUSTICAL SEALANT ON ALL WALL PENETRATIONS. REFER TO ARCHITECTURAL SPECIFICATIONS FOR DETAILS.

24 WHERE CONDUITS ARE INSTALLED EMBEDDED IN CONCRETE POURS, THE OUTSIDE DIAMETER OF THE CONDUITS SHALL NOT EXCEED 1/3 OF THE MINIMUM THICKNESS OF THE SLAB, SHALL BE SPACED NO CLOSER THAN 3 CONDUIT DIAMETERS ON CENTER, AND SHALL NOT CROSS OVER EACH OTHER. CONDUIT SHALL BE INSTALLED IN MIDDLE THIRD OF SLAB. USE APPROVED SUPPORTS FOR CONDUIT.

LIGHTING GENERAL NOTES

1 IN MECHANICAL, ELECTRICAL, AND COMMUNICATION EQUIPMENT ROOMS, CONDUIT FOR LIGHTING FIXTURES MAY BE RUN EXPOSED.

2 LETTER THUS: 'sk' = INDICATES TYPE OF LIGHTING FIXTURES. REFER TO LIGHTING FIXTURE TYPES AS NOTED ON THE LIGHTING FIXTURE SCHEDULE. CIRCUIT INDICATED THUS: "A'XX" WHERE "XX" INDICATES CIRCUIT NUMBER.

3 COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF FIXTURES IN MECHANICAL ROOMS WITH DUCTS, PIPES, AND EQUIPMENT. MOUNT FIXTURES BELOW DUCTS AND PIPES AND AVOID MOUNTING FIXTURES OVER EQUIPMENT. SUPPORT FIXTURES INDEPENDENTLY OF DUCTS, PIPES, AND EQUIPMENT.

4 LIGHT SWITCHES SHALL BE MOUNTED ON LATCH SIDE OF DOOR WITHIN 12" OF DOOR/SIDELIGHT FRAMING, UNLESS NOTED OTHERWISE. LIGHT SWITCHES INSTALLED ADJACENT TO DOOR SWINGS SHALL BE MOUNTED CLEAR OF DOOR SWING AND WITHIN 12" OF DOOR IN OPEN POSITION. COORDINATE LOCATION WITH OTHER WALL DEVICES.

5 COORDINATE ALL LIGHTING LOCATIONS WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO INSTALLATION.

6 UNLESS SPECIFICALLY NOTED, REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT EXTERIOR FIXTURE MOUNTING HEIGHTS AND LOCATIONS.

7 REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES AND DEVICES.

8 MOUNT ALL EXIT LIGHTS DIRECTLY ABOVE DOOR 1'-0" FROM TOP OF OPENING, WHEREVER POSSIBLE. WHERE CEILINGS ARE 10'-0" OR BELOW, MOUNT IN CEILING ABOVE DOOR. REFER TO DETAIL SHEETS FOR TYPICAL EXIT SIGN MOUNTING.

9 MOUNTING HEIGHTS SHOWN FOR WALL MOUNTED FIXTURES ARE TO CENTER. MOUNTING HEIGHTS SHOWN FOR PENDANT FIXTURES ARE TO BOTTOM OF FIXTURE.

10 OCCUPANCY SENSORS SHALL CONTROL ALL LIGHTS IN ROOM SERVED, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR TO PROVIDE RELAY PACKS AS REQUIRED FOR DIFFERENT VOLTAGES, CIRCUITS, AND DIMMER CONTROLLED LIGHTS. REFER TO DETAIL SHEETS FOR OCCUPANCY SENSOR WIRING.

11 DO NOT SHARE NEUTRALS ON LIGHTING CIRCUITS.

12 RECESSED LIGHT FIXTURES INSTALLED IN GYP BOARD OR PLASTER CEILINGS SHALL HAVE PLASTER FRAMES INSTALLED PRIOR TO CEILING MATERIAL.

13 RECESSED FIXTURES INSTALLED INDOORS AND IN POTENTIAL CONTACT WITH INSULATION SHALL BE THERMALLY PROTECTED (IC RATED).

14 VERIFY TYPE OF CEILING CONSTRUCTION FOR PROPER MOUNTING OF ALL RECESSED LIGHT FIXTURES. INSTALLATION OF LIGHT FIXTURES SHALL COMPLY WITH ALL INTERNATIONAL BUILDING CODE REQUIREMENTS.

15 PROVIDE TWO INDEPENDENT SUPPORTS FOR ALL RECESSED LIGHT FIXTURES.

16 FIXTURES INDICATED AS BEING ON EMERGENCY SHALL BE PROVIDED WITH SELF-CONTAINED BATTERY POWERED INVERTER UNIT FOR DIRECT MOUNTING IN FIXTURE, UNLESS NOTED OTHERWISE. BATTERY SHALL OPERATE FIXTURE FOR A MINIMUM OF 90 MINUTES. ROUTE UNSWITCHED HOT TO FIXTURE.

17 ALL LIGHTING FIXTURES LOCATED SO AS TO DISRUPT A FIRE RATED CEILING ARE TO BE ENCLOSED OR SURROUNDED IN A FIRE PROTECTION MATERIAL AND FIBER BOARD. PROTECTION MATERIAL IS TO BE INSTALLED AS PER THE FIRE RESISTANCE INDEX. VERIFY WITH ARCHITECTURAL DRAWINGS THE HOUR RATINGS AND TYPE OF CEILINGS TO BE USED.

18 INTERIOR LIGHTING VACANCY AND OCCUPANCY SENSORS SHALL OPERATE WITH A 20 MINUTE DELAY OR LESS.

POWER GENERAL NOTES

1 VERIFY LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT. PROVIDE SERVICE TO AND CONNECT EQUIPMENT AS REQUIRED.

2 ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROLS, INTERLOCKS, ACCESSORIES, ETC., IN MOTOR CONTROL STARTERS AS REQUIRED BY THE TEMPERATURE CONTROL CONTRACTOR. STARTERS SHALL CONTAIN 120V CONTROL TRANSFORMER, PILOT LIGHT, AND PUSHBUTTONS OR SELECTOR SWITCH AS REQUIRED, IN ADDITION TO OTHER ITEMS (AUXILIARY CONTACTS, DOOR SWITCHES, RELAYS, ETC.) REQUIRED. SUBMIT ELEMENTARY CONTROL DIAGRAMS FOR APPROVAL. SUBMITTALS SHALL INCLUDE INDICATION OF PRIOR REVIEW AND ACCEPTANCE BY TEMPERATURE CONTROL CONTRACTOR. REFER TO MECHANICAL DRAWINGS AND TEMPERATURE CONTROL DIAGRAMS FOR ADDITIONAL CONDUIT, WIRE, RELAYS, TRANSFORMERS, CONNECTIONS, ETC. REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

3 INTERRUPTING RATINGS NOTED IN SCHEDULES SHALL APPLY TO ENTIRE PANELBOARD AND/OR SWITCHBOARD. ALL EQUIPMENT COMPRISING PANELS AND/OR SWITCHBOARDS SHALL BE FULLY RATED FOR SHORT CIRCUIT CURRENT NOTED.

4 PROVIDE ENGRAVED NAMEPLATES ON SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC., INDICATING EQUIPMENT DESIGNATION (OR DESIGNATION OF EQUIPMENT SERVED) AND VOLTAGE.

5 FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.

6 ADJUST MOUNTING HEIGHTS OF ALL OUTLETS IF REQUIRED SO AS NOT TO INTERFERE WITH RADIATION. VERIFY CHANGES WITH ENGINEER.

7 PANEL DIRECTORIES SHALL BE REMOVABLE. SUBMIT PROPOSED SCHEDULE OF DIRECTORIES TO OWNER FOR APPROVAL. ROOM NAMES AND NUMBERS SHALL BE AS DIRECTED BY OWNER. DIRECTORIES SHALL BE TYPED AND INSTALLED UNDER CLEAR PLASTIC COVERS.

8 ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS WITH PVC JACKET OR PROVIDED EQUAL PROTECTION. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.

9 ALL BRANCH CIRCUIT AND FEEDER CONDUITS SHALL HAVE A CODE SIZED COPPER GROUNDING CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.

10 FINAL CONNECTIONS TO MOTORS, TRANSFORMERS, AND OTHER VIBRATING EQUIPMENT SHALL BE WITH LIQUIDTIGHT FLEX METAL CONDUIT AND FITTINGS. DO NOT SECURE CONDUITS, DISCONNECTS, OR DEVICES TO DUCTWORK OR MECHANICAL EQUIPMENT.

11 BRANCH CIRCUITS RATED 120V, LONGER THAN 75'(CONDUCTOR LENGTH) SHALL BE A MINIMUM WIRE SIZE OF #10 (LINE, NEUTRAL, AND GROUND) THROUGHOUT.

12 PULLBOXES, CABINETS, ETC. MOUNTED ON THE EXTERIOR AT GRADE LEVEL, SHALL BE WEATHERPROOF TYPE WITH HINGED LOCKABLE COVERS SECURED WITH TAMPERPROOF SCREWS.

13 DO NOT SHARE NEUTRALS, EXCEPT ON BREAKERS WITH HANDLE TIES. MULTIWIRE BRANCH CIRCUITS SHALL HAVE HANDLE TIES PER NEC 210. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE HANDLE TIED BREAKERS.

14 POWER RECEPTACLES SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT DATA OR TV ROUGH-IN. REFER TO SYSTEMS PLANS FOR LOCATIONS.

15 PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.

16 PROVIDE 120V POWER TO EACH SMOKE, FIRE/SMOKE DAMPER. COORDINATE WITH MECHANICAL FOR EXACT DAMPER LOCATIONS.

17 COORDINATE UNDERGROUND CONDUIT INSTALLATION WITH FOOTING ELEVATIONS. CUTTING AND/OR DRILLING THROUGH FOOTINGS IS NOT ACCEPTABLE. SEE STRUCTURAL DETAILS FOR FOOTING ELEVATIONS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.

18 PROVIDE 1"C. FOR EACH FLOOR BOX POWER BRANCH CIRCUIT FEEDER, UNLESS NOTED OTHERWISE. VERIFY LOCATION OF ALL FLOOR BOXES AND FLOOR OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.

19 ELECTRICAL REQUIREMENTS AND RATINGS FOR MECHANICAL EQUIPMENT ARE INDICATED IN THE MOTOR SCHEDULES. EQUIPMENT LOCATIONS ARE INDICATED ON DRAWINGS FOR COORDINATION PURPOSES. COORDINATE EXACT LOCATIONS WITH MECHANICAL.

20 DISCONNECTS AND/OR TOGGLE SWITCHES FOR EQUIPMENT SHALL NOT BE MOUNTED DIRECTLY TO THE EQUIPMENT. PROVIDE INDEPENDENT SUPPORT.

21 ALL JUNCTION BOXES SHOWN SHALL BE 4"x4" WITH SINGLE GANG MUDRING, UNLESS INDICATED OTHERWISE.

22 ALL EXTERIOR RATED WEATHERPROOF GFCI RECEPTACLES SHALL BE MOUNTED AT 24" AFF UNLESS NOTED OTHERWISE. PROVIDE HEAVY DUTY WET LOCATION WHILE IN USE COVER.

23 PROVIDE SELF ADHESIVE IDENTIFICATION INSIDE COVER OF EACH FUSIBLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED.

SPECIAL SYSTEM GENERAL NOTES

1 ALL LOW-VOLTAGE SYSTEM CONDUITS SHALL HAVE LONG RADIUS SWEEPS.

2 PROVIDE 2-GANG J-BOX WITH SINGLE GANG MUDRING AND BLANK COVER PLATE FOR DATA, VOICE, AND TV LOCATIONS. ROUTE 1"C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRINGS.

3 DATA AND TV ROUGH-INS SHALL BE MOUNTED AT THE SAME ELEVATION AND WITHIN 12" OF THE ADJACENT POWER RECEPTACLE. REFER TO POWER PLANS FOR LOCATIONS.

4 PROVIDE INSULATED BUSHINGS OVER CONDUIT ENDS AT ROUGH-IN AND CONDUIT SLEEVE LOCATIONS PRIOR TO INSTALLATION OF ANY CABLING.

5 DEVICES INSTALLED IN THE CEILING GRID SHALL BE CENTERED IN THE TILE. CORRIDOR DEVICES SHALL BE MOUNTED IN A STRAIGHT LINE AS SHOWN ON PLANS.

6 LOCATE SMOKE DETECTORS AND SMOKE ALARMS AT LEAST 3' FROM SUPPLY AIR DIFFUSERS.

7 PROVIDE CIRCUIT BREAKER "LOCK-ON" DEVICES FOR FACP AND NAC CIRCUIT(S).

8 ALL WALL PENETRATIONS FOR FIRE ALARM WIRING SHALL BE IN CONDUIT. FIRE ALARM CONTRACTOR SHALL NOT INSTALL FIRE ALARM CABLING IN SLEEVES FOR OTHER LOW-VOLTAGE SYSTEMS.

9 PROVIDE 1"C TO EACH FLOOR BOX DATA/PHONE OR TV OUTLET SHOWN (FOR EACH SYMBOL). ROUTE TO NEAREST WALL AND UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUIT.

10 COORDINATE LOCATIONS OF ALL DEVICES WITH WALL FINISHES. DO NOT INSTALL IN MIRRORS. REFER TO ARCHITECTURAL ELEVATIONS.

11 ALL LOW-VOLTAGE CABLING SHALL BE CONCEALED IN ACCESSIBLE CEILINGS, RACEWAY, OR CABLE TRAYS.

12 COORDINATE CABLE TRAY ROUTING WITH ALL TRADES. MAINTAIN 6" SEPARATION FROM LIGHT FIXTURE BALLAST/DRIVERS. REFER TO CABLE TRAY DETAILS FOR WALL PENETRATIONS.

13 PROVIDE 2-GANG J-BOX WITH 2-GANG MUDRING AND BLANK COVER PLATE FOR 'MM' TYPE DATA BOXES. ROUTE (2) 1 ¼"C. UP INTO CONCEALED ACCESSIBLE CEILING SPACE. PROVIDE NYLON BUSHINGS AND PULL STRING IN CONDUITS. SEE SPECIFICATIONS FOR MORE INFORMATION.

14 PROVIDE BLANK 4-POSITION FACEPLATE FOR ALL DATA OUTLET LOCATIONS WITH A "0" DESIGNATION FOR CABLE QUANTITIES.

15 CABLES SHALL BE SUPPORTED FROM STRUCTURE VIA APPROVED J-HOOKS SPECIFIED WHERE NO CABLE TRAY IS PRESENT.

16 VINYL TIE STRAPS ARE PROHIBITED THROUGHOUT. UTILIZE VELCRO TIE STRAPS TO BUNDLE CABLES THROUGHOUT THE FACILITY.

17 CABLE ENDS (INSIDE BOX AND AT BACK OF PATCH PANELS) SHALL BE LABELED. SEE SPECIFICATIONS. FACEPLATES AND PATCH PANELS FACES SHALL ALSO BE LABELED.

18 CONTRACTOR SHALL PROVIDE LADDER RACK IN EACH DATA CLOSET. THE LAYOUTS SHOWN ARE DIAGRAMATIC ONLY AND SHALL BE THE MINIMUM LEVEL. ACCESSORIES SUCH AS RADIOUS CURVES, SUPPORTS, WATERFALLS, ETC. ARE NOT SHOWN, BUT SHALL BE INCLUDED. PROVIDE ADDITIONAL LADDER RACK TO SUPPORT CABLES AS REQUIRED.

19 SEE TECHNOLOGY RISERS FOR MORE INFORMATION ABOUT TECHNOLOGY ROOM LAYOUTS.

20 BACKBONE CABLING SHALL BE INSTALLED IN DEDICATED PATHWAYS. DO NOT INSTALL UTP AND OTHER CABLES WITH BACKBONE CABLES WHEN IN CONDUIT. BACKBONE AND OTHER CABLES CAN SHARE CABLE TRAY AND LADDER RACK.

21 FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE DEVICES, CONDUIT, WIRES, AND CABLE AS DIRECTED BY EQUIPMENT MANUFACTURER. MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL MEET PREVAILING CODES. THE SYSTEM SHALL BE COMPLETE AND OPERABLE IN EVERY RESPECT.

22 TELEVISION SYSTEM. CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF ¾" UNLESS NOTED. TV OUTLETS, CABLE, AMPLIFIERS, SPLITTERS, ANTENNA WITH MAST, ETC., BY OTHERS.

23 SECURITY SYSTEM. CONTRACTOR SHALL PROVIDE ALL CONDUIT, AND J-BOXES (MINIMUM TWO-GANG) FOR A COMPLETE RACEWAY SYSTEM. CONDUIT SHALL BE A MINIMUM OF ½" UNLESS NOTED. SECURITY SYSTEM CONTRACTOR SHALL INSTALL SECURITY PANELS, CAMERAS, WIRE, SECURITY DEVICES, ETC.

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET		2026-03-27
REVISIONS		
DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 Reg No. — 2026-03-27 Date

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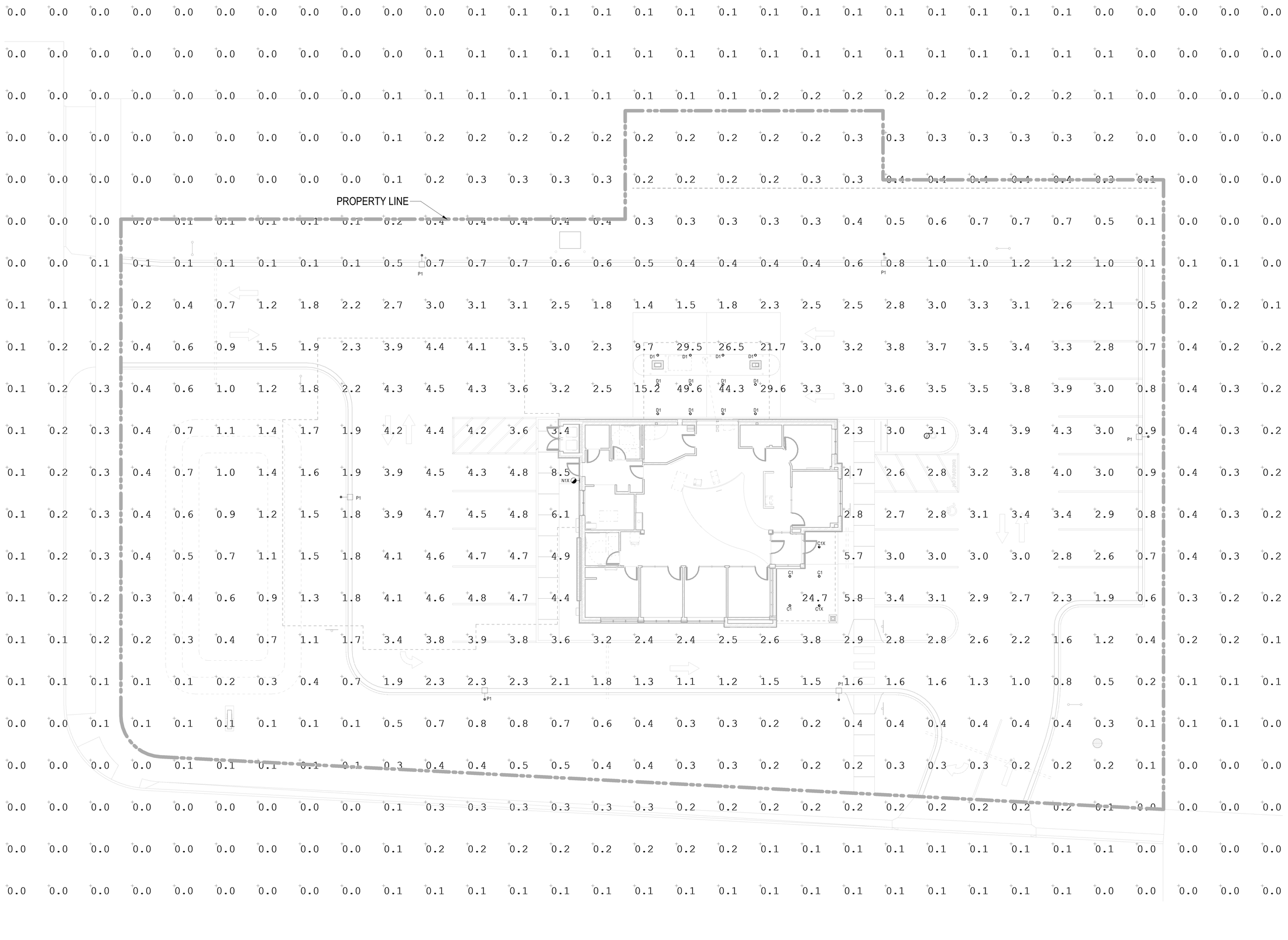
ELECTRICAL GENERAL NOTES

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Matthew W. Fults

40887 2026-03-27
Reg No. Date

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SITE PLAN - PHOTOMETRICS

Drawn By: FSB Checked By: KDM

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LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT AND MAY NOT BE COMPLETE. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING, AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
C. ALL FINISHES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING FIXTURES. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE. FINISHES SHALL BE VERIFIED AT THE TIME OF SHOP DRAWING SUBMITTAL.
D. SEE SPECIFICATIONS FOR EXTRA MATERIALS REQUIRED FOR LIGHT FIXTURES.
E. COORDINATE THE COMPATIBILITY OF DIMMING WITH SPECIFIED CONTROLS. DIMMING SHALL BE ACCOMPLISHED WITH NO VISIBLE FLICKER.
F. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
G. EQUALS ARE ACCEPTABLE AND WILL BE REVIEWED AS PART OF THE SHOP DRAWING PROCESS.

FIXTURE NOTES:

1. PROVIDE SPECIFIED FIXTURE MODEL. INCLUDE AN ALLOWANCE PRICE IN BID. ALLOWANCE INCLUDES FIXTURE ONLY. PROVIDE ADDITIONAL COST FOR FREIGHT, INSTALL AND ADDITIONAL MARK-UP. PROVIDE CUT-SHEETS DURING SHOP DRAWING REVIEW.
2. CONTRACTOR SHALL PROVIDE POLE, BASE AND ANY OPTIONAL COMPONENTS NECESSARY FOR A COMPLETE AND CODE COMPLIANT FIXTURE ASSEMBLY ACCEPTABLE TO THE ARCHITECT AND AHJ.

TYPE	DESCRIPTION	VOLT	LAMPS		VA / FIXT.	MANUFACTURER	CATALOG NUMBER	EQUAL MANUFACTURERS	L.L.F.	TYPE
			TYPE	QTY / FIXT.						
C1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 1500 NOMINAL LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO6-D-15LM-35K-80CRI-MD-MIN10-MVOLT	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #C6RDL	0.9	C1
C1X	SAME AS C1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	15	GOTHAM			0.9	C1X
D1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 3000 NOMINAL DELIVERED LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	26	GOTHAM	IVO6-D-30LM-35K-80CRI-WD-MIN10-MVOLT-WL-P	LITHONIA, HALO COMMERCIAL, MAXILUME	0.9	D1
N1X	LED WALL PACK TYPE III DISTRIBUTION 2974 NOMINAL DELIVERED LUMENS. BLACK IN COLOR. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL WITH BATTERY DRIVER.	UNIV	LED 3000K	N/A	21	LITHONIA	DSXW1LED-P3-30K-80CRI-T3M-MVOLT-SRM-PIR-E10WH-DBLXD	HE WILLIAMS, , GARDCO, MCGRAW EDISON GWC	0.9	N1X
P1	SINGLE-HEAD. TYPE IV (P2B) DISTRIBUTION LED POLE MOUNTED FIXTURE W/ HOUSESIDE SHIELD. 25' SQUARE STEEL POLE. BLACK IN COLOR. HEAD AND POLE SHALL HAVE MATCHING FINISH. 145470 & 8343 NOMINAL DELIVERED LUMENS. PROVIDE CONCRETE BASE PER DETAIL. PROVIDE BASE COVER. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL.	UNIV	LED 3000K	N/A	170	LITHONIA	DSXO-LED-P7-30K-80CRI-BLC4-MVOLT-SPA-PIR-DBLXD POLE: SSS-25-4G-DM28AS-VD-DBLXD	BEACON, MCGRAW EDISON, GARDCO	0.9	P1

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PROJECT

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NEW BUILDING
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SITE PLAN - ELECTRICAL
LIGHT FIXTURES
DESCRIPTIONS

Drawn By: FSB Checked By: KDM

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gotham | I V O™

Luminaire Type:
Catalog Number:

IVO™ 6" Round Downlight
New Construction



TRIM STYLES AND COLORS


Parabolic


Bevel

New construction housing shown. Please see page X for full set of dimensional drawings.

Flange Styles

Flanged


Flangeless


Flangeless in Millwork

Reflector Colors



QUICK SPECIFICATIONS

Feature Set

- Perfect Color™ consistency within ½-step MacAdam Ellipse
- Exceptional color rendering with 80 CRI, 90 CRI, or 95 CRI minimum
- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience
- 45° visual cut-off angle to source
- Up to 90% lumen maintenance at 55,000 hours
- Wet Location optional, covered ceiling
- Easy installation and servicing with snap-in Driver
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture
- Clean beams with soft transitions from narrow spot up to wide flood distributions
- Field changeable optics available every 5°

Distribution / Beam Angles



Superior Performance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM	50LM	60LM	70LM	80LM
Delivered Lumens	505	759	1018	1524	2024	2463	2949	3438	3889	4548	4876	5839	6519	7373
Wattage	4.9	7.3	9.8	15.0	20.5	25.2	31.4	42.8	45.1	49.3	60.6	68.4	74.9	
Lumens per Watt	103	104	104	102	99	98	95	92	91	101	99	96	95	98

*Based on 3500K MD 80CRI P AR LSS

PRODUCT FAMILY

IVO 6" Round Product Family


Downlight


Lensed IRW


Surface Cylinder

Pendant Cylinder


Wall Cylinder


Wall Adjustable Cylinder

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1 Acuity Way, Decatur, GA 30035 | P 800-705-SERV (7378) | gothamlighting.com
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d^e series

D-Series Size 1
LED Wall Luminaire

Catalog Number
Notes
Type
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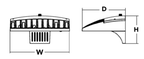
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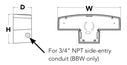
Luminaire

Width: 13-3/4" (34.9 cm) Weight: 12 lbs (5.4 kg)
Depth: 10" (25.4 cm)
Height: 6-3/8" (16.2 cm)

Back Box (BBW, E20WC)

Width: 13-3/4" (34.9 cm) BBW Weight: 5 lbs (2.3 kg)
Depth: 4" (10.2 cm) E20WC Weight: 10 lbs (4.5 kg)
Height: 6-3/8" (16.2 cm)





Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and significant energy savings, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information **EXAMPLE:** DSXW1 LED P2 40K 70CRI T3M MVOLT SRM DDBTXD

DSXW1 LED									
Series	**Lumen Package**	**CCT**		**CRI**	**Distribution**	**Voltage**	**Mounting**	**Control Options**	
DSXW1 LED	P1 2000 Lumens	27K	2700K	70CRI 70CRI	T2S Type 2 Short	MVOLT	**Shipped included**	**Shipped installed**	
	P2 2200 Lumens	30K	3000K	80CRI 80CRI [1]	T2M Type 2 Medium	120 [1]	SRM Surface-mounting bracket	PE Photoelectric cell, button type [4]	
	P3 3200 Lumens	35K	3500K	AMCRI Amber CRI	T3LG Type 3 Low Glare [2]	208 [1]	BBW Surface-mounted back box (for conduit entry) [3]	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)	
	P4 4300 Lumens	40K	4000K		T3M Type 3 Medium	240 [1]		PIR 180° motion/ambient light sensor, <15' mtg ht [4]	
	P5 5200 Lumens	50K	5000K		T4M Type 4 Medium	277 [1]		PIRH 180° motion/ambient light sensor, 15-30' mtg ht [4]	
	P6 7200 Lumens	57K	5700K		TFTM Forward Throw Medium	347 [1,6]		PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [4]	
	P7 10000 Lumens	AMBPC	Amber PC [1]		BLC3 Back Light Control Type 3 [2]	480 [1,6]		PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [4]	
		AMBLW	Amber LW [1]		BLC4 Back Light Control Type 4 [2]	HVOLT [5]		E20WC 20 Watt Emergency battery backup (includes external component enclosure), CA Title 20 Compliant [4]	
								E10WH 10 Watt Emergency battery backup (includes external component enclosure), CA Title 20 compliant [4]	

Other Options		Finish (required)					
Shipped installed		**Shipped separately** [10]		DDBXD Dark bronze	DSSTD Sandstone	DWHGXD Textured white	
SF Single fuse (120, 277 or 347V) [3,11]	BSW Bird-deterrent spikes		DBLXD Black	DDBTXD Textured dark bronze	DSSTXD Textured sandstone		
DF Double fuse (208, 240 or 480V) [3,11]	VG Vandal guard		DNAXD Natural aluminum	DBLBXD Textured black			
HS House-side shield [12]	DDL Diffused drop lens		DWHXD White	DNATXD Textured natural aluminum			
SPD Separate surge protection							

Accessories
Ordered and shipped separately.

DSXWHS U House-side shield (one per light engine)
DSXWBSW U Bird-deterrent spikes
DSXWTWG U Vandal guard accessory

NOTES

1 Only available with P1 and P6 Packages.
2 Not available with 57K.
3 Only Available with AMCRI.
4 Not available with HS Option.
5 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6 Not available with P1 package. Not available with motion/ambient light sensors (PIR or PIRH). Not Available with DMG.
7 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory. Not Available with E20WC or E10WH.
8 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
9 Reference Motion Sensor table on page 3. Not available with DMG.
10 Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with SF and DF fusing. Not available with 347, 480, HVOLT voltage options. Emergency components located in back box housing. Not available with SPD.
11 Not available with E20WC and E10WH.
12 Also available as a separate accessory; see Accessories information.

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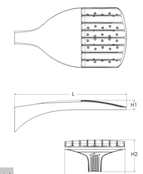

d^e series

D-Series Size 0
LED Area Luminaire

Catalog Number
Notes
Type
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA: 0.44 ft² (0.04 m²)
Length: 26.18" (66.5 cm)
Width: 14.06" (35.7 cm)
Height H1: 2.26" (5.7 cm)
Height H2: 7.46" (18.9 cm)
Weight: 23 lbs (10.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

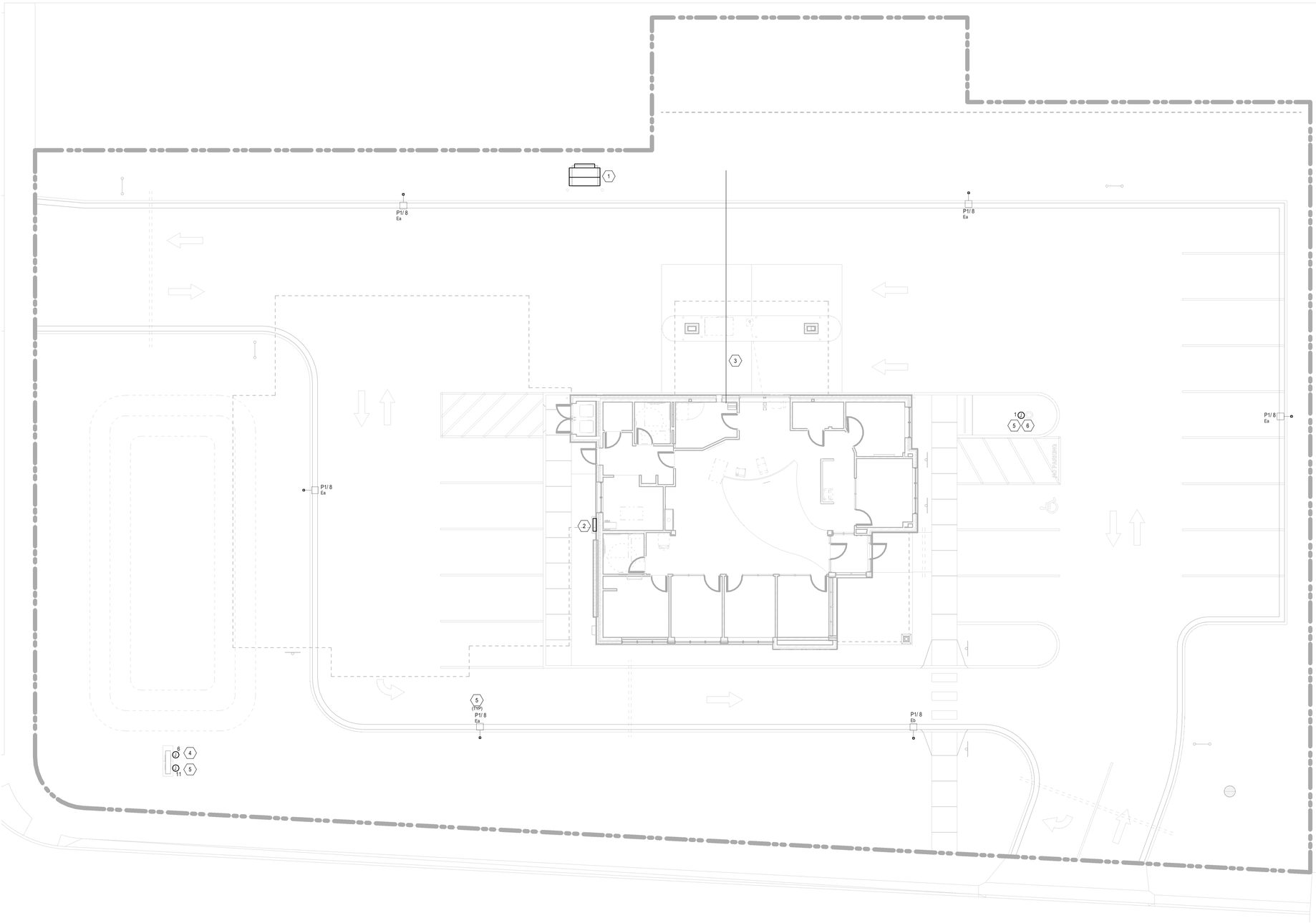
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Ordering Information **EXAMPLE:** DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED									
Series	**LEDs**	**Color temperature** [1]	**Color Rendering Index** [1]	**Distribution**		**Voltage**	**Mounting**		
DSX0 LED	**Forward optics**	(this section 70CRI only)		AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) [6]	**Shipped included**		
	P1 P5	30K 3000K	70CRI	T1S Type I short	T5LG Type V low glare	HVOLT (347V-480V) [5]	SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)		
	P2 P6	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V-480V) [5]	RPA Round pole mounting (#8 drilling, 3" min. RND pole)		
	P3 P7	50K 5000K	70CRI	T3M Type III medium	BLC1 Type IV backlight control [7]	120 [6,8]	SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) [9]		
	P4			T3LG Type III low glare [2]	BLC4 Type IV backlight control [7]	208 [6,8]	RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) [9]		
	Rotated optics	27K 2700K	80CRI	T4M Type IV medium	T4LG Type IV low glare [2]	240 [6,8]	SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole)		
	P10 [1] P12 [1]	30K 3000K	80CRI	TFTM Forward throw medium	LCCO Left corner cutoff [3]	277 [6,8]	WBA Wall bracket [10]		
	P11 [1] P13 [1]	35K 3500K	80CRI		RCCO Right corner cutoff [3]	347 [6,8]	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)		
		40K 4000K	80CRI			480 [6,8]			
		50K 5000K	80CRI						

Control options		Other options		Finish (required)	
Shipped installed	PER7 Seven-pin receptacle only (controls ordered separate) [16,17]	**Shipped installed**		DDBXD Dark Bronze	
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [11,12,15,16]	FAO Field adjustable output [13,18]	HS Houseside shield (black finish standard) [20]		DBLXD Black	
	BL30 Bi-level switched dimming, 30% [16,19]	L90 Left rotated optics [1]		DNAXD Natural Aluminum	
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [11,15,16,19]	BL50 Bi-level switched dimming, 50% [16,19]	R90 Right rotated optics [1]		DWHXD White	
	DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]	CCE Coastal Construction [21]		DDBTXD Textured dark bronze	
PER NEMA twist-lock receptacle only (controls ordered separate) [16,20]		HA 50°C ambient operation [22]		DBLBXD Textured black	
PERS Five-pin receptacle only (controls ordered separate) [16,20]		BAA Buy America(n) Act and/or Build America Buy America Qualified		DNATXD Textured natural aluminum	
		SF Single fuse (120, 277, 347V) [20]		DWHGXD Textured white	
		DF Double fuse (208, 240, 480V) [20]			
		Shipped separately			
		EGSR External Glare Shield (reversible, field install required, matches housing finish)			
		BSDB Bird Spikes (field install required)			

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GENERAL NOTES:

A. ALL SITE LIGHTING CIRCUIT CONDUCTORS SHALL BE #10'S IN 1" PVC CONDUIT. UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE.

B. ALL CONDUCTORS AND CONDUITS SHALL BE ROUTED UNDERGROUND.

C. LIGHT POLES INSTALLED NEAR CURBS SHALL BE SETBACK 30" FROM CURB TO FRONT EDGE OF CONCRETE BASE.

D. ANY EXPOSED CONDUIT SHALL BE METALLIC RIGID AND PAINTED TO BLEND WITH ADJACENT SURFACE. RIGID PVC CONDUIT IS NOT ALLOWED FOR APPLICATIONS.

E. ALL CIRCUITING SHALL BE FED FROM PANEL A UNLESS NOTED OTHERWISE.

F. PARKING LOT LIGHTING SHALL HAVE TWO CIRCUITS ROUTED TO EACH POLE HAND-HOLE. ONE SHALL BE CONTROLLED FOR PHOTOCELL ON/OFF OPERATION AND THE OTHER SHALL BE CONTROLLED FOR PHOTOCELL ON/TIMER OFF OPERATION. THIS WILL ALLOW FOR FUTURE SCHEDULING SELECTION AT EACH POLE.

KEY NOTES:

1. TRANSFORMER PROVIDED BY UTILITY. CONCRETE BOLLARDS PROVIDED BY THE CONTRACTOR.
2. PROVIDE WALL MOUNT CT CABINET. SEE E3.1 FOR MORE INFORMATION.
3. (2) 2" CONDUITS FROM COMMUNICATIONS UTILITY MPOP BOARD TO PROPERTY LINE FOR COMMUNICATIONS UTILITY CABLING. COORDINATE WITH UTILITY FOR EXACT LOCATION AT PROPERTY LINE AND REQUIREMENTS. ADJUST ROUTING AS REQUIRED.
4. CONNECT TO MONUMENT SIGN. VERIFY EXACT CIRCUIT SIZE(S), REQUIREMENTS, AND LOCATION. ROUTE (2) 1" CONDUITS FOR POWER TO PANEL AND (2) 1" CONDUITS FOR COMMUNICATIONS TO IT ROOM.
5. ROUTE THROUGH LIGHTING CONTROL RELAY(S).
6. PROVIDE CONNECTION FOR FLAG POLE LIGHT. VERIFY CONNECTION REQUIREMENTS WITH POLE SUPPLIER AND ROUTE 1" CONDUIT TO PANEL.

1 ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"

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REVISIONS	

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Matthew W. Fults

40887 — Reg No.
2026-03-27 — Date

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SITE PLAN - ELECTRICAL

Drawn By: FSB — Checked By: KDM

E0.4

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1 MAIN LEVEL PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM AN UNSWITCHED HOT CONDUCTOR.

B. ALL NORMAL CIRCUITING TO BE FED FROM PANEL A UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

C. CONTRACTOR SHALL COMPLETE AND SUBMIT LIGHTING UTILITY REBATE APPLICATIONS IF AVAILABLE WITH UTILITY. COORDINATE ALL LIGHTING REBATES WITH OWNER.

D. WHERE EXACT HEIGHTS ARE NOTED VERIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.

KEY NOTES:

1. SECURITY FIXTURE. DO NOT SWITCH. IN AREAS WITH DIMMING CONTROL CONNECT 0-10V CONTROL WIRES TO FIXTURE DRIVER FOR EQUAL LEVEL CONTROL. WHEN POWER IS OFF TO ASSOCIATED SWITCH-LEG THIS FIXTURE SHALL COME TO FULL ILLUMINATION. PROVIDE RELAY TO OPEN 0-10V CONTROL WIRES AS REQUIRED.
2. ROUTE THROUGH LIGHTING CONTROL RELAYS.
3. PROVIDE CONNECTION TO EXTERIOR BUILDING SIGNAGE. LETTERS WILL BE INDIVIDUALLY LIT. CONFIRM EXACT REQUIREMENTS AND LOCATIONS.
4. PROVIDE (1) SPDT CENTER OFF SWITCHES (OCa) FOR CONTROL OF OPEN/CLOSE SIGN. PROVIDE ENGRAVED LABEL ON SWITCH PLATE WITH SPECIFIC LOAD.
5. LIGHTING CONTROL PANEL. SEE CONTROL SCHEDULE AND SPECIFICATION FOR REQUIREMENTS.
6. LIGHTING CONTROL STATION. EACH BUTTON SHALL HAVE PRINTED BLACK ON CLEAR LABEL WITH LOAD DESCRIPTION. AT MULTI-STATION LOCATIONS MOUNT ALL UNDER SHARED COVER PLATE.
7. PROVIDE EMERGENCY INVERTER SURE-LITE #INVM-350 OR EQUAL AND MOUNT IN ACCESSIBLE LOCATION FOR EMERGENCY OPERATION OF TYPE 'B1X' LIGHT FIXTURES.
8. PROVIDE DMX/RGBW CONTROLLER FOR EXTERIOR COLOR CHANGING TAPE LIGHTING * (1*)SWITCH-LEG "ON1", VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. MOUNT LED TAPE IN BOTTOM SIDE OF ROOF EAVE TO WASH DOWN SIDE OF BUILDING. CUT FIXTURE TO LENGTH. MOUNT POWER SUPPLY IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
10. PROVIDE OCCUPANCY SENSOR WITH AUXILIARY CONTACT TO CONTROL CONVENIENCE RECEPTACLES IN SPACE. REFER TO POWER PLAN FOR RECEPTACLE LOCATIONS.

LIGHTING CONTROL SUMMARY

GENERAL NOTES:
1. IF NO CONTROL STRATEGY IS LISTED, LIGHTING CONTROLS SHALL BE MANUAL, LINE VOLTAGE (WITH 0-10 V DIMMING, WHERE SHOWN) AND CONTAIN NO AUTOMATIC FUNCTION.
2. SEE PLANS FOR TYPE, LOCATION AND QUANTITY OF SENSORS.
3. TIME SCHEDULES SHALL BE DEFINED BY THE OWNER. PROVIDE A COORDINATION MEETING WITH THE OWNER TO DETERMINE SCHEDULES.
4. ALL LIGHTING CONTROLS SHALL BE COMMISSIONED. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. THE TYPICAL SPACES LISTED IN EACH SEQUENCE ARE NOT INTENDED TO BE ALL INCLUSIVE, OR EXCLUSIVE TO ANY SPACE AND ARE LISTED AS GENERAL REFERENCE ONLY.
6. ADDITIONAL BUTTONS ARE PERMITTED TO COMPLY WITH THE CONTROL REQUIREMENTS LISTED BELOW.

LC-A	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	NONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CORRIDOR
LC-B	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	STORAGE ROOM / PRIVATE RESTROOM
LC-C	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	CLG MTD PHOTOCELL OR INTEGRAL TO WALL BOX DIMMER AS INDICATED, CONTINUOUS DIMMING
TYPICAL SPACES:	PRIVATE OFFICE WITH DAYLIGHT
LC-D	
OCC SENSOR FUNCTION:	VACANCY, MANUAL ON / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	2-BUTTON ON / OFF & RAISE / LOWER WITH 0-10V DIMMING
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	PRIVATE OFFICE WITHOUT DAYLIGHT
LC-E	
OCC SENSOR FUNCTION:	NONE
TIME-SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS.
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	TELLER, WAITING, WORK AREA, CLERESTORY
LC-F	
OCC SENSOR FUNCTION:	OCCUPANCY, AUTO ON TO 50% / AUTO OFF (CEILING OR SWITCH MOUNT SENSOR AS SHOWN)
TIME-SWITCH FUNCTION:	NONE
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	NONE
TYPICAL SPACES:	CONFERENCE ROOM
LC-G	
OCC SENSOR FUNCTION:	OCCUPANCY, 100% ON / OFF
TIME-SWITCH FUNCTION:	SCHEDULE ON DURING BUSINESS HOURS AFTER FIRST OCCUPANCY ACTIVATION. OCCUPANCY FOR 20 MINUTES AFTER HOURS.
MANUAL LTG CONTROL:	PRESET STATION W/ RAISE/LOWER CONTROL, DIMMERS PER ZONE
DAYLIGHT RESPONSE:	CEILING MOUNTED PHOTOCELL, CONTINOUS DIMMING IN DAYLIT ZONE (WHERE PRESENT)
TYPICAL SPACES:	VESTIBULE

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Matthew W. Fults

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Reg No.	Date

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MAIN LEVEL PLAN - LIGHTING

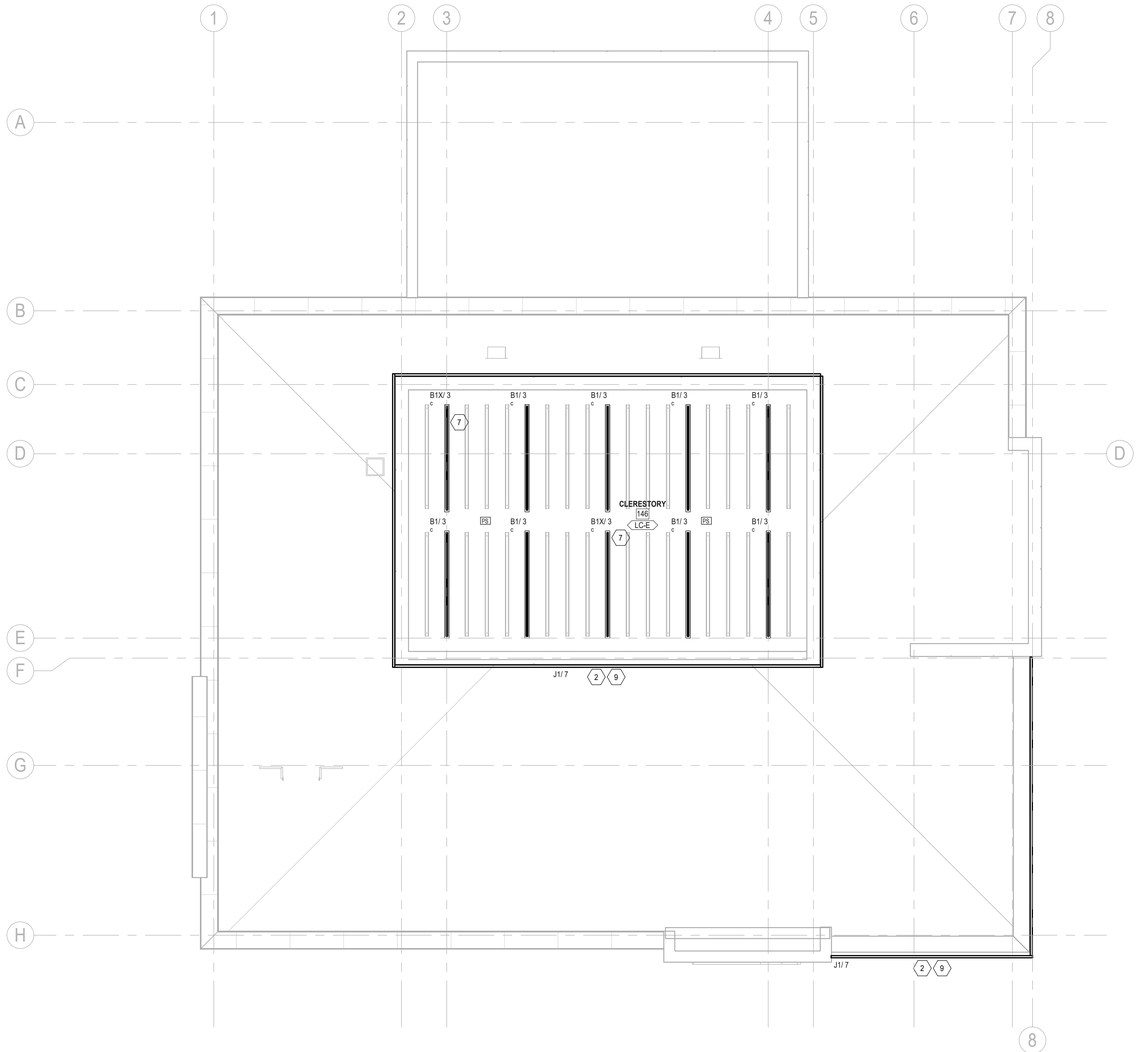
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1 CLERESTORY PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. ALL EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM AN UNSWITCHED HOT CONDUCTOR.

B. ALL NORMAL CIRCUITING TO BE FED FROM PANEL A UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

C. CONTRACTOR SHALL COMPLETE AND SUBMIT LIGHTING UTILITY REBATE APPLICATIONS IF AVAILABLE WITH UTILITY. COORDINATE ALL LIGHTING REBATES WITH OWNER.

D. WHERE EXACT HEIGHTS ARE NOTED VERIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.

KEY NOTES:

1. SECURITY FIXTURE. DO NOT SWITCH. IN AREAS WITH DIMMING CONTROL CONNECT 0-10V CONTROL WIRES TO FIXTURE DRIVER FOR EQUAL LEVEL CONTROL. WHEN POWER IS OFF TO ASSOCIATED SWITCH-LEG THIS FIXTURE SHALL COME TO FULL ILLUMINATION. PROVIDE RELAY TO OPEN 0-10V CONTROL WIRES AS REQUIRED.
2. ROUTE THROUGH LIGHTING CONTROL RELAYS.
3. PROVIDE CONNECTION TO EXTERIOR BUILDING SIGNAGE. LETTERS WILL BE INDIVIDUALLY LIT. CONFIRM EXACT REQUIREMENTS AND LOCATIONS.
4. PROVIDE (1) SPDT CENTER OFF SWITCHES (OCa) FOR CONTROL OF OPEN/CLOSE SIGN. PROVIDE ENGRAVED LABEL ON SWITCH PLATE WITH SPECIFIC LOAD.
5. LIGHTING CONTROL PANEL. SEE CONTROL SCHEDULE AND SPECIFICATION FOR REQUIREMENTS.
6. LIGHTING CONTROL STATION. EACH BUTTON SHALL HAVE PRINTED BLACK ON CLEAR LABEL WITH LOAD DESCRIPTION. AT MULTI-STATION LOCATIONS MOUNT ALL UNDER SHARED COVER PLATE.
7. PROVIDE EMERGENCY INVERTER SURE-LITE #INVM-350 OR EQUAL AND MOUNT IN ACCESSIBLE LOCATION FOR EMERGENCY OPERATION OF TYPE 'B1X' LIGHT FIXTURES.
8. PROVIDE DMX/RGBW CONTROLLER FOR EXTERIOR COLOR CHANGING COVE LIGHTING "R1Y'SWITCH-LEG "ch1", VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. MOUNT LED TAPE IN BOTTOM SIDE OF ROOF EAVE TO WASH DOWN SIDE OF BUILDING. CUT FIXTURE TO LENGTH. MOUNT POWER SUPPLY IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.

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CLERESTORY LEVEL PLAN - LIGHTING

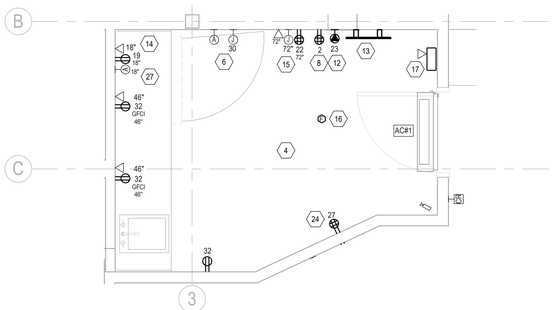
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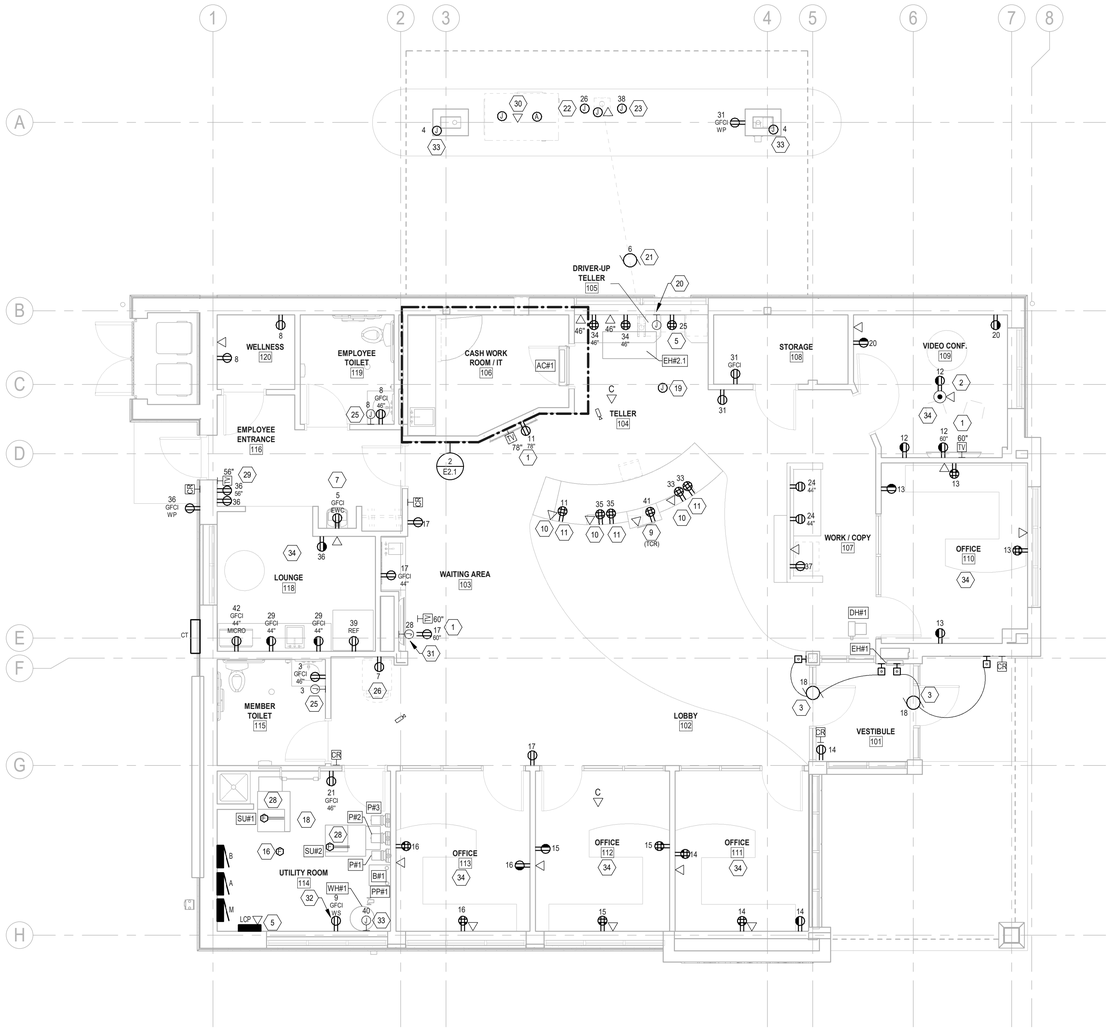
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2 CASH WORK ROOM / IT - POWER
SCALE: 3/8" = 1'-0"



1 MAIN LEVEL PLAN - POWER
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. FROM EACH VOICE/DATA AND TV OUTLET PROVIDE TWO GANG BOX W/SINGLE GANG MUDRING AND (1) 1" CONDUIT STUBBED INTO CONCEALED ACCESSIBLE CEILING SPACE.

B. FROM EACH ALARM ROUGH-IN PROVIDE J-BOX AND ROUTE (1) 3/4" CONDUIT TO ALARM HEADEND LOCATION. COORDINATE LOCATION WITH SECURITY VENDOR.

C. SEE MOTOR CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT CONNECTIONS. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.

D. EXACT LOCATION OF ELECTRICAL DEVICES MUST BE VERIFIED WITH FURNITURE SYSTEMS ACTUALLY BEING SUPPLIED BY THE OWNER SO AS NOT TO OCCUR BEHIND BASE UNITS. DO NOT USE ELECTRICAL PLANS FOR DIMENSIONING. FURNITURE SYSTEM SUPPLIER TO PROVIDE DIMENSIONS/LOCATIONS. TYPICAL ALL FURNITURE LOCATIONS.

KEY NOTES:

1. FLAT PANEL TV ROUGH-IN. PROVIDE ARLINGTON MODEL TVBS07 W/DVFR3C BLANK COVER OR EQUAL RECESSED BOX FOR POWER AND TV ROUGH-IN. PROVIDE CONTINUOUS COVER PLATE FOR DEVICES. PROVIDE BLANK INSERTS IN ANY UNUSED SECTIONS. ROUTE (1) 1" CONDUIT INTO CONCEALED ACCESSIBLE CEILING SPACE FOR LOW VOLTAGE CABLING. COORDINATE EXACT LOCATION AND HEIGHT PRIOR TO ROUGH-IN. ADJACENT RECEPTACLE DENOTED "TV" SHALL BE MOUNTED WITHIN THE SAME BOX.
2. PROVIDE FLUSH TYPE STEEL ON-GRADE RATED FLOOR BOX. EXACT LOCATION OF FLOOR OUTLET MUST BE VERIFIED WITH ARCHITECT. WIREMOLD RFB44R30 W/FPBTCxx COVER OR EQUAL. ARCHITECT SHALL CHOOSE ANY AVAILABLE FINISH DURING SHOP DRAWING REVIEW. PROVIDE (2) RFBADEC BRACKETS FOR LOW VOLTAGE DEVICES. ROUTE (1) 1" BUSHED CONDUIT FOR DATA/TELEPHONE TO TV WALL BOX FOR CABLING PROVIDED BY OTHERS.
3. ELECTRICAL DOOR OPERATOR. WIRE TWO REMOTE PUSHBUTTONS AND CONTROLLER. VERIFY ALL LOCATIONS AND REQUIREMENTS WITH GENERAL CONTRACTOR/ARCHITECT.
4. CONFIRM EXACT ROOM LAYOUT WITH OWNER PRIOR TO INSTALLING ROUGH-INS.
5. PROVIDE CONNECTION TO ELECTRIC DEAL DRAWER. COORDINATE EXACT REQUIREMENTS.
6. PROVIDE CONNECTION TO NIGHT DEPOSIT. CONFIRM EXACT REQUIREMENTS WITH BANK EQUIPMENT SUPPLIER.
7. RECEPTACLE FOR ELECTRIC WATER COOLER. MOUNT SO RECEPTACLE IS CONCEALED BEHIND BOTTOM ACCESS PANEL. FEED FROM GFCI CIRCUIT BREAKER AND LABEL RECEPTACLE.
8. PROVIDE RECEPTACLES FOR DATA RACK. COORDINATE EXACT LOCATIONS WITH OWNER.
9. PROVIDE CONNECTION FOR TCR. VERIFY EXACT LOCATION.
10. MOUNT RECEPTACLES WITHIN CABINET. COORDINATE EXACT LOCATIONS WITH GENERAL CONTRACTOR.
11. CONDUIT FOR POWER AND LOW VOLTAGE CABLING AT MILLWORK SHALL BE CONCEALED. IF CONCEALED ROUTING IS NOT FEASIBLE CONDUIT SHALL BE EMT. SURFACE ROUTED MC CABLE IS NOT ACCEPTABLE. PAINT CONDUIT AND BOXES TO MATCH SURFACE.
12. PROVIDE CONNECTION FOR OWNER VENDOR PROVIDED UPS. ROUTE # 10'S IN 3/4"CONDUIT. COORDINATE EXACT RECEPTACLE REQUIRED. MOUNT IN EQUIPMENT RACK.
13. PROVIDE GROUND BAR AT COMMUNICATIONS RACK 12"x2"x1/4" COPPER WITH ISOLATED STAND OFFS. ROUTE #6 COPPER CONDUCTOR BACK TO GROUNDING ELECTRODE SYSTEM. COORDINATE EXACT LOCATION. PROVIDE CONNECTIONS TO DATA RACKS AND CABLE TRAY.
14. PROVIDE POWER AND DATA CONNECTION FOR OWNER PROVIDED SAFE. CONFIRM EXACT LOCATION PRIOR TO ROUGH IN.
15. PROVIDE FOURPLEX RECEPTACLE AND ONE 6"x6"x4"D JUNCTION BOX FOR OWNER'S VIDEO SURVEILLANCE SYSTEM. FROM JUNCTION BOX STUB (2) 1 1/2" CONDUITS INTO CEILING SPACE FOR CABLING BY OTHERS. VERIFY LOCATIONS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.
16. PROVIDE 120V STAND ALONE SMOKE DETECTOR.
17. ALARM / SECURITY SYSTEM CONTROL PANEL BY OTHERS, VERIFY LOCATION AND ALL REQUIREMENTS. PROVIDE 3/4" TO EACH ALARM AND CARD READER POINT SHOWN. STUB (1) 1-1/2" CONDUIT INTO CEILING SPACE. COORDINATE EXACT REQUIREMENTS WITH BANK EQUIPMENTS DRAWINGS.
18. REFER TO MOTOR CONNECTION SCHEDULE FOR DUCT SMOKE DETECTOR REQUIREMENTS.
19. JUNCTION BOXES ABOVE CEILING, SEE DETAIL (3/E3.1). COORDINATE EXACT LOCATION
20. JUNCTION BOXES UNDER COUNTER, SEE DETAIL (3/E3.1)
21. PROVIDE CONNECTION ABOVE CEILING FOR BLOWER UNIT, SEE DETAIL 1/E3.1. VERIFY CONNECTION LOCATION
22. DRIVE UP CUSTOMER UNIT. PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 1/E3.1.
23. DRIVE UP VIDEO UNIT. PROVIDE WIRING AS PER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER. SEE DETAIL 3/E3.1.
24. COMMUNICATION UTILITY MPOP. ROUTE UTILITY CONDUITS FROM PROPERTY LINE TO THIS LOCATION. PROVIDE 3/4" PLYWOOD FROM FLOOR TO 8' FOR EQUIPMENT MOUNTING. PAINT WITH FIRE RETARDANT GRAY PAINT.
25. MECHANICAL CONTRACTOR TO PROVIDE AUTOMATIC FAUCET AND LOW VOLTAGE TRANSFORMER. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOXES AND MAKE ALL CONNECTIONS. COORDINATE BOX LOCATIONS AND ALL REQUIREMENTS WITH MECHANICAL CONTRACTOR.
26. PROVIDE CONNECTION FOR COIN COUNTER. CONFIRM EXACT REQUIREMENTS AND LOCATION WITH BANK EQUIPMENT SUPPLIER.
27. PROVIDE ALARM ROUGH-IN FOR SAFE AS REQUIRED. COORDINATE WITH SECURITY AND BANK EQUIPMENT VENDORS.
28. PROVIDE 120V STAND-ALONE DUCT SMOKE DETECTOR FOR FURNACE SHUTDOWN. PROVIDE ANY RELAYS NECESSARY FOR A COMPETE CONNECTION. PROVIDE SPACE AGE TECHNOLOGIES #SM-5001 OR APPROVED EQUAL.
29. PROVIDE CONNECTION FOR SECURITY MONITOR. CONFIRM EXACT LOCATION.
30. PROVIDE ROUGH-IN FOR FUTURE ATM. ROUTE (3) #10 AND (1) #10 GND IN 1 1/4" CONDUIT. PROVIDE (2) 1" CONDUITS TO ROOM 106 FOR COMMUNICATIONS AND ALARM. CONFIRM EXACT SIZE AND TO COVER CONDUITS.
31. PROVIDE CONNECTION TO FIREPLACE. CONFIRM EXACT REQUIREMENTS. PROVIDE CONTROL ROUGH-IN AT REMOTE LOCATION AS DIRECTED BY GC.
32. PROVIDE CONNECTION TO WATER SOFTENER PROVIDED BY MECHANICAL.
33. PROVIDE ELECTRIC HEAT TAPE IN ROOFDRAIN TO OUTLET. RAYCHEM #GM-1X (120V) OR EQUAL. PROVIDE RAYCHEM AMC-F5 T-STAT FOR CONTROL. MOUNT SENSOR ON ROOF. MOUNT CONTROL BOX IN ACCESSIBLE CEILING SPACE NEAR T-STAT. PROVIDE RAYCHEM E304 CONTACTOR FOR CONTROL OF MULTIPLE CIRCUIT AS REQUIRED. APPROXIMATELY 20' OF TAPE.
34. ALL RECEPTACLES IN SPACE SHALL BE SPLIT RECEPTACLES WITH TOP RECEPTACLE BEING CONTROLLED WITH ROOM OCCUPANCY SENSOR. OCCUPANCY SENSOR SHALL TURN OFF CONTROLLED RECEPTACLE 20 MINUTES AFTER NO OCCUPANCY HAS BEEN SENSED IN SPACE.

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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 2026-03-27
Reg No. Date

emanuelson-podas
consulting engineers
Emanuelson-Podas, Inc.
7705 Bush Lake Road
Edina, MN 55439
(952) 930-0050 | www.epinc.com

MAIN LEVEL PLAN - POWER

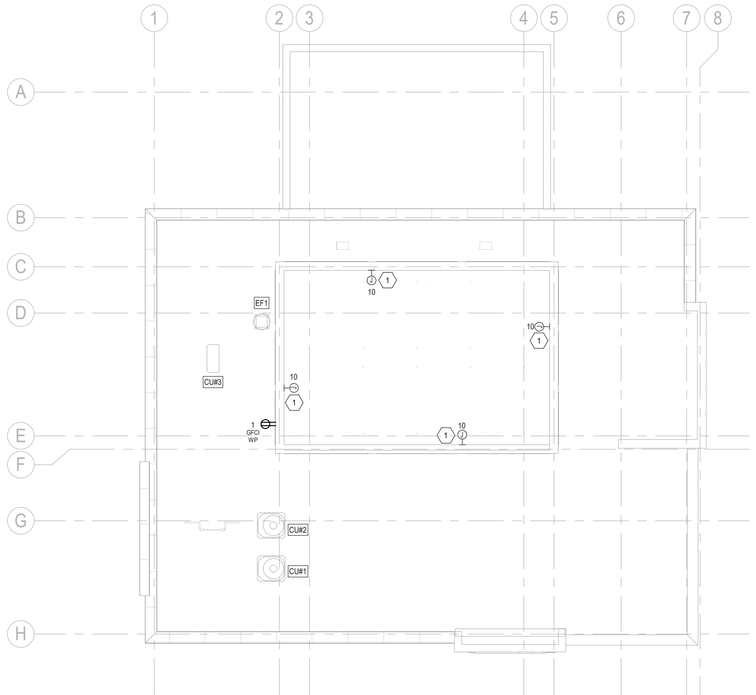
Drawn By: FSB Checked By: KDM

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1 CLERESTORY PLAN - POWER
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. SEE MOTOR CONNECTION SCHEDULE FOR MECHANICAL EQUIPMENT CONNECTIONS. SEE MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATIONS.

B. ALL CIRCUITING TO BE FED FROM PANEL B UNLESS NOTED OTHERWISE. CONTRACTOR TO DETERMINE BEST ROUTE FOR CONDUIT AND WIRING.

KEY NOTES:

1. PROVIDE CONNECTION TO POWERED WINDOW SHADE SYSTEM. COORDINATE EXACT LOCATIONS AND REQUIREMENTS. PROVIDE CONNECTION TO SHADE SYSTEM CONTROLLERS(S). PROVIDE CONNECTION AT ALL SHADE MOTOR LOCATIONS. PROVIDE ALL REQUIRED POWER AND CONTROL WIRING. INSTALL UP/DOWN CONTROLLER(S). COORDINATE EXACT LOCATION WITH ARCHITECT. ASSUME LOCATIONS IS NEAR SPACE LIGHTING CONTROL.

HTG architects

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Minneapolis Bismarck

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CLERESTORY LEVEL PLAN - POWER

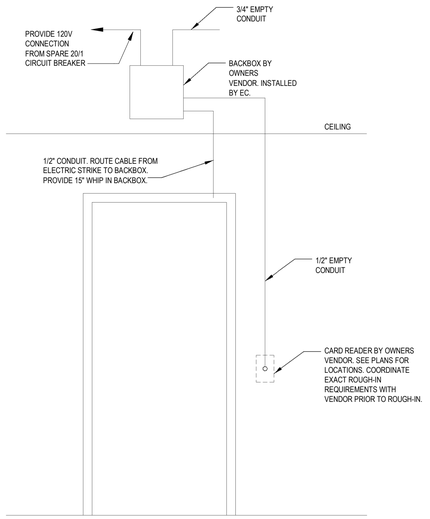
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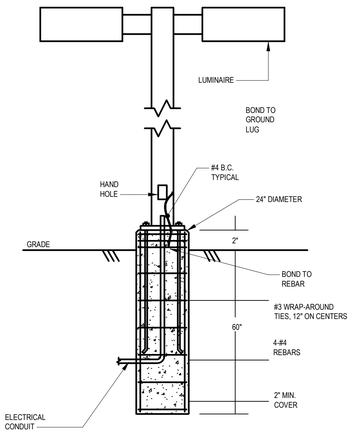
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1 CARD READER DETAIL
NO SCALE



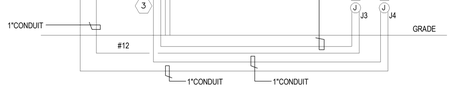
2 POLE BASE DETAIL
NO SCALE

3Ø FEEDER SCHEDULE

GENERAL NOTES:

A. APPROVED CONDUCTOR INSULATIONS: THHN/THWN, THHN/THWN-2, XHHW-2. REFER TO PROJECT SPECIFICATIONS FOR INSULATION TYPE REQUIRED WITH VARYING CONDUCTOR SIZES AND...
B. CONDUIT TYPE REQUIREMENTS VARY DEPENDING ON APPLICATION AND LOCATION OF FEEDER. REFER TO PROJECT SPECIFICATIONS FOR REQUIREMENTS.
C. NEUTRAL SHALL BE THE SAME SIZE AS THE PHASE CONDUCTOR UNLESS OTHERWISE NOTED.

	COPPER		COMPACT STRAND ALUMINUM ALLOY		
MARK (AMPACITY)	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W/ NEUTRAL) PH-GND-C	FEEDER 3W (NO NEUTRAL) PH-GND-C	FEEDER 4W (W/ NEUTRAL) PH-GND-C	MARK (AMPACITY)
20	3#12 - 1#12 GND - 3/4"C	4#12 - 1#12 GND - 3/4"C	---	---	20
30	3#10 - 1#10 GND - 3/4"C	4#10 - 1#10 GND - 3/4"C	---	---	30
40	3#8 - 1#10 GND - 3/4"C	4#8 - 1#10 GND - 1"C	---	---	40
50	3#6 - 1#10 GND - 1"C	4#6 - 1#10 GND - 1"C	---	---	50
50T	---	4#6 - 1#8 GND (SSBJ) - 1"C	---	---	50T
60	3#4 - 1#10 GND - 1"C	4#4 - 1#10 GND - 1 1/4"C	---	---	60
70	3#4 - 1#8 GND - 1 1/4"C	4#4 - 1#8 GND - 1 1/4"C	---	---	70
80	3#3 - 1#8 GND - 1 1/4"C	4#3 - 1#8 GND - 1 1/4"C	---	---	80
90	3#2 - 1#8 GND - 1 1/4"C	4#2 - 1#8 GND - 1 1/2"C	---	---	90
100	3#1 - 1#8 GND - 1 1/2"C	4#1 - 1#8 GND - 1 1/2"C	3#1/0 - 1#6 GND - 1 1/2"C	4#1/0 - 1#6 GND - 2"C	100
100P	3#3 - 1#8 GND - 1 1/4"C	4#3 - 1#8 GND - 1 1/4"C	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	100P
100T	---	4#3 - 1#6 GND (SSBJ) - 1 1/4"C	---	4#1 - 1#6 GND (SSBJ) - 1 1/2"C	100T
125	3#1 - 1#6 GND - 1 1/2"C	4#1 - 1#6 GND - 1 1/2"C	3#2/0 - 1#4 GND - 2"C	4#2/0 - 1#4 GND - 2"C	125
150	3#1/0 - 1#6 GND - 1 1/2"C	4#1/0 - 1#6 GND - 2"C	3#3/0 - 1#4 GND - 2"C	4#3/0 - 1#4 GND - 2 1/2"C	150
150T	---	4#1/0 - 1#6 GND (SSBJ) - 2"C	---	4#3/0 - 1#4 GND (SSBJ) - 2 1/2"C	150T
175	3#2/0 - 1#6 GND - 2"C	4#2/0 - 1#6 GND - 2"C	3#4/0 - 1#4 GND - 2"C	4#4/0 - 1#4 GND - 2 1/2"C	175
200	3#3/0 - 1#6 GND - 2"C	4#3/0 - 1#6 GND - 2"C	3#250 - 1#4 GND - 2 1/2"C	4#250 - 1#4 GND - 3"C	200
225	3#4/0 - 1#4 GND - 2"C	4#4/0 - 1#4 GND - 2 1/2"C	3#300 - 1#2 GND - 2 1/2"C	4#300 - 1#2 GND - 3"C	225
225T	---	4#4/0 - 1#2 GND (SSBJ) - 2 1/2"C	---	4#300 - 1#1/0 GND (SSBJ) - 3"C	225T
250	3#250 - 1#4 GND - 2-1/2"C	4#250 - 1#4 GND - 3"C	3#350 - 1#2 GND - 3"C	4#350 - 1#2 GND - 3"C	250
300	3#350 - 1#4 GND - 3"C	4#350 - 1#4 GND - 3"C	3#500 - 1#2 GND - 3"C	4#500 - 1#2 GND - 3-1/2"C	300
400	3#500 - 1#3 GND - 3"C	4#500 - 1#3 GND - 3-1/2"C	3#750 - 1#1 GND - 3-1/2"C	4#750 - 1#1 GND - 4"C	400
400P	(2 SETS) 3#350 - 1#3 GND - 2"C	(2 SETS) 4#3/0 - 1#3 GND - 2 1/2"C	(2 SETS) 3#250 - 1#1 GND - 2 1/2"C	(2 SETS) 4#250 - 1#1 GND - 3"C	400P
400T	---	(2 SETS) 4#3/0 - 1#1/0 GND (SSBJ) - 2 1/2"C	---	(2 SETS) 4#250 - 1#1/0 GND (SSBJ) - 3"C	400T
500	(2 SETS) 3#250 - 1#2 GND - 2 1/2"C	(2 SETS) 4#250 - 1#2 GND - 3"C	(2 SETS) 3#350 - 1#1/0 GND - 3"C	(2 SETS) 4#350 - 1#1/0 GND - 3"C	500
500T	---	(2 SETS) 4#250 - 1#1/0 GND (SSBJ) - 3"C	---	(2 SETS) 4#350 - 1#3/0 GND (SSBJ) - 3"C	500T
600	(2 SETS) 3#350 - 1#1 GND - 3"C	(2 SETS) 4#350 - 1#1 GND - 3"C	(2 SETS) 3#500 - 1#2/0 GND - 3"C	(2 SETS) 4#500 - 1#2/0 GND - 3 1/2"C	600
800	(2 SETS) 3#500 - 1#1/0 GND - 3"C	(2 SETS) 4#500 - 1#1/0 GND - 3-1/2"C	(2 SETS) 3#750 - 1#3/0 GND - 3 1/2"C	(2 SETS) 4#750 - 1#3/0 GND - 4"C	800
800P	(3 SETS) 3#300 - 1#1/0 GND - 2 1/2"C	(3 SETS) 4#300 - 1#1/0 GND - 3"C	(3 SETS) 3#400 - 1#3/0 GND - 3"C	(3 SETS) 4#400 - 1#3/0 GND - 3 1/2"C	800P
800T	---	(3 SETS) 4#300 - 1#2/0 GND (SSBJ) - 3"C	---	(3 SETS) 4#400 - 1#4/0 GND (SSBJ) - 3 1/2"C	800T
1000	(3 SETS) 3#400 - 1#2/0 GND - 3"C	(3 SETS) 4#400 - 1#2/0 GND - 3"C	(3 SETS) 3#600 - 1#4/0 GND - 3 1/2"C	(3 SETS) 4#600 - 1#4/0 GND - 4"C	1000
1000T	---	(3 SETS) 4#400 - 1#3/0 GND (SSBJ) - 3 1/2"C	---	(3 SETS) 4#600 - 1#250 GND (SSBJ) - 4"C	1000T
1200	(4 SETS) 3#350 - 1#3/0 GND - 3"C	(4 SETS) 4#350 - 1#3/0 GND - 3"C	(4 SETS) 3#500 - 1#250 GND - 3"C	(4 SETS) 4#500 - 1#250 GND - 3 1/2"C	1200
1600	(5 SETS) 3#400 - 1#4/0 GND - 3"C	(5 SETS) 4#400 - 1#4/0 GND - 3 1/2"C	(5 SETS) 3#600 - 1#350 GND - 3"C	(5 SETS) 4#600 - 1#350 GND - 4"C	1600
1600T	---	(5 SETS) 4#400 - 1#250 GND (SSBJ) - 3 1/2"C	---	(5 SETS) 4#600 - 1#400 GND (SSBJ) - 4"C	1600T
2000	(6 SETS) 3#400 - 1#250 GND - 3"C	(6 SETS) 4#400 - 1#250 GND - 3 1/2"C	(6 SETS) 3#600 - 1#400 GND - 3-1/2"C	(6 SETS) 4#600 - 1#400 GND - 4"C	2000



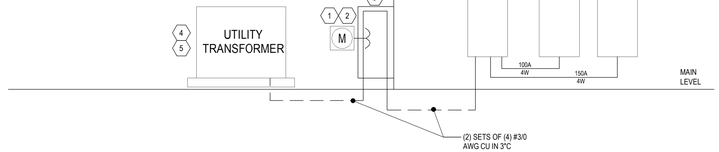
TYPICAL FOR ONE (1) DRIVE UP CUSTOMER UNIT. TWO 20A, 120V CIRCUITS REQUIRED FOR EACH UNIT, 2 CIRCUITS TOTAL.

VERIFY ALL CONDUIT, POWER, AND LOCATION REQUIREMENTS WITH BANK EQUIPMENT SUPPLIER PRIOR TO ANY WORK. PROVIDE PULLSTRINGS IN ALL EMPTY CONDUIT.

DETAIL KEY NOTES:

1. DRIVE UP CUSTOMER UNIT, PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER.
2. JUNCTION BOXES ABOVE CEILING.
3. JUNCTION BOXES UNDER COUNTER.
4. PROVIDE CONNECTION ABOVE CEILING FOR BLOWER UNIT.
5. DRIVE UP VIDEO UNIT, PROVIDE WIRING AS PER RISER DIAGRAM. VERIFY WITH BANK EQUIPMENT SUPPLIER.

3 DRIVE UP EQUIPMENT RISER DETAIL
NO SCALE



4 ELECTRICAL RISER DIAGRAM
NO SCALE

RISER GENERAL NOTES:

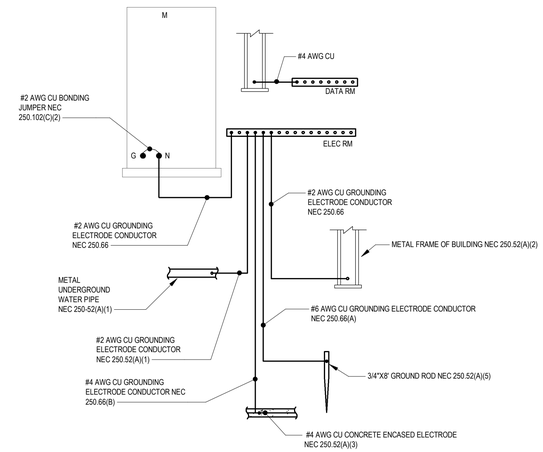
A. FEEDERS SHALL BE 4 WIRE (4W) UNLESS DENOTED WITH "3W" WHICH SHALL BE 3 WIRE(3W) ALL FEEDERS SHALL HAVE EQUIPMENT GROUND CONDUCTOR.
B. VERIFY ALL UTILITY REQUIREMENTS WITH UTILITY PRIOR TO INSTALLATION

KEY NOTES:

1. METER SOCKET, ENCLOSURE AND CONDUIT FOR CT WIRING PROVIDED BY CONTRACTOR.
2. METER CT'S AND CT WIRING PROVIDED BY THE ELECTRICAL UTILITY.
3. PROVIDE WALL MOUNT CT CABINET. VERIFY REQUIREMENTS WITH UTILITY.
4. TRANSFORMER PROVIDED BY UTILITY.
5. TRANSFORMER CONCRETE PAD AND BOLLARDS PROVIDED BY THE CONTRACTOR.

GENERAL NOTES:

A. ALL GROUNDING ELECTRODE CONDUCTORS PENETRATING THROUGH FOUNDATION WALL OR BASEMENT INTERIOR FLOOR SLAB SHALL BE TRANSITIONED TO SOLID ROD A MINIMUM OF 2'-0" TO EITHER SIDE OF WATERPROOFING MEMBRANE TO ALLOW FOR HEAT WELD BY WATERPROOFING CONTRACTOR.



5 MAIN BUILDING GROUNDING ELECTRODE SYSTEM
NO SCALE

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ELECTRICAL DETAILS

Drawn By: FSB Checked By: KDM

E3.1

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Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction
Project No:	93449
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

Felipe Soares
Emanulson-Podas, Inc
Edina , Minnesota 55439
952-930-0050
fsoares@epinc.com

Notes:

Building Area

Description	Floor Area
1-Office (Office) : Nonresidential	2785

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

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fsoares@epinc.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Bank Building (Bank:Banking Activity Area)	2785	0.61	
Total Allowed Watts:			1782

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Bank Building (Bank:Banking Activity Area)			
A1: A1: LED:	31	16	496
A1X: A1X: LED:	9	16	144
B1: B1: LED:	8	48	384
B1X: B1X: LED:	2	48	96
C2: C2: LED:	1	15	15
E1: E1: LED:	2	2	4
F1: F1: LED:	3	25	75
G1: G1: LED:	1	35	35
G1X: G1X: LED:	1	35	35
Total Proposed Watts:			1284

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Bank Building (Bank:Banking Activity Area)	
A1: A1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
A1X: A1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
B1: B1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)

Fixture	Lighting Control
B1X: B1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
C2: C2: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
E1: E1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
F1: F1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
G1: G1: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)
G1X: G1X: LED:	Local Control, Restricted Manual On, Auto Full Off(50%)

Interior Lighting PASSES: Design 28% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Felipe Soares - Electrical Designer — Felipe Soares — 03/27/2026

Name - Title **Signature** **Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	MAYO EMPLOYEES FEDERAL CREDIT UNION
Location:	La Crosse, Wisconsin
Climate Zone:	5a
Project Type:	New Construction
Exterior Lighting Zone:	High activity metropolitan commercial district (LZ4)

Construction Site:

605 West Ave S.
La Crosse , Wisconsin 54601

Owner/Agent:

Mayo Employees Federal Credit Union

Wisconsin

Designer/Contractor:

Felipe Soares
Emanulson-Podas, Inc
Edina , Minnesota 55439
952-930-0050
fsoares@epinc.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
Ext Area -Parking Lot (Parking area)	15910 ft2	0.08	No	1272.8
Ext Area - Drive Lane (ATM/Night depository location) (c)	2 machines	45.00	No	90.0
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface)	30 ft2	0.15	No	4.5
Ext Area - Main Entry (Entry canopy)	253 ft2	0.40	No	101.2
Total Tradable Watts (a):				1374
Base Site Allowance (b):				900
Total Allowed Watts:				2400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Ext Area -Parking Lot (Parking area, 15910 ft2); Tradeable Wattage				
P1: P1: LED:	0	6	170	1020
Ext Area - Drive Lane (ATM/Night depository location, 2 machines); Tradeable Wattage				
D1: D1: LED:	0	12	26	312
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface, 30 ft2); Tradeable Wattage				
N1X: N1X: LED:	0	1	21	21
Ext Area - Main Entry (Entry canopy, 253 ft2); Tradeable Wattage				
C1: C1: LED:	0	3	15	45
C1X: C1X: LED:	0	2	15	30

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Total Tradable Proposed Watts:				1095

Proposed Exterior Lighting Controls

Fixture	Lighting Control
Ext Area -Parking Lot (Parking area, 15910 ft2)	
P1: P1: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Drive Lane (ATM/Night depository location, 2 machines)	
D1: D1: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Emp ENtrance (Illuminated area of facade wall or surface, 30 ft2)	
N1X: N1X: LED:	Daylight Shutoff, Facade or Landscape
Ext Area - Main Entry (Entry canopy, 253 ft2)	
C1: C1: LED:	Daylight Shutoff, Facade or Landscape
C1X: C1X: LED:	Daylight Shutoff, Facade or Landscape

Exterior Lighting PASSES: Design 50% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Felipe Soares - Electrical Designer — Felipe Soares — 03/27/2026

Name - Title **Signature** **Date**

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 100% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C406 [PR9]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C103.2 [PR4]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C103.2 [PR8]1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults

40887 — 2026-03-27
Reg No. — Date

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ENERGY COMPLIANCE FORMS

Drawn By: FSB Checked By: KDM

E3.2

3392.0002

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Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22]¹	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.7 [EL28]¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.7 [EL26]¹	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.8 [EL27]¹	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2, E4.1
C405.9.1, C405.9.2 [EL28]¹	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29]¹	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2
C405.1.1 [EL30]¹	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31]¹	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E2.1, E2.2
C405.2.1, C405.2.1.1 [EL18]¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.1.2 [EL19]¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.3 [EL20]¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.2, C405.2.2.1 [EL21]¹	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23]¹	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4
C405.2.5 [EL27]¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.5.1 [FI19]¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Exterior Lighting fixture schedule for values*
C408.1.1 [FI57]¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5 [FI16]¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33]¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Location on plans/spec:** E1.1, E1.2, E3.2, E3.3, E3.4

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	

DATE	NO	

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

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E3.3

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LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

A. CATALOG NUMBER INDICATES BASIC FIXTURE TYPE REQUIRED FOR THIS PROJECT AND MAY NOT BE COMPLETE. VERIFY WITH MANUFACTURER TO INCLUDE ALL OPTIONS AND ACCESSORIES REQUIRED FOR THIS INSTALLATION.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING, AND REQUIREMENTS WITH ARCHITECTURAL PLANS, SECTIONS, ELEVATIONS, AND REFLECTED CEILING PLANS PRIOR TO ORDERING FIXTURES.
C. ALL FINISHES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING FIXTURES. FINISH SELECTION TO BE FROM MANUFACTURER'S STANDARD FINISHES UNLESS NOTED OTHERWISE. FINISHES SHALL BE VERIFIED AT THE TIME OF SHOP DRAWING SUBMITTAL.
D. SEE SPECIFICATIONS FOR EXTRA MATERIALS REQUIRED FOR LIGHT FIXTURES.
E. COORDINATE THE COMPATIBILITY OF DIMMING WITH SPECIFIED CONTROLS. DIMMING SHALL BE ACCOMPLISHED WITH NO VISIBLE FLICKER.
F. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
G. EQUALS ARE ACCEPTABLE AND WILL BE REVIEWED AS PART OF THE SHOP DRAWING PROCESS.

FIXTURE NOTES:

1. MOUNT FIXTURE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.
2. COORDINATE MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FINAL INSTALL.
3. ROUTE FIXTURE THROUGH EMERGENCY INVERTER FOR EMERGENCY OPERATION.

TYPE	DESCRIPTION	VOLT	LAMPS		VA / FIXT.	MANUFACTURER	CATALOG NUMBER	EQUAL MANUFACTURERS	NOTES	TYPE
			TYPE	QTY / FIXT.						
A1	2X2 RECESSED FLAT PANEL LED, 2000 NOMINAL LUMENS, 35K, DIMMABLE TO 1%, ACRYLIC LENS.	UNIV	LED 3500K	N/A	16	LITHONIA	CPX-2X2-2000LM-80CRI-35K-SWL-MIN10-MVOLT	COLUMBIA #LTSE, METALUX #24RDI, DAYBRITE #CFS24		A1
A1X	SAME AS A1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	16	LITHONIA				A1X
B1	SUSPENDED LINEAR INDIRECT/DIRECT LIGHT FIXTURE. 400 LUMENS UP/400 LUMENS DOWN. TUNABLE WHITE 90CRI. PROVIDE ADJUSTABLE AIRCRAFT CABLE AND MOUNT BOTTOM OF FIXTURE	UNIV	LED 3500K	N/A	48	AXIS LIGHTING	TB4DILED-400-400-90-35-TW2750-SO-SO-8-W-UNV-DPTW-1	FOCAL POINT, ALW, AXIS		B1
B1X	SAME AS B1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	48	AXIS LIGHTING				B1X
C1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 1500 NOMINAL LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO6-D-15LM-35K-80CRI-MD-MIN10-MVOLT	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #CSRDL		C1
C1X	SAME AS C1 WITH BATTERY DRIVER.	UNIV	LED 3500K	N/A	15	GOTHAM				C1X
C2	4" LED DOWNLIGHT. MEDIUM DISTRIBUTION, PARABLOCI TRIM, CLEAR ANODIZED, SEMI SPECULAR, 1486 NOMINAL DELIVERED LUMENS. 0-10V DIMMING DRIVER. IC RATED.	UNIV	LED 3500K	N/A	15	GOTHAM	IVO4-D-15LM-35K-80CRI-MD-MIN10-MVOLT-P-AR-LSS	PRESCOLITE #LFR-6RD, HALO #HC6, LIGHTOLIER #CSRDL		C2
D1	6" LED DOWNLIGHT. DIFFUSE REFLECTOR. 3000 NOMINAL DELIVERED LUMENS. INDIVIDUAL DIODES SHALL NOT BE VISIBLE. DAMP LOCATION RATED. FIXTURE SHALL HAVE NO GAP BETWEEN REFLECTOR AND LED ENGINE.	UNIV	LED 3500K	N/A	26	GOTHAM	IVO6-D-30LM-35K-80CRI-WD-MIN10-MVOLT-WL-P	LITHONIA, HALO COMMERCIAL, MAXILUME		D1
E1	EXIT SIGN, BACK MOUNTED, SINGLE FACE, HIGH IMPACT THERMOPLASTIC, RED LETTERING, WHITE FINISH. SEE PLANS FOR ARROW REQUIREMENTS.	UNIV	LED	N/A	2	LITHONIA	LQM-S-W-RG-MVOLT	DUALLITE #LE, LITHONIA #LRP, LIGHTALARMS #SLEDN		E1
F1	27" DECORATIVE PENDANT FIXTURE. DIRECT AND INDERECT LIGHT, EXTRUDED ALUMINIUM HOUISING. EXTRUDED POLYCARBONATE DIFFUSER. IP20	UNIV	LED 3000K	N/A	25	PANZERI	ZERO SQUARE	NONE ALLOWED	2	F1
G1	4' LED STRIP LIGHT WITH DIFFUSED LENS. 4391 NOMINAL DELIVERED LUMENS. PROVIDE HARDWARE FOR CHAIN MOUNTING.	UNIV	LED 3500K	N/A	35	LITHONIA	BLWP--40L-ADP-MVOLT-GZ10-LP835	DAYBRITE #FSS, LITHONIA #ZL1N, METALUXRSNLED	1	G1
G1X	SAME AS G1 WITH BATTERY DRIVER	UNIV	LED 3500K	N/A	35	LITHONIA			1	G1X
J1	LED RGBW TAPELIGHT. PROVIDE LENGTHS AS NOTED. 232 LUMENS PER FOOT. PROVIDE SURFACE MOUNT ALUMINUM CHANNEL AND DIFFUSED LENS. PROVIDE 0-10V POWER SUPPLY. PROVIDE ALL REQUIRED ACCESSORIES FOR PROPER MOUNTING AND INSTALLATION. IP68 RATED.PROVIDE WITH DMX DRIVERS AND CONTROLS.	UNIV	LED 3500K	N/A	6	ACCLAIM	FLEXSE-35 W/ FLX477 CHANNEL AND FLXLP FL4 LENS	Q-TRAN, KELVIX, ACOLYTE		J1
K1	EXTERIOR LED WALL SCONCE. ALUMINUM CONSTRUCTION. WET LOCATION LISTED. IP66 RATED.	UNIV	LED	N/A	500	SUPPLIED BY OWNER - INSTALLED BY EC				K1
K2	ATM SIGN FURNISHED BY OWNER, INSTALLED BY EC.	120	LED	N/A	500	SUPPLIED BY OWNER - INSTALLED BY EC				K2
N1X	LED WALL PACK TYPE III DISTRIBUTION 2974 NOMINAL DELIVERED LUMENS. BLACK IN COLOR. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL WITH BATTERY DRIVER.	UNIV	LED 3000K	N/A	21	LITHONIA	DSXW1LED-P3-30K-80CRI-T3M-MVOLT-SRM-PIR-E10WH-DBLXD	HE WILLIAMS, ,GARDCO, MCGRAW EDISON GWC		N1X
P1	SINGLE-HEAD, TYPE IV (P28) DISTRIBUTION LED POLE MOUNTED FIXTURE W/ HOUSESIDE SHIELD, 25' SQUARE STEEL POLE. BLACK IN COLOR. HEAD AND POLE SHALL HAVE MATCHING FINISH. 146470 & 8343 NOMINAL DELIVERED LUMENS. PROVIDE CONCRETE BASE PER DETAIL. PROVIDE BASE COVER. PROVIDE WITH INTEGRAL HI/LOW OCCUPANCY SENSOR FOR 50% LEVEL CONTROL.	UNIV	LED 3000K	N/A	170	LITHONIA	DSX0-LED-P7-30K-80CRI-BLC4-MVOLT-SPA-PIR-DBLXD POLE: SSS-25-4G-DM28AS-VD-DBLXD	BEACON, MCGRAW EDISON, GARDCO		P1

MOTOR SCHEDULE

ABBREVIATIONS:

MAG - MAGNETIC, HOA - HAND/OFF/AUTOMATIC, SS - START/STOP, TT - THERMAL TOGGLE, PB - PUSHBUTTON, START - STARTER, EMS - ENERGY MANAGEMENT SYSTEM, BAS - BUILDING AUTOMATION SYSTEM, F.A. - FIRE ALARM, DSD - DUCT SMOKE DETECTOR, MFR - MANUFACTURER, OATS - OUTSIDE AIR TEMPERATURE SENSOR

GENERAL NOTES:

A. CONFIRM ALL CONNECTIONS TO MECHANICAL EQUIPMENT WITH SHOP DRAWINGS PRIOR TO ROUGH-IN.
B. DISCONNECTS SHALL NOT BE MOUNTED DIRECTLY TO MECHANICAL EQUIPMENT.
C. ALL FEEDERS TO MECHANICAL EQUIPMENT SHALL BE COPPER.

NOTES:

1. PROVIDE SINGLE POLE, 30A CONTACTOR W/24V CONTROL COIL FOR CONTROL VIA DIV 23 CONTROLLER.
2. SPLIT SYSTEM CIRCUIT SHALL BE ROUTED FROM THE PANEL/CIRCUIT BREAKER THROUGH THE OUTDOOR UNIT (CU#3) TO THE INDOOR UNIT (AC#1).
3. PROVIDE TOGGLE SWITCH ABOVE ACCESSIBLE CEILING SPACE FOR DISCONNECT AND LABEL.
4. PROVIDE 20A RELAY W/24V COIL FOR CONTROL VIA DIV 23 T-STAT. LINE-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIVISION 26. LOW-VOLTAGE WIRING AND TERMINATIONS PROVIDED BY DIV 23.
5. PROVIDE RELAY FOR FAN SHUTDOWN UPON ACTIVATION OF DUCT SMOKE DETECTOR. MOUNT DETECTOR IN RETURN DUCTWORK. PROVIDE REMOTE TEST SWITCH. VERIFY LOCATION WITH AHJ.
6. PROVIDE TOGGLE SWITCH AT UNIT FOR DISCONNECT.
7. ROUTE POWER THROUGH SPEED CONTROLLER SWITCH BY DIV 23. MOUNT IN CEILING SPACE. FOR BALANCING PURPOSES ONLY.
8. ROUTE POWER THROUGH LIGHTING CONTROL PANEL RELAY. PROGRAM TIME OF DAY TO OWNERS REQUIREMENTS.
9. PROVIDE NEMA 3R DISCONNECT ADJACENT THE UNIT. DO NOT INSTALL DIRECTLY ON THE CONDENSING UNIT.
10. PROVIDE 3-POLE, 30A CONTACTOR W/208V CONTROL COIL FOR CONTROL VIA DIVISION 23 PROGRAMMABLE LINE-VOLTAGE T-STAT FOR CONTROL OF DH-1.
11. FAN SHALL BE CONTROLLED WITH LIGHTING IN ROOM. PROVIDE ADDITIONAL POWER PACK OR INTERFACE TO LIGHTING CONTROLS AS REQUIRED. FAN SHALL COME ON WITH EITHER SWITCHLEG WHERE APPLICABLE. FAN SHALL OPERATE FOR 15 MINUTES (ADJ.) AFTER LIGHTS ARE TURNED OFF.

MOTOR NO.	LOCATION		KW	UNIT FLA	UNIT HP	UNIT MCA	VOLTS	PHASE	STARTER				DISC FU/SW	DISC BY	CONTROL DEVICE			INTERLOCK			PANEL	CIRCUIT	BREAKER	FEEDER PH-G-C	NOTES	MOTOR NO.
	ROOM NAME	ROOM NO							TYPE	SIZE	LOC	BY			DEVICE	FURNISHED BY	WIRED BY	DEVICE	FURNISHED BY	WIRED BY						
BOILER - GAS SCHEDULE																										
B#1			0.48	4	- -	5	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	4	15	12-12-1/2"	6	B#1
COIL - ELECTRIC SCHEDULE																										
DH#1			4	11.1		13.9	208	3	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	DIV 23	DIV 26	- -	- -	- -	M	32,34,36	25	12-12-1/2"	10	DH#1
CONDENSING UNIT - AIR COOLED SCHEDULE																										
CU#1	ROOF	- -	3.5	16.7		20.9	208	1	- -	- -	- -	- -	WP NF/60	DIV 26	T-STAT (VIA SU#1)	DIV 23	DIV 23	- -	- -	- -	M	20,22	35	8-10-3/4"	9	CU#1
CU#2	ROOF	- -	3.5	16.7		15.5	208	1	- -	- -	- -	- -	WP NF/60	DIV 26	T-STAT (VIA SU#2)	DIV 23	DIV 23	- -	- -	- -	M	15,17	35	8-10-3/4"	9	CU#2
CU#3	ROOF	- -	2.6	12.8		16	208	1	- -	- -	- -	- -	WP NF/30	DIV 26	T-STAT (VIA AC-1)	DIV 23	DIV 23	AC-1	DIV 26	DIV 26	M	27,29	30	10-10-3/4"	2, 9	CU#3
FAN SCHEDULE																										
EF1	ROOF	- -	0.312	1.5	1/6	1.9	208	1	- -	- -	- -	- -	INTEGRAL	MFR	OCCUPANCY	DIV 26	DIV 26	- -	- -	- -	M	10,12	15	12-12-1/2"	11	EF1
FURNACE - GAS FIRED SCHEDULE																										
SU#1			1.2	10.1		10.9	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 23	DSD	DIV 26	DIV 26	M	7	25	12-12-1/2"	5, 6	SU#1
SU#2			0.76	6.3		7	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 23	DSD	DIV 26	DIV 26	M	6	20	12-12-1/2"	5, 6	SU#2
PLUMBING PUMP SCHEDULE																										
PP#1			0.09	0.74		0.9	120	1	- -	- -	- -	- -	TOGGLE	DIV 26	LCP	DIV 26	DIV 26	- -	- -	- -	M	1	15	12-12-1/2"	8	PP#1
PUMP SCHEDULE																										
P#1			0.252	2.1	1/6	2.6	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	2	20	12-12-1/2"	1	P#1
P#2			0.168	1.4	1/12	1.75	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	3	20	12-12-1/2"	1	P#2
P#3			0.168	1.4	1/12	1.75	120	1	RELAY	- -	UNIT	DIV 26	TOGGLE	DIV 26	CONTROLLER	DIV 23	DIV 23	- -	- -	- -	M	5	20	12-12-1/2"	1	P#3
RADIANT PANEL SCHEDULE - ELECTRIC																										
EH#2.1			0.75	3.6		4.5	208	1	- -	- -	- -	- -	TOGGLE	DIV 26	T-STAT	DIV 23	DIV 26	- -	- -	- -	M	14,16	20	12-12-1/2"	3, 4	EH#2.1
SPLIT SYSTEM COOLING INDOOR UNIT SCHEDULE																										
AC#1			0.03	0.1		16	208	1	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	DIV 23	DIV 23	CU#3	DIV 26	DIV 26	M	27,29	20	12-12-1/2"	2	AC#1
UNIT HEATER SCHEDULE - ELECTRIC																										
EH#1			2	9.6	- -	0	208	1	- -	- -	- -	- -	INTEGRAL	MFR	T-STAT	MFR	MFR	OATS	DIV 23	DIV 26	M	19,21	20	12-12-1/2"		EH#1
WATER HEATER - ELECTRIC SCHEDULE																										
WH#1			4	19.2		24	208	1	- -	- -	- -	- -	NF/30	DIV 26	- -	- -	- -	- -	- -	- -	M	23,25	25	10-10-3/4"		WH#1

LIGHTING CONTROL SCHEDULE

RELAY #	PANEL / CKT NO.	VOLTAGE	CONTROL	DESCRIPTION	NOTES
1	A/8	120	EXTERIOR PHOTOSENSOR	PARKING LOT - SECURITY LIGHTING "Ea"	1,3
2	A/9	120	EXTERIOR PHOTOSENSOR	PARKING LOT "Eb"	1,2,3
3	A/4	120	EXTERIOR PHOTOSENSOR	DRIVE THRU CANOPY SECURITY LIGHTING "Ec"	1,3
4	A/4	120	EXTERIOR PHOTOSENSOR/SCHEDULE	DRIVE THRU CANOPY LIGHTING "Ed"	1,2,3
5	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR CANOPY LIGHTING "Ee"	1,2,3
6	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR CANOPY SECURITY LIGHTING "Ef"	1,2,3
7	A/5	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR ENTRANCE COLOR TAPE LIGHT	2
8	A/1	120	EXTERIOR PHOTOSENSOR/SCHEDULE	FLAG LIGHTS	1,3
9	A/6	120	EXTERIOR PHOTOSENSOR/SCHEDULE	MONUMENT SIGN	1,3
10	A/2	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR BUILDING SIGNAGE	1,2,3
11	A/9	120	EXTERIOR PHOTOSENSOR/SCHEDULE	EXTERIOR BUILDING SIGNAGE	1,2,3
12	M/1	120	SCHEDULE	PPH1	2
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

NOTES:
1. PROGRAM CONTROL PANEL TO TURN FIXTURES ON AT DUSK VIA PHOTOCELL.
2. PROGRAM TIMECLOCK TO TURN FIXTURES ON THEN OFF AT PRE-SET SCHEDULE. COORDINATE W/OWNER.
3. PROGRAM CONTROL PANEL TO TURN FIXTURES OFF AT DAWN VIA PHOTOCELL.
4. PROGRAM TIMECLOCK TO TURN FIXTURES OFF AT PRE-SET SCHEDULE. COORDINATE W/OWNER.
5. MESSAGE CENTER CIRCUIT(S) SHALL NOT BE CONTROLLED WITH RELAY.
6. RELAY TO BE CONTROLLED WITH LIGHTING CONTROL STATION.

LIGHTING CONTROL COMMISSIONING

PROVIDE FUNCTIONAL TESTING AND DOCUMENTATION FOR ALL LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS TO MEET THE REQUIREMENTS OF 2024 MN ENERGY CODE. LIGHTING CONTROLS SUPPLIER SHALL BE RESPONSIBLE TO PROVIDE A REPRESENTATIVE WHO WILL PERFORM THIS SCOPE OF SERVICE.ALL TIMING SHALL MEET CODE MINIMUM REQUIREMENTS AND BE ADJUSTED AS REQUESTED BY OWNER.UPON COMPLETION PROVIDE DOCUMENTATION TO AUTHORITY HAVING JURISDICTION AS REQUESTED.

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING
605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS
DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Matthew W. Fults
40887 2026-03-27
Reg No. Date

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ELECTRICAL SCHEDULES

Drawn By: FSB Checked By: KDM

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PANEL: M

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 400 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: 400 A | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 35,000 A

NOTES:

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	PP#1	15	1	90	252					1	20	P#1	2
3	P#2	20	1			168	480			1	15	B#1	4
5	P#3	20	1					168	760	1	20	SU#2	6
7	SU#1	20	1	1200	--					1	--	SPACE ONLY	8
9							312			2	15	EF1	10
11									312	--	--	--	12
13					375					2	20	EH#2.1	14
15	CU#2	35	2			1750	375			--	--	--	16
17	--	--	--					1750					18
19	EH#1	20	2	1000	1750					2	35	CU#1	20
21	--	--	--			1000	1750			--	--	--	22
23	WH#1	25	2					4000					24
25	--	--	--	4000	3998					3	200	PANEL A	26
27	CU#3	30	2			2615	4009			--	--	--	28
29	--	--	--					2615	3005	--	--	--	30
31	PANEL B	200	3	8680	1333					3	25	DH#1	32
33	--	--	--			8680	1333			--	--	--	34
35	--	--	--					8710	1333	--	--	--	36
37	SPARE	20	1	0	0					1	20	SPARE	38
39	SPARE	20	1			0	0			1	20	SPARE	40
41	SPARE	20	1					0	0	1	20	SPARE	42
		TOTAL LOAD:		22678 VA		22465 VA		22652 VA					
		TOTAL AMPS:		189 A		187 A		189 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Appliance	2000 VA	70.00%	1400 VA		
Electric Heat	14750 VA	100.00%	14750 VA	**CONNECTED LOAD:**	67795 VA
Lighting	6412 VA	125.00%	8014 VA	**ESTIMATED DEMAND:**	67136 VA
Motor	18372 VA	100.00%	18372 VA	**CONNECTED CURRENT:**	188 A
Other	750 VA	100.00%	750 VA	**EMD CURRENT:**	186 A
Power	10200 VA	100.00%	10200 VA		
Receptacle	13320 VA	87.54%	11660 VA		
Spare	2000 VA	100.00%	2000 VA		

PANEL: A

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 100 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: MLO | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 22,000 A

NOTES:

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	FLAG UPLIGHTS	20	1	200	800					1	20	EXTERIOR SIGN	2
3	LIGHTS CLERESTORY	20	1			480	752			1	20	LIGHTS INTERIOR	4
5	LIGHTS INTERIOR	20	1					610	1200	1	20	MOMUMENT SIGN	6
7	COVE LIGHITNG CLERESTORY	20	1	978	1020					1	20	PARKING LOT LIGHTS	8
9	EXTERIOR SIGN	20	1			800	1000			1	20	DRIVE UP SIGNAGE	10
11	MONUMENT SIGN	20	1					1200	--	1	--	SPACE ONLY	12
13	FUTURE ATM	30	2	1000	--					1	--	SPACE ONLY	14
15	--	--	--			1000	--			1	--	SPACE ONLY	16
17	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	20
21	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	24
25	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	26
27	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	28
29	SPACE ONLY	--	1					--	--	1	--	SPACE ONLY	30
31	SPACE ONLY	--	1	--	--					1	--	SPACE ONLY	32
33	SPACE ONLY	--	1			--	--			1	--	SPACE ONLY	34
35	SPARE	20	1					0	0	1	20	SPARE	36
37	SPARE	20	1	0	0					1	20	SPARE	38
39	SPARE	20	1			0	0			1	20	SPARE	40
41	SPARE	20	1					0	0	1	20	SPARE	42
		TOTAL LOAD:		3998 VA		4009 VA		3005 VA					
		TOTAL AMPS:		35 A		35 A		25 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	6412 VA	125.00%	8014 VA		
Power	2600 VA	100.00%	2600 VA	**CONNECTED LOAD:**	11008 VA
Spare	2000 VA	100.00%	2000 VA	**ESTIMATED DEMAND:**	12610 VA
				CONNECTED CURRENT:	31 A
				EMD CURRENT:	35 A

PANEL: B

LOCATION: UTILITY ROOM 114 | **VOLTS:** 120/208 Wye | **MOUNTING:** SURFACE
BUS RATING: 150 A | **PHASES:** 3 | **FED FROM:** SEE RISER
MAIN BREAKER: MLO | **WIRES:** 4 | **ENCLOSURE:** Type 1
AVAILABLE FAULT CURRENT: 22,000 A

NOTES:
1. PROVIDE 5mA GFCI CIRCUIT BREAKER.

CKT	CIRCUIT DESCRIPTION	CB	P	A		B		C		P	CB	CIRCUIT DESCRIPTION	CKT
1	RECEPT, CLERESTORY	20	1	180	360					1	20	RECEPT, CASH WORK ROOM / IT 106	2
3	RECEPT, TOILET 115	20	1			280	440			1	20	POWER - DRIVE LANE JUNCTION BOX	4
5	EWC (NOTE 1 - 5mA GFCI)	20	1					360	500	1	20	BLOWER UNIT	6
7	COIN COUNTER	20	1	500	640					1	20	RECEPTS, WELLNESS, EMP TOILET	8
9	WATER SOFTENER	20	1			600	720			1	20	POWER WINDOW SHADES - CLERESTORY	10
11	RECEPTS, TELLER 104	20	1					610	610	1	20	RECEPTS, VIDEO CONF. 109	12
13	RECEPTS, OFFICE 110	20	1	1080	1080					1	20	RECEPTS, OFFICE 111, VEST 101	14
15	RECEPTS, OFFICE 112	20	1			900	900			1	20	RECEPTS, OFFICE 113	16
17	RECEPTS, WAITING AREA	20	1					790	1000	1	20	DOOR OPERATORS	18
19	RECEPT, OWNER SAFE	20	1	180	360					1	20	RECEPTS, VIDEO CONF. 109	20
21	RECEPT, UTILITY ROOM 114	20	1			180	360			1	20	RECEPTS, VIDEO SURVEILLANCE	22
23	UPS	30	1					180	360	1	20	RECEPTS, WORK / COPY 107	24
25	RECEPT, ELECTRICAL DRAWER	20	1	360	500					1	20	DRIVE UP CUSTOMER UNIT	26
27	RECEPT, MPOP	20	1			360	500			1	20	FIREPLACE, WAITING AREA 103	28
29	RECEPTS, LOUNGE 118	20	1					360	500	1	20	NITHGT DEPOSIT	30
31	RECEPTS, STORAGE 108, TELLER 104	20	1	720	720					1	20	RECEPTS, CASH WORK ROOM / IT 106	32
33	RECEPTS, TELLER 104	20	1			720	720			1	20	RECEPTS, DRIVER-UP TELLER 105	34
35	RECEPTS, TELLER 104	20	1					720	720	1	20	RECEPTS, LOUNGE, EMP ENTRANCE, EXTERIOR	36
37	RECEPT, WORK / COPY 107	20	1	1000	1000					1	20	DRIVE UP VIDEO UNIT	38
39	REFRIGERATOR, LOUNGE 118	20	1			1000	1000			1	20	ELECTRIC HEAT TAPE - ROOFDRAIN	40
41	TCR, TELLER 104	20	1					1000	1000	1	20	MICROWAVE, LOUNGE 118	42
		TOTAL LOAD:		8680 VA		8680 VA		8710 VA					
		TOTAL AMPS:		72 A		72 A		73 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Appliance	2000 VA	70.00%	1400 VA		
Motor	2400 VA	100.00%	2400 VA	**CONNECTED LOAD:**	26070 VA
Other	750 VA	100.00%	750 VA	**ESTIMATED DEMAND:**	23810 VA
Power	7600 VA	100.00%	7600 VA	**CONNECTED CURRENT:**	72 A
Receptacle	13320 VA	87.54%	11660 VA	**EMD CURRENT:**	66 A

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ELECTRICAL SCHEDULES

Drawn By: FSB Checked By: KDM

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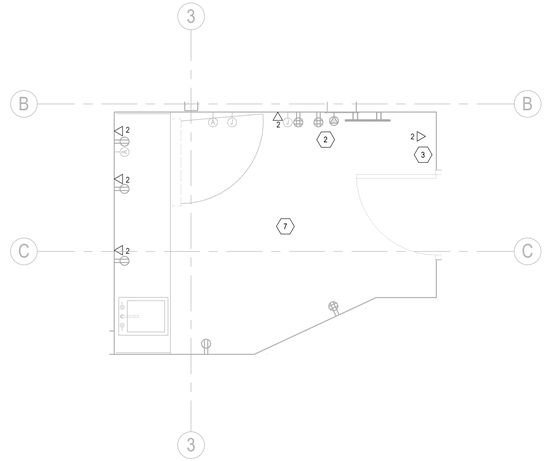
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TECHNOLOGY SYMBOLS

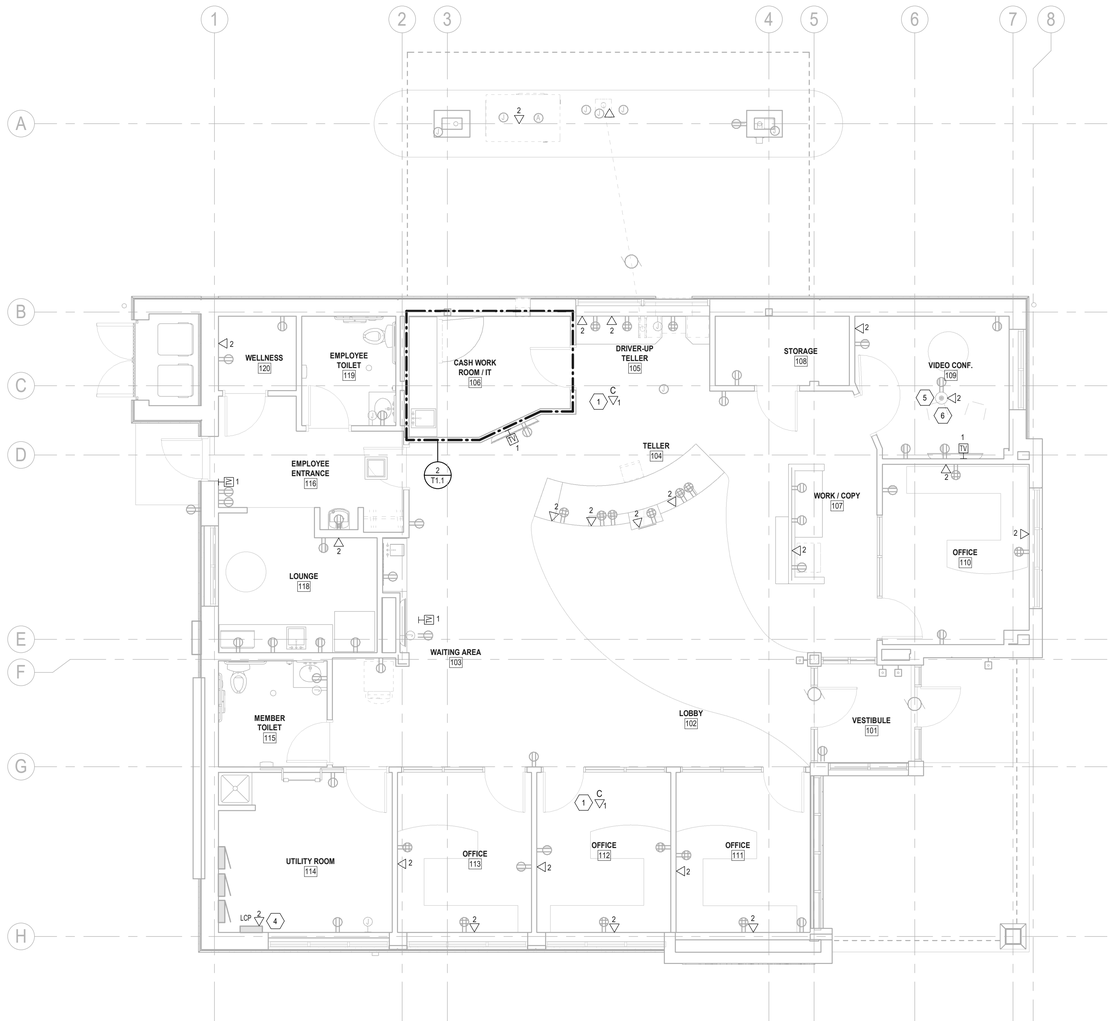
SYMBOL	DESCRIPTION
# OF DATA CABLES → #	DATA/TELEPHONE OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "#" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.
# OF DATA CABLES → # TV	TELEVISION OUTLET - PROVIDE # OF TERMINATED CAT6 CABLES INDICATED BY "#" BACK TO PATCH PANELS IN IT ROOM. CABLES AND OUTLETS SHALL BE LABELED AT BOTH ENDS.

LOW VOLTAGE RESPONSIBILITY SCHEDULE

ITEM	FURNISHED BY			INSTALLED BY			N/A	REMARKS
	OWNER	VENDOR	DIV 26	OWNER	VENDOR	DIV 26		
DATA CABLE CONDUITS / ROUGH-IN BOXES WITH PULLWIRE			o			o		
DATA ROOM HARDWARE (DATA RACKS, LADDER RACK, ETC)		o			o			
DATA CABLING AND JACKS			o			o		
DATA ROOM ELECTRONICS		o			o			



2 CASH WORK ROOM / IT - TECHNOLOGY
SCALE: 3/8" = 1'-0"



1 MAIN LEVEL PLAN - TECHNOLOGY
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

A. PROVIDE BLANK COVERPLATES ON UNUSED ROUGH-INS.

B. PROVIDE CABLE DISTRIBUTION J-HOOKS AS NECESSARY TO ROUTE AND SUPPORT CABLES. ALL CABLES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND SHALL NOT LIE ON CEILING GRID. J-HOOKS SHALL BE SPACED NO MORE THAN FIVE FEET ON CENTER.

KEY NOTES:

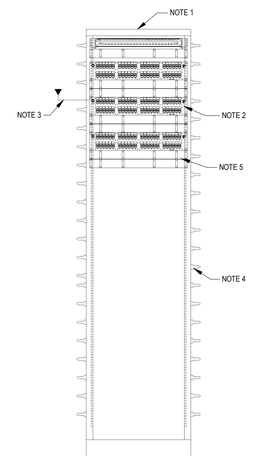
1. PROVIDE CAT-6 CABLE FROM WIRELESS ACCESS POINT IN CEILING TO SERVER ROOM FOR WIFI. COORDINATE EXACT LOCATION AND REQUIREMENTS.
2. TWO-POST DATA RACK PROVIDED BY OWNERS VENDOR.
3. PROVIDE TELEPHONE LINES TO SECURITY/ALARM CONTROL PANELS. ASSUME (2) LINES ARE REQUIRED. COORDINATE EXACT REQUIREMENTS WITH ASSOCIATED VENDORS.
4. PROVIDE (1) TELEPHONE LINE TO LIGHTING CONTROL PANEL.
5. FLOOR BOX PROVIDED BY ELECTRICAL. PROVIDE JACKS AND TERMINATION PLATES AS NECESSARY.
6. PROVIDE HDMI CABLE BETWEEN FLOOR BOX AND TV TERMINATE ON BOTH ENDS.
7. COORDINATE EXACT ROOM LAYOUT WITH OWNER.

TELE/DATA SPECIFIC NOTES.

1. DATA RACK. SECURE TO FLOOR.
2. RACK MOUNTED MODULAR PATCH PANELS. PROVIDE QUANTITY FOR 125% OF DATA/TELEPHONE CABLES.
3. PROVIDE CAT6 CABLING TO DATA/TELEPHONE LOCATIONS AS INDICATED. TERMINATE DATA CABLES TO PATCH PANELS.
4. PROVIDE VERTICAL CABLE MANAGEMENT ALONG BOTH SIDES OF DATA RACK.
5. HORIZONTAL CABLE MANAGEMENT, LOCATED BELOW EACH MODULAR PATCH PANEL.

GENERAL NOTES:

A. PATCH PANELS SHOWN FOR DESCRIPTIVE PURPOSES ONLY. CONTRACTOR TO VERIFY ACTUAL NUMBER OF PATCH PANELS REQUIRED.



3 TECHNOLOGY RISER
NO SCALE

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MAIN LEVEL PLAN - TECHNOLOGY

Drawn By: FSB Checked By: KDM

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MECHANICAL ABBREVIATIONS

AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AFMS	AIRFLOW MEASURING STATION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
AP	ACCESS PANEL(S)
APD	AIR PRESSURE DROP
ARCH	ARCHITECT(URAL)
AS	AIR SEPARATOR
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BLR	BOILER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
BWV	BACK WATER VALVE
CA	COMBUSTION AIR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHW	CIRCULATING HOT WATER
CLG	CEILING
CLR	CORE LOOP WATER RETURN
CLS	CORE LOOP WATER SUPPLY
CO	CLEAN OUT
COND	CONDENS(ATE) (ER)
CONN	CONNECTION
CONT	CONTINU(E) (OUS) (ED) (ATION)
CONTR	CONTRACTOR
CP	CIRCULATING PUMP
CR	CONDENSER RETURN
CRU	COMPUTER ROOM UNIT
CS	CONDENSER SUPPLY
CTE	CONNECT TO EXISTING
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW	COLD WATER
CWR	CHILLER WATER RETURN
CWS	CHILLED WATER SUPPLY
DEG	DEGREE(S)
DH	DUCT HEATER
DIFF	DIFFUSER
DN	DOWN
DT	DRAIN TILE
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EHC	ELECTRIC HEATING COIL
EL	ELEVATION
ERU	ENERGY RECOVERY UNIT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FFD	FUNNEL FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
FPM	FEET PER MINUTE
FS	FLOOR SINK
FT	FOOT, FEET
FTR	FINNED TUBE RADIATION
G	GAS
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GI	GREASE INTERCEPTOR
GPH	GALLON(S) PER HOUR
GPM	GALLON(S) PER MINUTE
GR	GRILLE
GW	GREASE WASTE (SANITARY)
H	HARD WATER
H-STAT	HUMIDISTAT
HB	HOSE BIBB
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HP	HEAT PUMP
HTG	HEATING
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
ID	INDIRECT DRAIN
IE	INVERT ELEVATION
IN	INCH(ES)
INSUL	INSULATION
INV	INVERT
INV EL	INVERT ELEVATION
IRR	IRRIGATION WATER

MECHANICAL ABBREVIATIONS

L	LIQUID
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LF	LINEAL FOOT, FEET
LTA	LINED TRANSFER AIR
LV	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAU	MAKEUP AIR UNIT
MAX	MAXIMUM
MB	MOP BASIN
MBH	1,000 BTUH
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
#	NUMBER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
ORD	OVERFLOW ROOF DRAIN
OSD	OVERFLOW STORM DRAIN
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PLBG	PLUMBING
PRV	POWER ROOF VENTILATOR
PRV	PRESSURE REDUCING VALVE
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE AND TEMPERATURE FITTING
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REG	REGISTER
REQ	REQUIRED
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID
RM	ROOM
RO	REVERSE OSMOSIS
RP	RADIANT PANEL
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RWL	RAIN WATER LEADER
S	SUCTION
SA	SUPPLY AIR
SAN	SANITARY
SCCR	SHORT CIRCUIT CURRENT RATING
SCU	SELF CONTAINED UNIT
SCW	SOFTENED COLD WATER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SF	SUPPLY FAN, SQUARE FEET
SH	SHOWER
SP	STATIC PRESSURE, SUMP PUMP
SR	SUCTION RISER
SS	STAINLESS STEEL
ST	STORM
STM	STEAM
STP	STANDPIPE
SU	SUPPLY UNIT
T	THERMOSTAT, TEMPERED
T-STAT	THERMOSTAT
TA	TRANSFER AIR
TC	TEMPERATURE CONTROL(S)
TCC	TEMPERATURE CONTROL(S) CONTRACTOR
TD	TEMPERATURE DIFFERENTIAL
TMV	THERMOSTATIC MIXING VALVE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE (MOTOR CONTROLLER)
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WH	WALL HYDRANT
WP	WATERPROOF
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER

MECHANICAL SYMBOL LEGEND

PLUMBING

- SCW — DOMESTIC COLD WATER (SOFT)
- H — DOMESTIC COLD WATER (HARD)
- FCW — DOMESTIC FILTERED COLD WATER
- CW-FF — DOMESTIC COLD WATER (FLUSHING FIXTURES)
- NP — DOMESTIC COLD WATER (NON-POTABLE)
- T — TEMPERED DOMESTIC HOT WATER
- HW — DOMESTIC HOT WATER
- CHW — RECIRCULATION HOT WATER
- 140°HW — DOMESTIC HOT WATER (140° F)
- 140°CHW — RECIRCULATION DOMESTIC HOT WATER (140° F)
- W — SANITARY WASTE / PUMPED (PW)
- GW — GREASE WASTE
- FW — FLAMMABLE WASTE
- V — VENT
- AW — SANITARY WASTE (ACID)
- AV — VENT (ACID)
- SD — STORM DRAIN (PRIMARY) / PUMPED (PSD)
- OSD — OVERFLOW STORM DRAIN (OVERFLOW)
- DT — DRAIN TILE
- POOL — POOL DRAINAGE
- G — NATURAL GAS
- LPG — LIQUID PROPANE GAS
- CD — CONDENSATE DRAIN PIPING
- CA — COMPRESSED AIR
- R## — PLUMBING RISER TAG

HEATING & COOLING

- G — NATURAL GAS
- HWS — HEATING WATER SUPPLY
- HWR — HEATING WATER RETURN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CLS — CORE LOOP SUPPLY
- CLR — CORE LOOP RETURN
- STM — STEAM
- CR — CONDENSATE RETURN
- CD — CONDENSATE DRAIN PIPING
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION

MEDICAL GAS

- N2O — NITROUS OXIDE
- O2 — OXYGEN
- VAC — VACUUM
- WAGD — WASTE / ANESTHESIA GAS DISPOSAL

REFRIGERATION

- LT — LOW TEMPERATURE LOOP
- MT — MEDIUM TEMPERATURE LOOP
- GLY — GLYCOL
- RHS — HIGH SIDE TO GAS COOLER & HEAT-RECLAIM
- RED — EVAPORATOR DRAIN

MISC. REFRIGERATION

- E — ELECTRONIC EPR
- CC — CASE CONTROLLER PER COIL/CASE
- LLS — LIQUID LINE SOLENOID
- HUB — RDM MERCURY HUB PER CIRCUIT
- CST — CASE/COOLER TEMP. SENSOR
- DT — DEFROST TERMINATION
- CRS — CASE REFRIGERATION CONNECTION
- RSU — REFRIGERATION STUB-UP
- ## — REFRIGERATION CIRCUIT/SYSTEM NUMBER
- X## — REFRIGERATION EQUIPMENT

MISC. PIPING

- A — AQUASTAT
- PS — PRESSURE SWITCH
- FS — FLOW SWITCH
- SENSOR TAP
- WATER HAMMER ARRESTOR
- PRESSURE GAUGE WITH ISOLATION VALVE
- OR — IN-LINE PUMP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE-OFF BOTTOM / DOWN
- CLEANOUT - FLOOR (FCO)
- CO — CLEANOUT - CEILING (CO)
- PIPE CAP
- EXPANSION JOINT (LOOP)
- ECCENTRIC REDUCER
- PIPE ANCHOR
- CONCENTRIC REDUCER
- ALIGNMENT GUIDES
- FLEXIBLE CONNECTION
- CPV — CIRCUIT BALANCING VALVE
- CHECK VALVE
- STRAINER
- GATE VALVE
- STRAINER WITH BLOW DOWN
- GAS COCK VALVE
- PRESSURE REDUCING VALVE
- STOP & WASTE VALVE
- PRESSURE RELIEF VALVE
- BALL VALVE
- FMV — FLOW MEASURING STATION
- BUTTERFLY/SHUT-OFF VALVE
- FLOW LIMITING VALVE
- GLOBE VALVE
- SOLENOID VALVE
- CONTROL VALVE (2-WAY)
- CONTROL VALVE (3-WAY)
- GLOBE ANGLED VALVE
- DRAIN VALVE
- BFP — BACKFLOW PREVENTER
- AIR VENT - AUTOMATIC
- BWV — BACKWATER VALVE
- M — AIR VENT - MANUAL
- GAS PRESSURE REGULATOR
- FS — FLOW SWITCH
- FLOW DIRECTION
- HOPPER DRAIN / FLOOR SINK
- PIPE PITCH DIRECTION
- FLOOR DRAIN
- PIPE UNION
- WH — HYDRANT (WALL, ROOF, YARD)
- THERMOMETER
- HB — HOSE BIBB
- DSN — DOWNSPOUT NOZZLE W/COVER
- DSN — DOWNSPOUT NOZZLE

FIRE PROTECTION

- FW — FIRE PROTECTION (WET)
- FD — FIRE PROTECTION (DRY)
- FPA — FIRE PROTECTION (PRE-ACTION)
- FW FDC — FIRE PROTECTION (WET) - FIRE DEPT. CONN.
- FW SP — FIRE PROTECTION (WET) - STANDPIPE
- FW Z# — FIRE PROTECTION (WET) - ZONE #

SPRINKLER HEADS

- RECESSED WHITE PENDANT HEAD W/ WHITE ESCUTCHEON CUP
- CONCEALED WHITE PENDANT HEAD W/ WHITE DISC
- UPRIGHT BRASS HEAD ON EXPOSED PIPING
- UPRIGHT WHITE HEAD ON EXPOSED PIPING
- CHROME SIDEWALL HEAD W/ CHROME WALL FLANGE
- CHROME EXTENDED THROW HEADS W/ CHROME WALL FLANGE
- CHROME EXTENDED THROW SIDEWALL HEADS W/ CHROME WALL FLANGE & HIGH-TEMP 200°F
- WHITE PENDANT HEAD. HEADS IN POOL SHALL BE A MANUFACTURED HEAD FOR CORROSIVE ENVIRONMENTS TO PREVENT RUSTING
- HIGH-TEMP (286°F) RECESSED WHITE PENDANT HEAD W/ WHITE ESCUTCHEON CUP

MISC. FIRE PROTECTION

- SIAMESE FIRE DEPARTMENT CONNECTION
- RPZ — RPZ VALVE (REDUCED PRESSURE BACKFLOW)
- OS & Y VALVE
- RPZ VALVE (REDUCED PRESSURE BACKFLOW)
- OS&Y VALVE WIRED

HVAC

- SA — SUPPLY AIR DUCT
- RA — RETURN AIR DUCT
- OA — OUTSIDE AIR DUCT
- TA — TRANSFER AIR DUCT
- CA — COMBUSTION AIR DUCT
- LTA — LINED TRANSFER AIR DUCT
- EA — EXHAUST AIR DUCT
- THERMOSTAT
- S — THERMOSTAT SPLIT SYSTEM
- S — SPACE TEMPERATURE SENSOR
- N — THERMOSTAT NIGHT SET BACK
- H — HUMIDISTAT
- P — THERMOSTAT PROGRAMMABLE
- H — COMB. TEMP. & HUM. SENSOR (INNOVENT)
- P — PRESSURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- CO — COMB. TEMP. & HUM. SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- VOC — VOLATILE ORGANIC COMPOUND SENSOR
- D — DIESEL SENSOR
- CO — CARBON MONOXIDE AND NITROGEN DIOXIDE SENSOR
- OA — OUTSIDE AIR SENSOR
- WALL SWITCH
- M — MOTORIZED DAMPER
- FS — FIRE/SMOKE DAMPER
- LD — LOW-LEAK MOTORIZED DAMPER
- S — SMOKE DAMPER
- BD — BACKDRAFT DAMPER
- F — FIRE DAMPER
- ID — VOLUME DAMPER (IRIS CLOSURE)
- R — RADIATION DAMPER
- VOLUME DAMPER (MANUAL)
- SUPPLY AIR
- RD — VD (REMOTELY OPERATED)
- EXHAUST AIR
- AB — VD (AUTO BALANCE)
- RETURN/TRANSFER AIR
- CEILING SUPPLY DIFFUSER
- FLOOR REGISTER
- SUPPLY AIR REGISTER
- LINEAR DIFFUSER
- RETURN AIR GRILLE / REGISTER
- FLEX DUCT
- EXHAUST AIR GRILLE / REGISTER
- ROOF (PRV) EXHAUST FAN
- RETURN AIR GRILLE / REGISTER W/ SOUND BOOT
- CABINET UNIT HEATER
- SIDEWALL SUPPLY REGISTER
- VARIABLE AIR VOLUME BOX
- SIDEWALL RETURN / EXHAUST GRILLE
- AFM — AIR FLOW MEASURING STATION
- AP — ACCESS PANEL
- AFS — AIR FLOW PRESSURE SWITCH
- SUPPLY DUCT ELBOW WITH TURNING VANES
- 14"x10" — STANDARD OR LINED DUCT (SUPPLY, RETURN, EXHAUST). DUCT IS LABELED TO INDICATE INTERNAL DUCT DIMENSION. SEE SPECIFICATION FOR INSULATION.
- 14"x10" — DOUBLE WALL (SUPPLY, RETURN, EXHAUST). DUCT IS LABELED TO INDICATE INTERNAL DUCT DIMENSION.
- STANDARD ROUND TAKEOFF (CONICAL BELL MOUTH) WITH VOLUME DAMPER
- DUCT UP (SUPPLY)
- DUCT UP (RETURN/EXHAUST)
- DUCT DOWN (SUPPLY)
- DUCT DOWN (RETURN/EXHAUST)

DIFFUSER, REGISTER, GRILLE TAG

- A — 24x6 / 8ø — SIZES (INCHES) OR DIFFUSER NECK SIZE
- 450 — CFM
- TYP. 2 — QUANTITY OF DRG IN GENERAL AREA
- NOTE — MISC. NOTE / MOUNTING INFORMATION
- DRG TAG, SEE SCHEDULE

NOTE: SEE DIFFUSER, REGISTER, AND GRILLE SCHEDULE FOR FURTHER DETAILS

MISC. GRAPHICS

- BREAK IN MATERIAL (FOR VISUAL PURPOSES)
- UNDER CUT DOOR FOR AIR TRANSFER
- CONNECT TO EXISTING
- FINISHED FLOOR ELEVATION
- NEW AND TO BE REMOVED (DEMOLISHED)
- EXISTING TO REMAIN

MECHANICAL SHEET INDEX

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M3.1	MAIN LEVEL PLAN - PIPING
M4.1	ROOF PLAN - MECHANICAL
M5.1	PLUMBING RISER DIAGRAMS
M6.1	MECHANICAL DETAILS
M7.1	MECHANICAL SCHEDULES
M8.1	MECHANICAL CONTROLS

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	

DATE	NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

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MECHANICAL TITLE SHEET

Drawn By: JM Checked By: JH

M0.0

3392.0002

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MECHANICAL PROJECT GENERAL NOTES

(NOTES APPLY TO ALL SHEETS)

1 WORK TO BE ACCOMPLISHED ON THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR THE PROPER COMPLETION OF ALL MECHANICAL WORK.

2 EXISTENCE OF ANY WIRES, CONDUITS, PIPES, DUCTS, OR OTHER FACILITIES ARE SHOWN IN A GENERAL WAY ONLY. IT WILL BE THE DUTY OF THE CONTRACTOR TO VISIT THE SITE AND MAKE EXACT DETERMINATION OF THE EXISTENCE OF ANY SUCH FACILITIES PRIOR TO THE SUBMISSION OF HIS BID. IT IS UNDERSTOOD THAT HE WILL BE RESPONSIBLE FOR MAKING THE EXACT DETERMINATION OF THE LOCATION AND CONDITION OF SUCH FACILITIES.

3 ALL REQUIRED FEES, PERMITS, AND INSPECTIONS SHALL BE OBTAINED AND/OR ARRANGED FOR BY THE CONTRACTOR UNDER THE SECTION OF THE SPECIFICATIONS FOR WHICH THEY ARE REQUIRED.

4 REGULAR INSPECTIONS SHALL BE ARRANGED BY THE CONTRACTOR AS REQUIRED BY ANY AND ALL REGULATIONS. ALL CHARGES FROM REGULATING AGENCIES FOR INSPECTIONS OF INSTALLATIONS OR REVIEW OF PLANS AND SPECIFICATIONS SHALL BE PAID BY THE CONTRACTOR.

5 CERTIFICATE OF FINAL INSPECTION. UNDER EACH APPLICABLE SECTION OF THE SPECIFICATIONS, CONTRACTOR SHALL, UPON COMPLETION OF THE WORK UNDER THAT SECTION, FURNISH A CERTIFICATE OF FINAL INSPECTION TO THE ENGINEER FROM THE INSPECTION DEPARTMENT HAVING JURISDICTION.

6 ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL CURRENT AND APPLICABLE CODES, SPECIFICATIONS, ORDINANCES, LAWS, REGULATIONS, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS.

7 IN CASE OF DIFFERENCE AMONG BUILDING CODES, SPECIFICATIONS, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS AND THE CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DIFFERENCE.

8 ALL APPLICABLE FEDERAL, STATE, LOCAL LAWS, ORDINANCES, AND LOCAL CODE AMENDMENTS SHALL BE ADHERED TO THROUGHOUT THE CONSTRUCTION PROJECT. THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING THE APPLICABLE BUILDING CODE, THE APPLICABLE MECHANICAL CODE, AND THE APPLICABLE PLUMBING CODE.

9 NON-COMPLIANCE. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE BUILDING CODES, STATE LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND UTILITY COMPANY REGULATIONS, HE SHALL BEAR ALL COSTS ARISING TO CORRECT THE DEFICIENCIES.

10 CONTRACTOR SHALL INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY PRE-CAUTIONS REQUIRED FOR HIS WORK, INCLUDING REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

11 DRAWINGS ARE TO SCALE AS NOTED, BUT THE CONTRACTOR SHALL REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION OF PARTITIONS, WALLS, BEAMS, SHAFTS, EQUIPMENT, ETC.

12 EACH TRADE SHALL OBTAIN DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES AND COORDINATE HIS WORK WITH ALL OTHER TRADES.

13 DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, AND APPURTENANCES AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND WORK OF OTHER TRADES WILL PERMIT. MECHANICAL WORK SHALL CONFORM TO THE REQUIREMENTS SHOWN ON ALL OF THE DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER MECHANICAL DRAWINGS. BECAUSE OF THE SMALL SCALE OF THE MECHANICAL DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED.

14 DISCREPANCIES DISCOVERED BEFORE OR AFTER WORK HAS STARTED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY, AND THE ENGINEER RESERVES THE RIGHT TO REQUIRE MINOR CHANGES IN THE WORK OF ANY CONTRACTOR TO ELIMINATE SUCH DISCREPANCIES WITH NO CHANGE IN CONTRACT COST.

15 PLANS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS CALLED FOR IN EITHER ONE SHALL BE AS BINDING AS IF CALLED FOR IN BOTH.

16 WHERE A DISAGREEMENT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE ITEM OR ARRANGEMENT OF BETTER QUALITY, GREATER QUANTITY, OR HIGHER COST SHALL BE INCLUDED IN THE BID.

17 ALL MATERIALS AND EQUIPMENT SHALL BE STORED IN SUCH A PLACE AND IN SUCH A MANNER THAT A MINIMUM OF CONGESTION WILL RESULT. THE PLACING OF SUCH MATERIALS AND EQUIPMENT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

18 EACH CONTRACTOR SHALL COORDINATE WORK WITH OTHER TRADES IN THE INSTALLATION OF EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK.

19 CONTRACTORS SHALL SOLVE ALL COORDINATION CONFLICTS AMONG THEMSELVES WHEN POSSIBLE. ENGINEER WILL ARBITRATE WHEN NECESSARY, AND HIS JUDGMENT WILL STAND, WITH NO ADDITIONAL COST TO THE OWNER.

20 ACCESS PANELS SHALL BE FURNISHED BY THE TRADE REQUIRING THEM AND DELIVERED TO THE GENERAL CONTRACTOR FOR INSTALLATION.

21 EACH TRADE SHALL PERFORM ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES NECESSARY IN ORDER TO PERFORM THE WORK, UNLESS SUCH WORK HAS BEEN DELEGATED TO THE GENERAL CONTRACTOR/ANOTHER TRADE. HOWEVER, SPECIAL PERMISSION SHALL BE OBTAINED FROM THE ENGINEER BEFORE CUTTING STRUCTURAL MEMBERS OR FINISHED MATERIALS. ALL PATCHING SHALL BE PERFORMED IN SUCH MANNER AS TO LEAVE NO VISIBLE TRACE AND TO RETURN THE PART AFFECTED TO THE CONDITION OF UNDISTURBED WORK. PATCHING WORK SHALL BE PERFORMED BY PERSONS EXPERIENCED, SKILLED, AND LICENSED FOR THE PARTICULAR TYPE OF WORK INVOLVED. INFERIOR WORK WILL NOT BE ACCEPTED. ALL HOLES IN MASONRY SHALL BE DRILLED WITH ROTARY DRILLS. IMPACT TOOLS SHALL NOT BE USED.

22 EACH TRADE SHALL BEAR THE EXPENSE OF ALL CUTTING, PATCHING, REPAIRING, OR REPLACING OF THE WORK OF OTHER TRADES REQUIRED BECAUSE OF HIS FAULT, ERROR, OR TARDINESS OF BECAUSE OF ANY DAMAGE DONE BY HIM.

23 EACH TRADE SHALL PROVIDE ALL HOLES AND OPENINGS REQUIRED FOR HIS WORK, UNLESS SUCH HOLES AND OPENINGS ARE SHOWN TO BE PROVIDED ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS.

24 EACH TRADE SHALL PERIODICALLY CLEAR AWAY ALL DEBRIS, SURPLUS MATERIALS, ETC., RESULTING FROM HIS WORK OR OPERATIONS, LEAVING THE JOB AND THE EQUIPMENT FURNISHED UNDER ANY OR ALL CONTRACTS IN A CLEAN CONDITION.

25 EACH TRADE SHALL TEST THE EQUIPMENT PROVIDED AND/OR INSTALLED UNDER THE SPECIFICATION AND SHALL DEMONSTRATE ITS PROPER OPERATION TO THE OWNER'S OPERATING ENGINEER.

26 EACH TRADE SHALL FURNISH, WITHOUT ADDITIONAL EXPENSE TO THE OWNER, THE SERVICES OF COMPETENT INSTRUCTORS, WHO WILL GIVE FULL INSTRUCTION IN THE CARE, ADJUSTMENT, AND OPERATION AND MAINTENANCE OF ALL PARTS OF THE EQUIPMENT TO THE OWNER'S PERMANENT EMPLOYEES WHO ARE TO HAVE CHARGE OF THE EQUIPMENT.

27 ALL WOOD NAILERS AND OTHER LUMBER WHICH IS INSTALLED IN CONTACT WITH METAL, CONCRETE, OR MASONRY SHALL BE PRESSURE TREATED AGAINST DECAY (UNLESS OTHERWISE NOTED).

28 MATERIAL EXPOSED WITHIN RETURN AIR PLENUM CEILINGS SHALL COMPLY WITH APPLICABLE CODE.

29 PLANS DO NOT INCLUDE ALL OFFSETS FOR COORDINATION WITH DUCT, PIPING, LIGHTING, AND STRUCTURAL SYSTEMS. PROVIDE ALLOWANCES FOR REQUIRED OFFSETS. PROVIDE OFFSETS AS REQUIRED.

30 BEFORE SUBMITTING A PROPOSAL ON THE WORK SHOWN ON THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS, EACH BIDDER SHALL EXAMINE THE SITE, CHECK AS TO THE MEANS OF MAKING CONNECTIONS TO SERVICES, AND SHALL BECOME FAMILIAR WITH ALL THE EXISTING CONDITIONS AND LIMITATIONS. NO EXTRAS WILL BE ALLOWED BECAUSE OF THE CONTRACTOR'S MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED OR HIS LACK OF KNOWLEDGE OF ANY SITE CONDITIONS WHICH MAY AFFECT HIS WORK. ANY APPARENT VARIANCE OF THE PLAN OR SPECIFICATION FROM EXISTING CONDITIONS AT THE SITE SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER DURING THE BID PERIOD SO CLARIFICATION CAN BE MADE BY ADDENDUM.

31 NORMAL USE OF THE FACILITY SHALL NOT BE DISTURBED, EXCEPT WITHIN THE IMMEDIATE CONSTRUCTION AREA. ALL WALKS, DRIVEWAYS, AND ENTRANCES SHALL BE KEPT CLEAR AND FREE OF ALL CONTRACTOR'S EQUIPMENT, MATERIAL, AND DEBRIS AT ALL TIMES.

32 CONTRACTOR SHALL THOROUGHLY EXAMINE THE EXISTING BUILDING WITH REGARD TO WHAT TEMPORARY MEASURES HE MUST TAKE IN ORDER TO PERMIT THE OWNER TO OCCUPY SPECIFIC AREAS OF THE BUILDING DURING THE VARIOUS CONSTRUCTION PHASES. REFER TO DIVISION 1, SECTION 1010, "SUMMARY OF WORK" FOR CONSTRUCTION SEQUENCING SCHEDULE. IN GENERAL, SYSTEMS MUST REMAIN IN USE IN THOSE DESIGNATED AREAS TO PERMIT THE OWNER TO FUNCTION IN A PRE-CONSTRUCTION MANNER.

33 EACH TRADE SHALL REMOVE EXISTING WORK THAT IS SHOWN, SPECIFIED, OR OBVIOUSLY NECESSARY FOR COMPLETION OF HIS WORK. OWNER SHALL HAVE THE OPTION OF RETAINING ANY ITEM OR MATERIAL REMOVED UNDER THIS CONTRACT. ITEMS OR MATERIALS NOT RETAINED BY OWNER SHALL BECOME THE PROPERTY OF THE TRADE AND SHALL BE REMOVED FROM THE PREMISES.

HVAC GENERAL NOTES

1 HVAC/SHEET METAL CONTRACTOR SHALL INITIATE THE COORDINATION PROCESS BY PROVIDING REPRODUCIBLE PLAN DRAWINGS SHOWING DUCTWORK AND EQUIPMENT. DRAWINGS WILL BE FORWARDED TO THE PIPING CONTRACTOR AND ELECTRICAL CONTRACTOR FOR INCLUSION OF THEIR SYSTEMS WORK.

2 ALL FLEX DUCT MUST BE INSTALLED PER THE ADC (AIR DIFFUSION COUNCIL) INSTALLATION STANDARDS (MOST CURRENT EDITION), INCLUDING A BEND RADIUS OF ONE DUCT DIAMETER OR GREATER, PROPERLY SEALED AND SECURED WITH 2 INCH BEADED COLLARS, PROPERLY SUPPORTED AND FULLY EXTENDED DUCT. FAN CALCULATIONS FOR THIS PROJECT WERE SIZED FOR 4 FOOT MAXIMUM FLEX DUCT INSTALLED PER THE ADC INSTALLATION STANDARDS. FLEX DUCT SHOWN ON PLANS IS FOR SCHEMATIC PURPOSES ONLY AND SHALL IN NO INSTANCE EXCEED 4 FOOT.

3 HVAC CONTRACTOR SHALL LINE THE INSIDE OF ALL RETURN/RELIEF/EXHAUST PLENUM BOXES PER SPECIFICATIONS. IF NO LINING IS REQUIRED, HVAC CONTRACTOR SHALL PAINT THE INSIDE FLAT BLACK.

4 HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR TESTED AND RATED FIRE STOP SYSTEMS FOR ALL THRU PENETRATIONS OF THE WALLS, FLOORS, AND ROOF ASSEMBLIES RESULTING FROM PIPING AND OTHER WORK UNDER HIS CONTRACT. REFER TO SPECIFICATION SECTION 07841 - FIRESTOPPING FOR REQUIREMENTS.

5 ALL DUCT SIZES ARE INTERNAL DIMENSIONS. CONTRACTOR SHALL INCREASE SHEET METAL SIZE IF DUCT RECEIVES INTERNAL LINER. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS.

6 DUCT ROOF PENETRATION SIZES TO ROOFTOP UNITS ARE SAME AS DUCT MAIN, UNLESS NOTED OTHERWISE. TRANSITION TO UNIT CONNECTION SIZES WITHIN ROOF CURBS.

7 LOCATIONS OF ORIFICES/L-VENTS FOR FABRIC DUCTS ARE ORIENTED WHEN FACING THE DIRECTION OF AIRFLOW.

8 MAINTAIN A MINIMUM OF 10'-0" HORIZONTAL DISTANCE FROM ANY INTAKE TO EXHAUST OUTLET.

9 HVAC CONTRACTOR SHALL CLOSELY COORDINATE WITH GENERAL CONTRACTOR FOR EXACT FIRE AND FIRE/SMOKE DAMPER PENETRATION SIZES IN WALLS AND FLOORING. FLOOR OPENINGS PROVIDED BY PRECAST MANUFACTURER ARE OVERSIZED AND M.C. MUST RELAY EXACT (NOT NOMINAL) OPENING SIZE MEETING UL LISTING TO CONCRETE INSTALLER FOR FRAMING OUT FLOOR OPENING. FLOOR OPENING SHALL HAVE 0.5" FREE SPACE AROUND ALL FOUR SIDES OF DAMPER AT ANY TIME TO ALLOW FOR EXPANSION, NO EXCEPTIONS. INSTALL MOUNTING ANGLE ON ALL FOUR SIDES OF FIRE DAMPERS; ANGLES SHALL NOT BE SECURED TO FLOOR OR WALL. FIRE CAULKING AROUND DAMPERS IS STRICTLY PROHIBITED. REFER TO STANDARDS UL555 & UL555S AND DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PLUMBING GENERAL NOTES

1 COORDINATE UNDERGROUND PIPING WITH GENERAL CONTRACTOR TO ENSURE PROPER FOOTING DEPTH CLEARANCE.

2 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.

3 STORM DRAIN AND ALL VENT PIPING AT 1/8" PER FOOT SLOPE UNLESS NOTED OTHERWISE: ALL WASTE PIPING AT 1/4" PER FOOT SLOPE.

4 ELEVATIONS SHOWN ARE TO THE INVERT OF ALL PIPING BASED ON ARCHITECTURAL FINISHED FLOOR ELEVATION (FFE) OF 100'-0", UNLESS NOTED OTHERWISE.

5 ADJUST SEWER INVERTS TO KEEP BOTTOM OF PIPES IN LINE WHERE PIPE SIZES CHANGE.

6 PROVIDE SHUTOFF VALVES IN ALL WATER PIPING SYSTEM BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES (NOT SHOWN FOR CLARITY) AND WHERE SHOWN ON PLAN AND RISERS.

7 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER ACCESSORIES REQUIRING ACCESS ARE ACCESSIBLE.

8 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG RUNS (OVER 100') TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.

9 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.

10 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.

11 PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT THE ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 100' IN 4" AND LARGER HORIZONTAL RUNS, EVERY 50' IN 3" AND SMALLER HORIZONTAL RUNS, WHERE NOTED ON PLANS, AND WHERE REQUIRED BY CODE.

12 ALL VALVES SHALL BE INSTALLED SO THAT THE VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.

13 SEE PLUMBING RISERS FOR SIZING NOT SHOWN ON PLAN SHEETS (FOR CLARITY) AND SEE PLUMBING FIXTURE SCHEDULE FOR FIXTURE CONNECTIONS AND RUNOUT SIZES.

14 CONTRACTOR TO ENSURE THAT CLEANOUTS (FCO, WCO, CO) LOCATIONS DO NOT REST BELOW OR BEHIND CASEWORK.

15 PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES REQUIRED TO COMPLETE WORK STATED IN THE CONTRACT DOCUMENTS.

16 PLUMBING CONTRACTOR TO COORDINATE COUNTER OPENINGS FOR NEW SINKS/LAVS WITH GENERAL CONTRACTOR PRIOR TO ORDERING MATERIALS.

17 PIPES SHOWN SPREAD APART ON PLANS FOR CLARITY. CONTRACTOR TO INSTALL PIPES TIGHT TOGETHER.

18 ALL UNDERGROUND DOMESTIC WATER PIPING SHALL BE SEAMLESS TYPE 'K' COPPER PIPING WITH NO JOINTS. SEE SPECIFICATIONS.

19 GAS PIPING SUPPORTS TO BE EVERY 5 FEET.

20 SEE ARCHITECTURAL ROOF PLAN FOR ROOF SLOPE AND SCUPPER SIZES/LOCATIONS.

21 REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ) SHALL BE INSTALLED AT AN ELEVATION BETWEEN 3'-0" AFF AND 6'-0" AFF AND LABELED INDICATING EQUIPMENT SERVED. RPZ'S SHALL BE INSPECTED AND TESTED ANNUALLY OR AT A RATE PER LOCAL CODES.

22 PIPING MATERIAL FOR SANITARY WASTE, PLUMBING VENTS, AND STORM SEWER SHALL BE CAST IRON WHERE PIPING RUNS THROUGH A RETURN-AIR PLENUM. REFERENCE APPLICABLE MECHANICAL CODE, WITH LOCAL AMENDMENTS. WHERE PIPING MATERIAL MUST BE PVC THE PIPE SHALL BE WRAPPED WITH 3M FIRE BARRIER WRAP AS DESCRIBED IN MECHANICAL SPECIFICATION.

23 FIRE CAULK ALL FLOOR PENETRATIONS AND WHERE PIPING PENETRATES RATED WALLS.

24 ALL PLUMBING INSTALLATION SHALL CONFORM TO STATE PLUMBING CODE WITH LOCAL AMENDMENTS.

25 WHERE NOT SPECIFICALLY INDICATED OTHERWISE, ALL GAS PIPING AND EQUIPMENT SHALL BE SUPPORTED PER THE SMACNA GUIDELINES FOR SEISMIC RESTRAINT AND CURRENT APPLICABLE STATE BUILDING CODE.

26 THE TOTAL INSTALLATION SHALL COMPLY WITH ANY AND ALL REQUIREMENTS OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION INCLUDING STATE BUILDING CODE, THE STATE MECHANICAL CODE, AND THE STATE PLUMBING CODE.

28 PLUMBING CONTRACTOR IS RESPONSIBLE TO REMOVE ALL SHAVINGS IN PVC/CPVC/ABS PIPING IN DOMESTIC WATER, SANITARY SEWER, AND STORM SEWER PIPING PRIOR TO LEAVING SITE.

29 PLUMBING CONTRACTOR IS RESPONSIBLE TO PURGE DOMESTIC WATER SYSTEM, INCLUDING BUT NOT LIMITING, ALL CW/HW/CHW PIPING, WATER HEATERS, VALVING, AND PLUMBING FIXTURES, OF ALL DELETERIOUS MATTER AND DISINFECT ENTIRE SYSTEM PRIOR TO UTILIZATION, AS DEFINED AND DESCRIBED IN APPLICABLE PLUMBING CODE.

FIRE PROTECTION GENERAL NOTES

1 COORDINATE UNDERGROUND PIPING WITH GENERAL CONTRACTOR TO ENSURE PROPER FOOTING DEPTH CLEARANCE.

2 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.

3 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER ACCESSORIES REQUIRING ACCESS ARE ACCESSIBLE.

4 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG RUNS (OVER 100') TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.

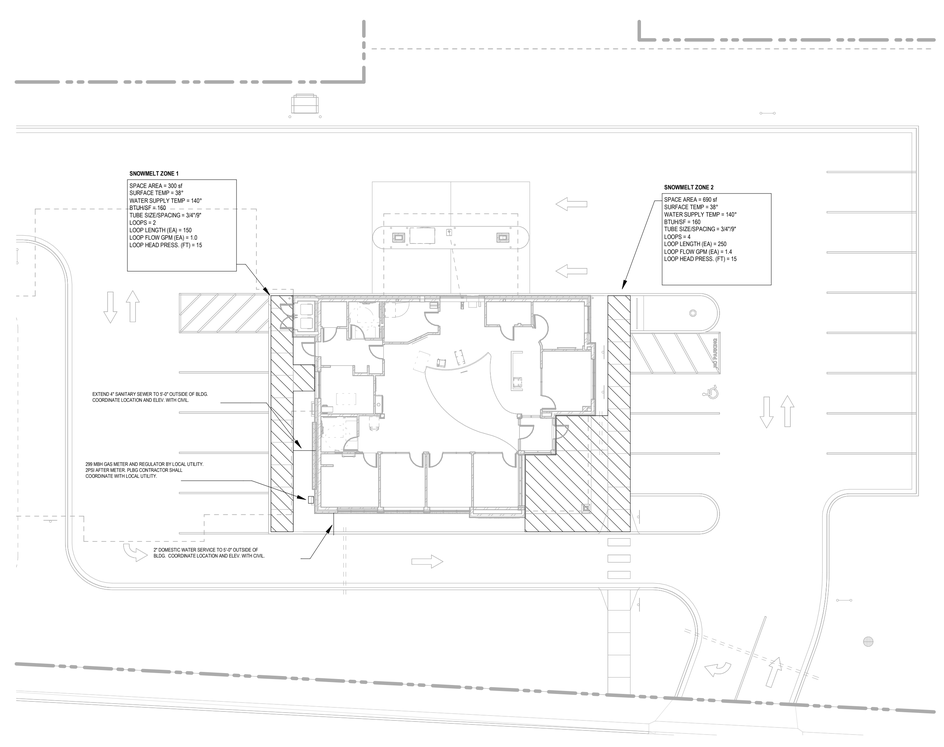
5 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.

6 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTIONS TO EQUIPMENT AND CONTROLS.

7 FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL REMOVING, CUTTING, PATCHING, AND REPLACEMENT OF ALL BUILDING STRUCTURE, SURFACES, AND FINISHES REQUIRED TO COMPLETE WORK STATED IN THE CONTRACT DOCUMENTS.

8 PIPES SHOWN SPREAD APART ON PLANS FOR CLARITY. CONTRACTOR TO INSTALL PIPES TIGHT TOGETHER.

9 FIRE CAULK ALL FLOOR PENETRATIONS AND WHERE PIPING PENETRATES RATED WALLS.



1 MECHANICAL SITE PLAN

NO SCALE

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LA CROSSE, WI

ISSUED SET	2026-03-27
REVISIONS	
DATE	NO

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MECHANICAL GENERAL NOTES & SITE PLAN

Drawn By: JM Checked By: JH

M0.1

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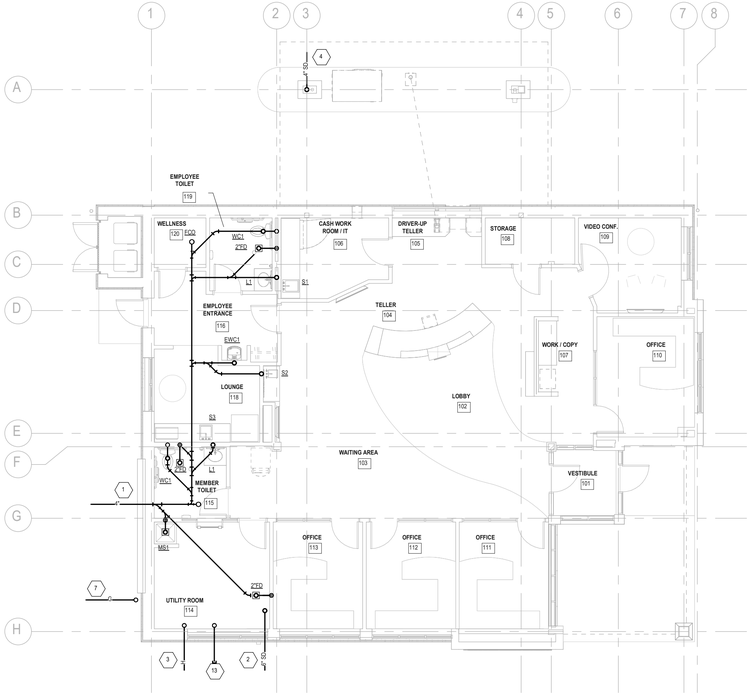
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GENERAL NOTES:

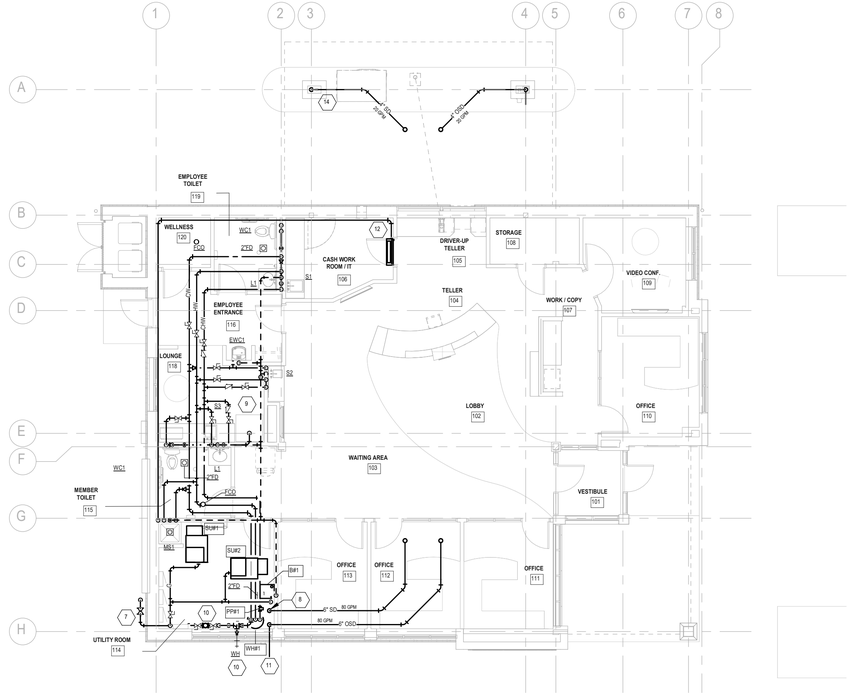
A. SEE SHEET M0.1 FOR GENERAL NOTES

KEY NOTES:

1. EXTEND 4" SANITARY TO 5' OUTSIDE BUILDING WITH FLOOR CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
2. EXTEND 6" STORM TO 5' OUTSIDE BUILDING WITH FLOOR CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
3. EXTEND 2" DOMESTIC WATER SERVICE FROM 5' OUTSIDE BUILDING INTO BUILDING.
4. EXTEND 4" STORM TO 5' OUTSIDE BUILDING WITH WALL CLEANOUT. COORDINATE EXACT LOCATION WITH CIVIL.
5. PROVIDE ROUGH IN FOR FUTURE WATER SOFTENER WITH BYPASS LINE AND SHUTOFF VALVES.
6. MOUNT WATER HEATER ON WALL WITH BOTTOM AT 6' ABOVE FLOOR. SEE DETAIL.
7. GAS METER & REGULATOR BY LOCAL UTILITY. EXTEND 3/4" @2psi AFTER METER. PROVIDE BUILDING SHUT OFF IMMEDIATELY WHEN ENTERING BUILDING.
8. DROP STORM PIPING DOWN ALONG WALL TO BELOW GRADE. PROVIDE WITH CLEANOUT IN VERTICAL PIPING PRIOR TO FLOOR PENETRATION.
9. VENT UP TO 4" VENT THRU ROOF.
10. MOUNT WALL HYDRANT AT 18" ABOVE GRADE. PROVIDE SHUT OFF VALVE FOR WINTER SHUTDOWN.
11. DROP OVERFLOW STORM DOWN WALL AND DISCHARGE AT 18" ABOVE GRADE. SEE DETAIL 4/M5.2
12. EXTEND CONDENSATION DRAIN LINE AS HIGH AS POSSIBLE AND THROUGH WALL TO UTILITY 114. DISCHARGE CONDENSATE DRAIN INTO MOP SINK IN UTILITY 114.
13. EXTEND 1-1/2" IRRIGATION FROM MAIN BELOW GRADE OUTSIDE BUILDING, ROUTE TO GREEN SPACE AND CAP FOR IRRIGATION CONTRACTOR. PROVIDE WATER METER IN IRRIGATION LINE.
14. DROP STORM PIPING IN PIER TO BELOW GRADE. PROVIDE WITH WALL CLEANOUT IN PIER PRIOR TO BELOW GRADE TRANSITION.



1 BELOW FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



2 MAIN LEVEL PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

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MAIN LEVEL & BELOW FLOOR PLAN - PLUMBING

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GENERAL NOTES:

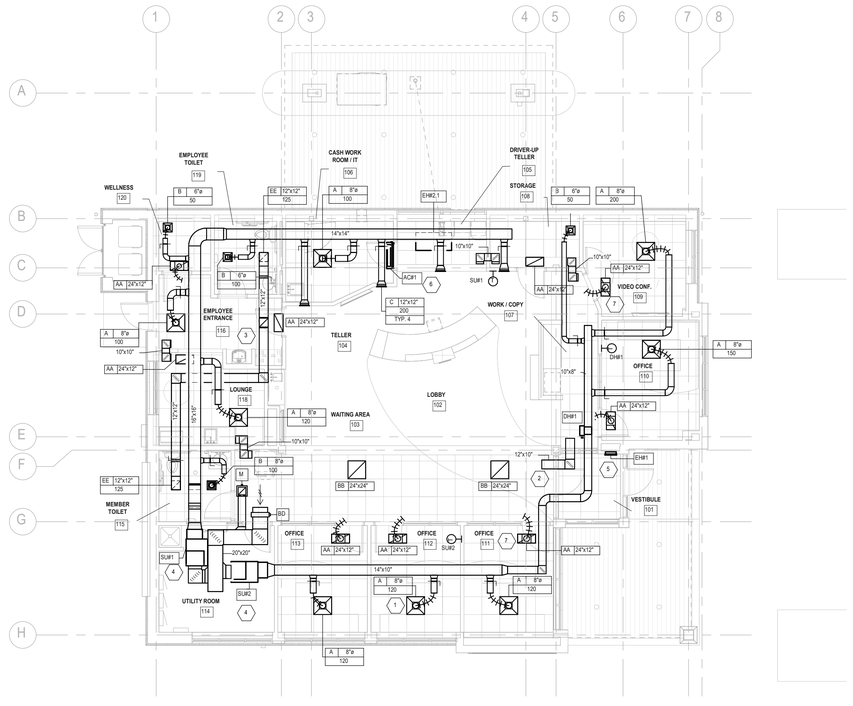
A. SEE SHEET M0.1 FOR GENERAL NOTES

B. ALL HVAC SYSTEMS TO BE BALANCED PER SECTION 6.7.3.3.1 OF ASHRAE 90.1-2019

C. ALL DUCTS TO BE SEAL CLASS A AT 2 INCH W.G. PRESSURE CLASS RATING.

KEY NOTES:

1. SUPPLY DIFFUSER (TYPICAL). SEE DETAIL 1/M6.1.
2. PROVIDE LINED TRANSFER DUCT. SEE DETAIL 7/M6.1.
3. EXTEND EXHAUST AIR UP THROUGH ROOF AND CONNECT TO ROOF EXHAUST FAN. SEE DETAIL 3/M6.1.
4. INSTALL FURNACE HUNG FROM STRUCTURE AS HIGH AS POSSIBLE AND SUPPORT FROM STRUCTURE WITH VIBRATION ISOLATORS. EXTEND FLUE AND COMBUSTION AIR FROM FURNACE THROUGH ROOF. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS. TYP.
5. INSTALL WALL MOUNTED ELECTRIC HEATER WITH HEATING ONLY LINE VOLTAGE WALL THERMOSTAT. PROVIDE RELAY AND INTERLOCK WITH OUTDOOR AIR TEMPERATURE SENSOR. OUTDOOR AIR TEMPERATURE SENSOR TO BE LOCATED WITHIN CONCEALED WEATHER PROOF EXTERIOR ENCLOSURE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALL.
6. MOUNT INDOOR COOLING UNIT WITH BOTTOM 6" ABOVE DOOR. EXTEND REFRIGERANT PIPING UP THROUGH ROOF TO OUTDOOR UNIT. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.
7. PROVIDE RETURN GRILLE PLENUM BOX AND FLEX DUCT WHERE SHOWN. SEE DETAIL 2/M6.1.



1 MAIN LEVEL PLAN - HVAC
SCALE: 1/8" = 1'-0"

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MAIN LEVEL PLAN - HVAC

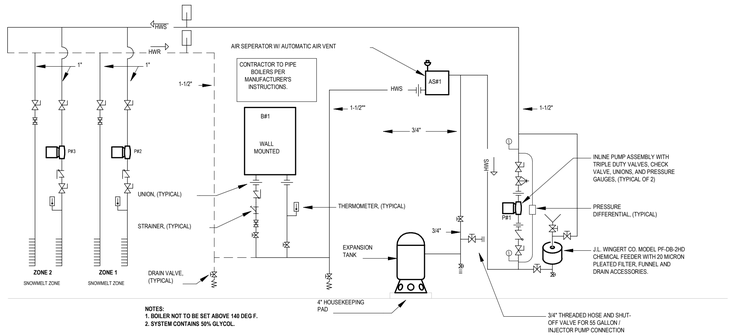
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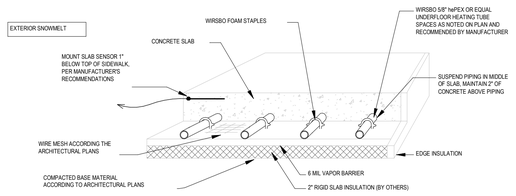
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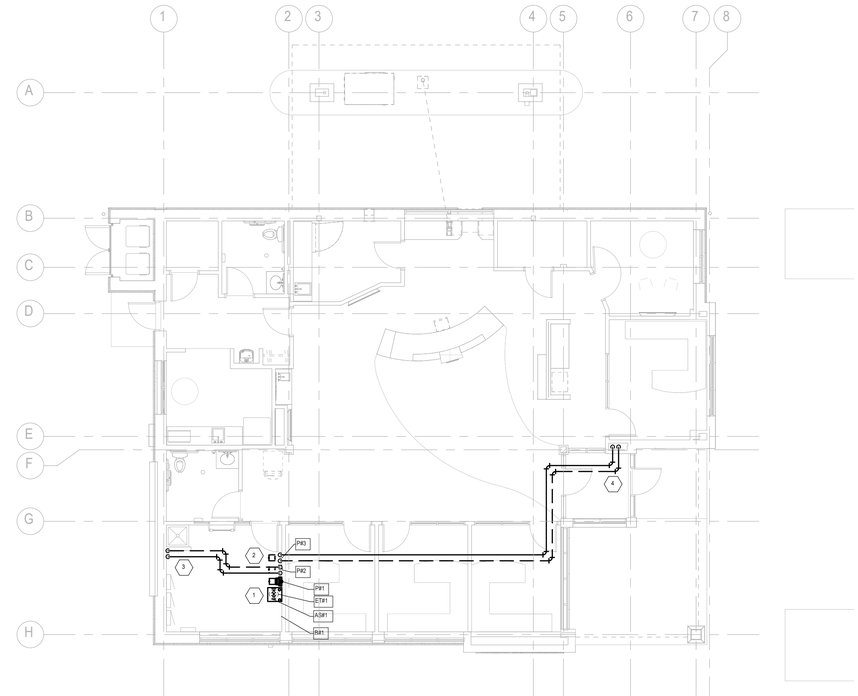
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2 BOILER PIPING SCHEMATIC
NO SCALE



3 RADIANT PIPING (INTERIOR AND EXTERIOR) DETAIL
NO SCALE



1 MAIN LEVEL PLAN - HVAC
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. SEE SHEET M0.1 FOR GENERAL NOTES

B. ALL HVAC SYSTEMS TO BE BALANCED PER SECTION 6.7.3.3.1 OF ASHRAE 90.1-2019

KEY NOTES:

1. EXTEND BOILER FLUE AND COMBUSTION AIR PIPING THROUGH ROOF. INSTALL PER MANUFACTURERS INSTRUCTIONS. DO NOT ROUTE IN PLENUM RETURN.
2. INSTALL BOILERS ON WALL, MOUNT PUMPS AND ACCESSORIES ON WALL. MOUNT EXPANSION TANK 1'-6" MOUNTING FRAME. SEE 2/M3.1 FOR PIPING DIAGRAM AND PIPE SIZES.
3. DROP HOT WATER PIPING TO MANIFOLD ON WALL. EXTEND PIPING TO SNOW MELT ZONE 1, SEE 1/M3.1. TUBING TO BE INSTALLED IN SLAB. SEE DETAIL 9/M5.1. SNOW MELT TUBING TO BE INSULATED WITH BELOW GRADE RATED CLOSED CELL FOAM PIPE INSULATION BETWEEN BUILDING FOUNDATION AND EXTERIOR SLAB.
4. DROP HOT WATER PIPING TO MANIFOLD IN CHASE. EXTEND PIPING TO SNOW MELT ZONE 2, SEE 1/M3.1. . TUBING TO BE INSTALLED IN SLAB. SEE DETAIL 9/M5.1. SNOW MELT TUBING TO BE INSULATED WITH BELOW GRADE RATED CLOSED CELL FOAM PIPE INSULATION BETWEEN BUILDING FOUNDATION AND EXTERIOR SLAB.

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MAIN LEVEL PLAN - PIPING

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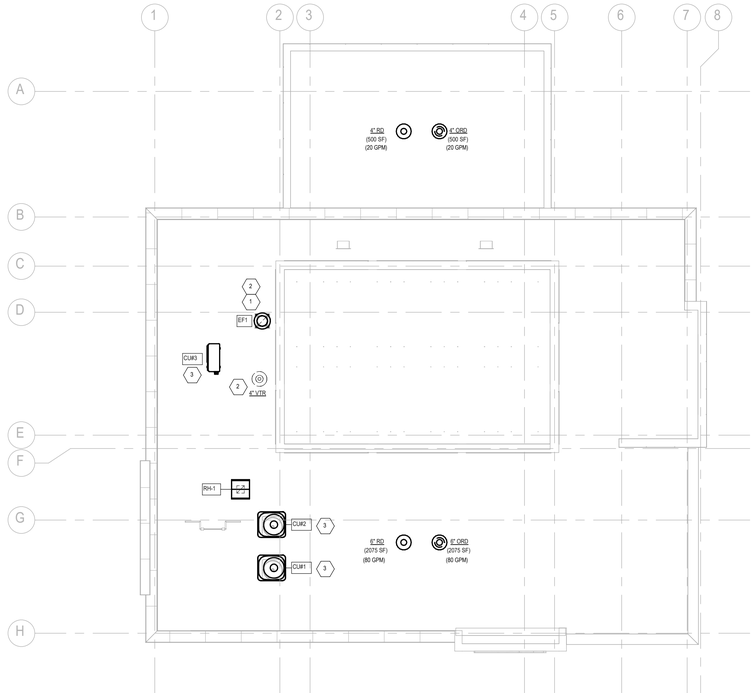
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GENERAL NOTES:

A. SEE SHEET M0.1 FOR GENERAL NOTES

KEY NOTES:

1. INSTALL EXHAUST FAN AND CURB ON ROOF. EXTEND EXHAUST DUCT DOWN THROUGH ROOF, FIELD COORDINATE WITH STRUCTURE. SEE DETAIL.
2. MAINTAIN 10' CLEAR OF ROOF EDGES.
3. EXTEND REFRIGERANT PIPING FROM CONDENSING UNITS THROUGH WALL AND ROUTE TO FURNACES AND INTERIOR AC UNIT IN MEZZANINE. INSTALL PER MANUFACTURERS INSTRUCTIONS. (TYP). SEAL EXTERIOR PENETRATIONS WATER TIGHT.



1 ROOF PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

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ROOF PLAN - MECHANICAL

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M4.1

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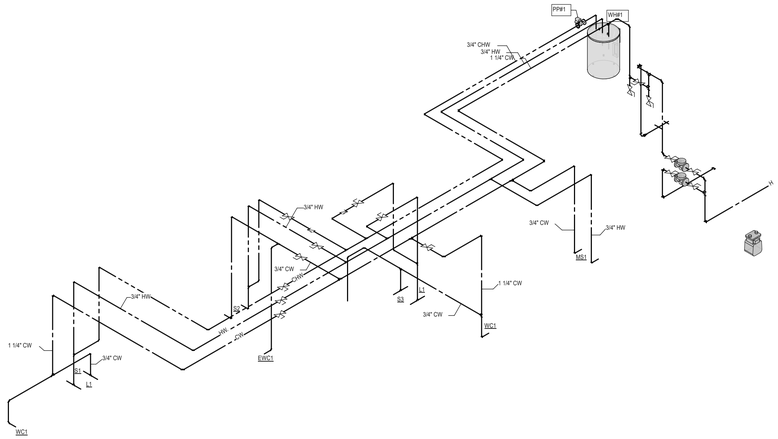
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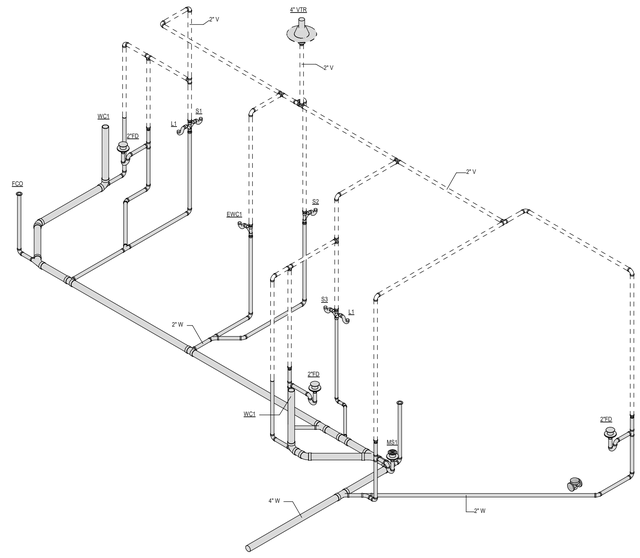
SEE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL PIPE AND FIXTURE CONNECTION SIZES

PLUMBING RISER DIAGRAMS ARE FOR REFERENCE OF GENERAL PIPE ROUTING AND PIPE SIZES AND ARE NOT FOR ACTUAL PIPING INSTALLATION. ALL PIPING SHALL BE INSTALLED PER CODE.

PROVIDE WATER HAMMER ARRESTORS ON ALL FLUSH VALVE AND SENSOR OPERATED FIXTURES. SIZE AND INSTALL PER MANUFACTURERS INSTRUCTIONS.



2 PLUMBING RISER - DOMESTIC
NO SCALE



1 PLUMBING RISER - SANITARY
NO SCALE

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PLUMBING RISER DIAGRAMS

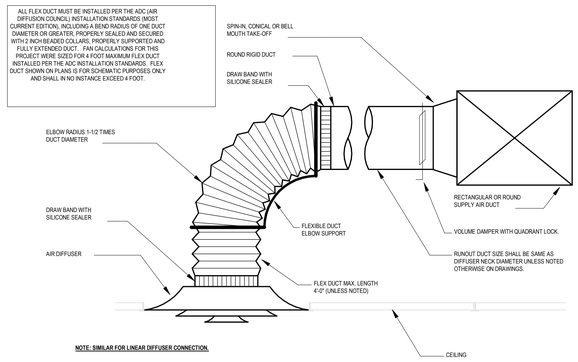
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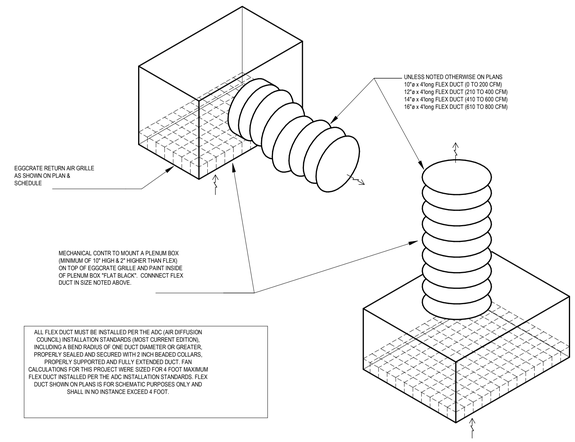
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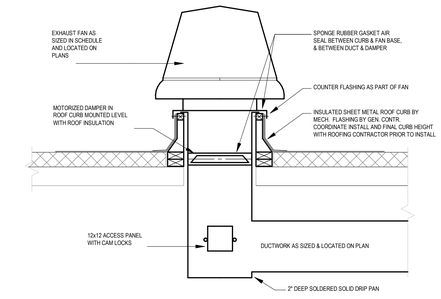
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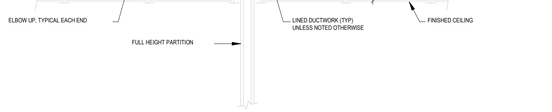
1 TYPICAL DIFFUSER CONNECTION
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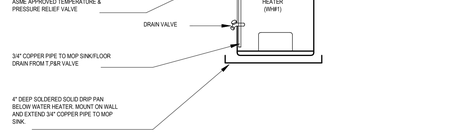
2 RETURN GRILLE PLENUM DETAIL
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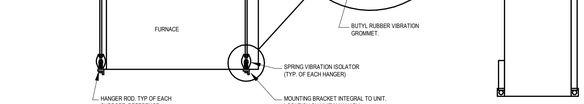
3 ROOF EXHAUST FAN DETAIL
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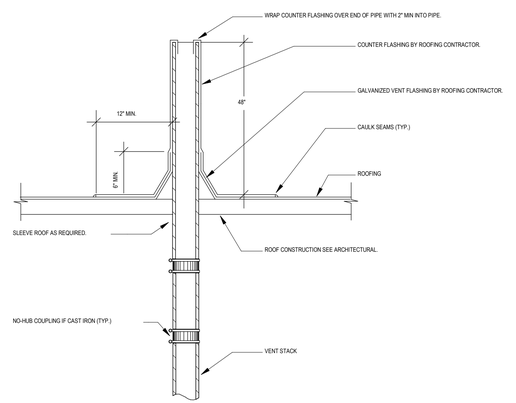
4 LINED TRANSFER AIR DUCT DETAIL
NO SCALE



5 ELECTRIC WATER HEATER W/CIRC PUMP DETAIL
NO SCALE



6 EQUIPMENT HANGING DETAIL
NO SCALE



7 VENT THRU ROOF (VTR) DETAIL
NO SCALE

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MECHANICAL DETAILS

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PLUMBING FIXTURE SCHEDULE

NOTES:
1. TRAP AND SUPPLY WRAP. ASSE 1070 MIXING VALVE.
2. COUNTER BY OTHERS - COORDINATE CLEARANCE SIZE AND ROUGH IN ELEVATION.
3. 4FT. HOSE AND MOP RACK.

MARK	FIXTURE	LOCAL CONNECTION SIZES (INCHES) WASTE	VENT	CW	HW	MOUNTING HEIGHT	NOTES
2"FD	FLOOR DRAIN	2"	1-1/2"	---	---	FLOOR	
EWC1	ELECTRIC WATER COOLER	2"	1-1/2"	1/2"	---	WALL	
L1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
MS1	JANITOR'S SINK, FLOOR MOUNTED	2"	1-1/2"	1/2"	1/2"		
S1	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
S2	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
S3	SINK	2"	1-1/2"	1/2"	1/2"	COUNTER	1,2
WC1	WATER CLOSET, FLOOR-MOUNTED, FLUSH-VALVE	4"	2"	1-1/4"	---		
WH	HYDRANT - WALL (FREEZE PROOF)	---	---	3/4"	---	WALL	

WATER HEATER - ELECTRIC SCHEDULE

NOTES:
1. SET TEMPERATURE TO 120°F.
2. PROVIDE AMTROL THERM-X-TROL ST-5 EXPANSION TANK. CONNECT TO COLD WATER AT INLET TO HEATER.

MARK	MANUFACTURER	MODEL	TANK CAPACITY (GALS)	EWT (°F)	LWT (°F)	RECOVERY (GPH)	TOTAL INPUT (KW)	STAGES / NO. OF ELEMENTS	ELECTRICAL DATA VOLTS	PHASE	FLA	NOTES
WH#1	A.O. SMITH	DEL-10	10.0	40	140	23	4	1	208	1	19.2	1,4

UNIT HEATER - ELECTRIC SCHEDULE

NOTES:
1. PROVIDE WITH INTEGRAL CONCEALED THERMOSTAT, RECESSED MOUNTING, INTEGRAL DISCONNECT.

MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	HEATING DATA CAPACITY (KW)	CAPACITY (MBH)	EAT (°F)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	CONTROL	MOUNT	NOTES
EH#1	BERKO	FRC-4027F	100	2	6.8	65	208	1	9.6	0	INTEGRAL	WALL	1

RADIANT PANEL - ELECTRIC SCHEDULE

NOTES:
1. PROVIDE WITH 1" FOIL BACK INSULATION, PANEL TO BE 24 GAUGE, SUPPORT PANELS FROM STRUCTURE.
2. PROVIDE UNIT WITH FACTORY WIRED POWER RELAYS.

MARK	LOCATION ROOM NAME	ROOM NO	MANUFACTURER	MODEL	SIZE (LxW)	HEATING DATA CAP (KW)	CAP (MBH)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	CONTROL	MOUNT	NOTES
EH#2.1			BERKO	CP502	48"x24"	0.5	1.7	208	1	3.6	4.5	20		SURFACE	

DUCT COIL - ELECTRIC SCHEDULE

NOTES:
... UNIT SHALL HAVE SCR CONTROLLER, DISCHARGE AIR TEMPERATURE SENSOR, AIR FLOW PROVING SWITCH AND SPACE START / STOP...

MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	EAT (°F)	LAT (°F)	INPUT (KW)	ELECTRICAL DATA VOLTS	PHASE	NOTES
DH#1	THERMOLEC	CUSTOM	400	60	100	4	208	3	1

PLUMBING PUMP SCHEDULE

NOTES:
1. BRONZE WITH REPLACEABLE CARTRIDGE, CONSTANT SPEED.

MARK	MANUFACTURER	MODEL	SERVES	PUMP TYPE	GPM	PUMP HEAD (FT WG)	MOTOR DATA HP	RPM	VOLTS	PHASE	NOTES
PP#1	BELL & GOSSETT	NBF-18S	BUILDING LOOP	INLINE	1	15	90W	3000	120	1	1

AIR BALANCE - OUTDOOR AIR: MAYO EFCU

MECHANICAL EQUIPMENT	ROOM NAME & NUMBER	AREA (SQ. FT)	PEOPLE	ASHRAE 62.1 REQUIREMENTS MAX SUPPLY CFM...	SPACE CLASSIFICATION	PEOPLE RATE (CFM/PER)	AREA RATE (CFM/SF)	Ez	Voz (CFM)	ACTUAL OUTDOOR AIR OA MIN %	OA Total CFM
SU1	OFFICE 113	120	3	120	OFFICE	5.0	0.06	0.8	28	23.1%	28
	OFFICE 112	120	3	120	OFFICE	5.0	0.06	0.8	28	23.1%	28
	OFFICE 111	122	3	120	OFFICE	5.0	0.06	0.8	28	23.3%	28
	OFFICE 110	145	3	150	OFFICE	5.0	0.06	0.8	30	19.8%	35
	CONF 109	115	4	200	OFFICE	5.0	0.06	0.8	34	16.8%	47
SU2	TOILET 115	65	1	100	BATHROOM	0.0	0.00	0.8	0	0.0%	23
	LOUNGE 118	115	3	120	BREAKROOM	5.0	0.06	0.8	27	22.8%	28
	ENTRANCE 116	100	0	120	CORRIDOR	0.0	0.06	0.8	8	6.3%	28
	WELLNESS 120	32	1	100	BREAKROOM	5.0	0.06	0.8	9	8.7%	23
	TOILET 119	57	1	100	BATHROOM	0.0	0.00	0.8	0	0.0%	23
	IT 106	100	0	100	STORAGE	5.0	0.06	0.8	8	7.5%	23
	STORAGE 108	52	0	100	STORAGE	5.0	0.06	0.8	4	3.9%	23
	TELLER 104	275	2	250	LOBBY	5.0	0.06	0.8	33	13.3%	58
	WAITING AREA 103	235	3	250	LOBBY	5.0	0.06	0.8	36	14.6%	58
	LOBBY 102	330	0	250	LOBBY	5.0	0.06	0.8	25	9.9%	58
	COPY 107	115	0	250	LOBBY	5.0	0.06	0.8	9	3.5%	58
TOTALS		2,098	27	2,450					304		570

NOTES:
1. REBALANCE EXISTING UNITS ACCORDING TO THE SCHEDULE.

BOILER - GAS FIRED SCHEDULE

NOTES:
1. PROVIDE WITH OPTIONAL CONDENSATE NEUTRALIZATION KIT, LOW WATER CUTOFF, CONCENTRIC VENT KIT, INTERFACE MODULE (CONNECTION TO BAS).
2. CAPACITY BASED ON 50% GLYCOL.

MARK	LOCATION ROOM NAME	ROOM NO.	MANUFACTURER	MODEL	WATER DATA FLOW RATE (GPM)	WATER PD (FT)	EWT (°F)	LWT (°F)	CONN (IN)	HEATER DATA INPUT (MBH)	OUTPUT (MBH)	THERMAL EFF. (%)	WATER VOLUME (GAL)	VENTING VENT (IN)	AIR (IN)	MATERIAL	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
B#1			LOCHINVAR	WHB285	11	5	130	160	1-1/4	199	189	95	5.0	3	3	PVC	120	1	4	5	15	220	1,2

FURNACE - GAS FIRED SCHEDULE

NOTES:
1. CONCENTRIC VENT KIT FOR VENT AND COMBUSTION AIR PIPES TO TERMINATE THROUGH A SINGLE EXIT.
2. SIDE RETURN INLET WITH FILTER RACK AND 1" FILTERS.
3. ECM FAN MOTORS.
4. ACID NEUTRALIZATION KIT FOR CONDENSATE PIPING.
5. HONEYWELL VISIONPRO 8000, PROGRAMMABLE THERMOSTAT.

MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW (CFM)	OUTSIDE AIR (CFM)	ESP (IN WG)	MOTOR (HP)	HEATING DATA EAT (°F)	LAT (°F)	INPUT (MBH) MIN	MAX	OUTPUT (MBH)	STAGES	COOLING DATA EAT DB/WB (deg F)	LAT DB/WB (deg F)	CAPACITY TOTAL (MBH)	CA CONN. SIZE (IN)	VENT CONN. SIZE (IN)	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
SU#1	CARRIER	060V14-14	1200		0.5	1/2	55	100	39	60	58	2	80/67	55/53	42	3	3	120	1	10.1	10.9	25	128	ALL
SU#2	CARRIER	040V14-10	800		0.5	1/2	55	100	26	40	39	2	80/67	55/53	24	3	3	120	1	6.3	7	20	126	ALL

CONDENSING UNIT - AIR COOLED SCHEDULE

NOTES:
1. PROVIDE REFRIGERANT PIPE QUANTITIES AND TRAPS PER MANUFACTURER'S PIPING SCHEMATIC. CONTRACTOR TO VERIFY REFRIGERANT LINE LENGTHS WITH MANUFACTURER FOR LINE SIZES.
2. PROVIDE WITH UNIT STAND-OFF KIT, AND FACTORY INSTALLED TXV. PROVIDE WITH LOW AMBIENT KIT.

MARK	MANUFACTURER	MODEL	SEER/EER	COOLING CAPACITY TOTAL (MBH)	CONDENSER DATA FAN NO	FAN MOTOR HP	NO COMP	AMB TEMP (deg F)	REFRIG. TYPE	MOTOR DATA VOLTS	PHASE	MCA	WEIGHT (LBS)	NOTES
CU#1	CARRIER	26TPA8	18	3	1	1/5	1	90	R-454B	208	1	20.9	214	ALL
CU#2	CARRIER	26TPA8	18	2	1	1/5	1	90	R-454B	208	1	15.5	171	ALL

FAN SCHEDULE

NOTES:
1. 24-INCH PREINSULATED HINGED ROOF CURB AND CURB MOUNTED LOW LEAK MOTORIZED DAMPER, ACTUATOR TO BE SAME VOLTAGE AS FAN MOTOR. VERIFY CURB HEIGHT WITH ROOF INSULATION...

MARK	MANUFACTURER	MODEL	FAN DATA CFM	ESP (IN WG)	RPM	MOTOR DATA DRIVE TYPE	BHP	HP	SONES	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
EF1	GREENHECK	G-098-VG	250	.5	1200	DIRECT	.05	1/6	5.4	208	1	1.5	1.9	15	54	1.

PUMP SCHEDULE

NOTES:
1. PUMP SIZING IS FOR BIDDING PURPOSES ONLY. FINAL PUMP SELECTION SHALL BE BASED ON FINAL RADIANT FLOOR LAYOUT.
2. CAPACITY BASED ON 50% PROPYLENE GLYCOL.

MARK	MANUFACTURER	MODEL	SERVES	TYPE	WATER FLOW (GPM)	PUMP HEAD (FT WG)	MOTOR DATA HP	VOLTS	PHASE	FLA	MCA	MOCP	NOTES
P#1	BELL & GOSSETT	PL-36B	BOILER	INLINE	10.7	25	1/6	120	1	2.1	2.6	20	1,2
P#2	BELL & GOSSETT	PL-30B	ZONE 1	INLINE	5.6	20	1/12	120	1	1.4	1.75	20	1,2
P#3	BELL & GOSSETT	PL-30B	ZONE 1	INLINE	5.6	20	1/12	120	1	1.4	1.75	20	1,2

GRAVITY VENTILATOR SCHEDULE

NOTES:
1. PROVIDE ROOF CURB, BIRD SCREEN, HINGE KIT, AND 120V MOTORIZED DAMPER.

MARK	LOCATION ROOM NAME	ROOM NO	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	VELOCITY (FPM)	MAX PD (IN WG)	OVERALL HOOD SIZE W x L x H (IN)	THROAT SIZE W x L x H (IN)	CURB HEIGHT (IN)	NOTES
RH-1	ROOF	- -	GREENHECK	RCS3	INTAKE	570	400	0.05	26 x 24 x 14	12 x 12 x 5	12"	1

AIR SEPARATOR SCHEDULE

NOTES:
1.

MARK	MANUFACTURER	MODEL	SERVICE	FLUID FLOW (GPM)	MAX PD (FT)	PIPE SIZE (IN)	NOTES
AS#1	SPIROTHERM	VDR 100TM	SNOWMELT	3	2	1	

EXPANSION TANK SCHEDULE

NOTES:
1. WATER IS A SOLUTION OF 50% GLYCOL.

MARK	MANUFACTURER	MODEL	SERVICE	EST. SYSTEM VOLUME (GAL)	TANK VOLUME (GAL)	ASME RATING (PSI)	OPERATING TEMP (°F)	NOTES
ET#1	WESSELS	NLA-35	SNOWMELT	30	9	125	140	1

DIFFUSER, REGISTER, & GRILLE SCHEDULE

NOTES:
1. CONTRACTOR IS RESPONSIBLE TO VERIFY LOCATIONS, INSTALLATION METHODS, AND QUANTITIES PRIOR TO ORDERING MATERIALS.
2. VERIFY FRAME TYPE: PLASTER OR LAY-IN FRAME.
3. MANUFACTURERS OPTIONAL INSULATED ALUMINUM PLENUM BOX.
4. PROVIDE TRM MOUNTING FRAME.
5. PROVIDE MANUFACTURERS REMOTE DAMPER.

MARK	MANUFACTURER	MODEL	LOCATION	AIR	TYPE	FEATURES	DAMPER	MAX STATIC P.D. (IN WG)	FINISH	NOTES
A	TITUS	TMS	LAY-IN CEILING	SUPPLY	DIFFUSER	24"x24", NECK SIZE ON PLAN	N	0.1	WHITE	1,2
B	TITUS	TMS	LAY-IN CEILING	SUPPLY	DIFFUSER	12"x12", NECK SIZE ON PLAN	N	0.1	WHITE	1,2,4
C	TITUS	272RL	SURFACE	SUPPLY	REGISTER	SIZE ON PLAN	N	0.1	WHITE	1,2
AA	TITUS	50F	LAY-IN CEILING	RETURN	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2
BB	TITUS	50F	LAY-IN CEILING	RETURN	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2
EE	TITUS	50F	LAY-IN CEILING	EXHAUST	GRILLE	SIZE ON PLAN	N	0.1	WHITE	1,2

SPLIT SYSTEM COOLING OUTDOOR UNIT SCHEDULE

NOTES:
1. MAINTAIN MANUFACTURERS RECOMMENDATIONS FOR SERVICE ACCESS TO UNIT. PROVIDE MANUFACTURERS REFRIGERANT LINE SETS, PROVIDE CUSTOM SIZING AS REQUIRED FOR...
2. INSTALL CONDENSING UNIT WITH RUBBER SUPPORT BLOCKS, MAINTAIN MANUFACTURER REQUIRED CLEARANCES.
3. LOW AMBIENT KIT FOR OPERATION DOWN TO -20°F.

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY (TONS)	REFRIGERANT TYPE	CAPACITY CLG (MBH)	SEER /EER	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	MOCP	WEIGHT (LBS)	NOTES
CU#3	CARRIER	PUY-A18NKA7	1.5	R454B	18	19.5	208	1	12.8	16	30	218	1,2

SPLIT SYSTEM COOLING INDOOR UNIT SCHEDULE

NOTES:
1. PROVIDE WIRED WALL THERMOSTAT AND INTEGRAL CONDENSATE PUMP.

MARK	MANUFACTURER	MODEL	TYPE	CAP (MBH)	FAN DATA CFM	ELECTRICAL DATA VOLTS	PHASE	FLA	MCA	WEIGHT (LBS)	NOTES
AC#1	MITSUBISHI	PKA-A18GA	WALL	18	425	208	1	0.1	16	28	1

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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS
DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

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Emanuelson-Podas, Inc.
7705 Bush Lake Road
Edina, MN 55439
(952) 930-0050 | www.epinc.com

MECHANICAL SCHEDULES

Drawn By: JB & DM Checked By: JH

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SEQUENCE OF OPERATION:

1.1 SNOWMELT SYSTEM

A. BAS SHALL INTERFACE WITH FACTORY PROVIDED BOILER CONTROLLER THROUGH BACNET COMMUNICATION TO MONITOR SYSTEM.

B. BOILERS, **B-1**

1. BOILERS SHALL OPERATE, AND SEQUENCE BASED ON CONTROLS PROVIDED WITH BOILERS. BUILDING CONTROL SYSTEM SHALL ENABLE/DISABLE BOILER SYSTEM, SET SUPPLY WATER TEMPERATURES, MONITOR AND DISPLAY ALARMS. COORDINATE BAS CONTROLS INSTALLATION WITH BOILER SUPPLIED CONTROLS.
2. INPUT DEVICES:
   a. OUTSIDE AIR TEMPERATURE SENSOR.
   b. SLAB MOISTURE SENSOR.
   c. SLAB TEMPERATURE SENSOR.
   d. SNOWMELT SUPPLY WATER TEMPERATURE SENSORS.
   e. SNOWMELT RETURN WATER TEMPERATURE SENSORS.
3. ACTION:
   a. ENABLE BOILER SYSTEM WHEN OUTSIDE AIR TEMPERATURE AND THE SLAB TEMPERATURE ARE BELOW 35°F (ADJ.).
   b. IF SNOW/MOISTURE IS DETECTED FROM ANY ZONE SLAB MOISTURE SENSOR, PUMP SHALL RUN CONTINUOUSLY. OPEN THE AFFECTED ZONE CONTROL VALVE.
   c. THE BOILER SHALL MODULATE THE OUTPUT TO MAINTAIN SUPPLY WATER TEMPERATURE OF 110°F (ADJ.) IN THE SNOW MELT LOOP UNTIL SLAB MOISTURE SENSOR IS SATISFIED.
   d. ONCE THE ZONE SLAB MOISTURE SENSOR IS SATISFIED CLOSE THE ZONE CONTROL VALVE.
   e. DEACTIVATE THE SNOW MELT SYSTEM ONCE ALL ZONE MOISTURE SENSORS ARE SATISFIED.

C. BUILDING CIRCULATING PUMPS, **P-1**:
1. PUMP CONTROL (VARIABLE SPEED):
   a. ACTIVATE LEAD PUMP AT MINIMUM SPEED WHENEVER A BOILER SYSTEM IS ACTIVATED.
   b. PUMP SHALL MODULATE FROM INTERNAL PUMP CURVES PRE-PROGRAMMED AT FACTORY. SET PUMP OPERATION TO CONSTANT PRESSURE CURVE. INTERNAL CONTROLS SHALL MODULATE ECM OUTPUT TO MAINTAIN DIFFERENTIAL PRESSURE. CONTROLLER SHALL MONITOR PUMP SPEED AND DISPLAY ON GRAPHICS.
   c. ACTIVATE STANDBY PUMP UPON A FAILURE OF PRIMARY PUMP STATUS AND ALARM ON THE BAS.

D. . HYDRONIC FLUSHING
1. BAS SHALL HAVE THE FOLLOWING COMMANDS:
   a. CLOSE ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVES
   b. OPEN ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVES
   c. RELINQUISH ALL TERMINAL EQUIMENT (NON-AHU) CONTROL VALVE

E. ALARMS:
1. BOILER FAILURE: BOILER IS COMMANDED ON BUT IS OFF
2. BOILER RUNNING IN HAND: BOILER IS COMMANDED OFF BUT IS ON
3. HIGH SUPPLY WATER TEMPERATURE: >10°F (ADJ.) ABOVE SETPOINT
4. LOW SUPPLY WATER TEMPERATURE: >10°F (ADJ.) BELOW SETPOINT
5. PUMP FAILURE: PUMP IS COMMANDED ON BUT IS OFF
6. PUMP RUNNING IN HAND: PUMP IS COMMANDED OFF BUT IS ON
7. ZONE VALVE FAILURE: VALVE IS COMMANDED OPEN BUT IS CLOSED
8. ZONE VALVE IN HAND: VALVE IS COMMANDED CLOSED BUT IS OPEN

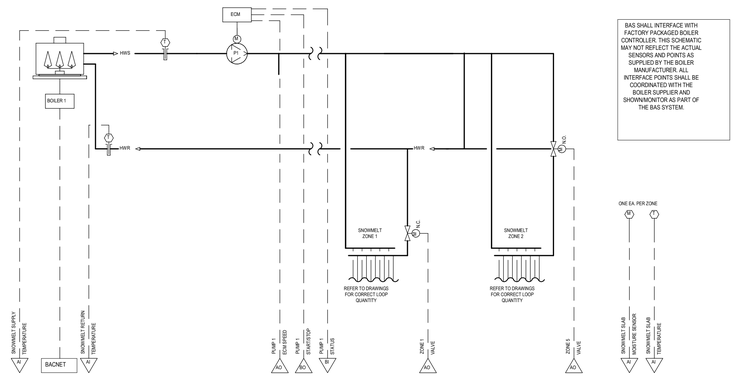
POINTS LIST: SNOWMELT SYSTEMS

POINT NAME	HARDWARE POINTS AI	AO	BI	BO	SOFTWARE POINTS AV	BV	BACNET	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
HOT WATER RETURN TEMPERATURE	X									X	X	X
HOT WATER SUPPLY TEMPERATURE	X									X	X	X
HOT WATER DIFFERENTIAL PRESSURE	X									X	X	X
SLAB MOISTURE SENSOR	X									X	X	X
SLAB TEMPERATURE	X									X	X	X
PUMP 1 ECM SPEED		X								X		X
ZONE 1 VALVE		X								X		X
ZONE 2 VALVE		X								X		X
PUMP 1 STATUS			X							X	X	X
PUMP 1 START / STOP				X						X		X
DIFFERENTIAL PRESSURE SETPOINT					X					X		X
OUTSIDE AIR TEMPERATURE					X					X	X	X
SLAB TEMPERATURE SET POINT					X					X	X	X
SUPPLY WATER TEMPERATURE SETPOINT					X					X		X
CURRENT MODE						X			X		X	
BOILER							X				X	X

POINT NAME	HARDWARE POINTS AI	AO	BI	BO	SOFTWARE POINTS AV	BV	LOOP	SCHED	TREND	ALARM	SHOW ON GRAPHIC
BOILER FAILURE										X	
BOILER RUNING IN HAND										X	
PUMP 1 FAILURE										X	
PUMP 1 RUNNING IN HAND										X	
ZONE VALVE 1-2 FAILURE										X	
ZONE VALVE 1-2 IN HAND										X	
HIGH HOT WATER SUPPLY TEMPERATURE										X	
LOW HOT WATER SUPPLY TEMPERATURE										X	

BOILER INTERFACE MONITOR: CURRENT BOILER STATUS AND OPERATING CONDITIONS WILL BE MONITORED THROUGH ITS COMMUNICATIONS INTERFACE PORT. THE BACNET INTERFACE WILL MONITOR AND TREND THE POINTS AS SHOWN ON THE POINTS LIST.

BURNER CYCLES					X						X
HOT WATER RETURN TEMP					X				X		X
HOT WATER SUPPLY TEMP					X				X		X
HOT WATER SUPPLY TEMP SETPOINT					X				X		X
OPERATING HOURS					X						X
OPERATING PRESSURE					X				X		X
OPERATING TEMP					X				X		X
BOILER STATUS						X			X		X
HOT WATER FLOW STATUS			X						X		X



1 CONTROL DIAGRAM: SNOW MELT - HYDRONIC
NO SCALE

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 2026-03-27
REVISIONS
DATE NO

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota

Reg No. Date

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Edina, MN 55439
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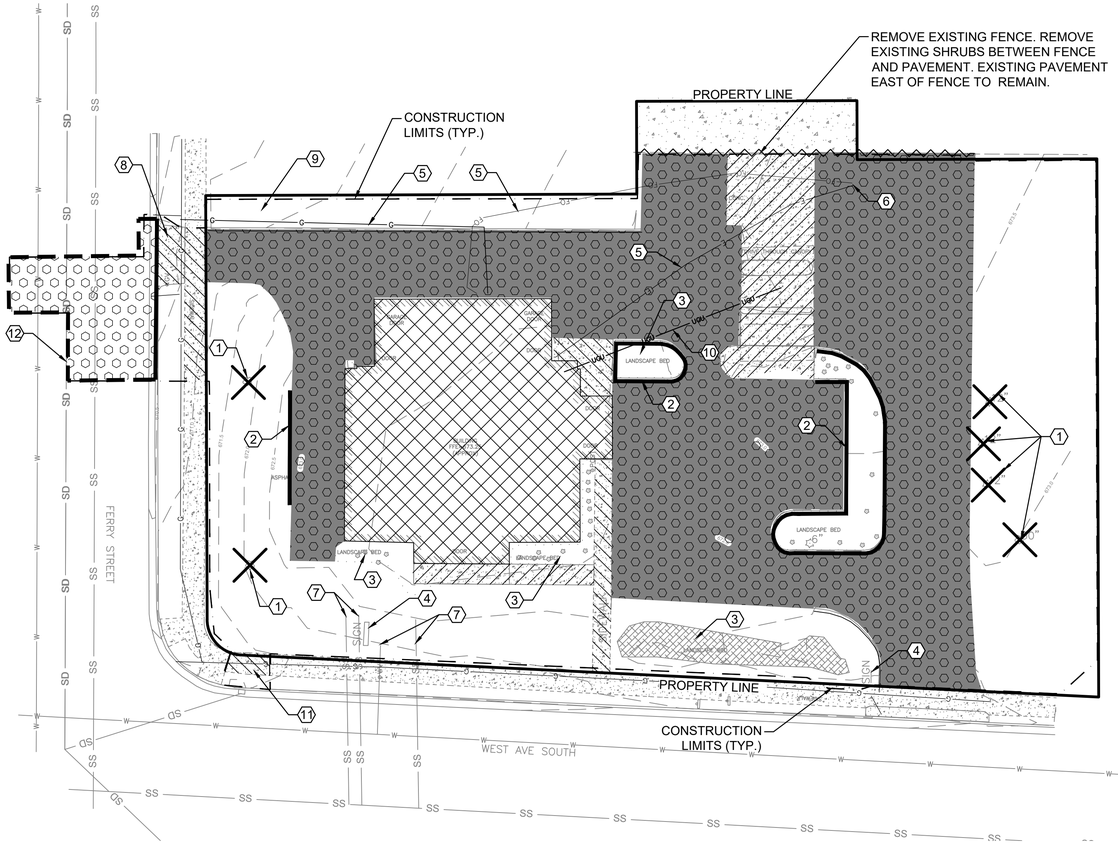
MECHANICAL CONTROLS

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PERMITTING

THE CONTRACTOR SHALL OBTAIN AND MAINTAIN ALL PERMITS, LICENSES, AND APPROVALS REQUIRED FOR THE WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PERMIT REQUIREMENTS WITH ALL AUTHORITIES HAVING JURISDICTION AND ENSURING THAT ALL REQUIRED PERMITS ARE OBTAINED AND ACTIVE BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES. PERMITS MAY BE REQUIRED FROM, THE CITY OF LA CROSSE, WISCONSIN DEPART OF NATURAL RESOURCES (WIDNR), UTILITY PROVIDERS, AND OTHER APPLICABLE AGENCIES. PERMITS AND APPROVALS MAY INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING :

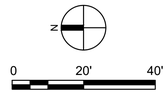
- BUILDING PERMIT
- SITE/LAND DISTURBANCE PERMIT
- EROSION CONTROL PERMIT
- RIGHT OF WAY FOR WORK IN PUBLIC STREETS OR SIDEWALKS (CITY OR STATE)
- WATER SERVICE CONNECTION PERMIT
- SANITARY SERVICE CONNECTION PERMIT
- UTILITY RELOCATION OR COORDINATION PERMITS WITH APPLICABLE UTILITY COMPANIES
- WIDNR CONSTRUCTION SITE STORMWATER PERMIT
- DEWATERING PERMIT IF GROUND WATER PUMPING IS REQUIRED

THIS LIST IS NOT INTENDED TO BE COMPREHENSIVE. THE CONTRACTOR SHALL BE RESPONSIBILE FOR INDENTIFYING AND OBTAINING ANY ADDITIONAL PERMITS OR APPROVALS REQUIRED TO COMPLETE THE WORK IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED.

CALL 48 HOURS BEFORE DIGGING:

DIGGERS HOTLINE

(800) 242-8511



LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND UTILITY
- SAWCUT LINE
- REMOVE EXISTING CONCRETE C&G
- REMOVE BITUMINOUS PAVEMENT
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING BUILDING
- REMOVE EXISTING TREE

DEMOLITION NOTES

1. UTILITIES SHOWN HERE ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN THEIR ACCURACY. VERIFY WORK. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
2. CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATOR AS NECESSARY TO VERIFY UNDERGROUND UTILITIES. UTILITIES SHOWN ON PLANS MAY VARY FROM EXISTING CONDITIONS, AND CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITY LINES SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY.
3. ALL UNDERGROUND UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON SITE. CALL WISCONSIN ONE-CALL AT 800-242-8511 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO SCHEDULE UTILITY LOCATIONS FOR THIS SITE. CONTRACTOR TO REPAIR ANY DAMAGED UNDERGROUND UTILITIES DURING CONSTRUCTION AT NO COST TO OWNER.
4. CONTRACTOR SHALL PROVIDE DIGITAL RECORD OF ALL EXISTING CONDITIONS TO REMAIN IN PLACE THAT MAYBE DAMAGED CAUSED BY REGULAR CONSTRUCTION OPERATIONS.
5. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS, SIZE, AND TYPE OF ALL SANITARY, STORM, AND WATERMAIN CONNECTION LOCATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER & OWNER OF DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION, REMOVAL, AND DISPOSAL.
7. ALL MATERIAL DESIGNATED FOR REMOVAL TO BECOME PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL HAUL MATERIAL OFF-SITE AND DISPOSE IN A RESPONSIBLE MANNER.
8. CONTRACTOR TO COORDINATE WITH SMALL UTILITY OWNER FOR REMOVAL/REPLACEMENT WORK.
9. CONTRACTOR TO REVIEW ALL TREE AND OTHER SIGNIFICANT LANDSCAPE REMOVAL LIMITS WITH OWNER PRIOR TO CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING TREE (TYP)
2. REMOVE EXISTING CONCRETE CURB & GUTTER
3. REMOVE LANDSCAPE AREAS. REFER TO SITE GEOTECHNICAL REPORT FOR MORE INFORMATION ON SUBGRADE ORGANIC REMOVALS.
4. REMOVE EXISTING SIGN.
5. REMOVE AND RELOCATE UNDERGROUND ELECTRIC, GAS, AND FIBER OPTIC LINES. CONTRACTOR TO COORDINATE WITH RESPECTIVE SMALL UTILITY OWNER ON RELOCATED LOCATION.
6. REMOVE EXISTING POWER POLE
7. CONTRACTOR TO REMOVE EXISTING BUILDING WATER AND SANITARY SERVICE TO PROPERTY LINE. BEFORE CONSTRUCTION ACTIVITIES BEGIN, FIELD VERIFY VIA EXCAVATION OR PRIVATE UTILITY LOCATE EXACT LOCATION OF WATER AND SANITARY SEWER CONNECTION TO CITY INFRASTRUCTURE. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF DISCREPANCIES FROM THE PLANS ARE FOUND.
8. CONTRACTOR TO COORDINATE WITH CITY ON APRON, SIDEWALK, AND UTILITY INSTALLATION WITH TIMING TO STREET RECONSTRUCTION
9. CLEAR AND GRUB EXISTING TREE LINE PER OWNERS DIRECTION
10. CONTRACTOR TO LOCATE AND REMOVE EXISTING DRIVE-TRHU PNEUMATIC TELLER TUBE SYSTEM AND ALL ASSOCIATED COMPONENTS SERVING THE EXISTING BANK DRIVE-THRU, INCLUDING BUT NOT LIMITED TO, THE 32" TYPE SYSTEM, CARRIERS, TUBING, BLOWERS, MOTORS, CONTROL EQUIPMENT, WIRING, SUPPORTS, AND ANY ASSOCIATED FOUNDATIONS AND MOUNTING HARDWARE.
11. REMOVE CONCRETE SIDEWALK FOR STORM CONNECTION
12. FULL DEPTH SAWCUT PERPENDICULAR TO TRAFFIC

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 — REG. NO.
03/27/2026 — DATE

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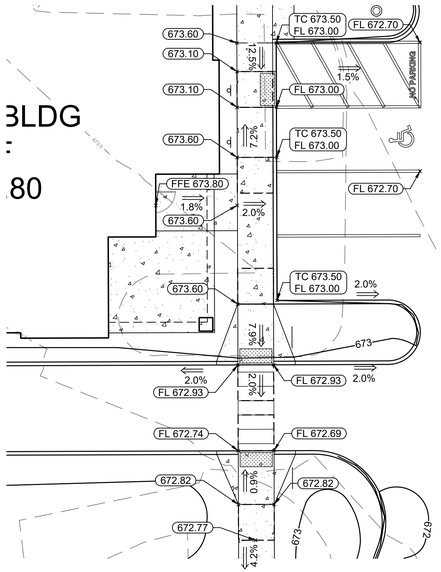
DEMOLITION PLAN

DRAWN BY: BN CHECKED BY: BF

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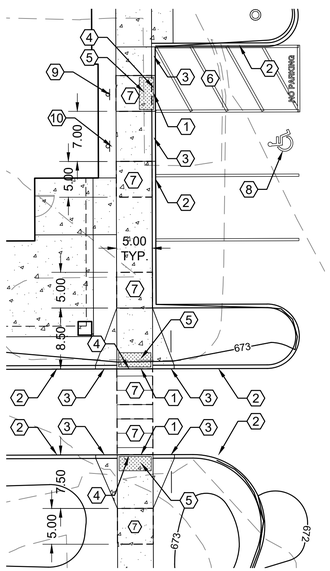
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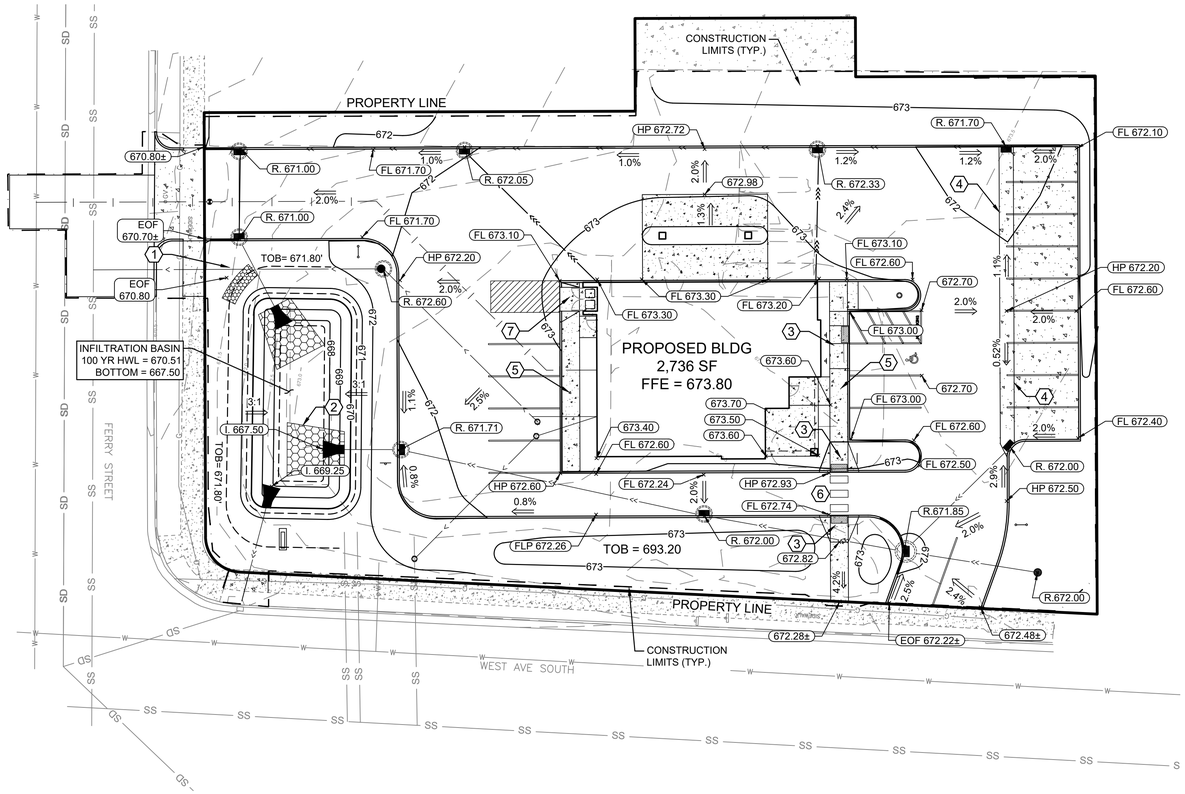
1 ACCESSIBLE RAMPS GRADING DETAIL

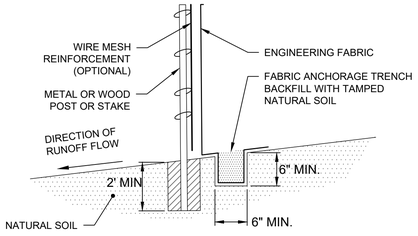
SCALE:1" = 10'



2 ACCESSIBLE RAMPS DIMENSIONS DETAIL

SCALE:1" = 10'

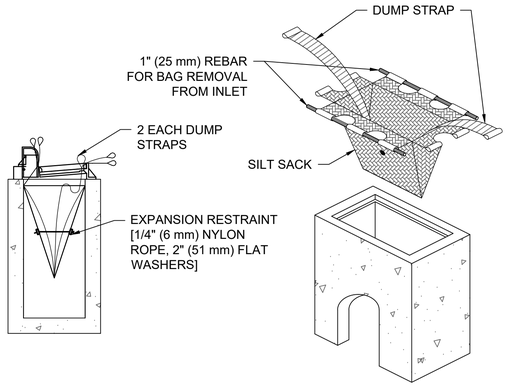

PROPERTY LINE
CONSTRUCTION LIMITS (TYP.)
PROPOSED BLDG
2,736 SF
FFE = 673.80
INFILTRATION BASIN
100 YR HWL = 670.51
BOTTOM = 667.50
TOB= 671.80'
EOF
670.70±
EOF
670.80
670.80±
I. 667.50
I. 669.25
TOB= 671.80'
FERRY STREET
TOB = 693.20
FLP 672.26
HP 672.72
HP 672.20
HP 672.60
HP 672.93
HP 672.50
R. 671.00
R. 671.00
R. 671.70
R. 672.05
R. 672.60
R. 671.71
R. 672.98
R. 672.33
R. 671.70
R. 672.10
R. 672.00
R. 672.00
R.671.85
R. 672.00
FL 671.70
FL 673.10
FL 673.30
FL 673.20
FL 673.10
FL 672.60
FL 673.00
FL 672.60
FL 672.50
FL 672.24
FL 672.74
672.70
672.70
673.00
673.40
673.60
673.70
673.50
673.60
672.82
672.28±
EOF 672.22±
672.48±
672.60
672.20
672.60
672.40
672
673
1.0%
1.2%
2.0%
1.3%
2.4%
1.1%
0.52%
2.5%
0.8%
4.2%
2.5%
2.4%
2.0%
2.0%
2.0



NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES.

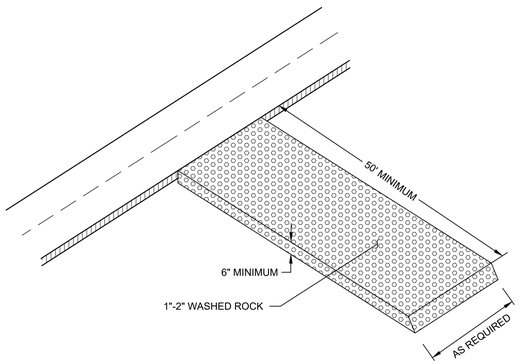
5 TYPICAL SILT FENCE DETAIL

SCALE:N.T.S.



6 TYPICAL INLET PROTECTION DETAIL

SCALE:N.T.S.

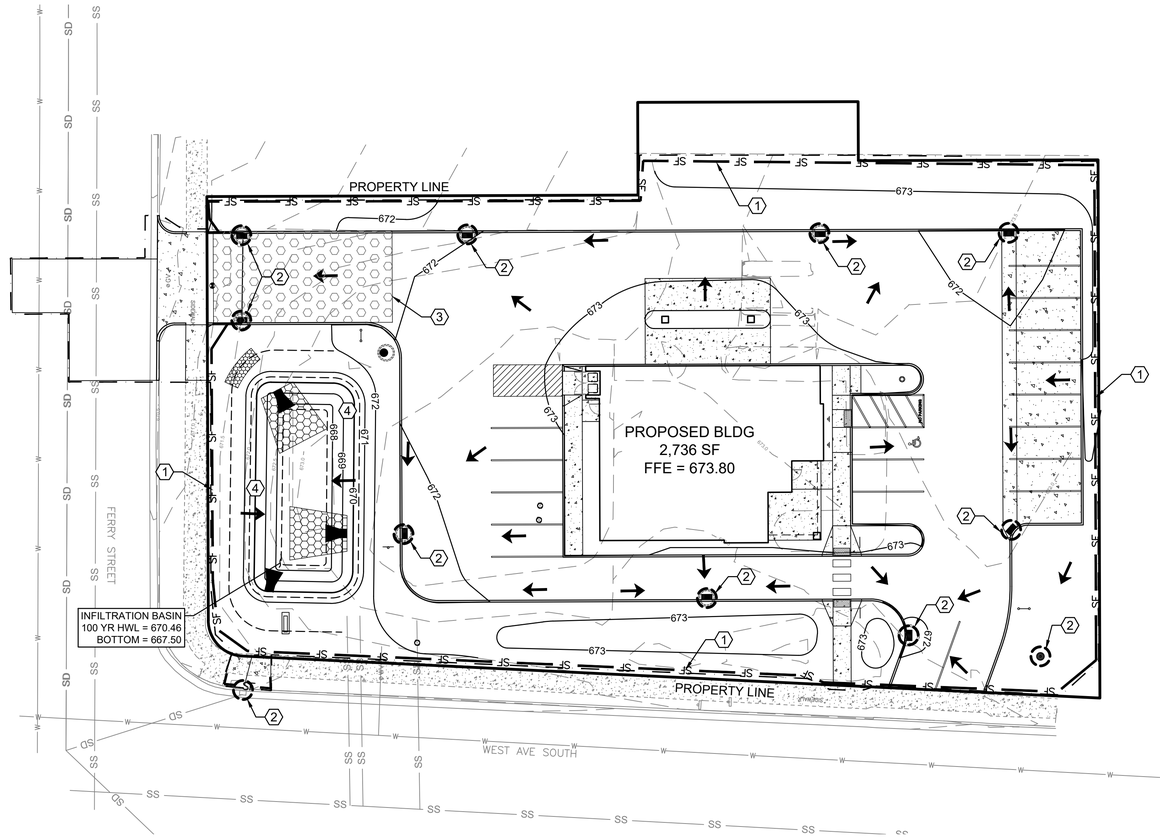


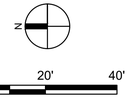
7 ROCK CONSTRUCTION ENTRANCE DETAIL

SCALE:N.T.S.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

ITEM	INSTALLATION	INSPECTION & MAINTENANCE	REMOVAL
SILT FENCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED.	AFTER TRIBUTARY DRAINAGE AREA IS RESTORED.
ROCK CONST. ENTRANCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT REGULARLY. MAINTAIN AS NEEDED.	PRIOR TO PAVING.
SEED & MULCH	AFTER POND GRADING IS COMPLETED.	INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY	NO REMOVAL NECESSARY.
INLET PROTECTION	UPON INLET CONSTRUCTING	WHEN 1/3 CAPACITY OF BMP IS REACHED	AFTER TRIBUTARY AREAS ARE FULLY RESTORED





LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- DRAINAGE ARROW
- SF SILT FENCE
- INLET PROTECTION
- ROCK ENTRANCE
- BIO-ROLL

KEY NOTES

1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THEDURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE EXPOSED CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE. (Rev. February 2017)
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. (Rev. February
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
15. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE CITY OR OWNER. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRITE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: https://dnr.wi.gov/botw
29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS.. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

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ISSUED SET MARCH 27, 2026
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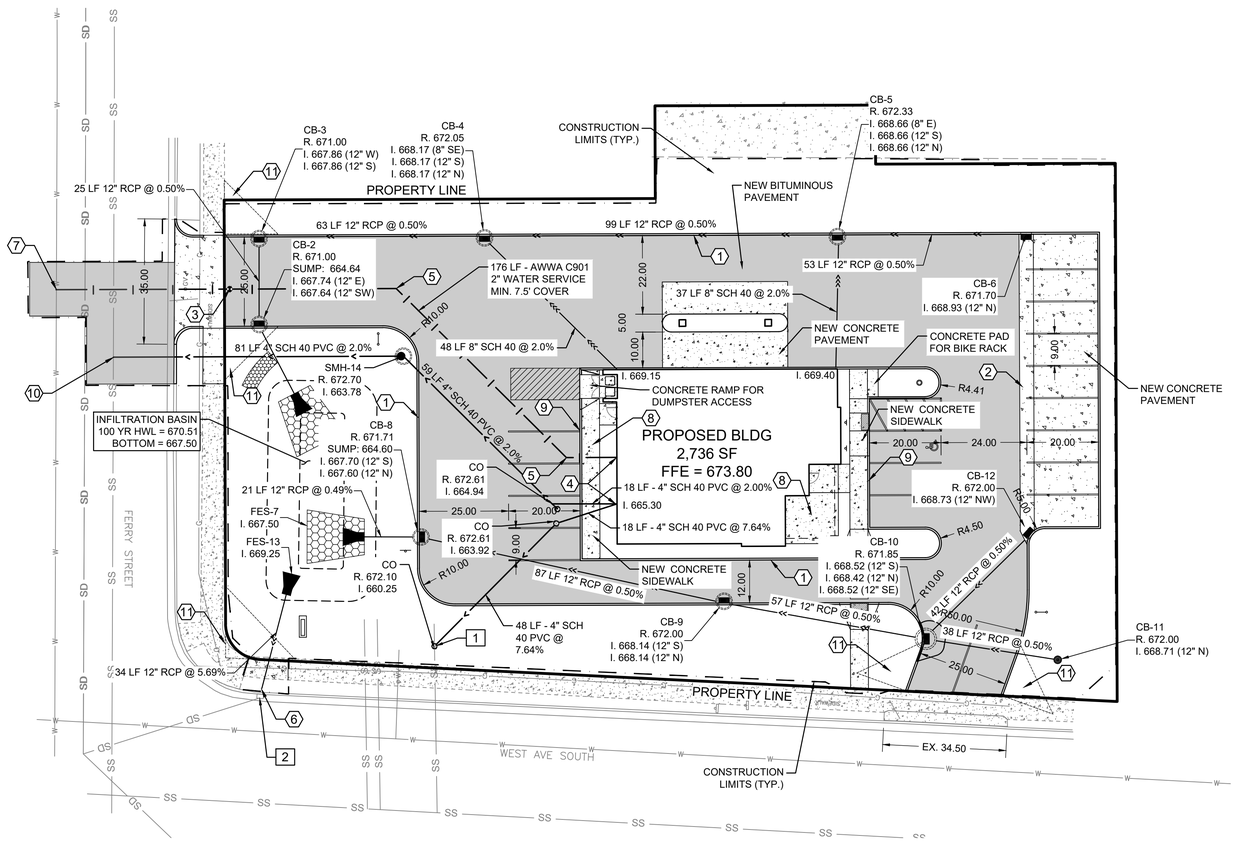
EROSION & SEDIMENT CONTROL PLAN

DRAWN BY: BN CHECKED BY: BF

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BID ALTERNATES

1 CONNECT NEW BUILDING SANITARY SERVICE TO EXISTING SANITARY SERVICE STUB AT ELEVATION 660.25±

2 RECONSTRUCT CITY CATCH BASIN IN STREET WITH NEW 48" MANHOLE TO FIT NEW 12" PIPE FROM EAST AND EXISTING 12" PIPE TO NORTHWEST. REMOVE AND REPLACE BITUMINOUS ROADWAY SURFACE AS REQUIRED.

STRUCTURE SCHEDULE

STRUCTURE NO.	SIZE	CASTING & NOTES (NEEHAN)
FES–1	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–2	48" ROUND	R–3067–V
CB–3	48" ROUND	R–3067–V
CB–4	48" ROUND	R–3067–V
CB–5	48" ROUND	R–3067–V
CB–6	2'X3' REC	R–3067–V
FES–7	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–8	48" ROUND	R–3067–V
CB–9	48" ROUND	R–3067–V
CB–10	60" ROUND	R–3067–V
CB–11	48" ROUND	R–2501
CB–12	2'X3' REC	R–3067–V
FES–13	12" ROUND	INSTALL TRASH GUARD
SMH–14	48" ROUND	R–1642–SOLID "SANITARY"

N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- BITUMINOUS PAVMENT
- CONCRETE WALK / PAVEMENT
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLETS

KEY NOTES

1. PROPOSED STANDARD CONCRETE CURB & GUTTER. SEE DETAIL 12/C5.
2. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER. SEE DETAIL 7/C5.
3. INSTALL NEW 2" CURB STOP. CONTRACTOR TO VERIFY EXISTING SERVICE SIZE.
4. UTILITY SERVICE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL PLAN OR MASTER PLUMBER PRIOR TO INSTALLATION.
5. INSTALL 45° BEND AS SHOWN
6. CONNECT TO EXISTING MANHOLE VIA CORE DRILL AT ELEVATION 667.32±. REMOVE AND REPLACE CONCRETE WALK WITHIN ROW PER CITY STANDARDS.
7. CONNECT TO EXISTING WATERMAIN VIA SADDLE AND WET TAP.
8. CONCRETE WALK TO BE INSTALLED WITH SNOW MELT SYSTEM. SEE MECHANICAL FOR DETAILS.
9. CONCRETE SIDEWALK AND CONCRETE GUTTER TO BE ONE MONOLITHIC POUR. SEE DETAIL 10/C5 AND 11/C5.
10. CONNECT TO TOP OF EXISTING SANITARY SEWER USING A LATERAL RISER. SEE DETAIL 5/C5. RISER HEIGHT APPROX. 2.0'. EX. 12" INV = 658.80±.
11. SIGHT TRIANGLE. 15' AT DRIVEWAYS. 20' AT STREET INTERSECTIONS.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND PER THE GEOTECHNICAL REPORT UNLESS DIRECTED OTHERWISE.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE CURRENT EDITION OF THE WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, UNLESS DIRECTED OTHERWISE.
3. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY, DEPT. OF HEALTH, AND WISDOT PERMITS. VERIFY RECEIPT OF ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
4. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION PROVIDED BY THE OWNER ON A SURVEY PREPARED BY REAL LAND SURVEYING. BE ADVISED THAT THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND DEPTH OF ALL UNDERGROUND UTILITIES.
5. ALL HANDICAPPED STALLS AND ACCESS RAMPS SHALL COMPLY WITH CURRENT ADA STANDARDS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF BUILDING ENTRANCES.
6. WATER LINES ARE REQUIRED TO BE INSTALLED AT 7.5 FEET MINIMUM DEPTH AND PROVIDE MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER. WATERMAIN TO BE INSULATED STATE SPECIFICATIONS, WHERE COVER DEPTHS CANNOT BE ACHIEVED. CONTRACTOR SHALL CONTACT THE ENGINEER IF THERE ARE AREAS WHERE MINIMUM COVER DEPTH CANNOT BE MET.
7. WATER SERVICE MATERIALS SHALL BE AWWA C901. CONTRACTOR SHALL VERIFY SERVICE SIZE AND MATERIALS PRIOR TO CONSTRUCTION.
8. SANITARY SEWER PIPE MATERIALS SHALL BE SCH 40 PVE. PIPE SHALL BE INSULATED PER STATE STANDARDS WHERE 7.5 FOOT COVER DEPTHS ARE NOT ACHIEVED.
9. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE WATER TIGHT. APPROVED RESILIENT RUBBER JOINTS MUST BE USED MEETING ASTM F2510 TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES AND CATCH BASINS. DO NOT GROUT OVER FLEXIBLE CONNECTIONS TO MANHOLES.
10. CONTRACTOR TO PROVIDE TRACER WIRE FOR ALL NON-METALLIC PIPE PER CITY OF LA CROSSE STANDARDS.
11. STORM SEWER TO BE RCP CONFORMING TO ASTM C76 CLASS III MINIMUM UNLESS NOTED OTHERWISE. JOINTS SHALL BE RUBBER GASKETED BELL AND SPIGOT MEETING ASTM C443. PIPE SHALL BE MANUFACTURED BY A NPCA OR ACPA CERTIFIED PLANT.
12. INSTALL PER WISDOT STANDARD SPECIFICATIONS SECTION 520 AND APPLICABLE STANDARD DETAIL DRAWINGS. PROVIDE CLASS B BEDDING MINIMUM UNLESS OTHERWISE SHOWN. COMPACT GRANULAR BACKFILL TO 95% STANDARD PROCTOR WITHIN THE PIPE ZONE. M AINTAIN LINE AND GRADE. WATERTIGHT JOINTS REQUIRED.

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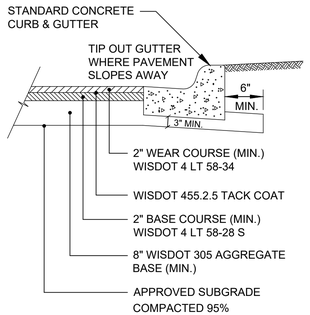
UTILITY & PAVING PLAN

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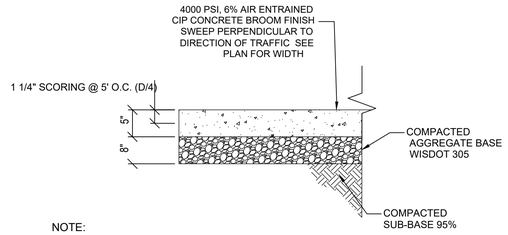


NOTE:

1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.

1 BITUMINOUS PAVEMENT SECTION

SCALE:N.T.S.

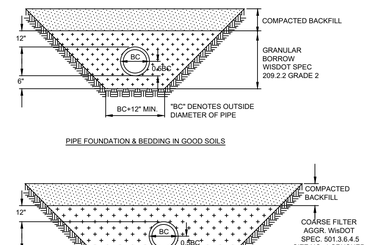


NOTE:

1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

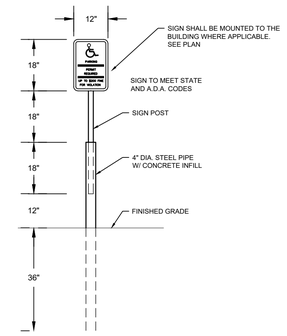
2 CONCRETE PAVEMENT SECTION

SCALE:N.T.S.



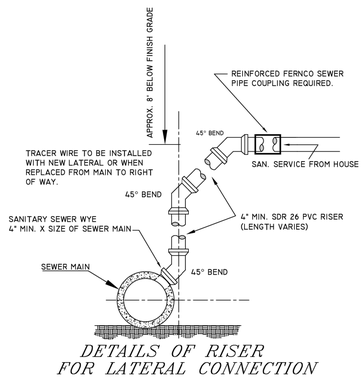
3 PVC SEWER BEDDING

SCALE:N.T.S.



4 ACCESSIBLE PARKING SIGN

SCALE:N.T.S.

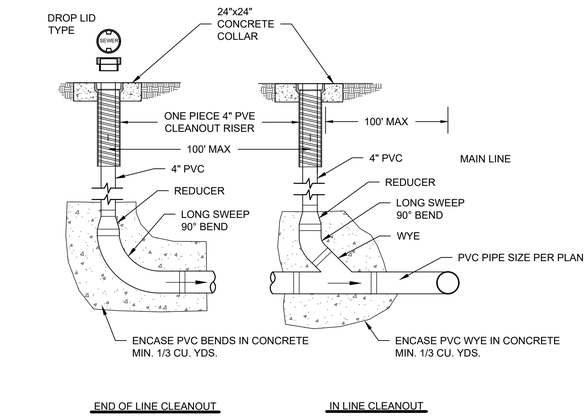


DETAILS OF RISER FOR LATERAL CONNECTION

NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-6 FOR MORE INFORMATION.

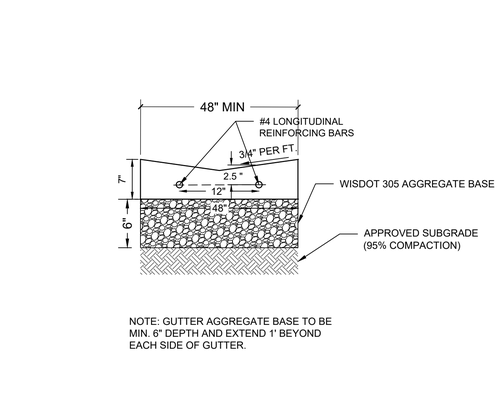
5 SANITARY RISER CONNECTION

SCALE:N.T.S.



6 ROOF DRAIN CLEANOUT DETAIL

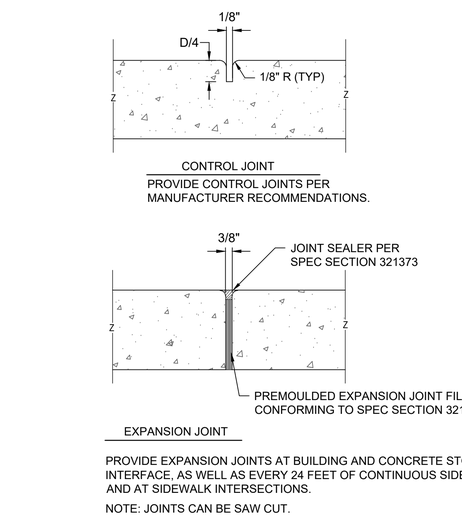
SCALE:N.T.S.



NOTE: GUTTER AGGREGATE BASE TO BE MIN. 6" DEPTH AND EXTEND 1' BEYOND EACH SIDE OF GUTTER.

7 CONCRETE VALLEY GUTTER

SCALE:N.T.S.



CONTROL JOINT

PROVIDE CONTROL JOINTS PER MANUFACTURER RECOMMENDATIONS.

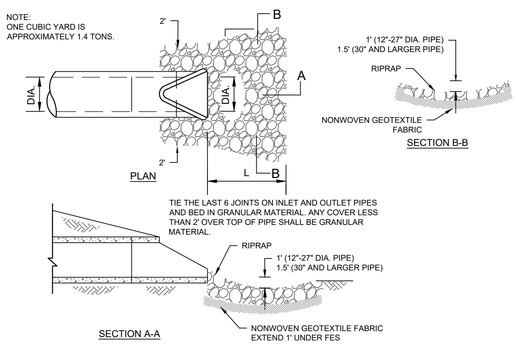
EXPANSION JOINT

PROVIDE EXPANSION JOINTS AT BUILDING AND CONCRETE STOOP INTERFACE, AS WELL AS EVERY 24 FEET OF CONTINUOUS SIDEWALK AND AT SIDEWALK INTERSECTIONS.

NOTE: JOINTS CAN BE SAW CUT.

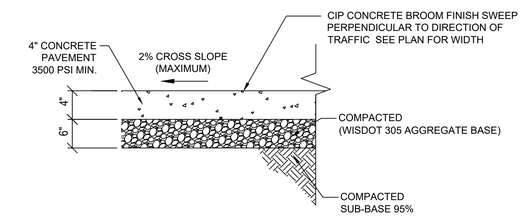
8 JOINTING DETAIL

SCALE:N.T.S.



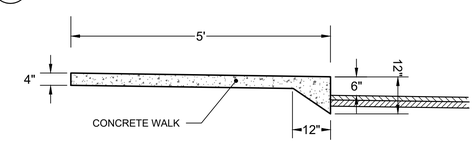
9 FLARED END SECTION

SCALE:N.T.S.



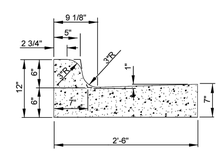
10 CONCRETE WALK SECTION

SCALE:N.T.S.



11 MONOLITHIC CURB AND SIDEWALK

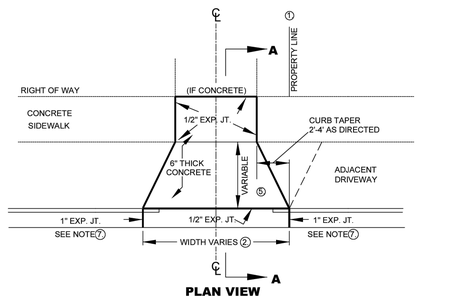
SCALE:N.T.S.



NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.

12 STANDARD CURB AND GUTTER SECTION

SCALE:N.T.S.



NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.

13 SRANDARD DRIVEWAY DETAIL

SCALE:N.T.S.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS

DATE	NO.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

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REG. NO. DATE

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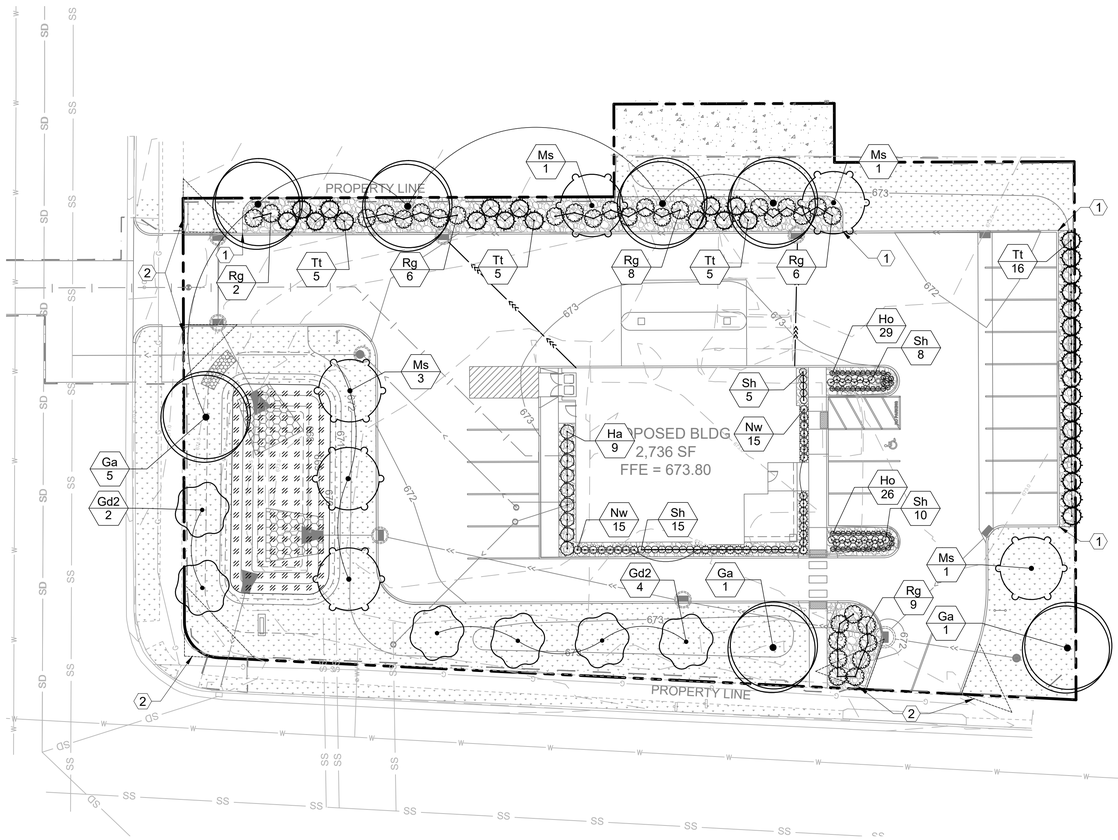
CIVIL DETAILS

DRAWN BY: BN CHECKED BY: BF

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0 20' 40'

LEGEND

- PROPERTY LIMITS
- 966 PROPOSED MINOR CONTOUR
- 965 PROPOSED MAJOR CONTOUR
- SOD WITH IRRIGATION
- WET DETENTION SEED MIX
- 3" DEEP ROCK MULCH W/ LANDSCAPE FABRIC
- METAL EDGER

NOTES

1. PER CITY OF LA CROSSE, IRRIGATION IS REQUIRED.
2. IF A DISCREPANCY IS FOUND, THE PLANTING PLAN SHALL OVERRIDE THE PLANT SCHEDULE.
3. SEE CIVIL SHEETS FOR EROSION CONTROL BLANKET LOCATIONS.

KEY NOTES

1. START / STOP METAL EDGER
2. SIGHT TRIANGLE. 15' AT DRIVEWAYS. 20' AT STREET INTERSECTIONS.

CITY OF LA CROSSE LANDSCAPE REQUIREMENTS:

SITE SF NOT OCCUPIED BY BUILDINGS OR PAVED SURFACES = 12,265 SF

REQUIREMENTS	CALCULATION	REQUIRED	PROVIDED
BOULEVARD TREES	374 LF / 40	9.35 TREES	10 TREES
SITE TREES	(12,265 SF / 600) * 2	40.8 TREES	41 TREES
SITE SHRUBS	(12,265 SF / 600) * 8	163.5 SHRUBS	164 SHRUBS

ONE TREE PLACED IN THE BOULEVARD PER 40 LINEAR FEET OF LOT FRONTAGE.

NOT LESS THAN TWO TREES AND EIGHT SHRUBS PER 600 SQUARE FEET OF LANDSCAPED AREA.

PROVIDE A FIVE-TO-SIX FOOT TALL SOLID SCREEN TO SEPARATE PARKING LOTS FROM ABUTTING RESIDENTIAL USES.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE
DECIDUOUS TREES					
	Ga	7	AUTUMN GOLD MAIDENHAIR TREE GINKGO BILOBA 'AUTUMN GOLD'	B&B	2" CAL.
	Gd2	6	STREET KEEPER® HONEY LOCUST GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	B&B	2" CAL.
EVERGREEN TREES					
	Tt	32	TECHNY ARBORVITAE THUJA OCCIDENTALIS 'TECHNY'	B&B	5` HT.
ORNAMENTAL TREES					
	Ms	6	SPRING SNOW CRABAPPLE MALUS X 'SPRING SNOW'	B&B	2" CAL.
SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT	SIZE
DECIDUOUS SHRUBS					
	Ha	9	ANNABELLE HYDRANGEA HYDRANGEA ARBORESCENS 'ANNABELLE'	CONT.	5 GAL.
	Rg	31	GRO-LOW FRAGRANT SUMAC RHUS AROMATICA 'GRO-LOW'	CONT.	5 GAL.
PERENNIALS					
	Ho	55	STELLA DE ORO DAYLILY HEMEROCALLIS X 'STELLA DE ORO'	CONT.	1 GAL.
	Nw	30	WALKER'S LOW CATMINT NEPETA X FAASSENII 'WALKER'S LOW'	CONT.	1 GAL.
	Sh	39	PRAIRIE DROPSEED SPOROBOLUS HETEROLEPIS	CONT.	1 GAL.

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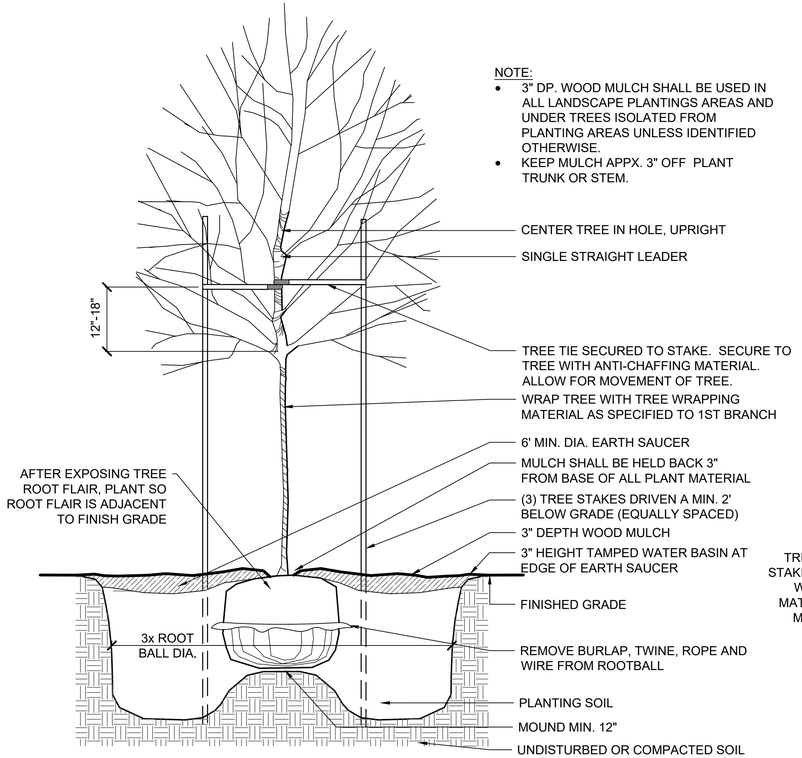
RESTORATION PLAN

DRAWN BY: JS CHECKED BY: CC

L1

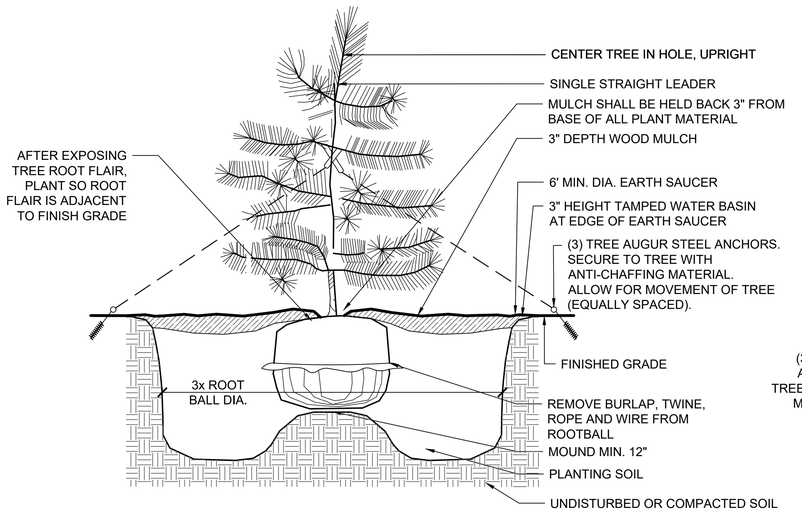
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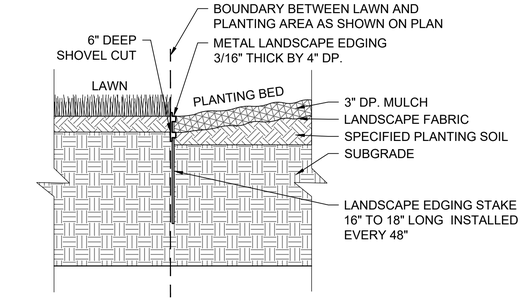
1 DECIDUOUS TREE PLANTING DETAIL

SCALE:N.T.S.



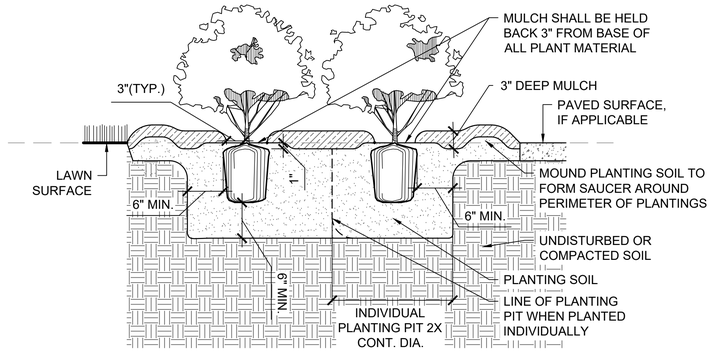
2 CONIFEROUS TREE PLANTING DETAIL

SCALE:N.T.S.



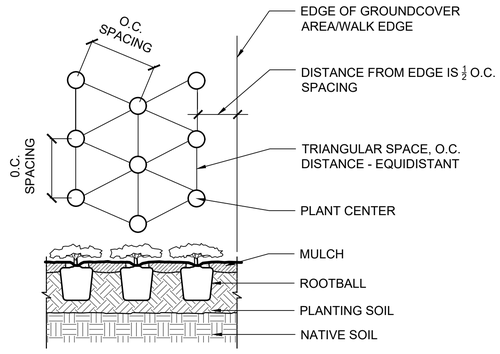
3 METAL EDGER DETAIL

SCALE:N.T.S.



4 DECIDUOUS SHRUB PLANTING DETAIL

SCALE:N.T.S.



NOTE:
- KEEP MULCH APPX. 2" OFF PLANT TRUNK OR STEM

5 SHRUB & PERENNIAL PLANTING BED DETAIL

SCALE:N.T.S.

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GENERAL LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO BECOME COMPLETELY FAMILIAR WITH SITE CONDITIONS.
2. ALL ROUGH AND FINISH GRADING TO BE DONE BY OTHERS.
3. NO PLANTING SHALL BE INSTALLED UNTIL ALL GRADING, BUILDING, CONSTRUCTION, UTILITY WORK & IRRIGATION (IF APPLICABLE) HAS BEEN COMPLETED IN THE AREAS TO BE PLANTED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UNDERGROUND CABLES, CONDUITS, WIRES, ETC., ON THE PROPERTY.
5. IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER OF PLANTS SHOWN IN THE PLANT LIST, THE NUMBER OF PLANTS SHOWN ON THE PLAN WILL TAKE PRECEDENCE.
6. ALL PROPOSED PLANT MATERIAL SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLAN. IF THE CONTRACTOR BELIEVES AN ERROR HAS BEEN MADE REGARDING SPACING OR LOCATION OF THE PLANT MATERIAL INDICATED ON THE PLAN, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF THE PLANT MATERIAL (WATERING, SPRAYING, FERTILIZING, MOWING, ETC.) UNTIL THE WORK HAS BEEN ACCEPTED, BY THE OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO PROPERTY DAMAGE FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
9. ALL NEWLY PLANTED PLANT MATERIAL SHALL BE GUARANTEED THROUGH ONE CALENDAR YEAR STARTING FROM THE DATE OF ACCEPTANCE ESTABLISHED BY THE OWNER.
10. THE CONTRACTOR SHALL MEET WITH THE OWNER OR OWNERS REPRESENTATIVE ON SITE WHEN THEY FEEL THE PROJECT IS COMPLETE ACCORDING TO THE CONTRACT DOCUMENTS. IF ALL WORK IS SATISFACTORY AND COMPLETE ACCORDING TO THE CONDITIONS OF THE CONTRACT DOCUMENTS, THEN THE OWNER MUST DECLARE THE PROJECT COMPLETE. THIS DECLARATION WILL CONSTITUTE AS THE BEGINNING OF THE ONE (1) YEAR WARRANTEE PERIOD FOR ALL PLANT MATERIAL. THE OWNER SHALL PROVIDE A LETTER WITH SIGNATURE STATING THE DATE OF ACCEPTANCE.
11. WIND BURN OR OTHERWISE DAMAGED PLANT MATERIAL WILL NOT BE ACCEPTED.
12. CONTRACTOR CAN SUBSTITUTE MACHINE MOVED MATERIAL USING APPROPRIATE SIZE TREE SPADE FOR B & B WITH OWNER APPROVAL.
13. THE PRACTICE OF STAKING SHOULD NOT ALLOW NAILS, SCREWS, WIRES, ETC. TO PENETRATE THE OUTER SURFACE OF THE TREES.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKES, GUYS, STRAPS AND TRUNK PROTECTION MEASURES FOLLOWING THE COMPLETION OF THE WARRANTEE PERIOD OR AS DIRECTED BY THE OWNER.
15. LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE THE OWNER WITH MAINTENANCE INFORMATION DURING THE GUARANTEE PERIOD RELATING TO WATERING, FERTILIZING, PRUNING, PEST CONTROL, AND RELATED ITEMS. THIS WILL BE PREPARED AND DELIVERED TO THE OWNER AFTER PROVISIONAL INSPECTION APPROVAL HAS BEEN GIVEN BY THE OWNER AND/OR LANDSCAPE ARCHITECT.
16. INSTALL CORRUGATED PLASTIC TREE GUARDS, WHITE IN COLOR, WITH THE SIZE OF TUBE 1" DIA. (MIN.) LARGER THAN THE CALIPER OF THE TREE TO BE PROTECTED.
17. CONTRACTOR TO FURNISH & INSTALL METAL EDGING AS SHOWN ON THE PLANS & DETAILS. METAL EDGING SHALL BE ALUMINUM OR STEEL, BLACK IN COLOR, WITH A MINIMUM THICKNESS OF 1/8" AND 4" DEEP. INSTALL 1 METAL STAKE EVERY 3-1/2 FEET OF EDGING.
18. LANDSCAPE FABRIC (FILTER MAT) TO HAVE A COMBINED WEIGHT OF 4.5-5.5 OZ. PER S.Y. FABRIC SHOULD BE U.V. STABILIZED AND HAVE A FIVE YEAR MINIMUM WEATHERABILITY FACTOR IN FULL SUNLIGHT. FABRIC TO BE PHILLIPS DUON R OR EQUIVALENT. SAMPLE REQUIRED FOR APPROVAL.
19. 3" DEPTH SHREDDED HARDWOOD MULCH SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS THAT ARE ISOLATED FROM GROUNDCOVER AREAS AND GENERAL SHRUB MASSES.
20. 3" DEPTH 1" TO 1-1/2" WASHED RIVER ROCK SHALL BE INSTALLED OVER LANDSCAPED FABRIC AS INDICATED ON THE PLANS & DETAILS.
21. CALIPER OF TREES UP TO AND INCLUDING 4" SHALL BE MEASURED AT 6" ABOVE GROUND LEVEL.
22. FOR BALLED & BURLAP PLANT MATERIAL, REMOVE THE TOP HALF OF THE BURLAP FROM THE ROOT BALL. WIRE CAGES, STRAPS, ETC. SHALL BE REMOVED FROM THE TOP HALF OF THE ROOTBALL BEFORE INSTALLATION.
23. ALL CONTAINER MATERIAL SHALL HAVE BEEN GROWN IN CONTAINER FOR A MINIMUM OF 6 MONTHS PRIOR TO INSTALLATION.
24. SHRUBS SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON-CENTER SPACING FROM PAVING EDGE UNLESS OTHERWISE NOTED.
25. DECIDUOUS SHRUBS SHALL HAVE MINIMUM OF FIVE (5) CANES AT SPECIFIED HEIGHT UNLESS OTHERWISE NOTED IN PLANT SCHEDULE.
26. ALL PERENNIAL BEDS TO RECEIVE ROCK MULCH SHALL HAVE LANDSCAPE FABRIC INSTALLED WITH HOLES FOR PLANTS CUT 2.5 TIMES THE DIAMETER OF THE CONTAINER.
27. LANDSCAPE CONTRACTOR SHALL PROVIDE AND INSTALL NURSERY GROWN PLANT MATERIAL CONFORMING TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 STANDARDS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

GENERAL PLANT ESTABLISHMENT PERIOD NOTES:

1. THE REQUIRED WORK SHALL CONSIST OF CONTINUOUSLY CONDUCTING OPERATIONS AND MAINTENANCE FOR A WARRANTY PERIOD ESTABLISHED FOR 1 YEAR AFTER THE INSTALLATION HAS BEEN ACCEPTANCE BY THE OWNER. THE WORK INCLUDES:
   - 1.1. ESTABLISHMENT OF BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL, SODDED AND SEEDED AREAS
   - 1.2. INCLUDING PEST CONTROL, FERTILIZING AND FUNGICIDAL TREATMENTS
   - 1.3. REGULAR WATERING SCHEDULINGS FOR ALL PLANT MATERIAL, SOD AND SEEDING
   - 1.4. IRRIGATION SYSTEM OPERATION AND MAINTENANCE
   - 1.5. REMOVAL OF ALL WEEDS WITHIN THE PROJECT AREA BY METHODS AGREED BY THE OWNER (POST/PRE HERBICIDE TREATMENT, HAND OR MECHANICAL REMOVAL)
   - 1.6. MAINTENANCE OF MISCELLANEOUS ITEMS (EROSION CONTROL PRODUCTS, REPAIRS FROM EROSION)
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE REVIEW MEETINGS WITH THE OWNER DURING THE PLANT ESTABLISHMENT PERIOD TO IDENTIFY OPERATIONS AND MAINTENANCE TO BE EXECUTED MONTHLY.
3. PLANT MATERIAL DEEMED TO BE REPLACED AT THE END OF PLANT ESTABLISHMENT PERIOD SHALL BE EXECUTED WITHIN 2 WEEKS (14 DAYS) PRESENTING LESS THE FOLLOWING SURVIVORSHIP:
   - 3.1. BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL: 75%
   - 3.2. SODDED AREAS: 100% (0% BARE SOIL)
   - 3.3. SEEDED AREAS: 90% (<10% BARE SOIL)
4. REPLACEMENT PLANTS, SOD AND SEED SHALL BE OF THE SAME SPECIES AND SIZE AS ORIGINALLY SPECIFIED ON THE DRAWINGS, UNLESS THE OWNER DETERMINES THAT SUBSTITUTIONS OF ANOTHER SPECIES OR SIZE SHALL BE MADE.

GENERAL SODDING, SEEDING & TOPSOIL NOTES:

1. LANDSCAPE CONTRACTOR SHALL ENSURE THAT NEW TREES MOVED ONTO THE SITE ARE DUG FROM SIMILAR SITES WITH SIMILAR SOILS TO THE SOILS OF THIS PROJECT (HEAVY TO HEAVY, LIGHT TO LIGHT. HEAVY TO LIGHT SOILS). CONTRACTOR SHALL REVIEW SOIL CONDITIONS/TYPES WITH OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. ALL NEWLY INSTALLED PLANT MATERIAL SHALL BE PLANTED IN WELL-DRAINED AREAS. NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF ANY PLANT MATERIAL IS LOCATED IN DRAINAGE SWALES OR WET & POORLY DRAINED AREAS.
3. ALL PLANTINGS SHALL RECEIVE FERTILIZER AS FOLLOWS:
   - 3.1. SUMMER AND FALL PLANTING: 0-20-20 GRANULAR (IN SAUCER AROUND PLANT AT THE RATE OF 12 OZ. PER 2-3" CAL. TREE & 6 OZ. PER SHRUB).
   - 3.2. SPRING PLANTING: 10-10-10 GRANULAR (APPLY ABOVE REFERENCED FERTILIZER AT A RATE OF 12 OZ. PER 1-1/2" CAL. TREE OR LARGER & 6 OZ. PER SHRUB & PERENNIAL.
4. ALL PLANTINGS SHALL RECEIVE AN AMENDED SOIL MIX CONSISTING OF THREE (3) PARTS:
   - 4.1. 45% APPROVED TOPSOIL (ONE SITE PREFERRED)
   - 4.2. 45% ORGANIC MATTER (TYPE 1 SPHAGNUM PEAT MOSS FINELY DIVIDED WITH A PH OF 3.1 - 5.0.)
   - 4.3. 10% SAND (FINE CLEAN MASONRY SAND)
5. AREAS CONFINED TO A MASS PLANTING AREA (PLANTING BED) SHALL RECEIVE THE AMENDED SOIL MIX AT MIN. 12" DEPTH THROUGHOUT THE PLANTING AREA. AMENDED SOIL MIX SHALL BE MIXED THOROUGHLY AND INSTALLED IN 6" LIFTS.
6. AREAS TO RECEIVE SOD OR SEED SHALL HAVE A 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL SHALL PROVIDE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY CLUMPS, BRUSH WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONE LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
7. SOD SHALL BE 30" X 100' ROLLS WHERE APPLICABLE, TO BE LAID PARALLEL WITH THE CONTOURS AND HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR DRAINAGE SWALES, THE SOD SHALL BE STAKED INTO THE GROUND. SCARIFY THE EXISTING GRADES WITH FIELD CULTIVATOR PRIOR TO PLACING OF TOPSOIL AND FINISH GRADING FOR SOD. IMMEDIATELY PRIOR TO PLACING SOD, CONTRACTOR SHALL APPLY 10-6-4 FERTILIZER AT THE RATE OF 10 POUNDS PER 1000 SQ. FT.
8. ALL AREAS SPECIFIED AS 'WET DETENTION SEED MIX' TO BE SEEDED WITH WIDOT MIX 95B. BROAD CAST, DRILL AND/OR HYDROSEED AT A RATE OF 5.43 LBS./AC. WITH 2 TONS SHREDDED AND PUNCHED IN PLACE STRAW PER ACRE. SEED MIX SHALL BE ABLE TO WITHSTAND PERIODIC FLOODING.

GENERAL IRRIGATION NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL LOCAL UTILITY COMPANIES TO LOCATE EXACT LOCATIONS OF UNDERGROUND UTILITIES.
2. THE IRRIGATION SHALL BE A DESIGN/BUILD SYSTEM BY THE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATIONS AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE OWNER PRIOR TO ORDER AND/OR INSTALLATION.
3. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS ARE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN TURF AREAS SHALL BE VALVED SPEARATELY FROM SHRUB AND GROUND COVER AREAS. IT IS RECOMMENDED THAT FULL SUN AND SHADY AREAS TO BE VALVED SEPARATELY AS WELL AS HIGH RUN-OFF AND LOW RUN-OFF AREAS TO BE VALVED SEPARATELY.
4. CONFIRM LIMITS OF IRRIGATION, EXISTING AND FUTURE HARDSCAPE AND BUILDING LOCATIONS PRIOR TO THE DESIGN OF THE IRRIGATION SYSTEM.
5. CONTRACTOR SHALL VERIFY WATER SOURCE LOCATION AND PRESSURE AND SUPPLY A SYSTEM THAT PROVIDES FULL AND COMPLETE COVERAGE TO ALL AREAS TO BE IRRIGATED.
6. SYSTEM SHOULD BE DESIGNED TO OPERATE AT UP TO 300 GPM @ 90 PSI TO COMPLETE WATER SCHEDULES WITHIN 12-HOURS MAXIMUM.
7. RAIN SENSORS AND OTHER WATER SAVING TECHNOLOGIES SHALL BE INCLUDED WITHIN THE IRRIGATION DESIGN.
8. PROVIDE THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH THE APPROVED LAYOUT PLAN AND IDENTIFY ANY FIELD ADJUSTMENTS PRIOR TO PROJECT COMPLETION.
9. AVOID OVER-SPRAY ONTO ROADS, SIDEWALKS, SIGNS AND PARKING AREAS. SPRINKLER ARCS SHALL BE DETERMINED ON SITE BY THE IRRIGATION INSTALLER TO PROVIDE THE MAXIMUM COVERAGE POSSIBLE. CAREFULLY ADJUST THE ARCS AND RADIUS OF EACH SPRINKLER TO PROVIDE HEAD-TO-HEAD COVERAGE.
10. LOCATE VALVE BOXES AWAY FROM ROAD/CURB SO THEY ARE LESS VISUAL WHERE APPLICABLE.
11. DO NOT TRENCH THROUGH THE ROOT BALLS OF NEW PLANTINGS.
12. MAINLINE PIPING BENEATH TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 30-INCHES FROM BOTTOM OF ROAD SUB-GRADE AND CONTAIN SLEEVES NOT LESS THAN TWO NOMINAL DIMENSIONS GREATER THAT THE PIPE PASSING THROUGH.
13. IRRIGATION INSTALLER SHALL FURNISH AND INSTALL SLEEVE MATERIAL UNDER ALL ROADWAYS, WALKS AND DRIVEWAYS WHERE NECESSARY.
14. TOP OF MAINLINES SHALL BE AT LEAST 30-INCHES BELOW GRADE IN TURF AREAS.
15. TOP OF LATERAL LINES SHALL BE AT LEAST 18-INCHES BELOW GRADE.
16. MAINLINE PRESSURE PIPE FITTINGS 3-INCHES AND LARGER SHALL BE PUSH ON GASKET JOINED AND SHALL HAVE MECHANICAL JOINT RESTRAINTS. MAINLINE PRESSURE PIPE FITTINGS 2.5-INCHES AND SMALLER SHALL BE GLUED AND SHALL HAVE CONCRETE THRUST BLOCKS AT FITTINGS THAT COMPRISE CHANGE IN DIRECTION.
17. OTHERS SHALL FURNISH, INSTALL AND BRING 24-INCHES ABOVE GRADE A MUNICIPAL POTABLE STUB FOR IRRIGATION, COORDINATE WITH GENERAL CONTRACTOR.
18. INSTALLER IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE BACKFLOW PREVENTOR, WATER METER AND BOOSTER PUMP, IF APPLICABLE.
19. IRRIGATION CONTROL WIRE SHALL BE DIGITAL TWO-WIRE, UL LISTED FOR DIRECT BURIAL.
20. CONNECT ALL ELECTRICAL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES INCLUDING:
   - 20.1. ALL LOW VOLTAGE IRRIGATION CONTROL WIRE SHALL BE INSTALLED WITH THE MAINLINE PIPE WHERE POSSIBLE
   - 20.2. DO NOT LOOP THE LOW VOLTAGE IRRIGATION CONTROL WIRE PATH.
   - 20.3. SNAKE WIRE AT BOTTOM OF TRENCH BENEATH MAINLINE.
   - 20.4. PROVIDE 18-INCH OF SLACK CONTROL WIRE AT ALL CHANGES IN DIRECTION.
   - 20.5. PROVIDE 24-INCH OF SLACK CONTROL WIRE AT EACH REMOTE CONTROL VALVE COILED INSIDE VALVE BOX.
   - 20.6. ALL WIRE SPLICES SHALL BE WATERTIGHT CONNECTORS AND CONTAINED IN VALVE BOX.
   - 20.7. ALL WIRING BENEATH HARDSCAPES SHALL BE CONTAINED IN SLEEVING, SEPARATE FROM PIPING. ELECTRICAL SLEEVES ARE TO BE SIZED APPROPRIATELY FOR EASE OF WIRE INSTALLATION AND REPAIR.
   - 20.8. ALL WIRING SHALL BE IDENTIFIED AT EACH END TO PROVIDE INDICATION AS TO WHICH LOCATION THE WIRE IS CONNECTED.
   - 20.9. GROUNDING PER MANUFACTURER'S RECOMMENDATION OR LOCAL ELECTRICAL CODE.
21. SCHEDULE AND PROGRAM CONTROLLER AND VALVES FOR APPROPRIATE LANDSCAPE WATER REQUIREMENTS.

HTG architects
www.htg-architects.com
Minneapolis
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1010 Mainstreet, Suite 100
Hopkins, MN. 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 27, 2026
REVISIONS
DATE NO.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 03/27/2026
REG. NO. DATE

ANDERSON
13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

RESTORATION NOTES

DRAWN BY: JS CHECKED BY: CC

L3

231139 - AE PROJ # 18994

COPYRIGHT © BY HTG ARCHITECTS

DECLARATION OF CONDITIONS, COVENANTS AND RESTRICTIONS FOR MAINTENANCE OF STORMWATER MANAGEMENT MEASURES

This space is reserved for recording data

Return to:

City of La Crosse
Engineering Department
400 La Crosse Street
La Crosse, Wisconsin 54601

Tax Parcel No.: 17-30198 -050

RECITALS:

A. Mayo Employees Federal Credit Union, is the owner of 605 West Ave S, more particularly described on Exhibit A attached hereto ("Property").

B. Owner desires to construct buildings and/or parking facilities on the Property in accordance with certain plans and specifications approved by the City.

C. The City requires Owner to record this Declaration regarding maintenance of stormwater management measures to be located on the Property. Owner agrees to maintain the stormwater management measures and to grant to the City the rights set forth below.

NOW, THEREFORE, in consideration of the declarations herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the owner agrees as follows:

1. Maintenance. Owner and its successors and assigns shall be responsible to repair and maintain the stormwater management measures located on the Property in good condition and in working order and such that the measures comply with the approved plans on file with the City Engineer. Said maintenance shall be at the Owner's sole cost and expense. Owner will conduct such maintenance or repair work in accordance with all applicable laws, codes, regulations, and similar requirements, and pursuant to the Maintenance Provisions attached hereto as Exhibit B.

2. Easement to City. If Owner fails to maintain the stormwater management measures as required in Section 1, then City shall have the right, after providing Owner with written notice of the maintenance issue ("Maintenance Notice") and thirty (30) days to comply with the City's maintenance request, to enter the Property in order to conduct the maintenance specified in the Maintenance Notice. City will conduct such maintenance work in accordance with all applicable laws, codes, regulations, and similar requirements and will not unreasonably interfere with Owner's use of the Property. All costs and expenses incurred by the City in conducting such maintenance may be charged to the owner of the Property by placing the amount on the tax roll for the Property as a special charge in accordance with Section 66.0627, Wis. Stats.

3. Term/Termination. The term of this Agreement shall commence on the date that this Agreement is filed of record with the Register of Deeds Office for La Crosse County, Wisconsin, and except as otherwise herein specifically provided, shall continue in perpetuity. Notwithstanding the foregoing, this Agreement may be terminated by recording with the Register of Deeds Office for La Crosse County, Wisconsin, a written instrument of termination signed by the City and all of the then-owners of the Property.

4. Miscellaneous.

(a) Notices. Any notice, request or demand required or permitted under this Agreement shall be in writing and shall be deemed given when personally served or three (3) days after the same has been deposited with the United States Post Office, registered or certified mail, return receipt requested, postage prepaid and addressed as follows:

If to Owner: Mayo Employees Federal Credit Union
605 West Ave S
La Crosse, WI 54601

If to City: City of La Crosse
Engineering Department
400 La Crosse Street
La Crosse, WI 54601
Attention: City Engineer

Any party may change its address for the receipt of notice by written notice to the other.

(b) Governing Law. This Agreement shall be governed and construed in accordance with the laws of the State of Wisconsin.

(c) Amendments or Further Agreements to be in Writing. This Agreement may not be modified in whole or in part unless such agreement is in writing and signed by all parties bound hereby.

(d) Covenants Running with the Land. All of the easements, restrictions, covenants and agreements set forth in this Agreement are intended to be and shall be construed as covenants running with the land, binding upon, inuring to the benefit of, and enforceable by the parties hereto and their respective successors and assigns.

(e) Partial Invalidity. If any provisions, or portions thereof, of this Agreement or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Agreement, or the application of such provision, or portion thereof, to any other persons or circumstances shall not be affected thereby and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20_____.

_____ _____

STATE OF WISCONSIN)
COUNTY OF LA CROSSE) SS

Personally came before me this _____ day of _____, 20_____, the above named _____, to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

_____
NOTARY PUBLIC

My Commission Expires:_____

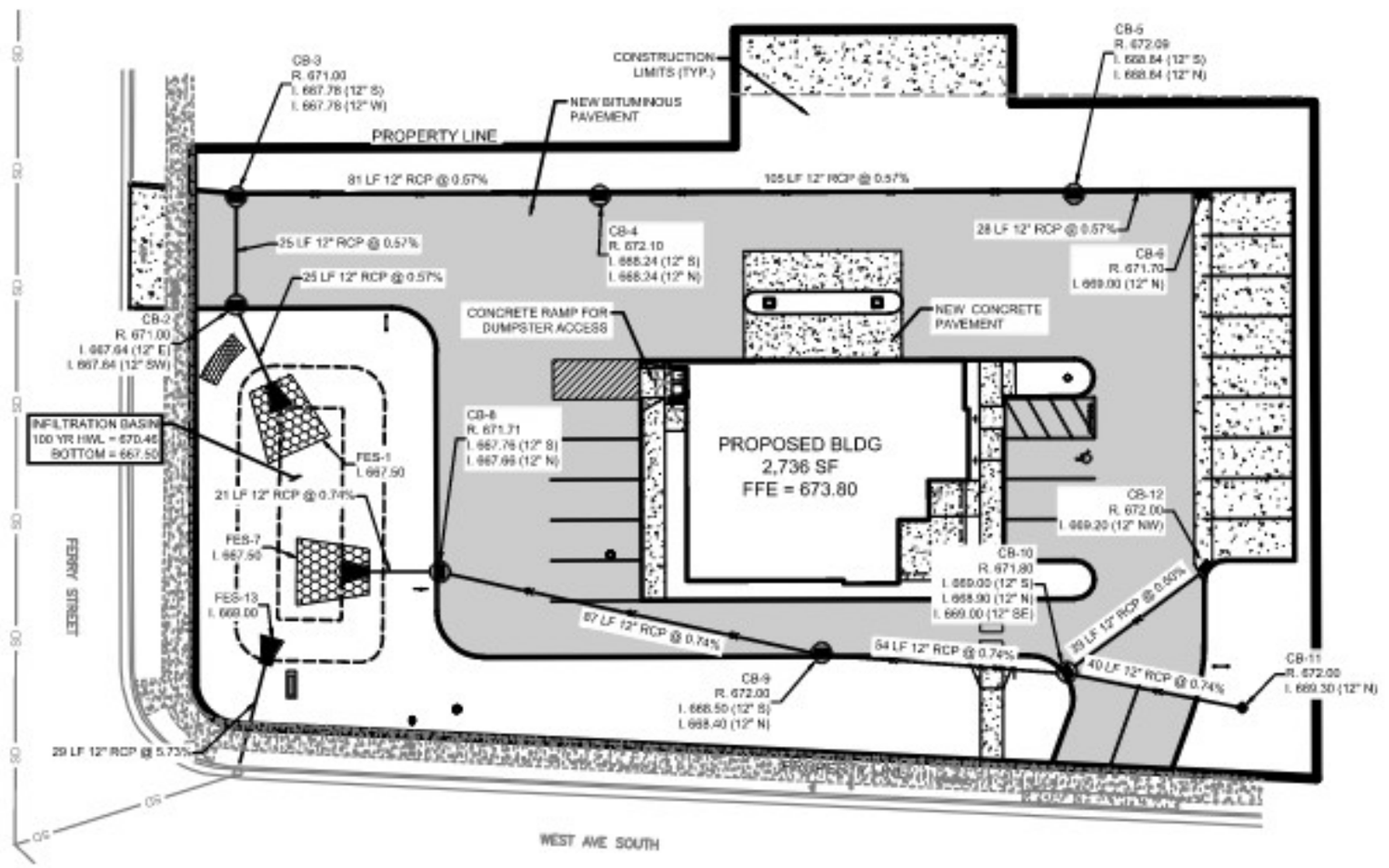
Drafted by: City of La Crosse
Engineering Department
400 La Crosse Street
La Crosse, Wisconsin 54601

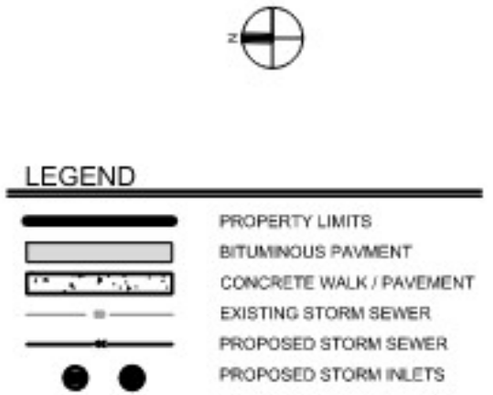
EXHIBIT A

Legal Description

RUBLEE & OBERS SUBD OF LOTS 4 & 16 OF RUBLEE & GILLETTES LOTS 6 & 7 EX E 25.53FT & ALL OF LOT 8 BLOCK 6 & 10FT STRIP LYG S & ADJ TO LOT 8 & LOT 6 BLOCK A OF E S B VAILS ADDITION EX PRT TAKEN FOR R/W IN DOC NO. 1473739

EXHIBIT B
Maintenance Provisions





INFILTRATION BASIN MAINTENANCE

THE INFILTRATION BASIN WILL BE INSPECTED ANNUALLY TO ENSURE CONTINUED LINE STORAGE CAPACITY AT OR ABOVE THE DESIGN VOLUME. INVASIVE VEGETATION, EXCESSIVE SEDIMENT, AND DEBRIS WILL BE REMOVED AS NEEDED AND HEALTHY PLANT GROWTH WILL BE MAINTAINED TO ENSURE THE FACILITY CONTINUES TO PERFORM AS DESIGNED. INSPECT INLETS AND OUTLET TO ENSURE THEY ARE IN GOOD CONDITION AND ARE PERFORMING AS EXPECTED. INSPECT INFILTRATION BASIN WITHIN WINTER MONTHS TO ENSURE NO BUILD-UP OF PLOWED SNOW HAS OCCURED.

INSPECTION ACTIVITIES		
ACTIVITY	FREQUENCY	ACTIONS
SEDIMENT DEPOSIT	ANNUAL	REMOVE SEDIMENT IF INHIBITING FLOW OR SHRINKING STORAGE CAPACITY (SEDIMENT DEPTH > 6")
INLET/OUTLET PIPES	ANNUAL	CHECK PIPES FOR SEDIMENT AND OBSTRUCTIONS
INLET/OUTLET SPILLWAY RIPRAP	ANNUAL	REPAIR RIPRAP IF ERODING OR CLEAN OUT RIPRAP IF EXCESS SEDIMENT IS PRESENT
EROSION CHECK	ANNUAL	REPAIR AND RESEED ERODING AREAS
DRAW DOWN LESS THAN 48 HOURS	ANNUAL (ONCE AFTER RAINFALL > 0.5IN)	REMOVE SEDIMENT AND SCARIFY SANDY SOILS TO PROMOTE INFILTRATION. REPLACE SAND WITH FILTER MEDIA IF PROBLEMS CONTINUE.

ANDERSON

Storm Water Management Plan

Calculations & Summaries

Mayo Employees Credit Union

La Crosse, WI

Project No. 18994

March 02, 2026
REVISED March 24, 2026

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.

_____

Eric Sautbine, P.E. Reg. No. E-43034-6

Prepared By:
Anderson Engineering of MN, LLC
13605 1st Avenue North, Suite 100
Plymouth, MN 55441
Ph: 763.412.4000
Fax: 763.412.4090

Prepared For:
HTG Architects
1010 Mainstreet, Suite 100
Hopkins, MN 55343

Anderson Engineering of Minnesota, LLC • 13605 1st Avenue North, Suite 100 • Plymouth, Minnesota 55441 • (763) 412-4000 Main • (763) 412-4090 Fax • www.ae-mn.com

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- Wisconsin DNR Rules & Regulations Compliance
- Summary

Appendix – Exhibits and Calculations

- A – Existing Drainage Map
- B – Proposed Drainage Map
- C – P8 Calculation Report
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- E – Civil Plans
- F – Geotechnical Report
- G – Storm Sewer Sizing Calculations

Project Overview

Site redevelopment of the Mayo Employees Credit Union is proposed at 605 West Ave S, La Crosse, WI 54601. The parcel encompasses 0.82 acres. The project includes site clearing and demolishing the existing building, concrete and asphalt paving. Construction will include a new building, parking lot, and teller drive thru.

Existing Site Conditions

The 0.82 acre lot is bounded by Ferry St to the north, West Ave to the west, and residential lots to the south and east. The existing building has a finished floor of 673.25. The existing parking lot is located south of the building, the existing drive thru is on the east side of the building, and the driveway comes from the west off West Ave along the south of the parking lot and turns north through the drive thru up to Ferry St to the north. The site generally drains from the southeast corner to the north west corner. There is currently no storm sewer on site. An existing 12" storm sewer runs under Ferry Street and belongs to the city of La Crosse. The existing drainage pattern can be seen in **Exhibit A: Existing Drainage Map** within the appendices of this report.

Soils

Chosen Valley Testing conducted 7 soil borings on site in January of 2026. Per the report issued March 11, 2026, the surface of the boring locations consists of fill approximately 1-2 feet of except for borings 2, 3, and 6 that had fill up to 7 feet. The fill soil exhibits mostly loose conditions with SPT values averaging around 10 bpf. The fill was found to be moist. Underlying the fill soils were finely to medium graded loose sand glacial outwash with SPT values averaging around 7 bpf. Bedrock was not found in the exploration and is expected to lie deeper than 200 feet. Ground water was encountered at any boring locations.

The underlying soils generally are found to be SP or sand soils corresponding to Hydraulic group A. This soil is very well draining and is considered suitable for infiltration practices with an infiltration rate of 3.6 in/hr per the Wisconsin DNR technical standard. Per the Wisconsin Admin code, redevelopment projects do not require infiltration practices but infiltration will help with TSS requirements discussed later in this report.

Proposed Site Conditions

The proposed redevelopment will consist of a new building with parking lots located north and south of the building and a teller drive thru to the east. The grades around the site will be around 2% in the parking lots and driveways. The building is proposed to have a finished floor elevation of 673.80. The site will generally flow from south to north. New 12" storm sewer will be installed throughout the site and be broken into 2 drainage areas. The east drainage area will include the south parking lot, the drive thru, and the north driveway. The west drainage area will include the building, half the south parking lot, the north parking lot and the west driveway. Both drainage areas will outlet into an infiltration pond located in the northwest corner of the site to be treated before heading into the city storm sewer system located along Ferry St. See **Exhibit B: Proposed Drainage Map** located in the appendices of this report.

Post construction Management Devices

The proposed redevelopment will include an infiltration basin located in the northwest corner of the property and will treat stormwater coming from the site before it enters the city storm sewer.

Methodology

P8 Urban Catchment Model - TSS

The project is redeveloping a previously developed site meaning only 40% total suspended solids (TSS) removal is required. The P8 Urban Catchment Modeling software was used to calculate TSS removal. The climate files for Wisconsin were used to determine rainfall events with the Madison location being the closest to La Crosse. The NURP 50 file was used for determining the TSS particle size.

Runoff from pervious and impervious surfaces were calculated separately by water shed area in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit C: P8 Calculations Report**.

HydroCAD – Peak Discharge

The Hydrologic characteristics of the site were modeled using HydroCAD software for peak discharge. TR55/TR20 methods were utilized. Existing and proposed drainage areas were determined via review of as-built data, current land survey data, and aerial photos.

The 2, 10, & 100-year frequency events were analyzed for peak runoff rate control in the existing and proposed conditions. The MSE-3 24-hr distribution was used in analysis. Storm frequency depths were determined by the City of La Crosse Guidelines using Atlas 14 data. Depths for the 2, 10, & 100-year storms were found to be 2.94", 4.32", and 7.31" respectively.

Runoff from pervious and impervious surfaces were calculated separately in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit D: HydroCAD Report**.

City of La Crosse Rules & Regulations

In addition to the rules described below, the proposed design and report will utilize those definitions and procedural requirements as described by the City of La Crosse Municipal Code Chapter 105 Section 61, and the Wisconsin DNR stormwater rules and regulations in the Wisconsin Administrative Code Section NR151 Ch3. The construction and stormwater management plans have also been designed to meet general standards described within the Stormwater Management Rule and Erosion Control Rule. **Table 1** below summarizes the watershed rules that are **not** applicable to this site and reasoning for exclusion:

Table 1: Non-Applicable DNR Watershed Rules	
NR151.105(1)(a) State Storm Water Management Plan	Disturbance under 1 acre
City 105-61(b)(4)d Infiltration	Redevelopment
City 105-61(b)(4)e Protective Areas	No disturbance of wetland or discharge to open waters
City 105-61(b)(4)f Fuel and Maintenance Area	No fueling or maintenance on site proposed
City 105-61(b)(4)g Swale treatment for transportation facilitates	Project is not a transportation facility

Below is a summary of other applicable watershed rules and regulations have been met for this project:

Stormwater Management Rule

City 105-61(b)(4)a – *Total Suspended Solids (TSS)*

Criteria: Total suspended solids. BMPs shall be designed, installed and maintained to control total suspended solids carried in runoff from the post-construction site as follows: Redevelopment - 40 percent of load from parking areas and roads. The design shall be based on an average annual rainfall, as compared to no runoff management controls.

The P8 Urban Catchment Modeling software was used to calculate TSS. The software analyzed the proposed runoff without management controls and compared it to the proposed runoff with management controls.

Because we are using an infiltration basin in P8 for the control, we need to follow the Wisconsin DNR modeling post construction storm water treatment guide B.7 along with Technical Standard 1003. The standards allow P8 to keep 100% of TSS removal from infiltration, but only 50% from settling due to scouring for ponds that are 1.5' deep.

In addition to the P8 calculation outputs in **Exhibit C**, See **Table 2** below for a summary of the results. The calculation breakdown in **Table 3** shows the allowed TSS removal per Modeling guide B7.

Table 2 – Annual Load TSS

Variable: TSS	Loads(lbs)				
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm
01 watershed inflows	335.40	135.94	180.34	0.00	19.12
02 upstream device	0.00	0.00	0.00	316.28	5.85
03 infiltrate	93.42	0.00	0.00	93.42	0.00
05 filtered	93.42	0.00	0.00	93.42	0.00
06 normal outlet	24.97	135.94	180.34	0.00	24.97
07 spillway outlet	0.00	0.00	0.00	5.85	0.00
08 sediment + decay	216.54	0.00	0.00	216.54	0.00
09 total inflow	335.40	135.94	180.34	316.28	24.97
10 surface outflow	24.97	135.94	180.34	5.85	24.97
12 total outflow	24.97	135.94	180.34	5.85	24.97
13 total trapped	309.96	0.00	0.00	309.96	0.00
14 storage increase	0.00	0.00	0.00	0.00	0.00
15 mass balance check	0.47	0.00	0.00	0.47	0.00
Load Reduction (%)	92.41	0.00	0.00	98.00	0.00

Table 3 – Annual TSS load	
Site	TSS
Proposed Conditions without Controls	335.40 lbs
100% Infiltration Removal	93.42 lbs
50% Sediment Removal	108.27 lbs
Total TSS Removal	201.69 lbs
Removal Efficiency	60.2%

City 105-61(b)(4)b – *Peak Discharge (Rate Control)*

Criteria: By design, BMPs shall be employed to maintain or reduce the two-year, 24-hour; and the ten-year, 24-hour post-construction peak runoff discharge rates to the two-year, 24-hour; and the ten-year, 24-hour pre-development peak runoff discharge rates respectively, or to the maximum extent practicable.

Rate control was analyzed for the 2, 10, and 100-year - 24 hour storm event. Existing condition rates and proposed rates were compared for the entire property area. Runoff rates for the proposed activity shall not exceed existing runoff rates for the 2 and 10-year critical storm. The 100-year storm is shown for information only and is not required to be decreased per the municipal code. Per **Exhibits A & B and Table 4,** impervious surface on site will increase. With an overall increase in impervious surface, further analysis was needed.

A full summary of the existing and proposed HydroCAD results can be found within **Exhibit D: HydroCAD Report** in the appendices of this report. Tabulations of the existing and proposed peak runoff rates can be found in **Table 5** shows that post development rates are held below existing conditions:

Table 4 – Impervious Areas	
Site	TSS
Existing Impervious Area	0.335 Ac
Proposed Impervious Area	0.498 Ac
Net Increase	0.163 Ac

Table 5: Rate Control Offsite		
Storm Event	Existing Rate (CFS) **1R**	Post Development Rate (CFS) **10R**
2-year	0.32	0.11
10-year	1.11	1.02
100-year	3.42	3.14

City 105-61(b)(4)c – *Safe Outlet*

Criteria: By design, the site shall provide for the safe passage of run-off from events up to and including the 100 year, 24-hour event. Safe passage implies buildings in and around the site will not be negatively impacted by run-off from the site.

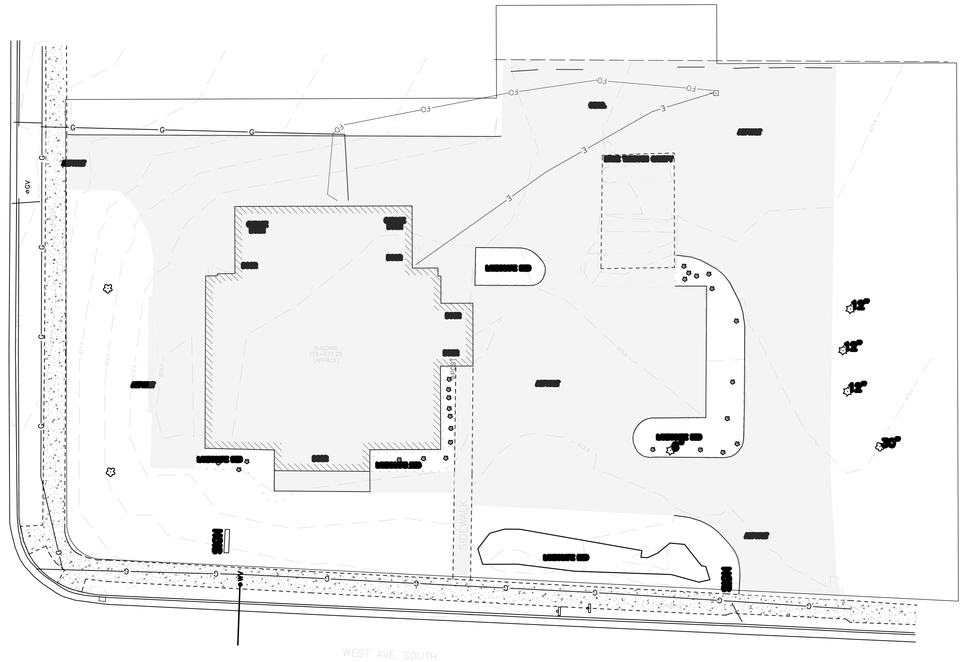
The 100-year, 24 hour storm event will be retained in the infiltration basin. The 100-year high water level in the basin will reach 670.51' which is below the overflow elevation of 670.80'. This can be seen in **Exhibit D: HydroCAD Report.** The 100-year, 24 hour storm event will have safe passage through the infiltration basin and city storm sewer and will not negatively impact buildings in the area.

Erosion and Sediment Control Rule

A NDPES permit is not required with this project because the disturbed area is under 1 acre. If additional disturbances occur during construction, the contractor will be responsible for initiating a NDPES construction permit. Anderson Engineering completed an erosion control map for the city submittal for the contractor to use.

Summary

The site layout and final grades are designed to maintain the general drainage of the existing landscape. Within the project boundary, some changes to the existing drainage patterns are expected due to the proposed structures and other site improvements. The project design does not propose to make major changes to drainage divides. A new storm sewer system is designed to prevent as much storm water runoff to flow directly onto Ferry St and West Ave than the previous existing development while also lowering the peak discharge into the city storm system.



HTG architects

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Bismarck

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Hopkins, MN. 55343
Tel: 952.278.8880

PROJECT

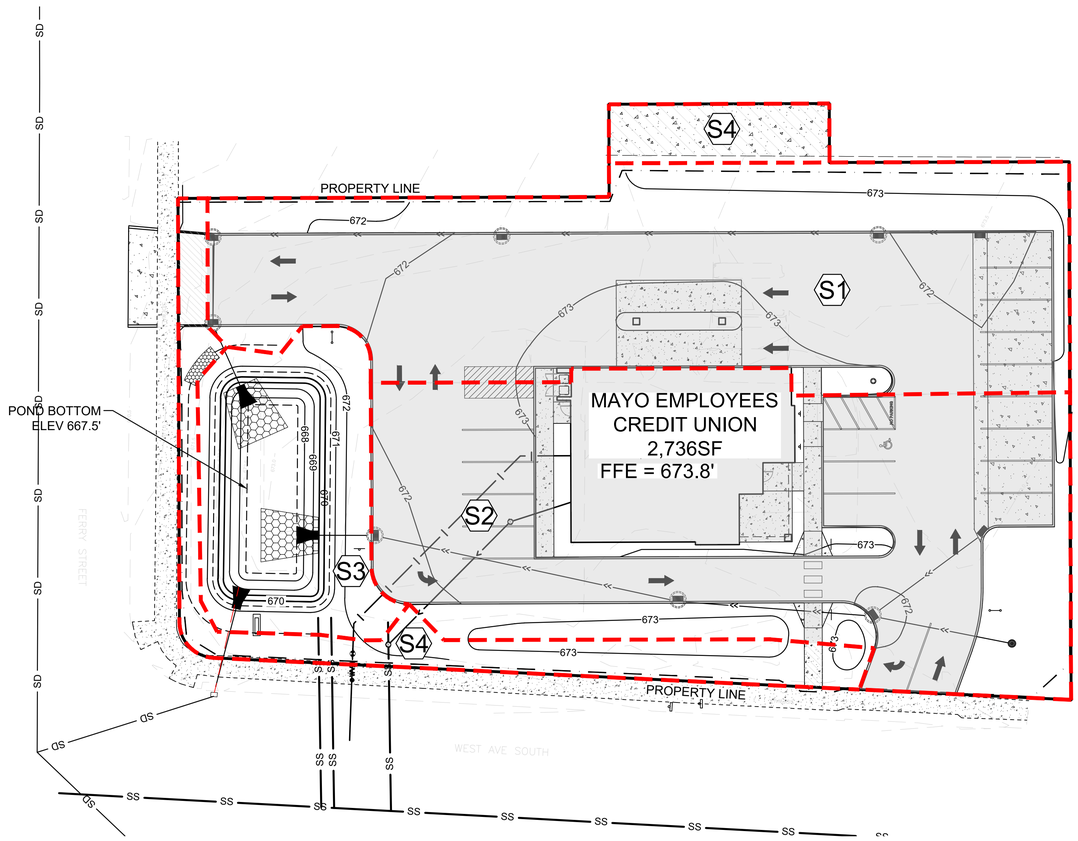
MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	



N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- DRAINAGE AREA
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- × 1190.25 EXISTING SPOT ELEVATION
- DRAINAGE ARROW
- PROPOSED CONCRETE C&G
- PROPOSED STORM SEWER
- PROPOSED HARD SURFACE (TREATED)
- PROPOSED HARD SURFACE (UNCAPTURED)

HTG architects

www.htg-architects.com
Minneapolis
Bismarck

1010 Mainstreet, Suite 100
Hopkins, MN. 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

03/02/2026
REG. NO. DATE

ANDERSON
13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

PROPOSED DRAINAGE MAP

DRAWN BY: CHECKED BY:

EX B

231139 - AE PROJ # 18994

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P8 Urban Catchment Model, Version 3.5				Run Date	03/24/26
Case	18994_MayoCU_LaCrosse_TypeA.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

File Directory	Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI_17 SWMP\03-P8\
Case Title	Startup Case
Case File	18994_MayoCU_LaCrosse_TypeA.p8c
Particle File	nurp50.p8p
Temperature File	madison_6190.tem
Storm File	Mdsn6095.pcp
Precip Scale Factor	1
Watersheds	4
Devices	4
Particles	5
WQ Components	7
Start Date	09/13/79
Keep Date	10/11/80
Stop Date	09/30/81
Storm Count	76
Total Hours	8406
Wet Hours	722
Precip (in)	30
Rain (in)	28
Snowfall (in)	2
Snowmelt (in)	2
EvapoTran(in)	23
Overall TSS Removal(%)	1
Water Balance Error(%)	0
TSS Mass Balance Error (%)	0

P8 Urban Catchment Model, Version 3.5				Run Date	03/24/26
Case	18994_MayoCU_LaCrosse_TypeA.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

Case Title	Startup Case
Case Data File	18994_MayoCU_LaCrosse_TypeA.p8c
Path	Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI_17 SWMP\03-P8\
Case Notes:	
Storm Data File	Mdsn6095.pcp
Particle File	nurp50.p8p
Air Temp File File	madison_6190.tem

Time Steps Per Hour	4
Minimum Inter-Event Time (hrs)	10
Maximum Continuity Error %	2
Rainfall Breakpoint (inches)	0.8
Precipitation Scale Factor	1
Air Temp Offset (deg-F)	0
Loops Thru Storm File	1
Simulation Dates	
Start	9/11/1979
Keep	10/11/1980
Stop	9/30/1981

Max Snowfall Temperature (deg-f)	32.0
SnowMelt Temperature (deg-f)	32.0
Snowmelt Coef (in/degF-Day)	0.06
Soil Freeze Temp (deg-F)	32.0
Snowmelt Abstraction Factor	1.00
Evapo-Trans. Calibration Factor	1.00
Growing Season Start Month	5
Growing Season End Month	10

5-Day Antecedent Rainfall + Runoff (inches)		
CN Antecedent Moisture Condition	AMC-II	AMC-III
Growing Season	1.40	2.10
NonGrowing Season	0.50	1.10

Watershed Data						
Watershed Name	S2	S1	S3	S4		
Runoff to Device	South Storm Pipe	North Storm Pipe	Infilitration Basin	Offsite Storm		
Infiltration to Device						
Watershed Area	0.339	0.302	0.092	0.087		
SCS Curve Number (Pervious)	39	39	39	39		
Scale Factor for Pervious Runoff Load	1	1	1	1		
Indirectly Connected Imperv Fraction	0	0	0	0		

UnSwept Impervious Fraction	0.185	0	0	0		
UnSwept Depression Storage (inches)	0.08	0.02	0.02	0.02		
UnSwept Imperv. Runoff Coefficient	0.909	1	1	1		
UnSwept Scale Factor for Particle Loads	1	1	1	1		
Swept Impervious Fraction	0.59	0.635	0	0.31		
Swept Depression Storage (inches)	0.02	0.02	0.02	0.02		
Swept Imperv. Runoff Coefficient	0.973	0.973	1	0.973		
Swept Scale Factor for Particle Loads	1	1	1	1		
Sweeping Frequency	0	0	0	0		
Sweeping Efficiency	0	0	0	0		
Sweeping Start Date (MMDD)	101	101	101	101		
Sweeping Stop Date (MMDD)	1231	1231	1231	1231		

Device Data						
Device Name	Infilitration Basin	Offsite Storm	North Storm Pipe	South Storm Pipe		
Device Type	INF_BASIN	PIPE	PIPE	PIPE		
Infiltration Outlet						
Normal Outlet			Infilitration Basin	Infilitration Basin		
Spillway Outlet	Offsite Storm					
Particle Removal Scale Factor	1					
Bottom Elevation (ft)	667.5					
Bottom Area (acres)	0.012					
Permanent Pool Area (acres)						
Permanent Pool Volume (ac-ft)						
Perm Pool Infilt Rate (in/hr)						
Flood Pool Area (acres)	0.019					
Flood Pool Volume (ac-ft)	0.027					
Flood Pool Infilt Rate (in/hr)	3.6					
Infilt Basin Void Fraction (%)	100					
Detention Pond Outlet Parameters						
Outlet Type						
Outlet Orifice Diameter (in)						
Orifice Discharge Coef						
Outlet Weir Length (ft)						
Weir Discharge Coef						
Perforated Riser Height (ft)						
Number of Holes in Riser						
Holes Diameter						
Flood Pool Drain Time (hrs)						
Swale Parameters						
Length of Flow Path (ft)						
Slope of Flow Path %						
Bottom Width (ft)						
Side Slope (ft-v/ft-h)						
Maximum Depth of Flow (ft)						
Mannings n Constant						
Hydraulic Model						
Pipe, Splitter, Aquifer Parameter						
Hydraulic Res. Time (hrs)		0	0	0		

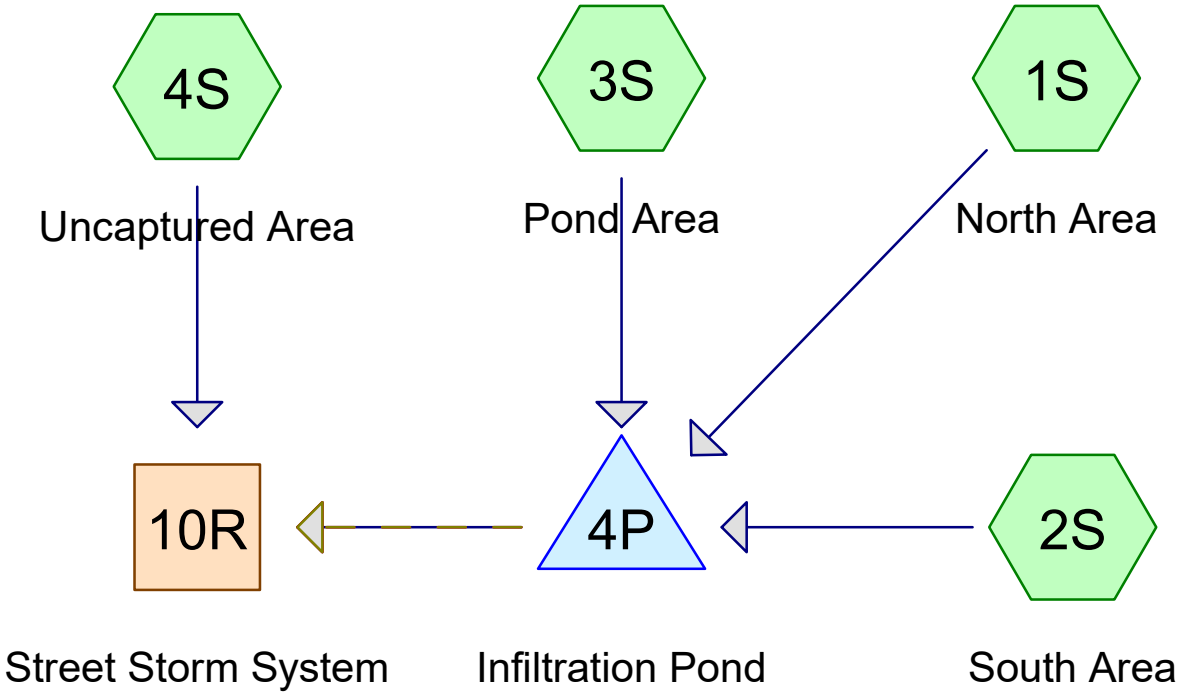
Particle Data					
Particle File	nurp50.p8p				
Particle Class	P0%	P10%	P30%	P50%	P80%
Filtration Efficiency (%)	90	100	100	100	100
Settling Velocity (ft/hr)	0	0.03	0.3	1.5	15
First Order Decay Rate (1/day)	0	0	0	0	0
2nd Order Decay (1/day-ppm)	0	0	0	0	0
Impervious Runoff Conc (ppm)	1	0	0	0	0
Pervious Runoff Conc (ppm)	1	100	100	100	200
Pervious Conc Exponent	0	1	1	1	1
Accum. Rate (lbs-ac-day)	0	1.75	1.75	1.75	3.5
Particle Removal Rate (1/day)	0	0.25	0.25	0.25	0.25
Washoff Coefficient	0	20	20	20	20
Washoff Exponent	0	2	2	2	2
Sweeper Efficiency	0	0	0	5	15

Water Quality Component Data							
Component Name	TSS	TP	TKN	CU	PB	ZN	HC
Water Quality Criteria (ppm)							
Level 1	5	0.025	2	2	0.02	5	0.1
Level 2	10	0.05	1	0.0048	0.014	0.0362	0.5
Level 3	20	0.1	0.5	0.02	0.15	0.38	1
Content Scale Factor	1	1	1	1	1	1	1
Particle Composition (mg/kg)							
P0%	0	99000	600000	13600	2000	64000	250000
P10%	1000000	3850	15000	340	180	1600	22500
P30%	1000000	3850	15000	340	180	1600	22500
P50%	1000000	3850	15000	340	180	1600	22500
P80%	1000000	0	0	340	180	0	22500

P8 Urban Catchment Model, Version 3.5				Run Date	03/24/26
Case	18994_MayoCU_LaCrosse_TypeA.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

Devices Listed in Downstream Order

Device:	North Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infilitration Basin
	Runoff from watershed		S1
Device:	South Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infilitration Basin
	Runoff from watershed		S2
Device:	Infilitration Basin	Type:	INF_BASIN
	Discharges spillway to		Offsite Storm
	Runoff from watershed		S3
Device:	Offsite Storm	Type:	PIPE
	Runoff from watershed		S4



PROPOSED

Subcat Reach Pond Link

Routing Diagram for 18994_MayoCU_LaCrosse
Prepared by Anderson Engineering Of MN, LLC, Printed 2/20/2026
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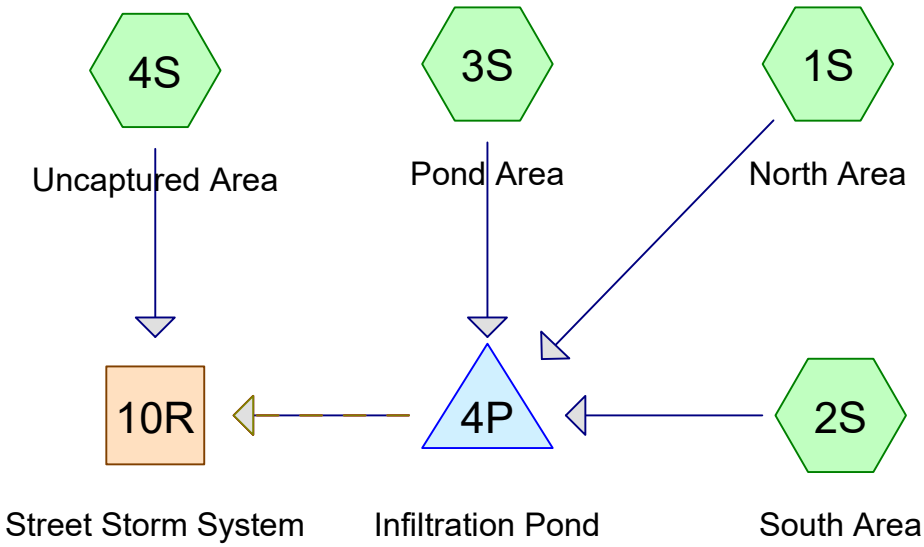
P8 Urban Catchment Model, Version 3.5

Case	18994_MayoCU_LaCrosse_TypeA.p8c	FirstDate	10/11/80	Run Date	03/24/26
Title	Startup Case	LastDate	09/30/81	Precip(in)	30.4
PrecFile	Mdsn6095.pcp	Events	76	Rain(in)	28.02
PartFile	nurp50.p8p	TotalHrs	8406	Snow(in)	2.33
				TotalYrs	0.96

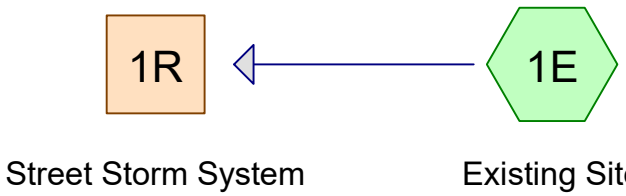
Mass Balances by Variable

Variable: Flow	Flow ac-ft									
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infilitration Basin	Offsite Storm	OVERALL	orth Storm Pipe	outh Storm Pipe	Infilitration Basin	Offsite Storm
01 watershed inflows	1.11	0.45	0.60	0.00	0.06					
02 upstream device	0.00	0.00	0.00	1.05	0.09					
03 infiltrate	0.96	0.00	0.00	0.96	0.00					
04 exfiltrate	0.96	0.00	0.00	0.96	0.00					
06 normal outlet	0.15	0.45	0.60	0.00	0.15					
07 spillway outlet	0.00	0.00	0.00	0.09	0.00					
09 total inflow	1.11	0.45	0.60	1.05	0.15					
10 surface outflow	0.15	0.45	0.60	0.09	0.15					
11 groundw outflow	0.96	0.00	0.00	0.96	0.00					
12 total outflow	1.11	0.45	0.60	1.05	0.15					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.00	0.00	0.00	0.00	0.00					
Load Reduction (%)	0.00	0.00	0.00	0.00	0.00					

Variable: TSS	Loads(lbs)					Concs (ppm)				
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infilitration Basin	Offsite Storm	OVERALL	orth Storm Pipe	outh Storm Pipe	Infilitration Basin	Offsite Storm
01 watershed inflows	335.40	135.94	180.34	0.00	19.12	110.83	110.45	111.15		110.45
02 upstream device	0.00	0.00	0.00	316.28	5.85				110.85	24.46
03 infiltrate	93.42	0.00	0.00	93.42	0.00	35.74			35.74	
05 filtered	93.42	0.00	0.00	93.42	0.00					
06 normal outlet	24.97	135.94	180.34	0.00	24.97	60.55	110.45	111.15		60.55
07 spillway outlet	0.00	0.00	0.00	5.85	0.00				24.46	
08 sedimen + decay	216.54	0.00	0.00	216.54	0.00					
09 total inflow	335.40	135.94	180.34	316.28	24.97	110.83	110.45	111.15	110.85	60.55
10 surface outflow	24.97	135.94	180.34	5.85	24.97	60.55	110.45	111.15	24.46	60.55
12 total outflow	24.97	135.94	180.34	5.85	24.97	8.25	110.45	111.15	2.05	60.55
13 total trapped	309.96	0.00	0.00	309.96	0.00					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.47	0.00	0.00	0.47	0.00					
Load Reduction (%)	92.41	0.00	0.00	98.00	0.00					



PROPOSED



EXISTING

Subcat Reach Pond Link

Routing Diagram for 18994_MayoCU_LaCrosse
Prepared by Anderson Engineering Of MN, LLC, Printed 3/24/2026
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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.485	39	>75% Grass cover, Good, HSG A (1E)
0.335	98	Paved parking, HSG A (1E)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.820	HSG A	1E
0.000	HSG B	
0.000	HSG C	
0.000	HSG D	
0.000	Other	

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.485	0.000	0.000	0.000	0.000	0.485	>75% Grass cover, Good	1E
0.335	0.000	0.000	0.000	0.000	0.335	Paved parking	1E

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>0.41"
Tc=10.0 min CN=63 Runoff=0.32 cfs 0.028 af

Reach 1R: Street Storm System Inflow=0.32 cfs 0.028 af
Outflow=0.32 cfs 0.028 af

Summary for Subcatchment 1E: Existing Site

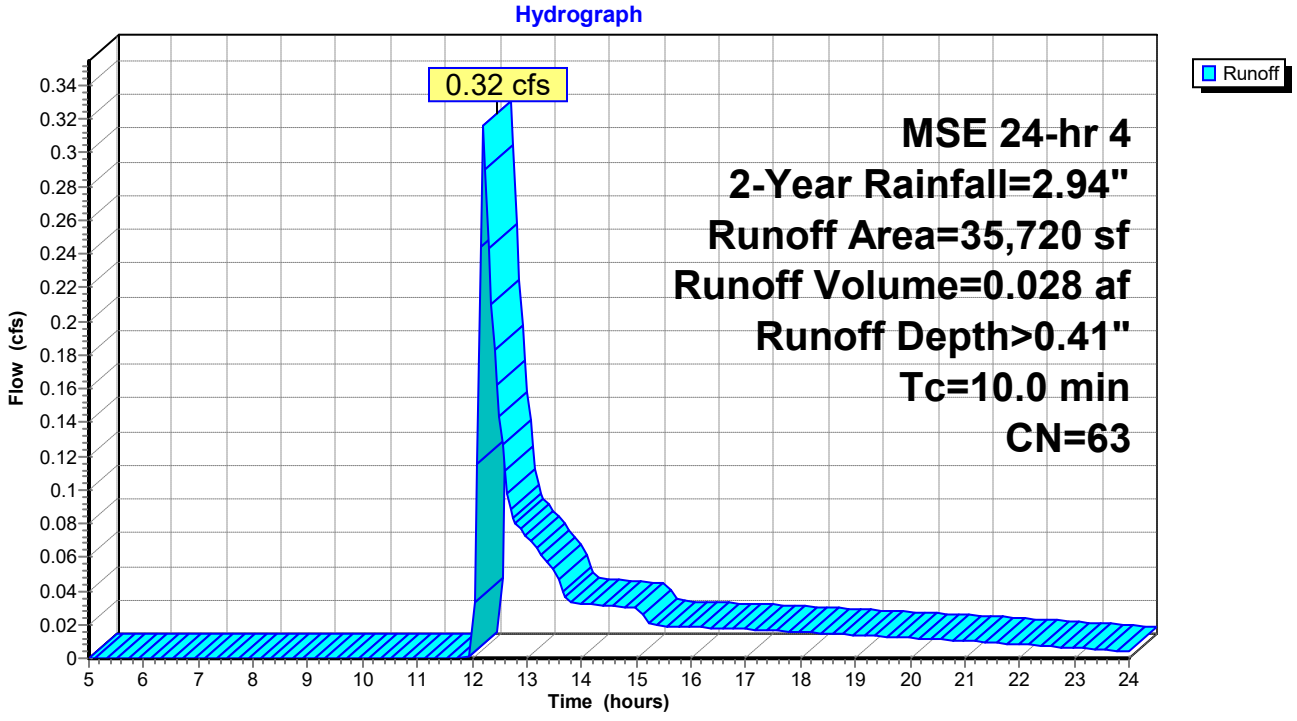
Runoff = 0.32 cfs @ 12.21 hrs, Volume= 0.028 af, Depth> 0.41"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
21,110	39	>75% Grass cover, Good, HSG A
14,610	98	Paved parking, HSG A
35,720	63	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

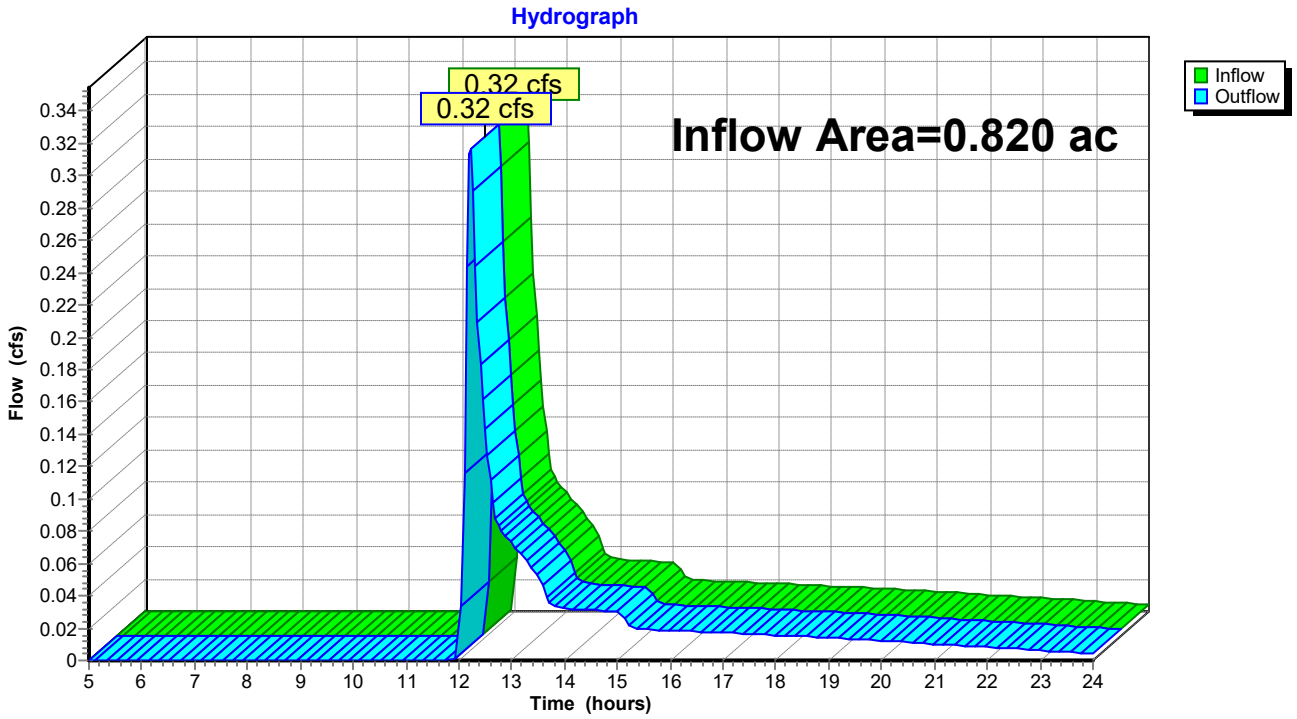


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 0.41" for 2-Year event
Inflow = 0.32 cfs @ 12.21 hrs, Volume= 0.028 af
Outflow = 0.32 cfs @ 12.21 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>1.10"
Tc=10.0 min CN=63 Runoff=1.11 cfs 0.075 af

Reach 1R: Street Storm System Inflow=1.11 cfs 0.075 af
Outflow=1.11 cfs 0.075 af

Summary for Subcatchment 1E: Existing Site

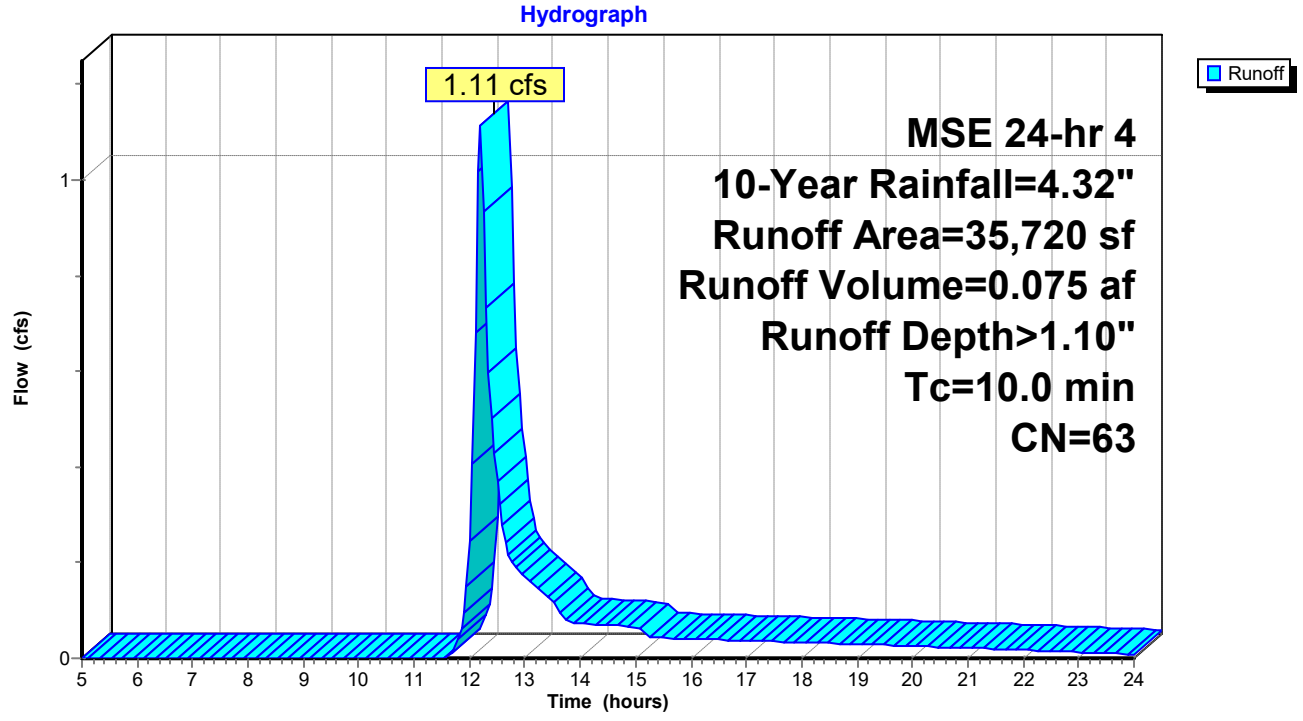
Runoff = 1.11 cfs @ 12.19 hrs, Volume= 0.075 af, Depth> 1.10"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
21,110	39	>75% Grass cover, Good, HSG A
14,610	98	Paved parking, HSG A
35,720	63	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

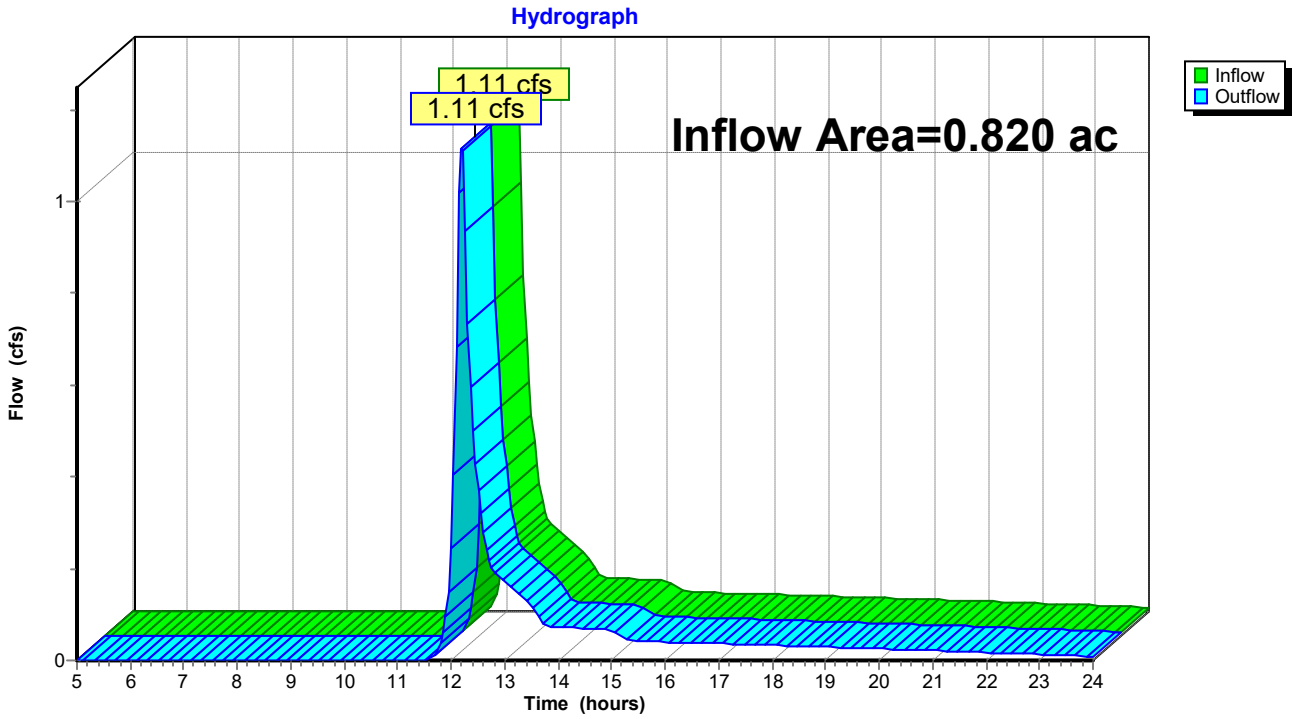


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 1.10" for 10-Year event
Inflow = 1.11 cfs @ 12.19 hrs, Volume= 0.075 af
Outflow = 1.11 cfs @ 12.19 hrs, Volume= 0.075 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>3.13"
Tc=10.0 min CN=63 Runoff=3.42 cfs 0.214 af

Reach 1R: Street Storm System Inflow=3.42 cfs 0.214 af
Outflow=3.42 cfs 0.214 af

Summary for Subcatchment 1E: Existing Site

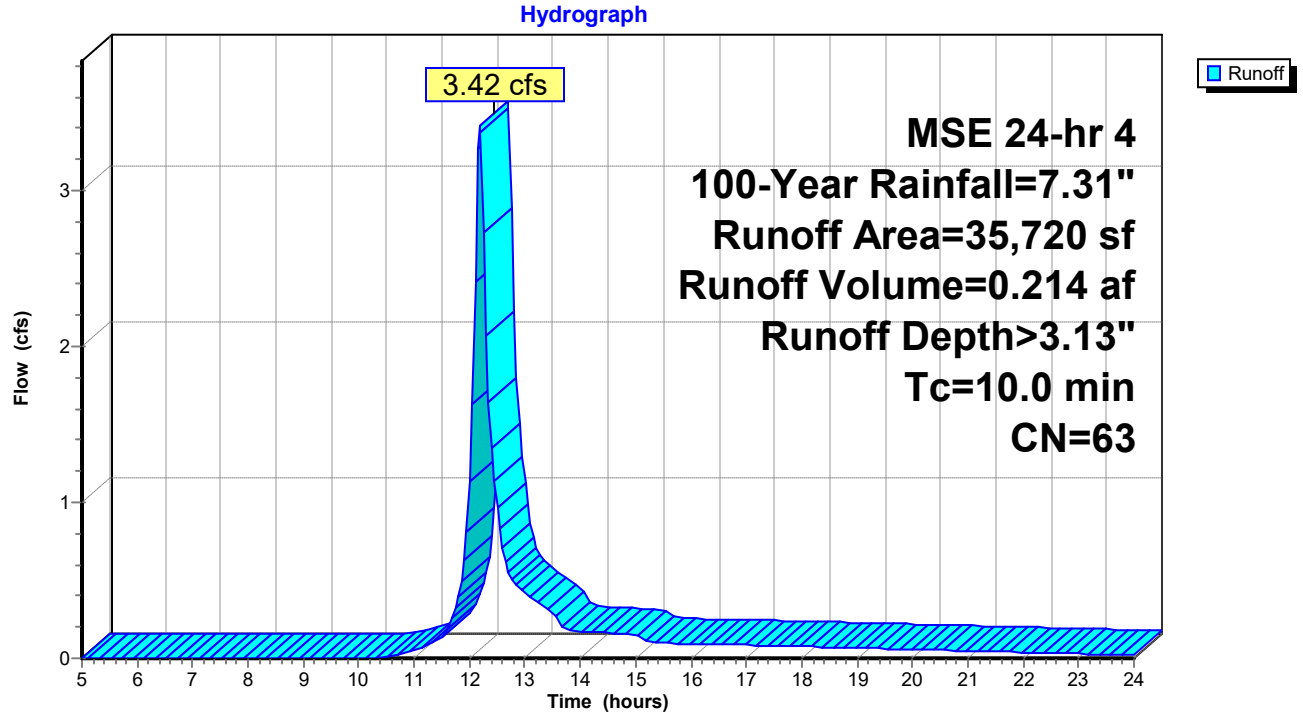
Runoff = 3.42 cfs @ 12.18 hrs, Volume= 0.214 af, Depth> 3.13"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
21,110	39	>75% Grass cover, Good, HSG A
14,610	98	Paved parking, HSG A
35,720	63	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

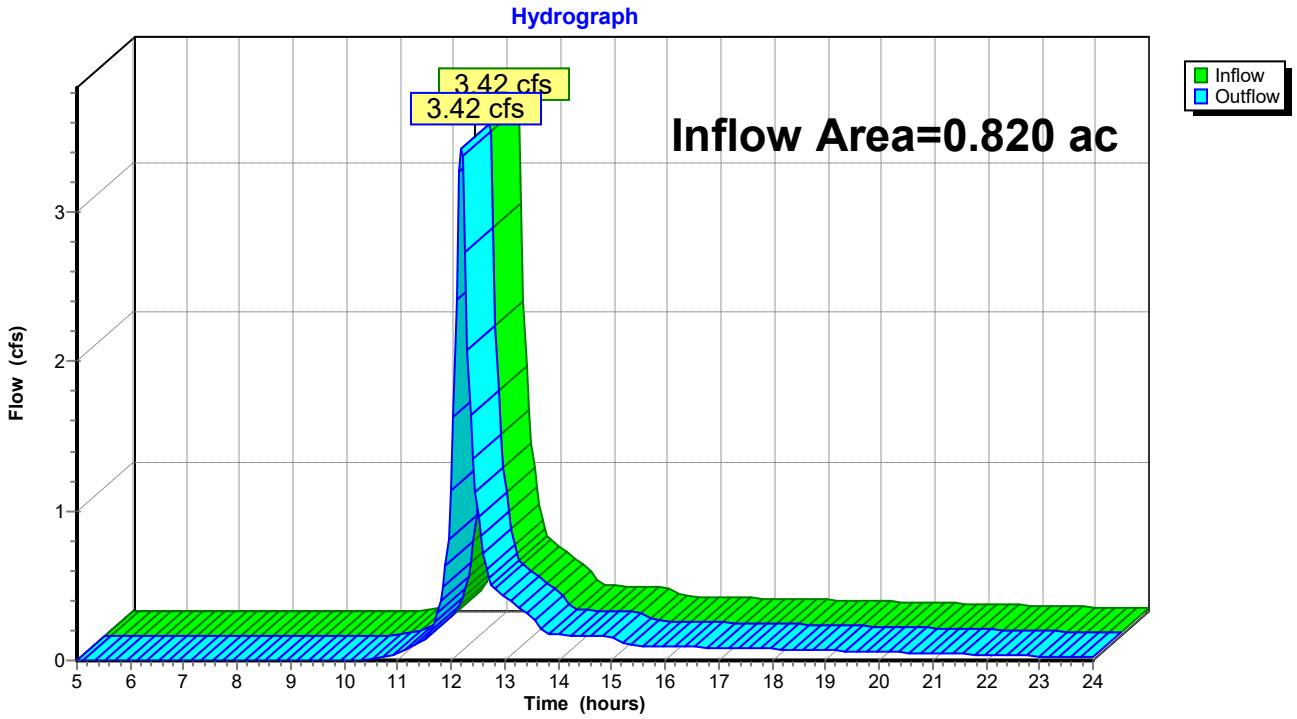


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 3.13" for 100-Year event
Inflow = 3.42 cfs @ 12.18 hrs, Volume= 0.214 af
Outflow = 3.42 cfs @ 12.18 hrs, Volume= 0.214 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.322	39	>75% Grass cover, Good, HSG A (1S, 2S, 3S, 4S)
0.435	98	Paved parking, HSG A (1S, 2S, 4S)
0.063	98	Roofs, HSG A (2S)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.820	HSG A	1S, 2S, 3S, 4S
0.000	HSG B	
0.000	HSG C	
0.000	HSG D	
0.000	Other	

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.322	0.000	0.000	0.000	0.000	0.322	>75% Grass cover, Good	1S, 2S, 3S, 4S
0.435	0.000	0.000	0.000	0.000	0.435	Paved parking	1S, 2S, 4S
0.063	0.000	0.000	0.000	0.000	0.063	Roofs	2S

Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	4P	669.25	667.32	30.0	0.0643	0.012	0.0	12.0	0.0	

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>1.14"
Tc=10.0 min CN=79 Runoff=0.46 cfs 0.029 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>1.54"
Tc=10.0 min CN=85 Runoff=0.70 cfs 0.043 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth=0.00"
Tc=10.0 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>0.23"
Tc=10.0 min CN=57 Runoff=0.01 cfs 0.002 af

Reach 10R: Street Storm System Inflow=0.11 cfs 0.022 af
Outflow=0.11 cfs 0.022 af

Pond 4P: Infiltration Pond Peak Elev=669.41' Storage=1,797 cf Inflow=1.15 cfs 0.072 af
Discarded=0.02 cfs 0.016 af Primary=0.10 cfs 0.020 af Secondary=0.00 cfs 0.000 af Outflow=0.12 cfs 0.036 af

Summary for Subcatchment 1S: North Area

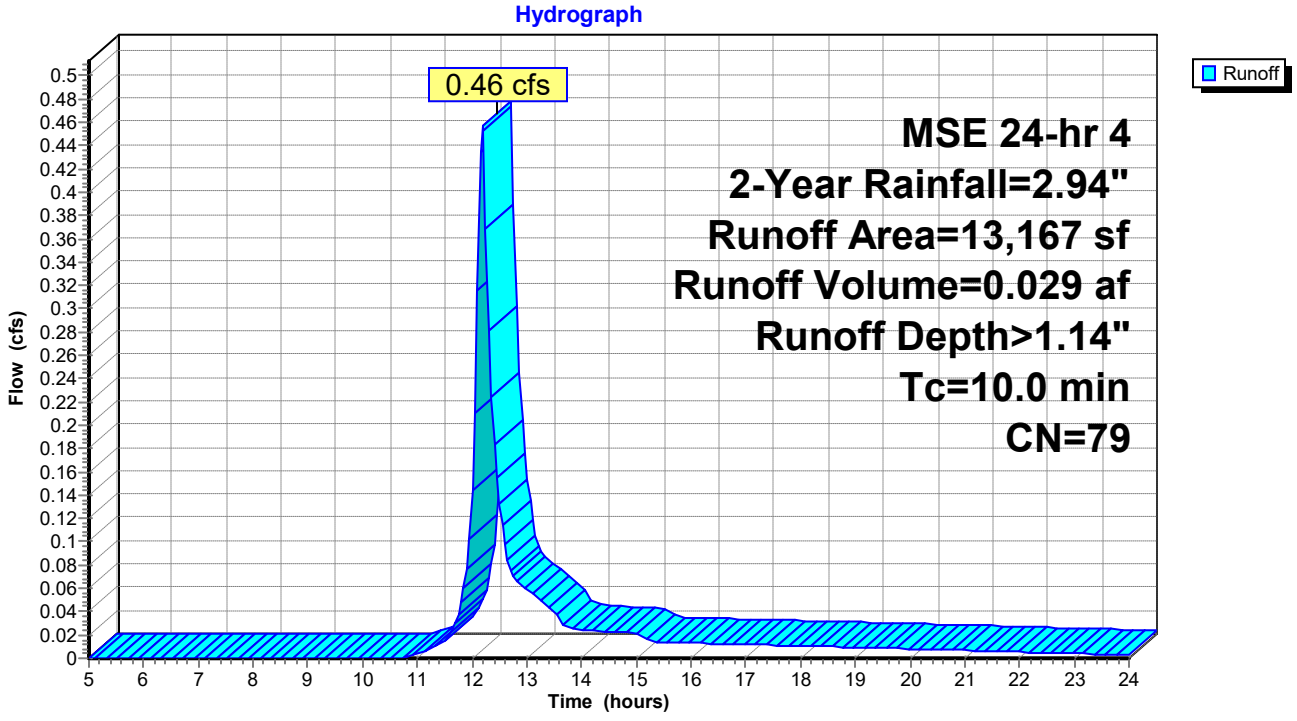
Runoff = 0.46 cfs @ 12.18 hrs, Volume= 0.029 af, Depth> 1.14"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG A
4,164	39	>75% Grass cover, Good, HSG A
13,167	79	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

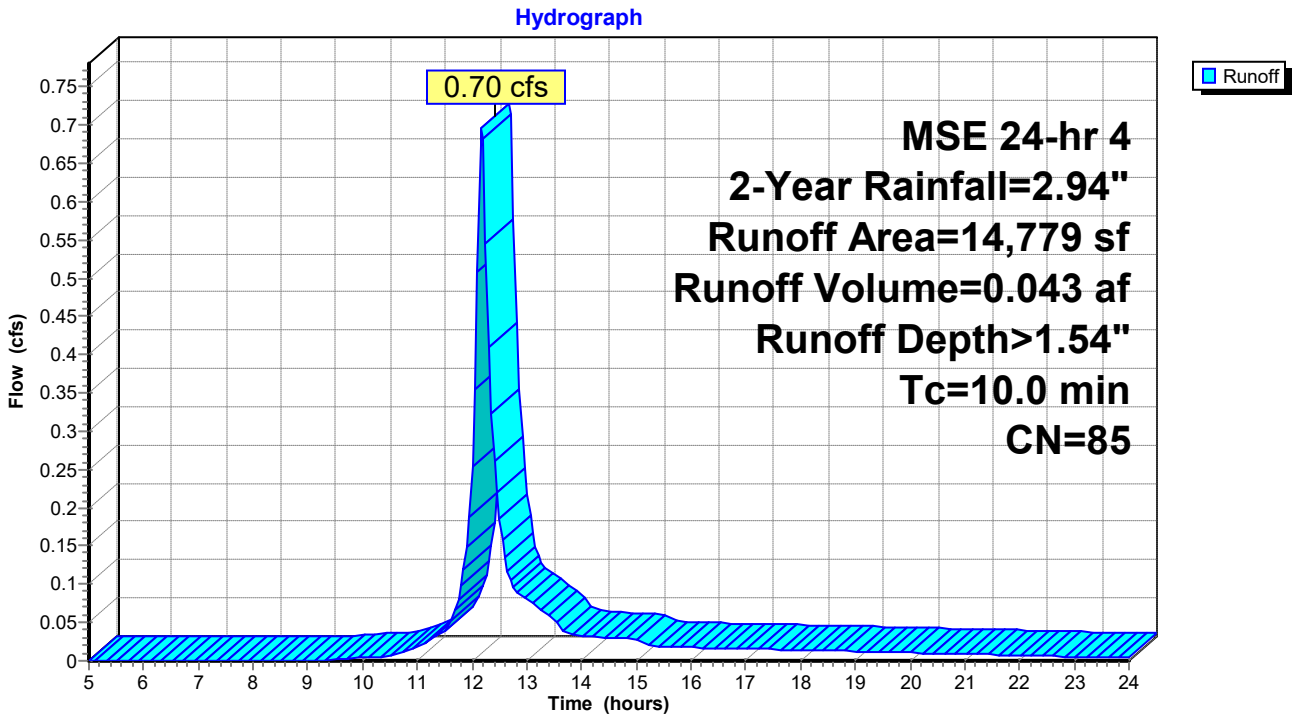
Runoff = 0.70 cfs @ 12.18 hrs, Volume= 0.043 af, Depth> 1.54"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
2,735	98	Roofs, HSG A
8,772	98	Paved parking, HSG A
3,272	39	>75% Grass cover, Good, HSG A
14,779	85	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

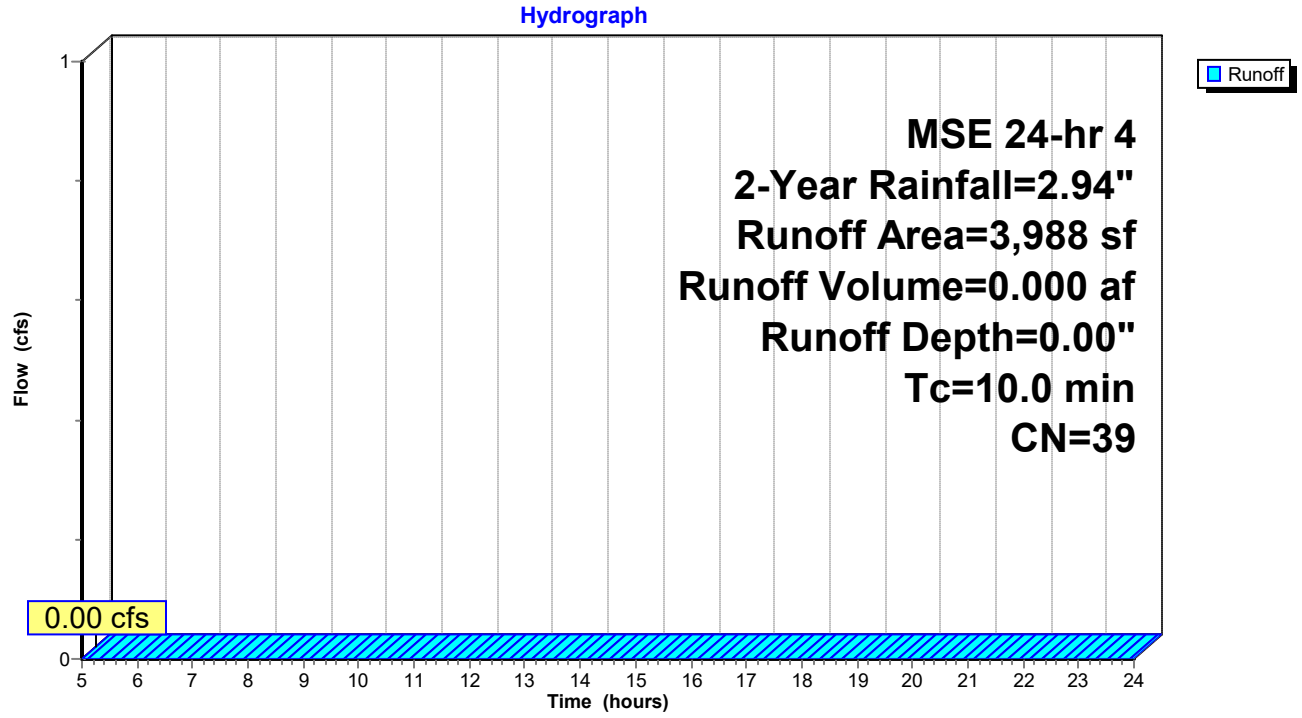
Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
3,988	39	>75% Grass cover, Good, HSG A
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

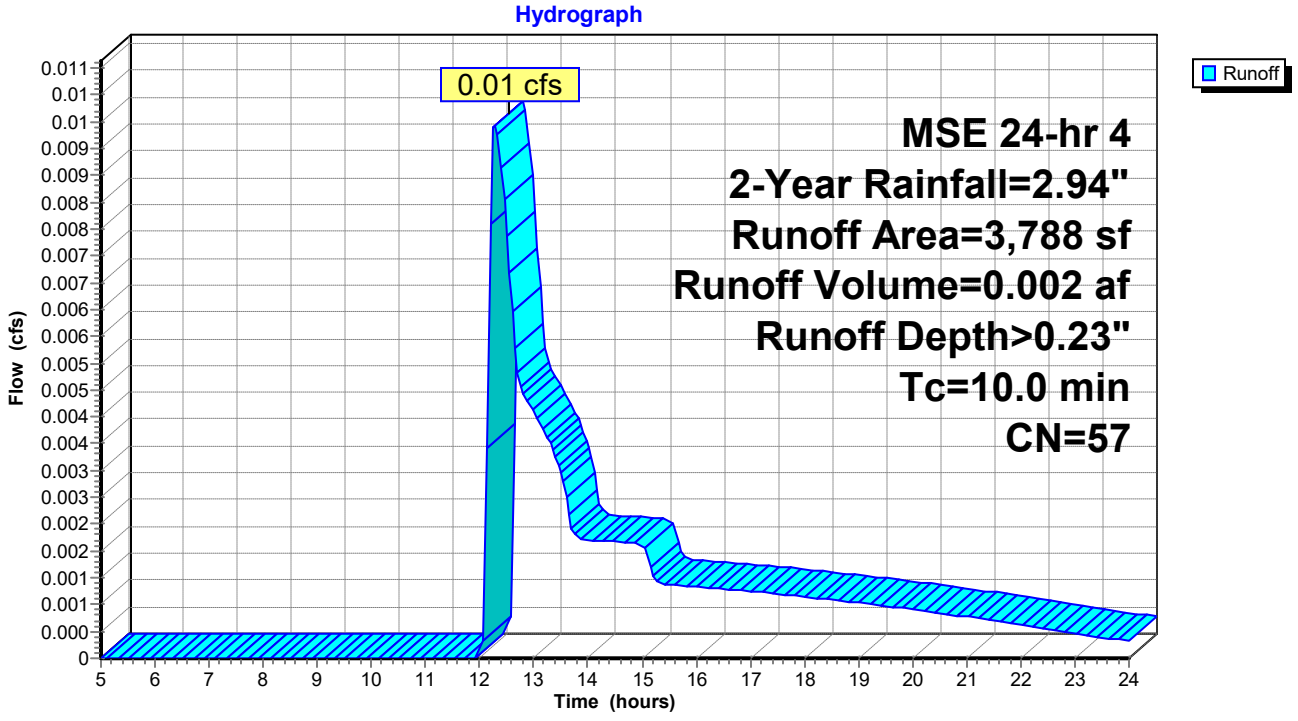
Runoff = 0.01 cfs @ 12.28 hrs, Volume= 0.002 af, Depth> 0.23"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG A
2,612	39	>75% Grass cover, Good, HSG A
3,788	57	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

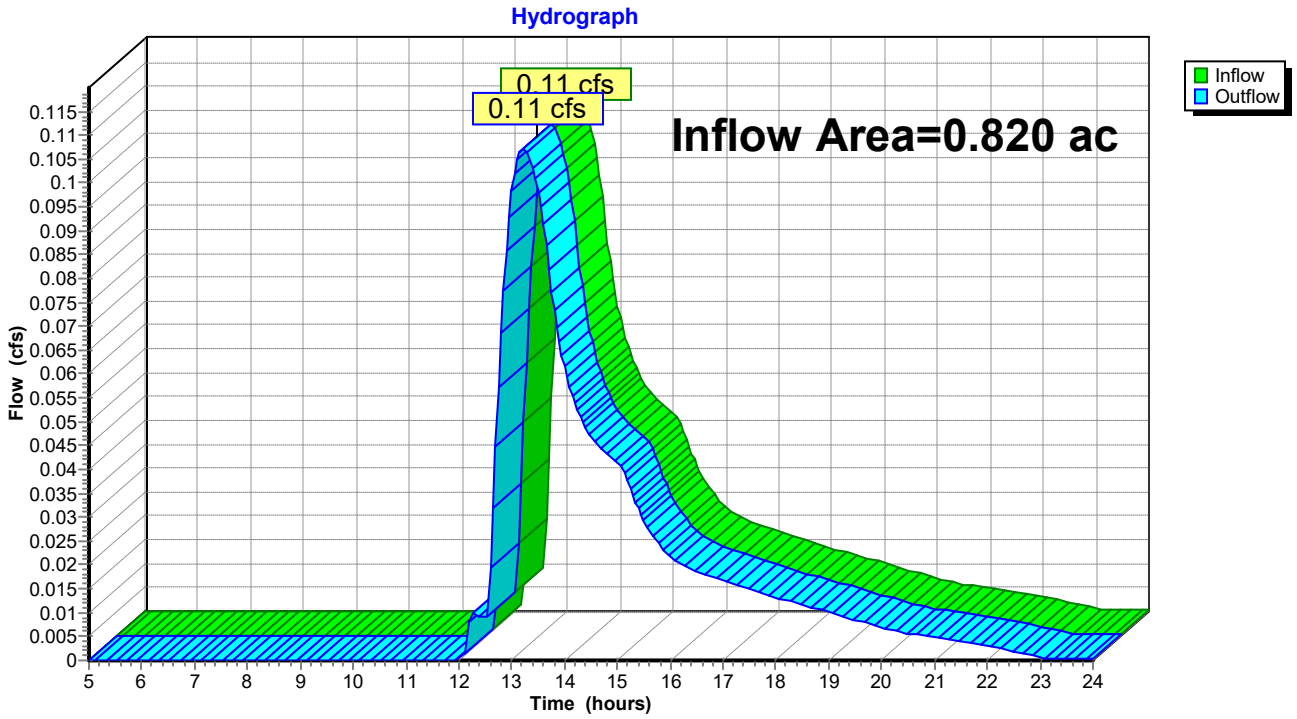


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 0.32" for 2-Year event
Inflow = 0.11 cfs @ 13.22 hrs, Volume= 0.022 af
Outflow = 0.11 cfs @ 13.22 hrs, Volume= 0.022 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 1.18" for 2-Year event
Inflow = 1.15 cfs @ 12.18 hrs, Volume= 0.072 af
Outflow = 0.12 cfs @ 13.23 hrs, Volume= 0.036 af, Atten= 90%, Lag= 62.8 min
Discarded = 0.02 cfs @ 13.23 hrs, Volume= 0.016 af
Primary = 0.10 cfs @ 13.23 hrs, Volume= 0.020 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 669.41' @ 13.23 hrs Surf.Area= 1,338 sf Storage= 1,797 cf

Plug-Flow detention time= 242.3 min calculated for 0.036 af (50% of inflow)
Center-of-Mass det. time= 141.6 min (967.8 - 826.2)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	4,496 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	540	0	0
670.00	1,583	2,654	2,654
671.00	2,102	1,843	4,496

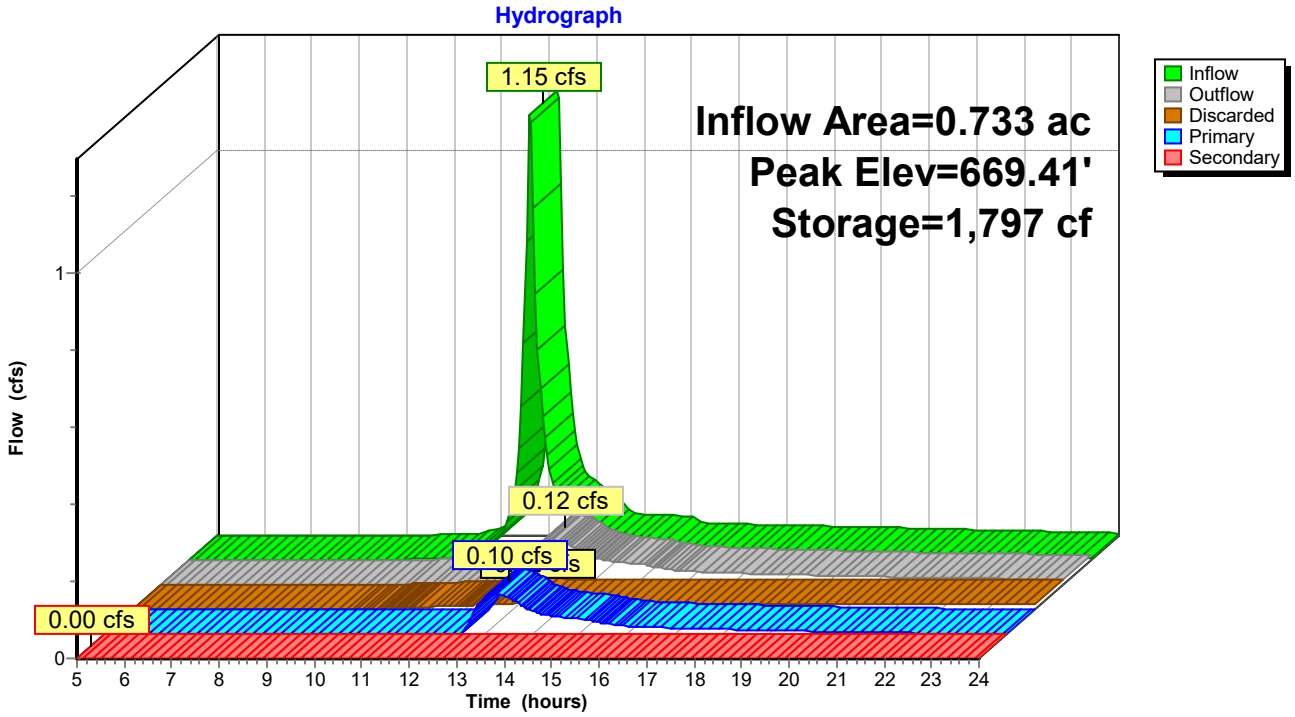
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.25'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.25' / 667.32' S= 0.0643 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 13.23 hrs HW=669.41' (Free Discharge)
↑—**3=Exfiltration** (Controls 0.02 cfs)

Primary OutFlow Max=0.10 cfs @ 13.23 hrs HW=669.41' (Free Discharge)
↑—**2=RCP_Round 12"** (Inlet Controls 0.10 cfs @ 1.22 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>2.22"
Tc=10.0 min CN=79 Runoff=0.90 cfs 0.056 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>2.74"
Tc=10.0 min CN=85 Runoff=1.23 cfs 0.078 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.08"
Tc=10.0 min CN=39 Runoff=0.00 cfs 0.001 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>0.76"
Tc=10.0 min CN=57 Runoff=0.07 cfs 0.006 af

Reach 10R: Street Storm System Inflow=1.02 cfs 0.085 af
Outflow=1.02 cfs 0.085 af

Pond 4P: Infiltration Pond Peak Elev=669.80' Storage=2,340 cf Inflow=2.13 cfs 0.134 af
Discarded=0.02 cfs 0.017 af Primary=0.97 cfs 0.080 af Secondary=0.00 cfs 0.000 af Outflow=0.99 cfs 0.097 af

Summary for Subcatchment 1S: North Area

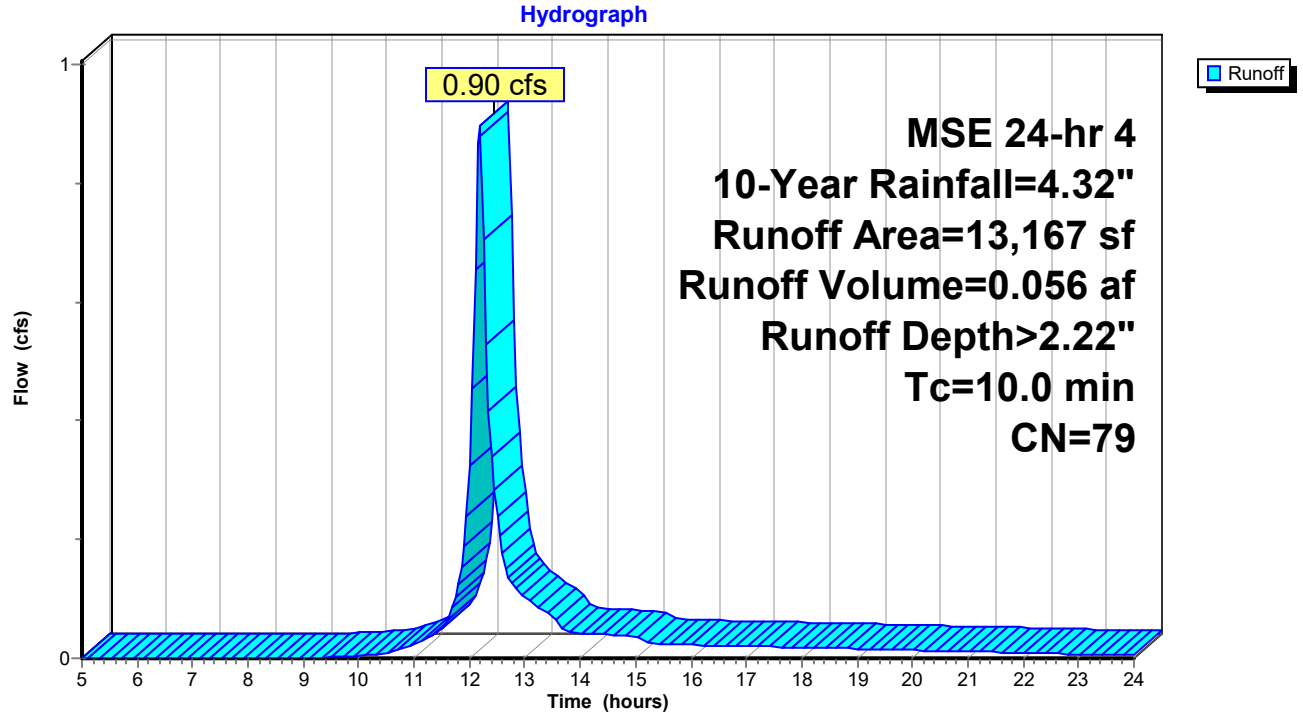
Runoff = 0.90 cfs @ 12.18 hrs, Volume= 0.056 af, Depth> 2.22"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG A
4,164	39	>75% Grass cover, Good, HSG A
13,167	79	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

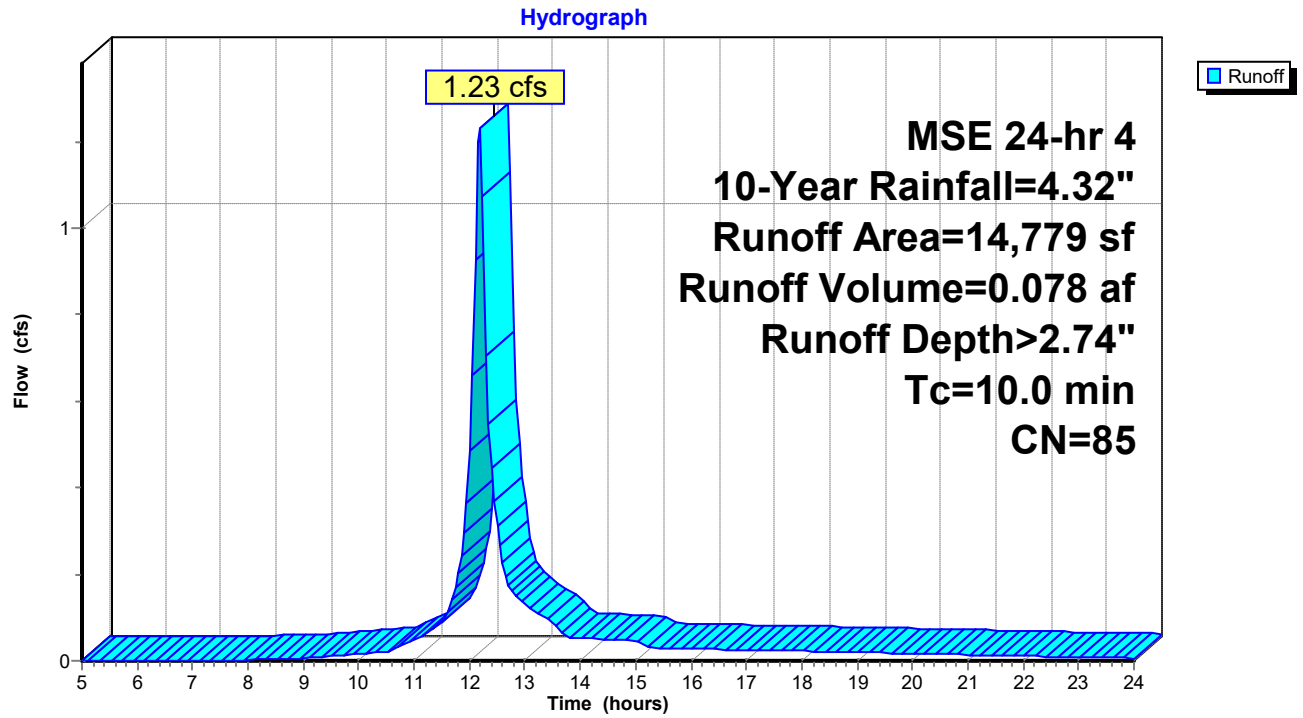
Runoff = 1.23 cfs @ 12.17 hrs, Volume= 0.078 af, Depth> 2.74"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
2,735	98	Roofs, HSG A
8,772	98	Paved parking, HSG A
3,272	39	>75% Grass cover, Good, HSG A
14,779	85	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

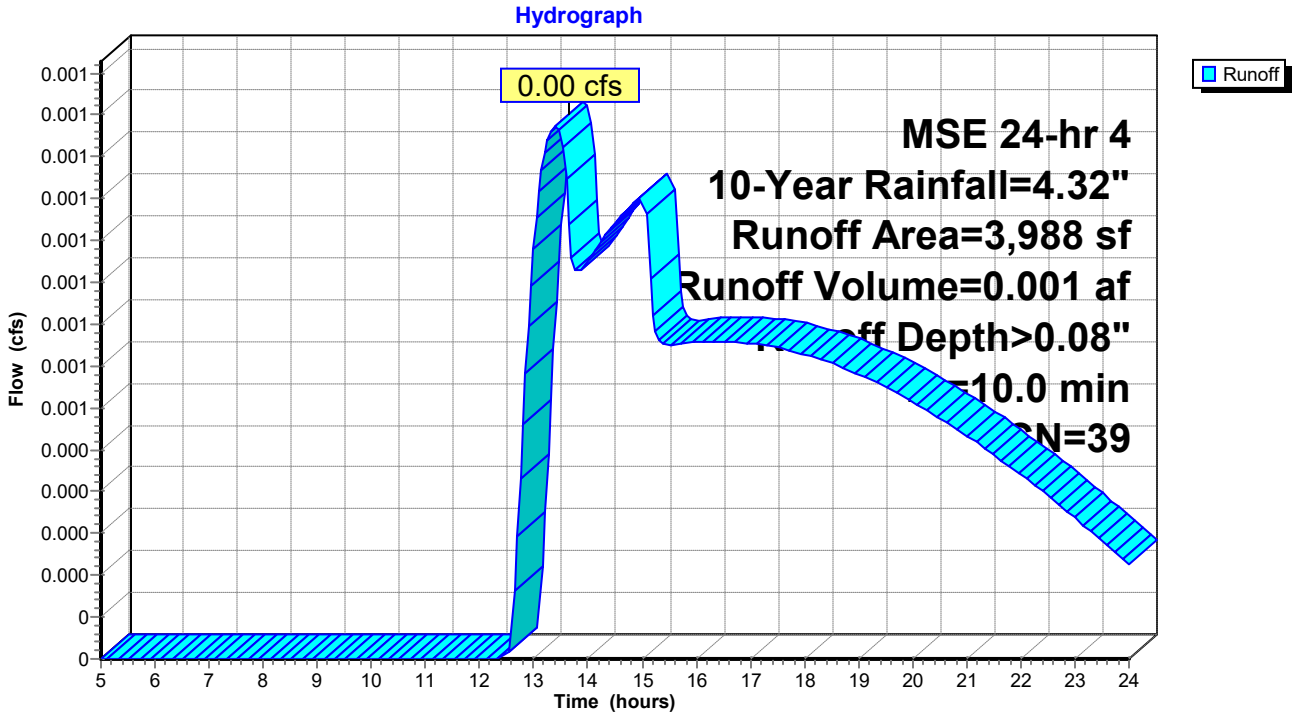
Runoff = 0.00 cfs @ 13.39 hrs, Volume= 0.001 af, Depth> 0.08"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
3,988	39	>75% Grass cover, Good, HSG A
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

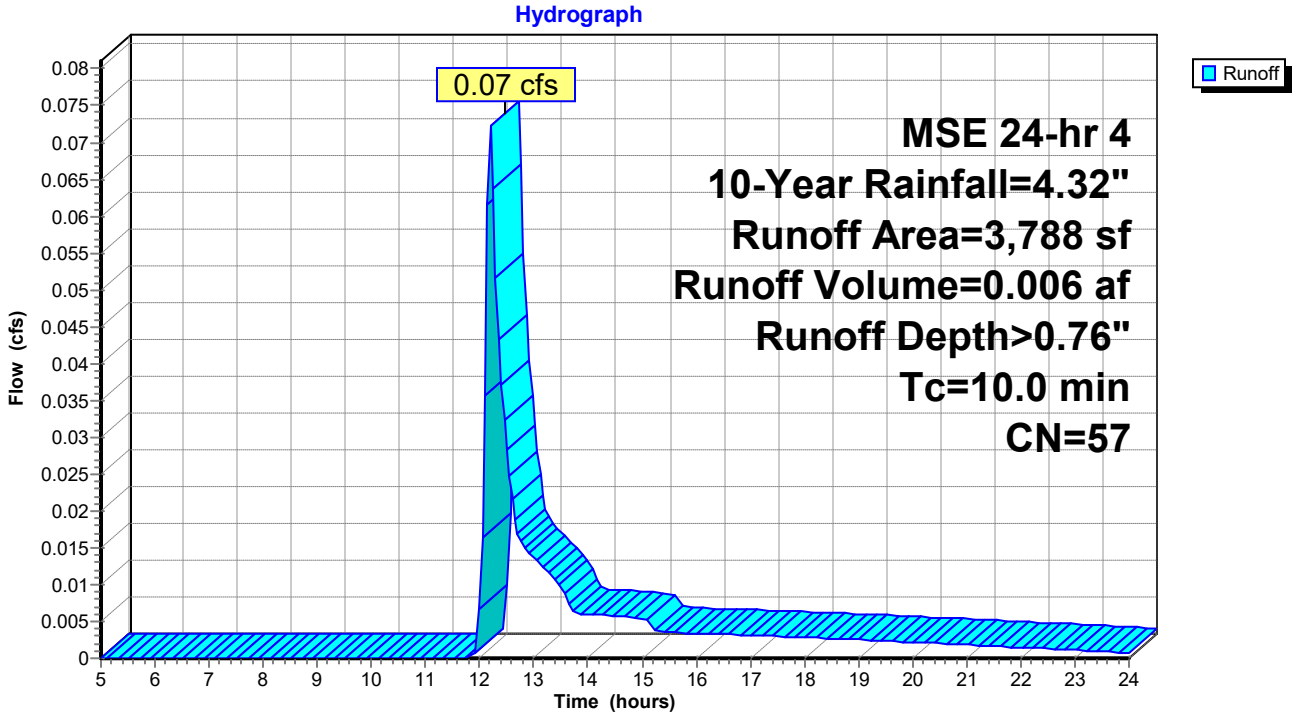
Runoff = 0.07 cfs @ 12.20 hrs, Volume= 0.006 af, Depth> 0.76"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG A
2,612	39	>75% Grass cover, Good, HSG A
3,788	57	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

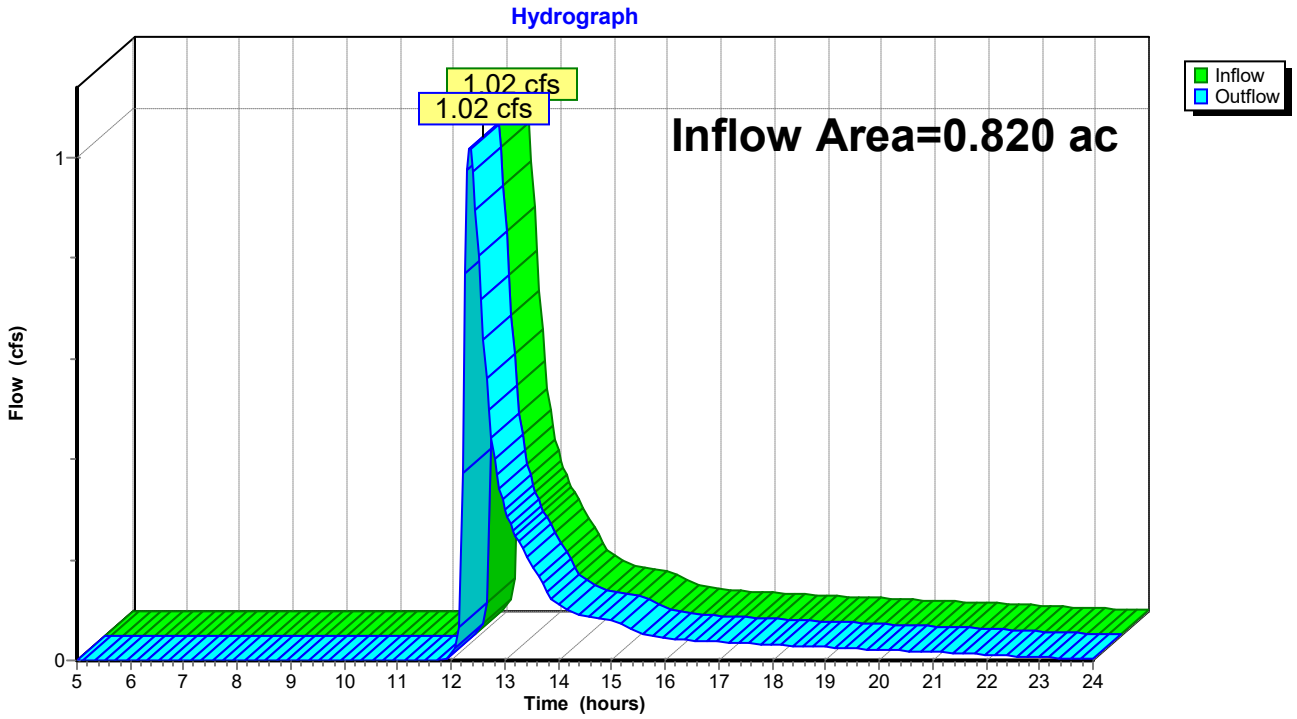


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 1.25" for 10-Year event
Inflow = 1.02 cfs @ 12.35 hrs, Volume= 0.085 af
Outflow = 1.02 cfs @ 12.35 hrs, Volume= 0.085 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 2.20" for 10-Year event
Inflow = 2.13 cfs @ 12.18 hrs, Volume= 0.134 af
Outflow = 0.99 cfs @ 12.35 hrs, Volume= 0.097 af, Atten= 53%, Lag= 10.6 min
Discarded = 0.02 cfs @ 12.35 hrs, Volume= 0.017 af
Primary = 0.97 cfs @ 12.35 hrs, Volume= 0.080 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 669.80' @ 12.35 hrs Surf.Area= 1,498 sf Storage= 2,340 cf

Plug-Flow detention time= 142.1 min calculated for 0.097 af (72% of inflow)
Center-of-Mass det. time= 62.1 min (875.0 - 812.9)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	4,496 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	540	0	0
670.00	1,583	2,654	2,654
671.00	2,102	1,843	4,496

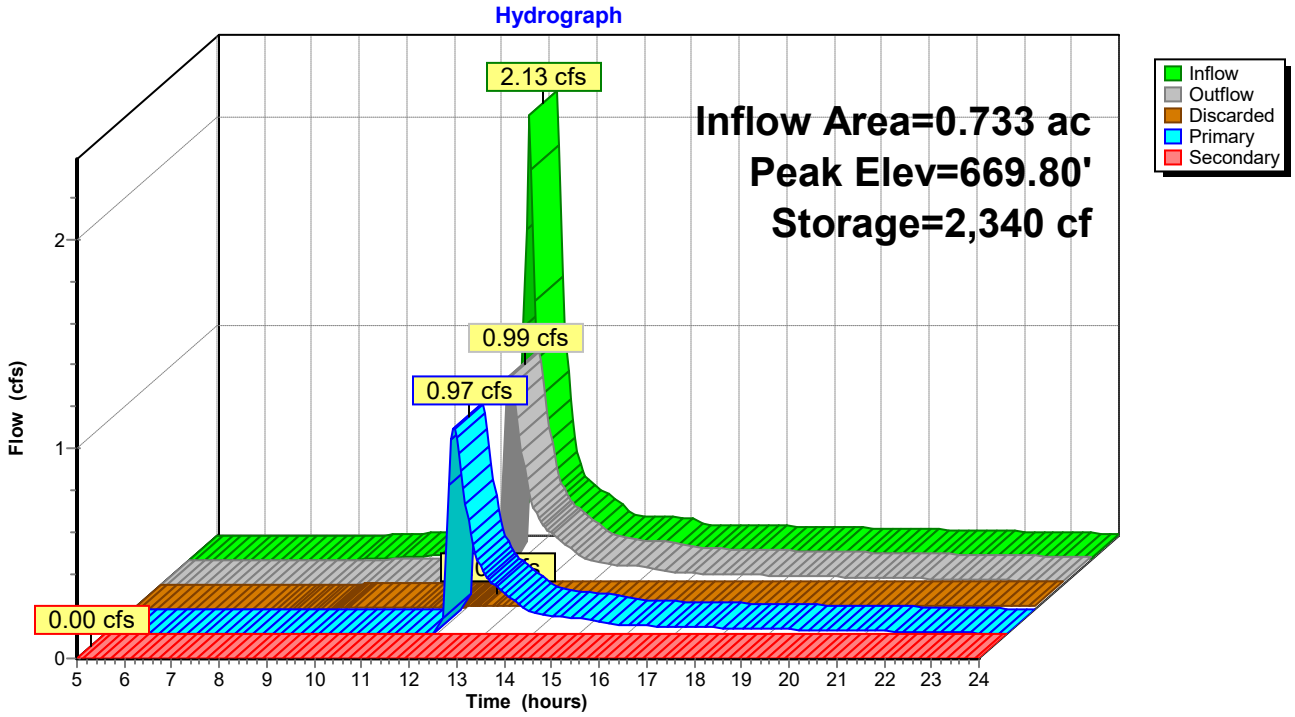
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.25'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.25' / 667.32' S= 0.0643 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.35 hrs HW=669.80' (Free Discharge)
↑—**3=Exfiltration** (Controls 0.02 cfs)

Primary OutFlow Max=0.97 cfs @ 12.35 hrs HW=669.80' (Free Discharge)
↑—**2=RCP_Round 12"** (Inlet Controls 0.97 cfs @ 2.22 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
↑—**1=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>4.87"
Tc=10.0 min CN=79 Runoff=1.94 cfs 0.123 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>5.55"
Tc=10.0 min CN=85 Runoff=2.41 cfs 0.157 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.88"
Tc=10.0 min CN=39 Runoff=0.07 cfs 0.007 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>2.52"
Tc=10.0 min CN=57 Runoff=0.29 cfs 0.018 af

Reach 10R: Street Storm System Inflow=3.14 cfs 0.247 af
Outflow=3.14 cfs 0.247 af

Pond 4P: Infiltration Pond Peak Elev=670.51' Storage=3,537 cf Inflow=4.41 cfs 0.286 af
Discarded=0.02 cfs 0.020 af Primary=2.92 cfs 0.228 af Secondary=0.00 cfs 0.000 af Outflow=2.94 cfs 0.248 af

Summary for Subcatchment 1S: North Area

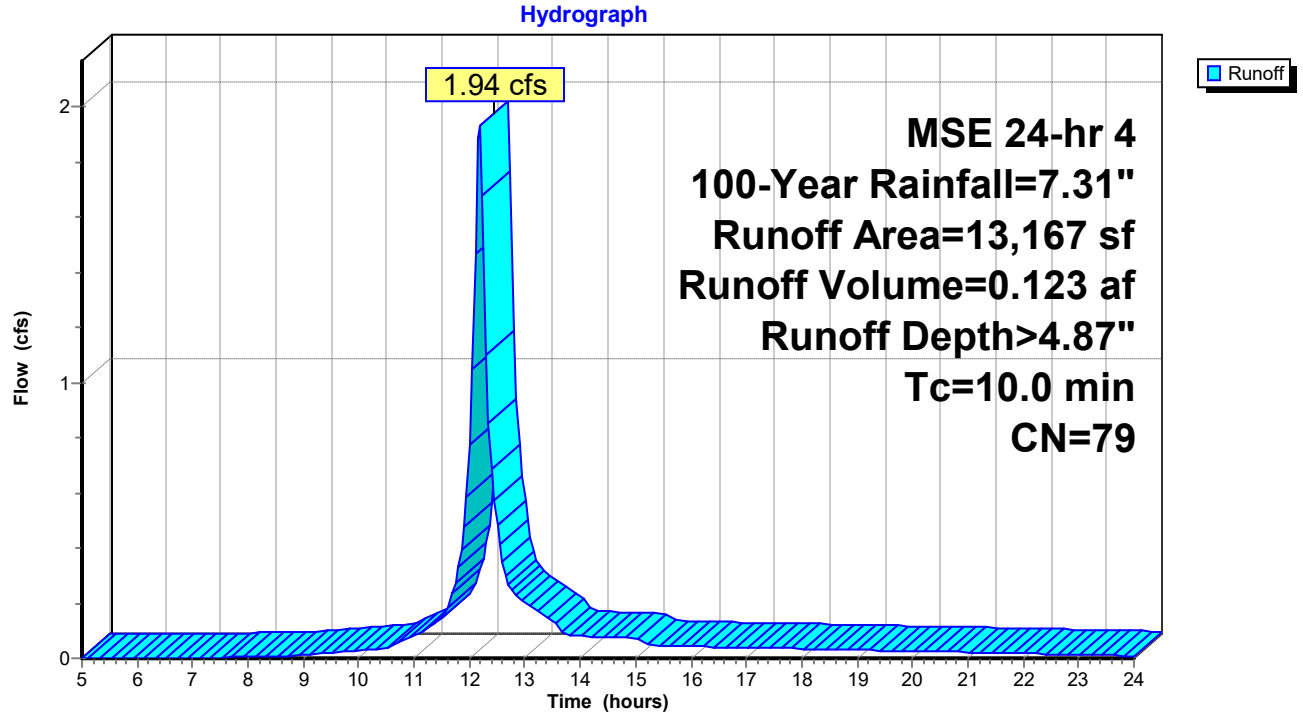
Runoff = 1.94 cfs @ 12.17 hrs, Volume= 0.123 af, Depth> 4.87"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG A
4,164	39	>75% Grass cover, Good, HSG A
13,167	79	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

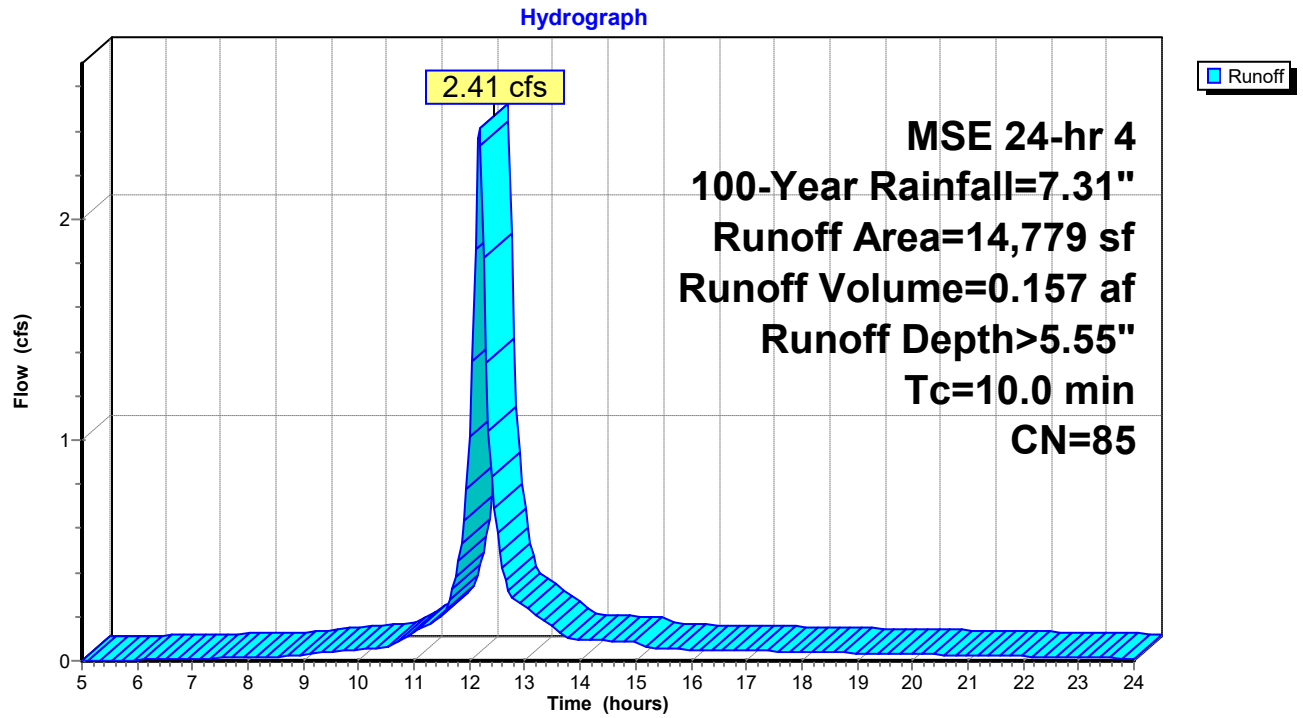
Runoff = 2.41 cfs @ 12.17 hrs, Volume= 0.157 af, Depth> 5.55"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
2,735	98	Roofs, HSG A
8,772	98	Paved parking, HSG A
3,272	39	>75% Grass cover, Good, HSG A
14,779	85	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

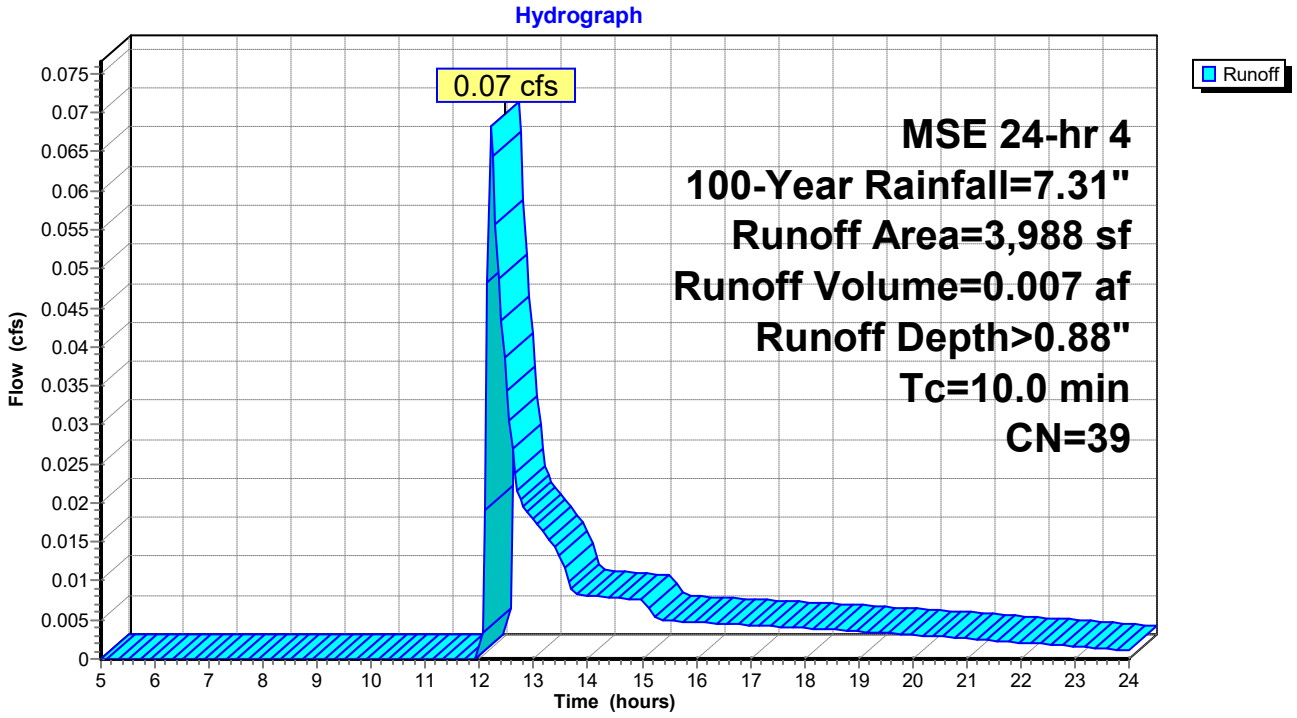
Runoff = 0.07 cfs @ 12.22 hrs, Volume= 0.007 af, Depth> 0.88"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
3,988	39	>75% Grass cover, Good, HSG A
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

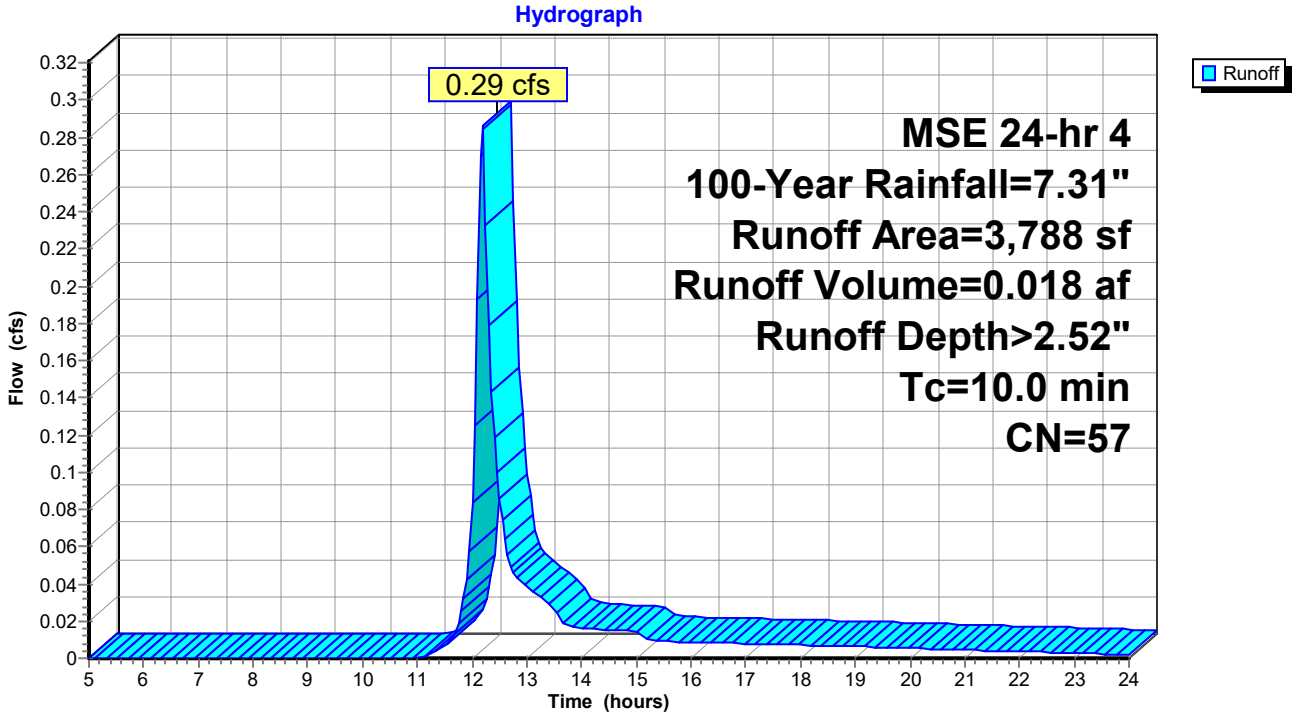
Runoff = 0.29 cfs @ 12.19 hrs, Volume= 0.018 af, Depth> 2.52"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG A
2,612	39	>75% Grass cover, Good, HSG A
3,788	57	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

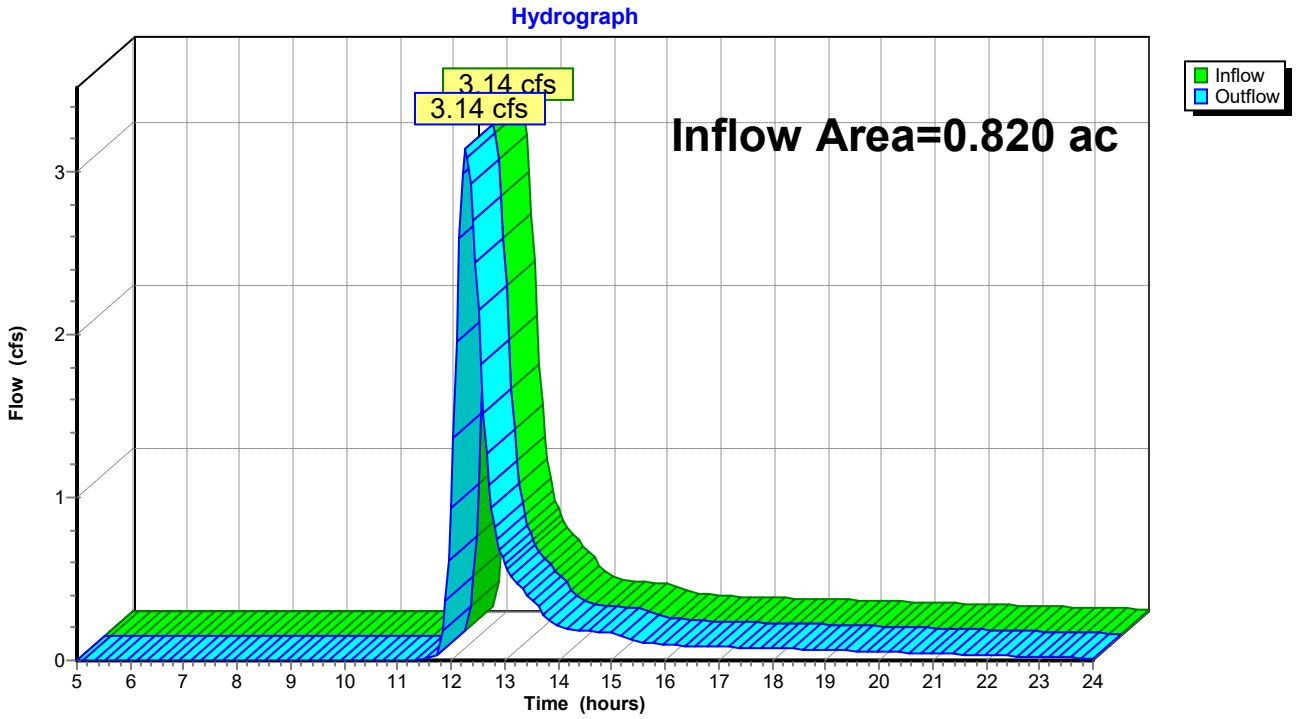


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 3.61" for 100-Year event
Inflow = 3.14 cfs @ 12.26 hrs, Volume= 0.247 af
Outflow = 3.14 cfs @ 12.26 hrs, Volume= 0.247 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 4.68" for 100-Year event
Inflow = 4.41 cfs @ 12.17 hrs, Volume= 0.286 af
Outflow = 2.94 cfs @ 12.28 hrs, Volume= 0.248 af, Atten= 33%, Lag= 6.1 min
Discarded = 0.02 cfs @ 12.28 hrs, Volume= 0.020 af
Primary = 2.92 cfs @ 12.28 hrs, Volume= 0.228 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 670.51' @ 12.28 hrs Surf.Area= 1,850 sf Storage= 3,537 cf

Plug-Flow detention time= 90.8 min calculated for 0.248 af (87% of inflow)
Center-of-Mass det. time= 36.4 min (833.7 - 797.2)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	4,496 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	540	0	0
670.00	1,583	2,654	2,654
671.00	2,102	1,843	4,496

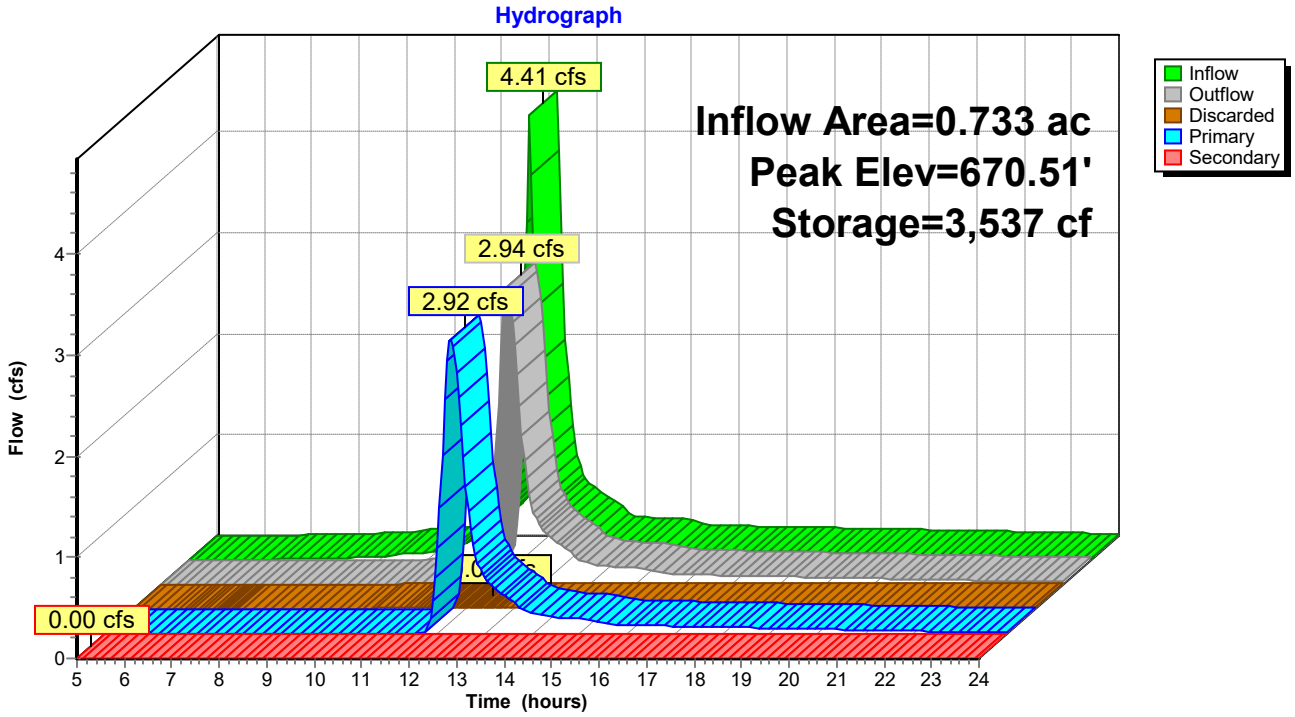
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.25'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.25' / 667.32' S= 0.0643 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.28 hrs HW=670.51' (Free Discharge)
3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=2.90 cfs @ 12.28 hrs HW=670.51' (Free Discharge)
2=RCP_Round 12" (Inlet Controls 2.90 cfs @ 3.70 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Chosen Valley Testing, Inc.

Design Phase Geotechnical Report:

New Mayo Employees Federal Credit Union
605 West Ave S
La Crosse, Wisconsin
CVT# 26630.25.WIL

Prepared for:

Susan Palen
Mayo Employees Federal Credit Union

Certification:



I hereby certify that this report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.

Devin M. Ehler, PE
Geotechnical Engineer
Registration Number 44630
Date: March 11, 2026

Chosen Valley Testing, Inc.

Geotechnical Engineering & Testing • 1019 2nd Ave. SW, Onalaska, WI 54650 • Telephone (608) 782-5505 • E-mail lacrosse@cvtesting.com

Susan Palen
Mayo Employees Federal Credit Union
130 23rd Avenue SW
Rochester, MN 55902

March 11, 2026

cc: Sam Challe
HTG Architects
1010 Mainstreet, Suite 100
Hopkins, MN 55343
schalle@htg-architects.com

Re: Design Phase Geotechnical Evaluation
Proposed New Mayo Employees Federal Credit Union
605 West Avenue S
La Crosse, Wisconsin
CVT Project 26630.25.WIL

Dear Ms. Palen,

As authorized, we have completed the geotechnical evaluation for the proposed New Mayo Employees Federal Credit Union in La Crosse, Wisconsin. This letter briefly summarizes the findings, analysis, and recommendations in the attached report.

Summary of Boring Results

The borings drilled in the existing paved areas encountered between 3 and 4 inches of asphalt over 5 to 7½ inches of aggregate base. The stormwater and parking lot borings drilled in the green areas on the north and south ends of the site met approximately ½ to 2 ½ feet of topsoil. Fill materials followed in the western building borings, north stormwater boring, and south parking lot boring to depths of roughly 6 ½ to 7 ½ feet, with the exception of the south parking lot boring terminated around 2 ½ feet due to refusal of auger advancement on concrete/potential utility. The fill material samples consisted of clayey sand and cleaner sands occasionally containing clay inclusions and masonry/concrete debris.

Beneath the pavements sections and fill materials, the building and stormwater borings dominantly found native clean sands to their planned termination depths around 10 to 26 feet below the surface.

Water was not observed in any of the borings during our exploration and none of the samples appeared to be overly wet or water bearing. We would expect moisture to be capable of perching above clayey layers. Groundwater levels on site would be expected to fluctuate seasonally with local weather patterns and similar to water levels in nearby bodies of water.

Summary of Analysis and Recommendations

The soil borings generally encountered pavement sections or topsoil over fill materials in the western building and stormwater/parking lot borings over native clean sand. The topsoil, pavements, and fill are unsuitable and/or unreliable for support of the structure and should be completely removed from below the new building slabs and footings. The fill was about 6 ½ to 7 ½ feet deep in the two western building borings.

Clean sand or gravel should be used as structural fill for replacement below slabs and footings. Some of the existing fill samples consisted of "poorly graded" sand that would be anticipated to meet this specification, provided clay inclusions and masonry/concrete debris is separated and removed. Proposed fill material should still be evaluated by geotechnical personnel prior to its use.

Based on the boring data, assumed structural loads, assumed floor elevation, typical frost-footing depths, and proper implementation of our earthwork recommendations, we are of the opinion that foundations may be designed using an allowable bearing capacity up to 4,000 psf (pounds per square foot). Total settlement is then expected to be less than 1 inch and differential settlement between similarly loaded footings is anticipated to be less than ½ inch.

Remarks

CVT appreciates the opportunity to provide geotechnical services for this project. The attached report provides further details of our analysis and recommendations for the building, paved areas, and stormwater area. If you have any questions or need additional information, please contact us at (608) 782-5505 or (507) 281-0968.

Sincerely,
Chosen Valley Testing, Inc.

Devin M. Ehler, PE
Geotechnical Engineer

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BORING LOCATION SKETCH

LOG OF BORING 1-7

GRADATION CURVES

SOIL AND SITE EVALUATION - STORM

LEGEND TO SOIL DESCRIPTION

Design Phase Geotechnical Evaluation
Proposed New Mayo Employees Federal Credit Union
605 West Ave S
La Crosse, Wisconsin

CVT Project Number: 26630.25.WIL
Date: March 11, 2026

A. Introduction

The intent of this report is to present our findings to the client in the same logical sequence that led us to arrive at the opinions and recommendations expressed. Since our services often must be completed before the design is finished, assumptions are often needed to prepare a proper scope and to analyze the data. A complete and thorough review of the entire document, including its assumptions and its appendices, should be undertaken immediately upon receipt.

A.1. Purpose

This geotechnical report was prepared to aid in the design and construction of the proposed New Mayo Employees Federal Credit Union in La Crosse, Wisconsin. Our services were authorized by Susan Palen, Executive Vice President of Mayo Employees Federal Credit Union.

A.2. Scope

To obtain data for analysis, a total of 7 penetration test borings were authorized with 5 borings for the building, 1 boring for the parking lot, and 1 boring for a proposed stormwater area. The building borings were drilled to depths of about 26 feet, the parking lot boring to an auger refusal depth of approximately 2½ feet, and the stormwater boring to roughly 10 feet. Our engineering scope included providing geotechnical recommendations for the building, paved areas, and stormwater area.

A.3. Boring Locations and Elevations

The desired boring locations were indicated to Chosen Valley Testing (CVT) on a site layout provided by HTG Architects. The Boring Location Sketch in the Appendix shows the approximate locations as drilled according to GPS coordinates recorded in the field from a handheld device which were plotted onto aerial imagery with the site layout overlain using Google Earth software.

Ground surface elevations for the borings were estimated using a laser level. The finished floor of the existing building was used as a benchmark and is understood to be near elevation 673.25 feet.

A.4. Geologic Background

A geotechnical report is based on subsurface data collected for the specific structure or problem. Available geologic data from the region can help interpretation of the data and is briefly summarized in this section.

Geologic maps indicate that the natural surficial soils in the area are dominated by glacial outwash deposited sands and gravels. Bedrock is commonly mapped on the order of 100 to 200 feet below the surface with the uppermost formation typically consisting of sandstone, dolomite, and shale of the Trempealeau Formation.

B. Subsurface Data

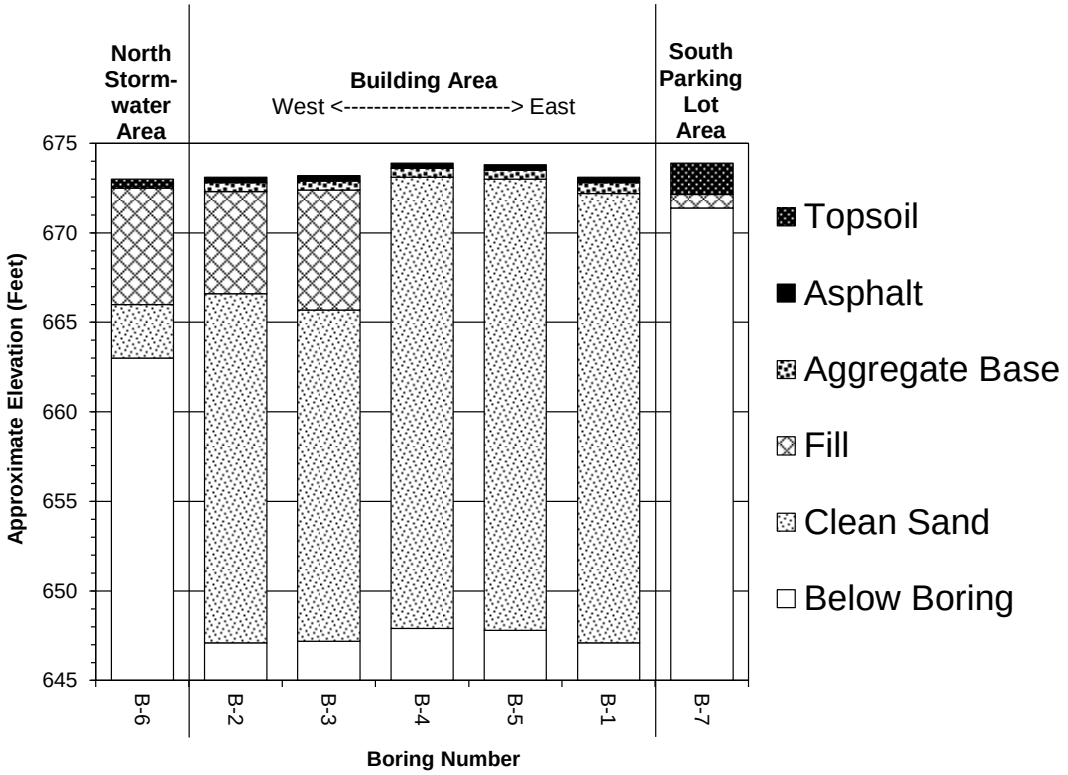
Procedures: The borings were performed using penetration test procedures (Method of Test ASTM D1586). This procedure allows for the extraction of intact soil specimens from deep in the ground. With this method, a hollow-stem auger is drilled to the desired sampling depth. A 2-inch OD sampling tube is then screwed onto the end of a sampling rod, inserted through the hole in the auger's tip, and then driven into the soil with a 140-pound hammer dropped repeatedly from a height of 30 inches above the sampling rod. The sampler is driven 18 inches into the soil unless the material is too hard. The samples are generally taken at 2½ to 5-foot intervals. The core of soil obtained was classified and logged by the driller on site and a representative portion was then sealed and delivered to the geotechnical engineer for further review.

B.1. Stratification

The borings drilled in the existing paved areas encountered between 3 and 4 inches of asphalt over 5 to 7½ inches of aggregate base. The stormwater and parking lot borings (B-6 and B-7) drilled in the green areas on the north and south ends of the site met approximately ½ to 2 ½ feet of topsoil. Fill materials followed in the western building borings (B-2 and B-3), north stormwater boring (B-6), and south parking lot boring (B-7) to depths of roughly 6 ½ to 7 ½ feet, with the exception of the south parking lot boring (B-7) terminated around 2 ½ feet due to refusal of auger advancement on concrete/potential utility. The fill material samples consisted of clayey sand and cleaner sands occasionally containing clay inclusions and masonry/concrete debris.

Beneath the pavements sections and fill materials, the building and stormwater borings dominantly found native clean sands to their planned termination depths around 10 to 26 feet below the surface.

The boring data has been summarized in the following cross-section. Please refer to the individual Log of Boring sheets in the Appendix for more detailed information.



B.2. Penetration Test and Laboratory Test Results

The number of blows needed for the hammer to advance the penetration test sampler is an indicator of soil characteristics. The results tend to be more meaningful for natural mineral soils than for fill soils. In fill soils, compaction tests are more meaningful.

Penetration resistance values ("N"-Values) ranging from 6 to 12 BPF (Blows per Foot) were recorded in the fill materials, indicating they were somewhat variable.

In the native clean sand returned values of 7 to 15 BPF, indicating it was loose to medium dense.

A key to descriptors used to qualify the relative density of soil (such as *soft, stiff, loose*, and *dense*) can be found on the Legend to Soil Description in the Appendix.

B.3. Groundwater Data

During drilling, the drillers may note the presence of moisture on the sampler, in the cuttings, or in the borehole itself. These findings are reported on the boring logs. Because water levels vary with weather, time of year, and other factors, the presence or lack of water during exploration is subject to interpretation and is not always conclusive.

Water was not observed in any of the borings during our exploration and none of the samples appeared to be overly wet or water bearing. We would expect moisture to be capable of perching above clayey layers. Groundwater levels on site would be expected to fluctuate seasonally with local weather patterns and similar to water levels in nearby bodies of water.

C. Design Data

Because each structure has a different loading configuration and intensity, different grades, and different structural or performance tolerances, the results of a geotechnical exploration will mean different things for different facilities. If the facility changes, Chosen Valley Testing should be contacted to discuss possible implications of the changes. Without a chance to review such changes, the recommendations of the soils engineer may no longer be valid or appropriate.

The project consist of constructing a New Mayo Employees Federal Credit Union in La Crosse, WI. The building is understood to be a single story, slab-on-grade structure primarily consisting of metal framing supported by concrete foundations. Structural loads were not provided. To facilitate analysis, maximum wall loads are assumed to be on the order of 3,000 pounds per linear foot or less and maximum column loads assumed to be on the order of 50,000 pounds or less. The finished floor elevation is assumed to be near that of the existing building, or around 673 ¼ feet.

The new parking lots and drives are assumed to preferably be asphalt over dense graded aggregate base sections. Design traffic volumes were not provided. Traffic is assumed to primarily consist of standard automobiles with occasional heavy trucks.

A stormwater area is presumably being considered on the north end of the site. Grading plans were not provided, so bottom elevation of any potential infiltration pond was not known at the time of this report.

D. Analysis

The soil borings generally encountered pavement sections or topsoil over fill materials in the western building and stormwater/parking lot borings over native clean sand. The topsoil, pavements, and fill are unsuitable and/or unreliable for support of the structure and should be completely removed from below the new building slabs and footings. The fill was about 6 ½ to 7 ½ feet deep in the two western building borings (B-2 and B-3).

Clean sand or gravel should be used as structural fill for replacement below slabs and footings. Some of the existing fill samples consisted of "poorly graded" sand that would be anticipated to meet this specification, provided clay inclusions and masonry/concrete debris is separated and removed. Proposed fill material should still be evaluated by geotechnical personnel prior to its use.

Based on the boring data, assumed structural loads, assumed floor elevation, typical frost-footing depths, and proper implementation of our earthwork recommendations, we are of the opinion that foundations may be designed using an allowable bearing capacity up to 4,000 psf (pounds per square foot). Total settlement is then expected to be less than 1 inch and differential settlement between similarly loaded footings is anticipated to be less than ½ inch.

The remainder of this report provides more details of our recommendations for the building, paved areas, and stormwater area.

E. Building Grading Recommendations

E.1. Excavation

As previously mentioned, we recommend removing all topsoil, pavements, and fill materials from below the new building slabs and footings, along with any old foundations, slabs, utilities, or otherwise deleterious materials that may be discovered during construction. The following table presents the apparent depths of the unsuitable materials at the building boring locations. The values in the table have been rounded to the nearest ½-foot.

Boring I.D.	Approximate Ground Surface Elevation (Feet)	Apparent Depth of Unsuitable Material (Feet)	Apparent Elevation at Bottom of Unsuitable Material (Feet)
B-1	673	1	672
B-2	673	6 ½	666 ½
B-3	673	7 ½	665 ½
B-4	674	1	673
B-5	674	1	673

E.2. Geotechnical Review

It is recommended that geotechnical personnel from CVT be retained to observe and evaluate grading and excavating. Especially, regarding soil correction depths and oversizing. Subject to evaluations, deeper soil corrections or changes to our recommendations may be deemed warranted but are not anticipated.

E.3. Oversizing

Any stripping or corrective excavations should be oversized at least 1-foot horizontally beyond the edge of the building for each foot of fill needed below footing grade. This oversizing can be reduced by up to 50% if rather precise staking is present during grading. However, additional oversizing provides the Owner some protection against stakes getting moved, knocked down, or slight repositioning of the building after corrections.

E.4. Fill Placement and Compaction

We recommend using clean sands or gravels having less than 12% particles passing a #200 sieve as structural fill below footings and slabs. Some of the existing fill samples consisted of "poorly graded" sand that would be anticipated to meet this specification, provided clay inclusions and masonry/concrete debris is separated and removed. Proposed fill materials should still be evaluated by geotechnical personnel prior to its use.

All fill materials below the building, in the oversized areas, and used as backfill for walls should be compacted to a minimum of 95% of its maximum standard Proctor density (ASTM D698).

F. Building Design

F.1. Foundation Depth

For frost protection, foundations should be placed at least 48 inches below the exposed ground surface for heated structures. Interior foundations in heated areas may be placed directly below slabs. Footings for unheated structures should be placed at least 60 inches below the exposed ground surface.

F.2 Bearing Capacity and Settlement

Based on the boring data, assumed structural loads, assumed floor elevation, typical frost-footing depths, and proper implementation of our earthwork recommendations, we are of the opinion that foundations may be designed to exert pressures of up to 4,000 psf. This allowable bearing capacity includes a safety factor of at least 3 against shear failure. Total settlement is then expected to be less than 1 inch and differential settlement between similarly loaded footings is anticipated to be less than ½ inch.

F.3. Vapor Barrier

If the slab receives coverings that are less permeable than concrete, a vapor barrier should be placed below the slab. Some contractors prefer to place this barrier below a sand layer to limit the potential for curling.

F.4. Slab Design

The completed slab subgrade is expected to consist native clean sand or clean granular fill over native clean sand. We recommend using a modulus of subgrade reaction of no more than 200 psi/inch for slab design. It is noted that this is a plate load test value that has not been modified for mat foundation design purposes.

G. Paved Area Recommendations

G.1. Surface Stripping and Grading

We recommend stripping and removing all topsoil from areas planned to receive pavements, along with existing pavement sections if total reconstruction is planned.

After the surface removals and grading, we recommend deeply scarifying, moisture conditioning, and compacting subgrade soils to promote uniformity and create more gradual transitions between differing soils. All fill should be compacted to at least 95% of its maximum standard Proctor density.

Regardless of densities, the completed pavement subgrade should be able to pass a proof roll test using a loaded tandem-axle truck. Areas not passing the proof roll test should be reworked and stabilized as needed to pass the test roll. If weather and schedule do not cooperate, placement of a layer of breaker rock, clean sand subbase, or additional aggregate base over high strength woven geosynthetic fabric will likely be necessary to stabilize subgrades.

G.2. Pavement Design

After subgrade preparation, subgrade soils are expected to primarily consist of clean sand with some areas of clayey sand. We recommend designing pavements for the soils present at subgrade elevations using the following soil parameters.

Soil Type	AASHTO Classification	Frost Index	Wisconsin Design Group Index	K-Value (psi/inch)	Soil Support Factor	Est. California Bearing Ratio
Sand	A-3	F-2	6	200	5.0	10 – 20
Clayey Sand	A-4	F-3	12	150	4.2	5 – 15

In the absence of design traffic volumes, we recommend a flexible pavement section consisting of at least 4 inches of asphalt over 8 inches of dense graded aggregate base. This pavement section should be considered preliminary and subject to review by the civil consultant and Owner, based on more specific traffic volumes and their experience with pavement performance in the project area.

G.3. Pavement Maintenance

Routine maintenance is recommended for improved pavement performance and to increase pavement life. Some thermal shrinkage cracks may develop over time. Therefore, pavements should be sealed with a liquid bitumen sealer to mitigate water intrusion into the base course and subgrade sections. Localized patch failures may also develop, which should be cut out and repaired. Periodic seal coating would also help preserve and assure a longer pavement life.

H. Stormwater Infiltration Recommendations

As requested, stormwater infiltration was evaluated in the form of SBD 10793 for the stormwater boring (B-6). This boring encountered sandy man-made fill materials over native sand. Infiltration rate for the native sand is estimated to be on the order of 3.60 inches per hour, based on USDA soil classification and the recommended design values from the Wisconsin DNR. Please see the Soil and Site Evaluation – Storm sheets in the Appendix for more details.

Double-ring infiltrometer testing could be performed to provide more site specific infiltration values, but this was not part of our work scope and would need to be performed at the bottom of the pond during appropriate weather conditions.

I. General Earthwork Recommendations

I.1. Earthwork

Earthwork will likely need to be performed using tracked equipment. Excavations should be performed using a backhoe or excavator.

I.2. Sideslopes

The contractor will be required to slope or shore the excavations as needed to meet OSHA requirements for safety and to limit disturbance to surrounding structures. The sands on site would be expected to classify as Type C soils as defined by OSHA. Trench boxes or other stabilization methods may be necessary near existing structures, utilities, or property lines.

I.3. Cold Weather

If earthwork occurs during freezing temperatures, good winter construction practices should be used. No frozen fill should be used nor should filling take place on frozen subgrades. Footing and slab areas should be completely thawed prior to placing concrete.

I.4. Construction Testing and Documentation

Grading and excavations should be evaluated and documented by qualified geotechnical personnel to assess the soils below foundations, slabs, and pavements. Any fill placed below building and paved areas should be evaluated for conformance to the project gradation recommendations and should be tested for

compaction. If filling proceeds during periods of freezing weather, full-time testing should be considered to help confirm that imported fill is thawed prior to and during compaction, and that all snow has been removed before placement of the fill.

Although our firm offers testing services relating to civil and structural components of the structure (such as concrete testing, reinforcement observations, etc.), specification of such services is beyond our work scope and the designer should be consulted as to such requirements.

J. Level of Care

The services provided for this project have been conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in this area, under similar budget and time constraints. This is our professional responsibility. No other warranty, expressed or implied, is made.

Appendix

Boring Location Sketch

Log of Boring 1-7

Gradation Curves

Soil and Site Evaluation - Storm

Legend to Soil Description

Boring Location Sketch

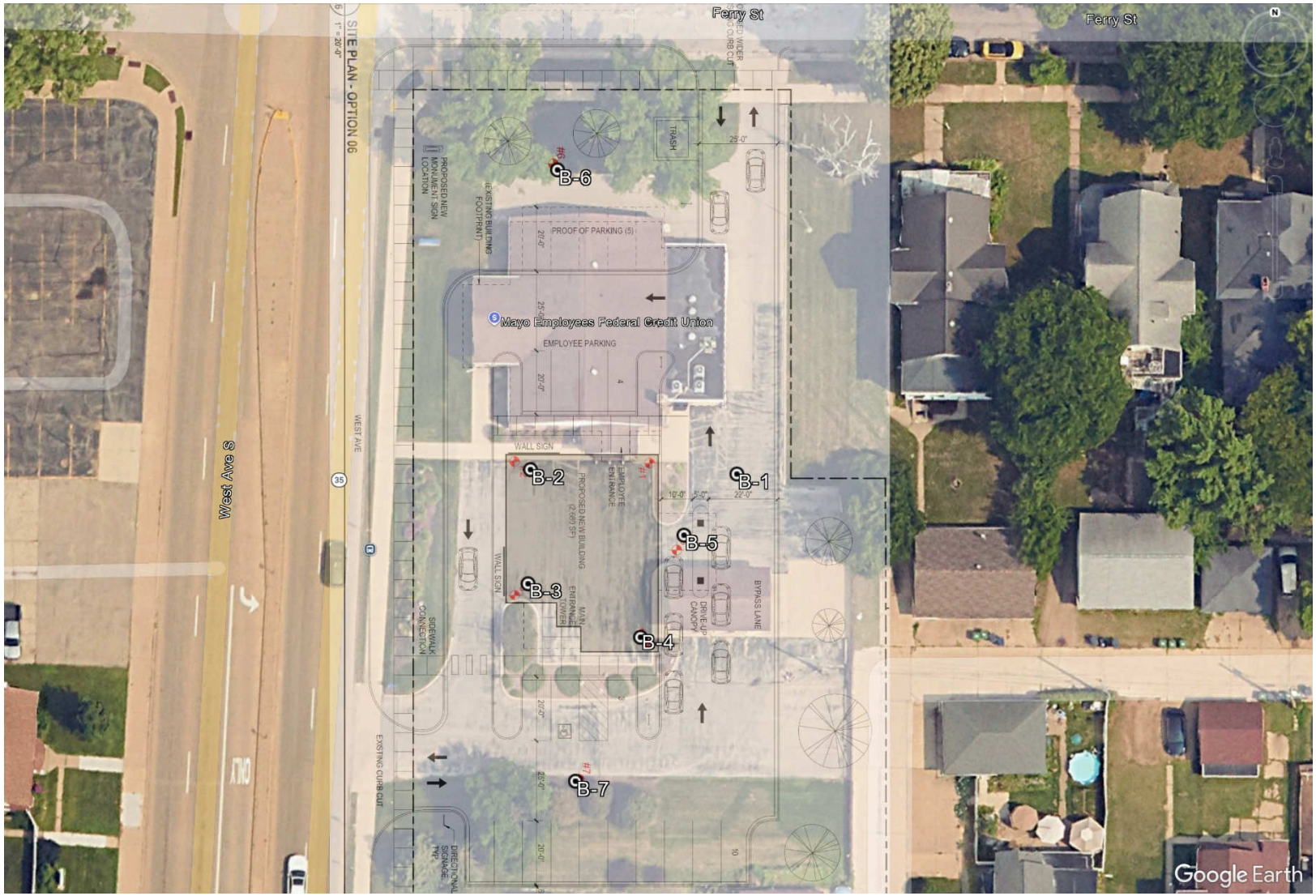
Proposed New Mayo Employees FCU
605 West Ave S
La Crosse, Wisconsin
CVT Project: 26630.25.WIL

Chosen Valley Testing, Inc.

Legend

Boring Location

N



LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-1** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.1	0.0					
672.8	0.3		**3.5" ASPHALT**			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
672.1	0.9		**7.5" AGGREGATE BASE**			
		SP	**POORLY GRADED SAND**, fine grained, light brown, moist, loose. (Glacial Outwash)	9		
			Trace gravel from 4' to 6.5'	10		
				7		
				7		
				7		
				9		
				10		
647.1	26.0			10		
			End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

LOG OF BORING

CHOSEN VALLEY TESTING **CVT**

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-2** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.1	0.0					
672.7	0.3		**4" ASPHALT**			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
672.3	0.8	SC	**5" AGGREGATE BASE**			
			FILL, clayey sand, fine grained, dark brown, moist, loose.	6		
669.1	4.0	SP SC	**FILL**, poorly graded sand with clay, trace gravel, fine grained, brown, moist, loose.	6		
666.6	6.5	SP	**POORLY GRADED SAND**, trace gravel, fine to medium grained, light brown, moist, loose. (Glacial Outwash)	8		
				9		
				10		
				9		
				10		
647.1	26.0			10		
			End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-3** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.2	0.0					
672.9	0.3		**3" ASPHALT**			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
672.4	0.8	SC	**6" AGGREGATE BASE**			
			FILL, poorly graded sand with clay, masonry, and trace concrete debris, fine to medium grained, brown, moist, loose to medium dense.	12		
				10		
665.7	7.5	SP	**POORLY GRADED SAND**, trace gravel, fine to medium grained, light brown, moist, loose to medium dense. (Glacial Outwash)	11		
				12		
				11		
				10		
				11		
647.2	26.0			9		
			End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-4** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.9	0.0					
673.6	0.3		**3" ASPHALT**			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
673.0	0.8	SP	**7" AGGREGATE BASE**			
			POORLY GRADED SAND, fine grained, light brown, moist, loose to medium dense. (Glacial Outwash)	9		
			Trace gravel from 4' to 6.5'	11		
				8		
				7		
				8		
				6		
				10		
				12		
647.9	26.0		End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-5** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.8	0.0					
673.5	0.3		**3.5" ASPHALT**			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
673.0	0.8	SP	**6" AGGREGATE BASE**			
			POORLY GRADED SAND, fine grained, light brown, moist, loose to medium dense. (Glacial Outwash)	13		
			Trace gravel from 4' to 6.5'	15		
				7		
				6		
				9		
				11		
				11		
647.8	26.0			12		
			End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-6** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.0	0.0					
672.5	0.5	SM	**Slightly Organic SILTY SAND**, trace roots, black, wet.			Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft.
671.6	1.3	OL	(Topsoil)	*		* 5 / 4 / 4 / 5
671.0	2.0	SP	**FILL**, poorly graded sand, fine grained, light brown, moist, loose.			* 4 / 4 / 4 / 4
		SC	**FILL**, clayey sand, fine grained, dark brown, moist, loose.	*		* 4 / 4 / 4 / 5
		SP	**FILL**, poorly graded sand, fine grained, dark brown, moist, loose.			
666.0	7.0			*		* 4 / 3 / 4 / 5
		SP	**POORLY GRADED SAND**, fine to medium grained, light brown, moist, loose.			
			(Glacial Outwash)	*		* 3 / 3 / 4 / 4
663.0	10.0					
			End of boring. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26

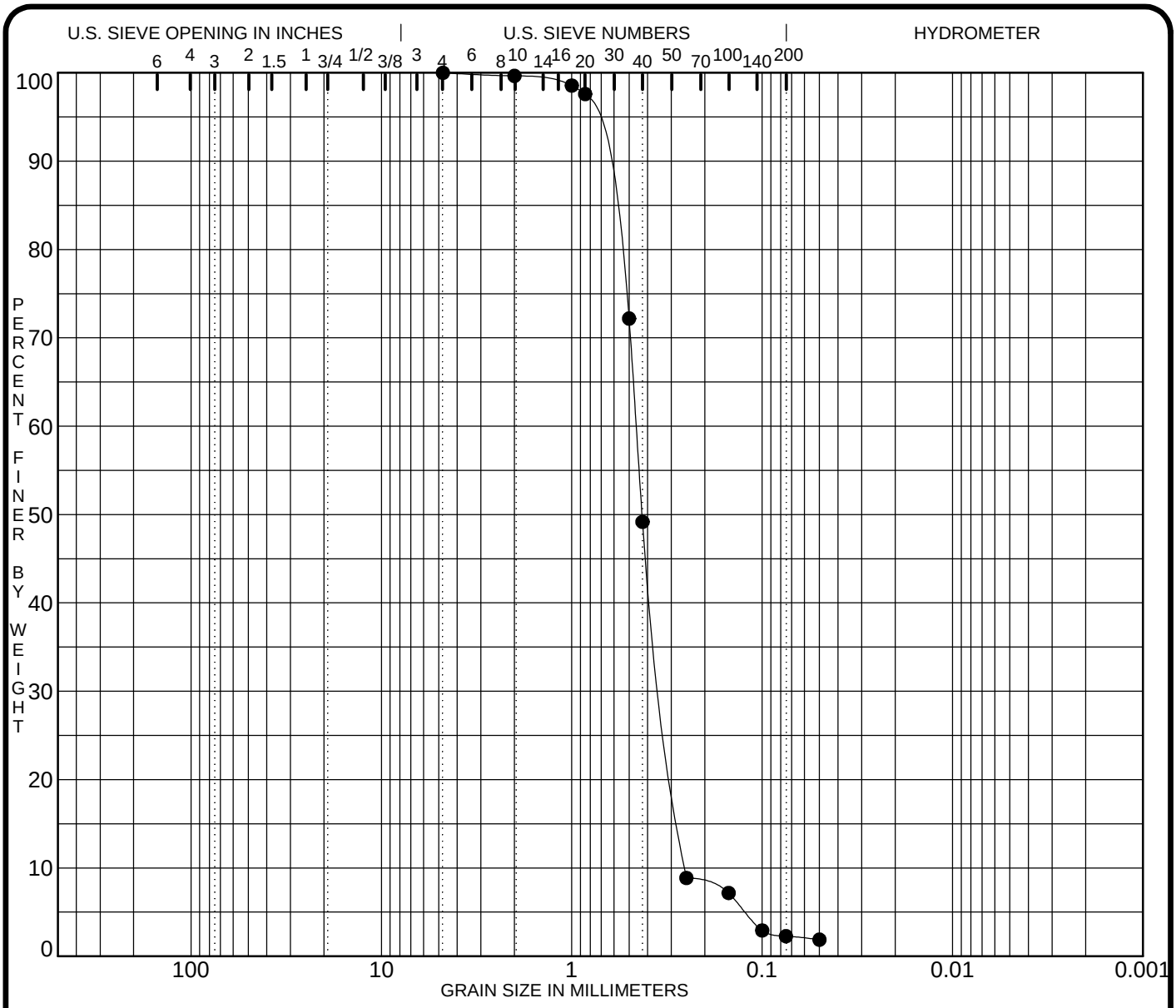
LOG OF BORING

CHOSEN VALLEY TESTING CVT

PROJECT: 26630.25.WIL Design Phase Geotechnical Evaluation New Mayo Employees Federal Credit Union 605 West Avenue S. La Crosse, Wisconsin	BORING: **B-7** LOCATION: See attached sketch. DATE: 1/15/2026 SCALE: 1" = 4'

Elev.	Depth	USCS Symbol	Description of Materials (ASTM D 2487/2488)	BPF	WL	Tests and Notes
673.9	0.0	SM OL	**Slightly Organic SILTY SAND**, trace roots, fine to medium grained, black, concrete in tip of sampler.	*		Boring elevation datum based on Finished Floor Elevation of existing building, indicated on Mead & Hunt site survey as being approximately 673.25 ft. * 1 / 50 = 0"
671.4	2.5		End of boring. Boring terminated due to auger refusal around 2.5', presumably on concrete / potential utility. Water not observed during drilling. Boring sealed upon completion.			

CVT STANDARD 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ LOG A GNNN06.GDT 3/11/26



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	MC%	LL	PL	PI	Cc	Cu
●	**B-6**	**7.5**	**POORLY GRADED SAND SP**					**0.94**	**1.8**

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	**B-6**	**7.5**	**4.75**	**0.46**	**0.330**	**0.2538**	**0.0**	**97.7**	**2.3**	

PROJECT **New Mayo Employees Federal Credit Union - 605 West Avenue S.**

JOB NO. **26630.25.WIL**

DATE **3/9/26**

GRADATION CURVES

Chosen Valley Testing

Chosen Valley Testing, Inc

1002-CPS-23
Division of Industry Services
P. O. Box 2658
Madison, Wisconsin 53701
Scott Walker, Governor
Laura Gutierrez, Secretary

Attachment 2:

SOIL AND SITE EVALUATION – STORM

In accordance with SPS 382.365, 385, Wis. Adm. Code, and WDNR Standard 1002

Attach a complete site plan on paper not less than 8 ½ x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent of slope, scale or dimensions, north arrow, and BM referenced to nearest road

Please print all information

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)]

County: La Crosse
Parcel I.D.: 17-30198-050
Reviewed by:
Date:

Property Owner: Mayo Employees Federal Credit Union

Property Location: Govt. Lot SW ¼ NE ¼ S 05 T 15 N R 07 ☒ (or) W

Property Owner' Mail Address: 605 West Ave S

Lot #: 4/16 | Block #: | Subd. Name or CSM #: Rublee & Obers Subd.

City: La Crosse, WI | State | Zip Code: 54601 | Phone Number: (507) 535-1460

☑ City ☐ Village ☐ Town | Nearest Road: La Crosse West Ave S

Drainage area _____ ☐ sq .ft ☐ acres

Test site suitable for (check all that apply): ☐ Site not suitable;

☐ Bioretention; ☐ Subsurface Dispersal System;

☐ Reuse; ☐ Irrigation; ☐ Other _____

Hydraulic Application Test Method

☑ Morphological Evaluation
☐ Double Ring Infiltrometer
☐ Other: (specify) _____

Soil Moisture
Date of soil borings: 1/15/26

USDA-NRCS WETS Value:
☐ Dry =1;
☐ Normal = 2;
☐ Wet = 3.

B-6 #OBS. ☐ Pit ☑ Boring Ground surface elevation. 673.0 ft. Elevation of limiting factor N/A ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr
1	0-6	10YR 2/1		SL	0 sg	ml	as	<10	15-25	N/A
2	6-16	10YR 6/4		S	0 sg	ml	as	<10	<15	N/A
3	16-24	10YR 2/1		LS	0 sg	ml	as	<10	15-25	N/A
4	24-84	10YR 3/3		S	0 sg	ml	as	<10	<15	N/A
5	84-120	10YR 4/3		S	0 sg	ml	as	0	<5	3.60

Comments: Man-made fill in upper 84 inches. No water observed within boring during exploration.

☐ #OBS. ☐ Pit ☐ Boring Ground surface elevation. _____ ft. Elevation of limiting factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr

Comments:

Name (Please Print): Devin M. Ehler, PE (MN, WI, IA)
Signature: Devin Ehler
Credential Number: CST 081500002 - SP / WI PE 44630

Address: 1410 7th Street NW, Rochester, MN 55901
Date Evaluation Conducted: 1-27-26
Telephone Number: 507-281-0968

SBD-10793 (R01/17)

WDNR
September 2017

☐ #OBS. ☐ Pit ☐ Boring Ground surface elevation. _____ ft. Elevation of limiting factor _____ ft. Page ___ of ____

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr

Comments:

☐ #OBS. ☐ Pit ☐ Boring Ground surface elevation. _____ ft. Elevation of limiting factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr

Comments:

☐ #OBS. ☐ Pit ☐ Boring Ground surface elevation. _____ ft. Elevation of limiting factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr

Comments:

☐ #OBS. ☐ Pit ☐ Boring Ground surface elevation. _____ ft. Elevation of limiting factor _____ ft.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	% Rock Frags.	% Fines	Hydraulic App Rate Inches/Hr

Comments:

SBD-10793 (R 7/17)

Overall Site Comments:

UNIFIED SOIL CLASSIFICATION (ASTM D-2487/2488)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			GROUP SYMBOL	SOIL GROUP NAMES & LEGEND
COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE	GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE	CLEAN GRAVELS <5% FINES	Cu>4 AND 1<Cc<3	GW	WELL-GRADED GRAVEL
			Cu>4 AND 1>Cc>3	GP	POORLY-GRADED GRAVEL
		GRAVELS WITH FINES >12% FINES	FINES CLASSIFY AS ML OR CL	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE	CLEAN SANDS <5% FINES	Cu>6 AND 1<Cc<3	SW	WELL-GRADED SAND
			Cu>6 AND 1>Cc>3	SP	POORLY-GRADED SAND
		SANDS AND FINES >12% FINES	FINES CLASSIFY AS ML OR CL	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT<50	INORGANIC	PI>7 AND PLOTS>"A" LINE	CL	LEAN CLAY
			PI>4 AND PLOTS<"A" LINE	ML	SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT>50	INORGANIC	PI PLOTS >"A" LINE	CH	FAT CLAY
			PI PLOTS <"A" LINE	MH	ELASTIC SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OH	ORGANIC CLAY OR SILT
HIGHLY ORGANIC SOILS		PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR		PT	PEAT

Relative Proportions of Sand and Gravel

TERM	PERCENT
Trace	< 15
With	15 - 29
Modifier	> 30

Relative Proportions of Fines

TERM	PERCENT
Trace	< 5
With	5 - 12
Modifier	> 12

Grain Size Terminology

TERM	SIZE
Boulder	> 12 in.
Cobble	3 in. - 12 in.
Gravel	#4 sieve to 3 in.
Sand	#200 sieve to #4 sieve
Silt or Clay	Passing #200 sieve

SAMPLE TYPES

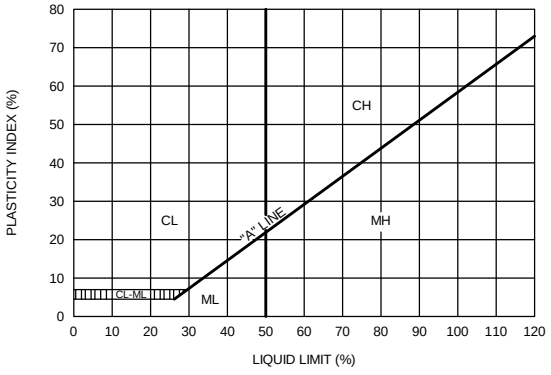
- Continuos Sampler
- Hollow Stem
- Standard Penetration Test

TEST SYMBOLS

MC	-	MOISTURE CONTENT	LL	-	LIQUID LIMIT
OC	-	ORGANIC CONTENT	PI	-	PLASTISITY INDEX
CN	-	CONSOLIDATION	SW	-	SWELL TEST
DD	-	DRY DENSITY	UU		Unconsolidated Undrained triaxial
PP	-	POCKET PENETROMETER			
RV	-	R-VALUE			
SA	-	SIEVE ANALYSIS			
P200	-	% PASSING #200 SIEVE			

- WATER LEVEL (WITH TIME OF) MEASUREMENT

PLASTICITY CHART



PENETRATION RESISTANCE
(RECORDED AS BLOWS / 0.5 FT)

SAND & GRAVEL		SILT & CLAY		
RELATIVE DENSITY	BLOWS/FOOT*	CONSISTENCY	BLOWS/FOOT*	COMPRESSIVE STRENGTH (TSF)
VERY LOOSE	0 - 4	VERY SOFT	0 - 1	0 - 0.25
LOOSE	4 - 10	SOFT	2 - 3	0.25 - 0.50
MEDIUM DENSE	10 - 30	RATHER SOFT	4 - 5	0.50 - 1.0
DENSE	30 - 50	MEDIUM	6 - 8	
VERY DENSE	OVER 50	RATHER STIFF	9 - 12	1.0 - 2.0
		STIFF	13 - 16	
		VERY STIFF	17 - 30	2.0 - 4.0
		HARD	OVER 30	OVER 4.0

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

Chosen Valley Testing

Job No. 26630.25.WIL

LEGEND TO SOIL DESCRIPTIONS

CVT

CVT 26630.25.WIL (LA CROSSE NEW MAYO EMPLOYEES CREDIT UNION).GPJ 3/9/26

ANDERSON

EXHIBIT G

Mayo Employees Federal Credit Union - La Crosse
STORM SIZING WORK SHEET
AE PROJ # 18994 DATE: 3/25/2026

"C" Values	
Imp.	Per.
0.9	0.3

Project Location	Possible Regions
Wisconsin	3,4

Designed For	
Region	Storm (yr)
3	10

DESIGN CHECKS

Pipe Run						Flow Calculation								Pipe Sizing						Pipe Properties	Cover					Pipe Capacity		Pipe Cover	
Struc.		Rim	Struc.		Rim	Per. Area	Imp. Area	Total Area	Area	Cumm. Area	Time of Conc (T_c)	Intensity	Q = clA	Q cumm Q10	Pipe size	Pipe Material	slope	k	Pipe		Length of	Invert Upstream	Invert Downstream	Minimum Cover	Depth Upstream	Depth Downstream	Pipe inc Flow as Perc. of Capacity (%)	Flow Capacity Condition?	Pipe Cover (ft)	Cover Condition?
						(sf)	(sf)	(sf)	(acres)	"c" value	(min.)	I (in/24 hr)	(cfs)	(cfs)	(in.)	(material)	Slope (%)	Manning's	Capacity (cfs)	Velocity (fps)	Pipe Run (ft)	Upstream	(ft)	(ft)	(ft)	(ft)				
CBMH	2	671.00	FES	1	667.50	140	1,111	1,251	0.03	0.83	7.00	5.67	0.14	1.22	12	RCP	0.50	35.6	2.52	2.74	27	667.63	667.50	2.20	3.37	0.00	48.5%	GOOD	2.20	GOOD
CBMH	3	671.00	CBMH	2	672.05	620	1,333	1,953	0.04	0.71	7.00	5.67	0.18	1.09	12	RCP	0.50	35.6	2.52	2.62	25	667.75	667.63	2.08	3.25	4.42	43.1%	GOOD	2.08	GOOD
CBMH	4	672.05	CBMH	3	671.71	831	2,205	3,036	0.07	0.74	7.00	5.67	0.29	0.91	12	RCP	0.50	35.6	2.52	2.46	63	668.06	667.75	2.80	3.99	3.97	36.0%	GOOD	2.80	GOOD
CBMH	5	672.33	CBMH	4	672.05	661	1,034	1,695	0.04	0.67	7.00	5.67	0.15	0.62	12	RCP	0.50	35.6	2.52	2.22	99	668.55	668.06	2.61	3.78	4.00	24.5%	GOOD	2.61	GOOD
CB	6	671.70	CBMH	5	672.33	1,836	3,397	5,233	0.12	0.69	7.00	5.67	0.47	0.47	12	RCP	0.50	35.6	2.52	2.10	53	668.81	668.55	1.72	2.89	3.79	18.6%	GOOD	1.72	CAUTION
CBMH	8	671.71	FES	7	667.50	598	3,257	3,855	0.09	0.81	7.00	5.67	0.40	1.47	12	RCP	0.50	35.6	2.52	2.90	21	667.60	667.50	2.94	4.11	0.00	58.3%	GOOD	-1.16	
CBMH	9	672.00	CBMH	8	671.71	944	3,750	4,694	0.11	0.78	7.00	5.67	0.48	1.06	12	RCP	0.50	35.6	2.52	2.60	87	668.13	667.70	2.70	3.87	4.01	42.2%	GOOD	2.70	GOOD
CBMH	10	671.85	CBMH	9	672.00	316	1,372	1,688	0.04	0.79	7.00	5.67	0.17	0.59	12	RCP	0.50	35.6	2.52	2.20	57	668.41	668.13	2.27	3.44	3.88	23.4%	GOOD	2.27	GOOD
CB	11	672.00	CBMH	10	671.85	1,250	0	1,250	0.03	0.30	7.00	5.67	0.05	0.05	12	RCP	0.50	35.6	2.52	0.91	38	668.70	668.51	2.13	3.30	3.34	1.9%	GOOD	2.13	GOOD
CB	12	672.00	CBMH	10	671.85	240	3,051	3,291	0.08	0.86	7.00	5.67	0.37	0.37	12	RCP	0.50	35.6	2.52	1.97	42	668.72	668.51	2.11	3.28	3.34	14.6%	GOOD	2.11	GOOD

GENERAL STRUCTURAL NOTES

DESIGN CODES:

WISCONSIN COMMERCIAL BUILDING CODE CONTAINED IN CHS.
SPS 361-366 OF THE STATE'S ADMINISTRATIVE CODE EDITION #811 (2021 IBC AS AMENDED)
ASCE 7-16 - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

DESIGN LOADS:

20 PSF ---------- ROOF DEAD LOAD UNO
40 PSF ---------- GROUND SNOW LOAD (Pg)
(2021 IBC AS AMENDED)
Ce ----- 1.0
Ct ----- 1.0 TYPICAL
Ct ----- 1.2 AT CANOPIES
I -------- 1.0
Cs ------ 1.0
28 PSF ---------- ROOF SNOW LOAD (PLUS SNOW DRIFTING) TYPICAL
34 PSF ---------- ROOF SNOW LOAD (PLUS SNOW DRIFTING) AT CANOPIES

108 MPH ---------- ULTIMATE DESIGN WIND SPEED
84 MPH---------- NOMINAL DESIGN WIND SPEED
II ---------- RISK CATEGORY
B ---------- EXPOSURE CATEGORY
± 0.18 ---------- INTERNAL PRESSURE COEFFICIENT
7 FT ---------- END ZONE WIDTH (a)

COMPONENT AND CLADDING ULTIMATE WIND PRESSURES (PSF)					
EFFECTIVE AREA / ZONE	20 FT²	50 FT²	100 FT²	PARAPET	
				WINDWARD	LEEWARD
INTERIOR ZONE	17.6	16.6	16.0	50.7	29.9
END ZONE	21.0	19.1	17.6	64.9	34.2

1.0 ---------- SEISMIC IMPORTANCE FACTOR (I)
II ---------- RISK CATEGORY
D ---------- ASSUMED SITE CLASS
A ---------- SEISMIC DESIGN CATEGORY
0.051g ---------- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (SS)
0.039g ---------- MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER (S1)
0.055g ---------- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (SDS)
0.063g ---------- DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETER (SD1)

4000 PSF---------- ALLOWABLE SOIL BEARING PRESSURE

NOTES:

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN AND PROVIDE ADEQUATE TEMPORARY SHORING AND LATERAL BRACING FOR ALL STRUCTURAL ELEMENTS INCLUDING WALLS, COLUMNS, BEAMS, LINTELS, ETC. FOR WIND, SOIL AND CONSTRUCTION LATERAL AND GRAVITY LOADS. THE BRACING MUST REMAIN IN PLACE UNTIL PERMANENT STRUCTURAL SUPPORTS, INCLUDING ROOF AND FLOOR DIAPHRAGMS ARE INSTALLED AND HAVE REACHED THEIR ALLOWABLE SERVICE STRESSES.
2. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT CONSTRUCTION CONFORMS TO THE LATEST OSHA SAFETY REQUIREMENTS. NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY IF ANY REVISIONS ARE REQUIRED TO THE DRAWINGS DUE TO OSHA SAFETY REQUIREMENTS.
3. GEOTECHNICAL ENGINEER SHALL FIELD VERIFY SOIL BEARING CAPACITY. NOTIFY ARCHITECT AND ENGINEER IF ANY DISCREPANCIES ARE FOUND.
4. THIS PROJECT IS NOT DESIGNED FOR FUTURE CONSTRUCTION.
5. THE ROOF STRUCTURE HAS BEEN REVIEWED FOR PONDING INSTABILITY BASED ON A 15 MINUTE DURATION/100-YEAR RAINFALL INTENSITY OF 7.0 IN/HR AND A MAXIMUM STATIC HEAD OF 3" AND HYDRAULIC HEAD OF 5" AT THE SECONDARY DRAINAGE INLET. THE PLUMBING CONTRACTOR'S ENGINEER MUST CONFIRM THAT THE PROPOSED SECONDARY DRAINAGE SIZES ARE ADEQUATE TO MAINTAIN SECONDARY DRAINAGE FLOW AS NOTED ABOVE.

SUBMITTALS:

ALL SUBMITTED STRUCTURAL SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE WITH THE INFORMATION GIVEN AND DESIGN CONCEPTS EXPRESSED IN THE CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS IS NOT CONDUCTED FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF DETAILS SUCH AS DIMENSIONS AND QUANTITIES AS REQUIRED BY THE CONTRACT DOCUMENTS.

DEFERRED SUBMITTALS:

THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS DEFERRED SUBMITTALS PER IBC SECTION 107.3.4.1:

A. METAL LADDERS AND RAILINGS AND THEIR CONNECTION TO THE BUILDING STRUCTURE
B. METAL CANOPIES AND SUNSHADES AND THEIR CONNECTION TO THE BUILDING STRUCTURE
C. COLD FORMED STEEL FRAMING

FOR ALL DEFERRED STRUCTURAL SUBMITTALS, INCLUDE CALCULATIONS PREPARED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL SHOP DRAWING REQUIREMENTS.

SOILS AND FOUNDATIONS:

1. FOUNDATIONS, SLABS ON GRADE AND OTHER ITEMS RELATED TO THE SOILS ARE DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF CHOSEN VALLEY TESTING, INC. GEOTECHNICAL EVALUATION REPORT 26630.25.WIL DATED MARCH 11, 2026
2. MINIMUM DEPTH FROM EXTERIOR GRADE TO BOTTOM OF BUILDING PERIMETER FOOTINGS SHALL BE 48".
3. MINIMUM DEPTH FROM EXTERIOR GRADE TO BOTTOM OF FOOTINGS AT UNHEATED STRUCTURES SHALL BE 60".
4. ALL FOOTINGS ARE CENTERED UNDER WALLS, PILASTERS AND COLUMNS ABOVE UNO.
5. ALL FOUNDATION WALLS SHALL BE LATERALLY BRACED BEFORE BACKFILLING AND COMPACTING.
6. DO NOT BACKFILL AROUND STEEL COLUMNS UNTIL CORROSION RESISTANT ASPHALTIC COATING HAS BEEN INSTALLED BY THE STRUCTURAL STEEL ERECTOR.
7. COORDINATE ALL UNDERGROUND PIPING OR DUCTWORK LOCATIONS AND ELEVATIONS WITH THE MECHANICAL CONTRACTOR. ADJUST FOOTING ELEVATIONS AND PROVIDE SLEEVES PER WALL FOOTING AT UNDERGROUND LINES DETAIL FOR PIPING OR DUCTWORK PARALLEL TO FOOTING, BOTTOM OF FOOTING ELEVATION SHOULD BE NO HIGHER THAN THE PIPE OR DUCTWORK INVERT ELEVATION PLUS THE HORIZONTAL DISTANCE BETWEEN EDGE OF FOOTING AND EDGE OF PIPING OR DUCTWORK. CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL OF ANY DEVIATIONS PRIOR TO COMMENCING WORK.

CAST-IN-PLACE CONCRETE:

1. DESIGN CODES: IBC CHAPTER 19 & ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE & ACI DETAILING MANUALS LATEST EDITION.
2. MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE:

TYPE	STRENGTH	LOCATION
A	f'c=3000 PSI	MASONRY CORE FILL AND BOND BEAMS WITH 3/8" MAX AGGREGATE SIZE
B	f'c=4000 PSI	INTERIOR SLABS ON GRADE WITH 3/4" MAX AGGREGATE SIZE
C	f'c=3000 PSI	FOOTINGS
D	f'c=4000 PSI	EXTERIOR PIERS & FOUNDATION WALLS - AIR ENTRAINED 6% +/- 1.5%. - MAX WATER/CEMENT RATIO = 0.50
E	f'c=4000 PSI	INTERIOR PIERS & FOUNDATION WALLS
F	f'c=4500 PSI	EXPOSED EXTERIOR CONCRETE - AIR ENTRAINED 6% +/- 1.5%. - MAX WATER/CEMENT RATIO = 0.45

3. REINFORCING STEEL PROPERTIES:
   A. DEFORMED BARS - ASTM A615 GRADE 60 UNO. USE ASTM A706 GRADE 60 FOR WELDABLE REBAR
   B. WELDED WIRE FABRIC - ASTM A1064
4. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI MANUALS.
   A. FOR PIERS WITH A CROSS SECTION LARGER THAN 18"x18" AND WITH MORE THAN 4 LONGITUDINAL BARS, ADDITIONAL CROSS TIES (TYPE T9 PER ACI 315) OF SAME SIZE AND SPACING AS MAIN TIES, SHALL BE PROVIDED TO ENSURE THAT ALL NON CORNER BARS ARE LATERALLY SUPPORTED BY THE CORNER OF A TIE
5. SHOP DRAWINGS FOR REINFORCING STEEL AND CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR APPROVAL.
6. PLACE ALL ITEMS PER APPROVED SHOP DRAWINGS AND APPROVED MIX DESIGNS.
7. PROVIDE ALL ACCESSORIES, CHAIRS, SPACER BARS AND SUPPORTS NECESSARY TO SECURE REINFORCING PER "ACI DETAILING MANUAL" NO OTHER METHODS OR MATERIALS WILL BE ACCEPTABLE.
8. PROVIDE PLASTIC CHAIRS AND SUPPORTS IN ALL AREAS OF EXPOSED CONCRETE.
9. PROVIDE MINIMUM CONCRETE COVER FOR ALL REINFORCING AS FOLLOWS UNO:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---------- 3"
   B. CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #18 BARS ---------- 2" / #5 BARS AND SMALLER---------- 1 1/2"
10. PROVIDE CONTINUOUS WALL FOOTING THICKNESS AND BOTTOM REINFORCING AS FOLLOWS (PLACE LONGITUDINAL REINFORCING ABOVE TRANSVERSE REINFORCING):

FOOTING WIDTH	THICKNESS	LONG REINF	TRANSV REINF
1'-8" OR LESS	10"	(2) #5	----------
1'-9" TO 2'-8"	12"	(2) #5	----------
2'-9" TO 3'-4"	14"	(3) #5	----------

11. PROVIDE FOOTING DOWELS FOR CONCRETE OR MASONRY WALLS AND COLUMNS. DOWELS SHALL BE SAME SIZE AND SPACING AS WALL AND COLUMN VERTICAL REINFORCING AND SHALL PROJECT FROM FOOTINGS TO PROVIDE LAP SPLICES AS INDICATED BELOW OR IN THE MASONRY NOTES. PROVIDE 90 DEGREE STANDARD HOOK IN COLUMN AND FREE STANDING WALL FOOTING DOWELS UNO.
12. PROVIDE LAP SPLICES FOR CONCRETE REINFORCING AS FOLLOWS:
   A. TYPICAL LAP SPLICES SHALL BE UNO:
      #6 BARS AND SMALLER ---------- 44 BAR DIAMETERS
      #7 THROUGH #11 BARS ---------- 56 BAR DIAMETERS
   B. THE MINIMUM LAP SPLICE LENGTH FOR ALL SPLICES FOR CONCRETE REINFORCING SHALL BE 24"
13. PROVIDE MINIMUM CONCRETE WALL REINFORCING AS FOLLOWS UNO:

WALL THICKNESS	VERT REINF	HORIZ REINF
6"	#4 @ 16" O.C. CTRD	#4 @ 16" O.C. CTRD
11"	#4 @ 16" O.C. EF	#4 @ 16" O.C. EF
14" AND 15"	#4 @ 16" O.C. EF	#4 @ 12" O.C. EF
20"	#4 @ 12" O.C. EF	#5 @ 15" O.C. EF

14. PROVIDE EXTRA REINFORCING ON ALL SIDES OF ALL CONCRETE WALL AND SLAB OPENINGS EQUAL TO ONE HALF THE INTERRUPTED REINFORCING IN EACH DIRECTION, UNO ON THE DRAWINGS. A MINIMUM OF (1) #5 SHALL BE PROVIDED FOR EACH LAYER OF REINFORCEMENT. EXTEND BARS PAST EDGE OF OPENING THE LAP SPLICE NOTED ABOVE. PROVIDE AN ADDITIONAL #4X4'-0" DIAGONAL BAR AT EACH CORNER FOR EACH LAYER OF REINFORCING.
15. HOT WEATHER AND COLD WEATHER CONCRETE PROVISIONS OF ACI 305R-10 AND ACI 306R-16 SHALL BE FOLLOWED.
16. PROVIDE CONCRETE WALL VERTICAL CONTROL JOINTS FOR WALLS AS FOLLOWS UNO:

WALL THICKNESS	MAXIMUM CONTROL JOINT SPACING
6" TO 11"	24'-0" O.C.
14" TO 20"	34'-0" O.C.

MASONRY:

1. DESIGN CODES: IBC CHAPTER 21, TMS 402-16 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND TMS 602-16, SPECIFICATION FOR MASONRY STRUCTURES.
2. HOLLOW CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT UNITS PER ASTM C90 REQUIREMENTS. F'm=2000 PSI.
3. ALL MORTAR FOR WALLS ABOVE GRADE SHALL BE TYPE 'S'.
4. MORTAR PER ASTM C270. MINIMUM 28 DAY COMPRESSIVE STRENGTH: TYPE 'S'=1800 PSI
5. COARSE GROUT PER ASTM C476. NO GROUT IS TO BE HAND MIXED ON SITE.
6. MASONRY CEMENT SHALL NOT BE USED IN MORTAR OR GROUT.
7. REINFORCING STEEL:
   A. DEFORMED BARS: ASTM A615 GRADE 60
   B. JOINT REINFORCEMENT: ASTM A1064
8. SUBMIT MORTAR AND GROUT DESIGN MIXES FOR APPROVAL.
9. SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL.
10. WIRE JOINT REINFORCING FOR CONCRETE BLOCK WALLS SHALL BE STANDARD CORROSION RESISTANT 9 GAGE LADDER TYPE (PROVIDE TRI-ROD LADDER FOR MULTI WYTHE WALLS). INSTALL JOINT REINFORCING PER MANUFACTURER'S RECOMMENDATIONS AT A MAXIMUM SPACING 16" O.C. UNO ON DRAWINGS OR PROJECT SPECIFICATIONS.
11. INSTALL MASONRY VERTICAL AND HORIZONTAL REINFORCING PER IBC REQUIREMENTS AND AS FOLLOWS:
   A. SEE PLANS, DETAILS AND SCHEDULES FOR REQUIRED REINFORCING
   B. PROVIDE FULL MORTAR BEDDED FACE SHELLS AND WEBS AROUND ALL GROUTED CELLS FOR BEARING AND TO PREVENT LEAKAGE INTO ADJACENT CELLS
   C. PLACE VERTICAL REINFORCING PRIOR TO PLACING GROUT.
   D. PROVIDE REINFORCEMENT POSITIONERS TO HOLD VERTICAL REINFORCEMENT IN PROPER POSITION AT TOP AND BOTTOM OF ALL LIFTS. LENGTH OF REINFORCING BARS TO BE COORDINATED WITH CONCRETE AND MASONRY CONTRACTORS
   E. GROUT ALL CORES CONTAINING REINFORCING SOLID
   F. MASONRY WALL CELLS TO BE GROUTED WITH CONCRETE SHALL BE FILLED IN MAXIMUM 4'-0" LIFTS. REMOVAL ALL OVERHANGING OBSTRUCTION AND DEBRIS FROM THE CELLS PRIOR TO GROUTING
   G. CONSOLIDATE ALL GROUT BY RODDING OR VIBRATING
   H. PROVIDE REINFORCEMENT LAP SPLICES PER TABLES BELOW:

BARS CENTERED IN WALL			
BAR SIZE	6" CMU	8" CMU	10" CMU & WIDER
#4	24"	24"	24"
#5	-----	30"	30"
#6	-----	38"	36"
#7	-----	-----	42"

BARS PLACED AT INSIDE OR OUTSIDE FACE OF WALL			
BAR SIZE	6" CMU	8" CMU	10" CMU & WIDER
#4	-----	24"	24"
#5	-----	30"	30"
#6	-----	57"	57"
#7	-----	-----	80"

   J. PROVIDE CORNER BAR WITH 2'-0" x 2'-0" LEGS FOR EACH HORIZONTAL BOND BEAM BAR AT CORNERS AND INTERSECTING WALLS
12. MASONRY VERTICAL CONTROL JOINTS:
   A. COORDINATE JOINTS AND CONSTRUCTION DETAILS WITH ARCHITECT. MAXIMUM JOINT SPACING IS 24'-0"
   B. LOCATE JOINTS 2'-0" FROM ALL CORNERS AND EDGE OF ALL OPENING EXCEPT AS NOTED PER SECTIONS AND DETAILS
   C. FOR LOAD BEARING MASONRY, CONTINUE BOND BEAM REINFORCING AND GROUT THROUGH CONTROL JOINTS
   D. FORM CONTROL JOINTS IN BLOCK WITH JAMB BLOCK WITH NEOPRENE INSERTS, OR ROD AND CAULK. CONTRACTOR OPTION: USE STANDARD BLOCK, LINE ONE SIDE WITH BUILDING PAPER AND GROUT SOLID TO FORM KEYWAY

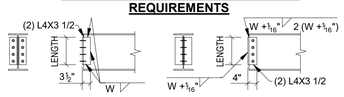
STEEL - STRUCTURAL:

1. DESIGN CODES: IBC CHAPTER 22, AISC 360-16, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND AISC 303-16, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. STEEL PROPERTIES:
   A. ASTM A992 (Fy=50 KSI) FOR WIDE FLANGE SHAPES
   B. ASTM A500 GRADE C (Fy=50 KSI) FOR TUBULAR MEMBERS
   C. ASTM A36 STEEL (Fy=36 KSI) FOR ALL OTHER MEMBERS UNO
   D. ASTM F3125 GRADE A325 OR GRADE F1852 UNO FOR CONNECTION BOLTS
   E. ASTM F1554 GRADE 36 FOR ANCHOR BOLTS UNO
   F. WELDS = AMERICAN WELDING SOCIETY (AWS) E70XX ELECTRODES
3. PROVIDE 5000 PSI NON-SHRINK GROUT UNDER ALL STEEL BASE AND BEARING PLATES PER THE SECTIONS AND DETAILS. GROUT PLATES PRIOR TO LOADING ROOF MEMBERS WITH PRECAST PLANK OR DECKING MATERIALS.
4. PROVIDE CORROSION RESISTANT ASPHALTIC COATING OR EQUAL AROUND ALL STRUCTURAL STEEL BELOW GRADE.
5. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) - D1.1 LATEST EDITION.
6. STRUCTURAL STEEL FABRICATOR SHALL FURNISH ALL PLATES AND ANGLES CAST IN CONCRETE AND MASONRY FOR CONNECTING STEEL JOISTS, BEAMS, COLUMNS, DECK, ETC UNO. SEE APPLICABLE NOTES ON THIS SHEET AND COORDINATE WITH MASONRY AND CONCRETE CONTRACTORS.
7. ALL COLUMN BASE AND CAP PLATES TO BE WELDED AROUND ALL SIDES.
8. PRIME PAINT PER AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS SECTION 6.5, UNO ON ANY CONSTRUCTION DOCUMENTS.
9. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED. TOUCH-UP WELDS AND REPAIR HOT-DIP GALVANIZED COATING PER ASTM A780.
10. STRUCTURAL STEEL FABRICATOR SHALL PROVIDE HOLES FOR JOIST ERECTION BOLTS AS REQUIRED BY OSHA. HOLES SHALL BE 9/16"Ø FOR K-SERIES JOISTS.
11. STRUCTURAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.
12. MISCELLANEOUS STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL, INCLUDING STRUCTURAL CALCULATIONS FOR STAIRS, LADDERS, RAILINGS AND THEIR CONNECTIONS CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

STEEL - STRUCTURAL (CONT):

1. PROVIDE DOUBLE ANGLE SIMPLE SHEAR CONNECTIONS AS SHOWN BELOW. ALTERNATE CONNECTIONS WILL BE ALLOWED PROVIDED THAT CONNECTION DESIGN CALCULATIONS, CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED, ARE SUBMITTED BY THE FABRICATOR FOR REVIEW.

BOLTED/WELDED BEAM CONNECTION REQUIREMENTS



BEAM SIZE	# OF ROWS OF 3/4"Ø BOLTS	CONN ANGLES		WELD SIZE
		THICKNESS	LENGTH	
W36	10	3/8"	2'-5 1/2"	1/4"
W33	9	3/8"	2'-2 1/2"	1/4"
W30	8	3/8"	1'-11 1/2"	1/4"
W27	7	3/8"	1'-8 1/2"	1/4"
W24	6	3/8"	1'-5 1/2"	1/4"
W21	5	3/8"	1'-2 1/2"	1/4"
W18	4	3/8"	0'-11 1/2"	1/4"
W16	4	5/16"	0'-11 1/2"	1/4"
W14	3	5/16"	0'-8 1/2"	1/4"
W12	3	5/16"	0'-8 1/2"	1/4"
W10	2	5/16"	0'-5 1/2"	1/4"
W8	2	5/16"	0'-5 1/2"	1/4"

NOTES:
1. USE E70XX ELECTRODES.
2. BOLTS SHALL BE TIGHTENED IN PROPERLY ALIGNED HOLES TO A SNUG-TIGHT CONDITION AS DEFINED BY THE LATEST EDITION OF AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" UNO.
3. USE BENT PLATES AS REQUIRED AT SKEWED BEAMS.
4. CONTRACTOR OPTION TO USE ALL-BOLTED OR ALL-WELDED CONNECTIONS.

STEEL - JOISTS:

1. DESIGN CODE: STEEL JOIST INSTITUTE (SJI) "STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS" LATEST EDITION.
2. ALL JOISTS SHALL BE CAMBERED PER SJI SPECIFICATIONS UNO.
3. PROVIDE END BEARING DEPTH AND BEARING LENGTH PER SJI SPECIFICATIONS, UNO.
4. WHERE JOISTS BEARS ON A BEAM ON ONE SIDE ONLY, BEARING LENGTH TO EQUAL TO THE BEAM FLANGE WIDTH. WHERE JOISTS BEAR ON A BEAM ON BOTH SIDES, BUTT JOISTS OR PROVIDE A 1/2" MAX GAP, BUT MAINTAINING THE REQUIRED MINIMUM JOIST BEARING LENGTH, PROVIDE EXTENDED ENDS WHERE REQUIRED OR SHOWN ON DRAWINGS.
5. STEEL JOISTS LOCATED AT COLUMNS AND ALL JOISTS 40'-0" OR GREATER IN LENGTH SHALL BE BOLTED TO BEAMS TO MEET OSHA REQUIREMENTS. ERECT BOLTED JOISTS FIRST AND WELD WHEN OTHER JOISTS ARE INSTALLED. IF JOIST IS NOT LOCATED AT COLUMN CENTER LINE, PROVIDE OSHA BOLTED CONNECTION AT FIRST JOIST EACH SIDE OF COLUMN.
6. FIELD WELD ALL STEEL JOISTS TO BEAMS, COLUMNS, ANGLES OR PLATES CAST IN MASONRY OR CONCRETE PER SJI SPECIFICATIONS UNO.
7. ALL STEEL JOIST BRIDGING AND ITS ANCHORAGE SHALL BE DESIGNED AND PROVIDED BY JOISTS MANUFACTURER PER SJI SPECIFICATIONS UNO. COORDINATE LOCATIONS WITH MECH CONTRACTOR TO MISS SPRINKLER HEADS AND DUCTWORK.
8. THE JOIST MANUFACTURER SHALL BE RESPONSIBLE FOR AND SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL. CALCULATIONS FOR ALL SPECIAL JOISTS SHALL BE CERTIFIED AND SUBMITTED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
9. THE DESIGN OF ALL JOIST MEMBERS AND ELEMENTS SHOWN ON THE DRAWINGS ARE FOR THE IN-PLACE COMPLETED BUILDING. ALL LOADING CRITERIA AND VERIFICATION OF DESIGN FOR LOADING, SUCH AS HANDLING, TRANSPORTATION AND ERECTION ARE THE SOLE RESPONSIBILITY OF THE JOIST MANUFACTURER.
10. SPECIAL JOISTS SHALL BE DESIGNED FOR THE SERVICE LOADS INDICATED ON THE DRAWINGS.
11. JOISTS AND STRUCTURAL STEEL FABRICATORS SHALL SHOW ALL FIELD WELDING REQUIREMENTS ON SHOP DRAWINGS.
12. STEEL JOISTS SHALL BE SHOP PRIMED WITH STANDARD PRIMER UNO. VERIFY COLOR WITH ARCHITECTURAL DRAWINGS.
13. STEEL ROOF JOISTS ARE DESIGNED FOR THE FOLLOWING SPRINKLER PIPE LOADS:
   A. A SINGLE 4" DIAMETER MAIN RUNNING PARALLEL TO JOIST OR A SINGLE 6" MAIN TRAPEZED BETWEEN TWO JOISTS, OR
   B. A SINGLE 4" MAIN RUNNING PERPENDICULAR TO JOIST AND HUNG AT A MINIMUM OF EVERY OTHER JOIST OR A SINGLE 6" MAIN RUNNING PERPENDICULAR TO JOIST AND HUNG AT EVERY JOIST
   C. FIRE PROTECTION CONTRACTOR SHALL ARRANGE SPRINKLER PIPES TO SATISFY JOIST DESIGN OR PROVIDE SPRINKLER PIPE LAYOUT AND LOADS AS WATER FILLED PIPE TO JOIST SUPPLIER TO DESIGN SPRINKLER PIPES AS ADDED JOIST LOADS

STEEL - DECK:

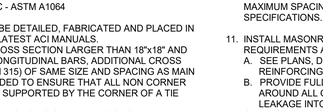
1. DESIGN CODE: STEEL DECK INSTITUTE (SDI): "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" LATEST EDITION.
2. STEEL ROOF DECK SHALL CONFORM TO EITHER ASTM A653 OR A1063 FOR DECK THAT IS GALVANIZED AND SHALL CONFORM TO EITHER ASTM A1008 OR A1039 FOR DECK THAT IS NOT GALVANIZED. DECK SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. DECK SIZE, TYPE AND GAUGE TO BE AS INDICATED ON PLANS.
3. FASTEN STEEL DECK TO ALL INTERIOR STEEL SUPPORTS AS SHOWN ON PLANS. PROVIDE FASTENERS AT 6" O.C. TO PLATE, ANGLE OR BEAM AT BUILDING PERIMETER UNO. SIDELAP FASTENING SHALL BE AS INDICATED ON PLANS.
4. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) - D1.3 LATEST EDITION. ALL HILTI PAF'S SHALL BE FASTENED BY TRAINED AND CERTIFIED INSTALLERS ON THE GENERAL USE OF POWDER-ACTUATED TECHNOLOGY FOR ATTACHMENT OF THE STEEL DECK.
5. SPAN DECK SECTION MINIMUM (3) SPANS CONTINUOUS, UNO.
6. THE STEEL DECK FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL.

STEEL - DECK (CONT):

7. STEEL ROOF DECK TO BE SHOP PRIMED WITH STANDARD PRIMER UNO. VERIFY COLOR WITH ARCHITECTURAL DRAWINGS.
8. STEEL ROOF DECK SHALL HAVE GALVANIZED FINISH EQUAL TO G30 MINIMUM.

COLD FORMED STEEL FRAMING:

1. THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS IS ONLY CONCEPTUAL AND IS INTENDED TO EXPRESS MINIMUM COLD-FORMED STEEL SYSTEM MATERIAL, DESIGN AND CONSTRUCTION PERFORMANCE CRITERIA. THE COLD-FORMED STEEL SYSTEM SUPPLIER SHALL PROVIDE AND SUBMIT FOR APPROVAL THE FINAL STRUCTURAL ENGINEERING DESIGN WHICH INCLUDES DETAILED SHOP DRAWINGS AND CALCULATIONS OF THE MEMBER SIZES, THICKNESS, SPACING AND ALL CONNECTIONS. ALL SUBMITTALS MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.
2. DESIGN CODES:
   A. IBC CHAPTER 22, SECTION 2210 AND 2211-COLD FORMED STEEL AND LIGHT-FRAMING CONSTRUCTION. SEE PLANS FOR SIZE AND THICKNESS OF STUDS
   B. 2016 AISI NORTH AMERICAN SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
3. SEE ARCH FOR REQUIRED SIZE AND MINIMUM THICKNESS OF STUDS. YIELD STRESS SHALL BE 33KSI FOR 33 MIL AND 43 MIL MEMBERS AND 50KSI FOR ALL OTHER MEMBERS.



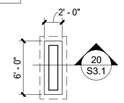
MILS TO GAUGE CONVERSION CHART	
MILS	GAUGE
33	20 GA
43	18 GA
54	16 GA
68	14 GA
97	12 GA

4. ALL STEEL STUD FASTENERS SHALL BE WELDED CONNECTIONS, OR SHALL BE #10-16 "TEK" SCREWS MANUFACTURED BY "ITW BUILDEX" OR APPROVED EQUAL UNO. ALL WELDS SHALL BE MADE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS)-D13 LATEST EDITION. THE CENTER-TO-CENTER SPACING AND EDGE DISTANCE FOR ALL SCREW FASTENERS SHALL BE AT LEAST 3X (NOMINAL DIAMETER) UNO.
5. ALL POWDER ACTUATED FASTENERS (PAFS) SHALL BE HILTI "X-U" OR APPROVED EQUAL UNO.
6. SPLICES IN WALL STUDS, JOISTS OR HEADERS SHALL NOT BE PERMITTED UNLESS SPLICE CONNECTIONS ARE DESIGNED AND DETAILED BY SUPPLIER.
7. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS, DO NOT TORCH CUT. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
8. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO THE FLANGE OR WEB OF BOTH UPPER AND LOWER TRACKS. STUDS SHALL HAVE FULL BEARING AGAINST INSIDE TRACK WEB PRIOR TO STUD AND TRACK ATTACHMENT.
9. WALL STUD BRIDGING SHALL BE ATTACHED IN A MANNER TO PREVENT STUD ROTATION. BRIDGING ROWS SHALL BE SPACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION. THE MINIMUM BRIDGING SHALL BE 6'-0" O.C. FOR WIND LOADED WALLS AND 4'-0" O.C. FOR AXIAL LOADED WALLS.
10. CONTINUOUS BOTTOM RUNNER TRACKS FOR ALL EXTERIOR WALLS SHALL BE ANCHORED TO FOUNDATION WALLS WITH POWDER ACTUATED FASTENERS (PAF). MAXIMUM SPACING TO BE 16" O.C.
11. CONTRACTOR IS RESPONSIBLE FOR AVOIDING THE OVERLOAD OF COLD FORMED STEEL MEMBERS DURING ERECTION AND FOR PROVIDING ADEQUATE TEMPORARY BRACING UNTIL THE PERMANENT BRIDGING AND SHEATHING ARE IN PLACE.
12. TOUCH-UP WELDS AND REPAIR HOT-DIP GALVANIZED COATING PER ASTM A780.

SPECIAL INSPECTION AND TESTING:

1. SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH THE LATEST EDITION OF IBC, CHAPTER 17, FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:
2. THE ENGINEER OF RECORD REQUIRES THE SUPERVISING PARTY TO CONDUCT SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE WITH THE LATEST EDITION OF IBC, CHAPTER 17, FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:
   A. CONCRETE
   B. SOILS: GEOTECHNICAL ENGINEER SHALL FIELD VERIFY SOIL BEARING CAPACITY AND COMPACTION PER THE REQUIREMENTS OF THE GEOTECHNICAL REPORT
   C. CAST-IN-PLACE ANCHORS IN CONCRETE
   D. POST-INSTALLED ANCHORS IN CONCRETE (PER PRODUCT ICC-ESR REQUIREMENTS)
   E. REINFORCING STEEL IN CONCRETE
   F. REINFORCING STEEL IN MASONRY - LEVEL 2
   G. STRUCTURAL WELDING - VISUAL TESTING (UNO)
   H. STRUCTURAL WELDING - ULTRASONIC OR RADIOGRAPHIC
   J. TESTING (ALL FULL OR PARTIAL PENETRATION WELDS)
   K. HIGH STRENGTH BOLTING
   L. IF THE STRUCTURAL STEEL AND/OR JOIST FABRICATOR IS NOT AISC CERTIFIED, IN-SHOP SPECIAL INSPECTIONS ARE REQUIRED AND SHALL BE PAID FOR BY THE FABRICATOR
   M. STEEL DECK FASTENING
3. THE GENERAL CONTRACTOR SHALL SUBMIT A SPECIAL STRUCTURAL TESTING AND

SEE ARCH/CIVIL FOR EXACT LOCATION ON SITE



2 S1.1 MONUMENT SIGN FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

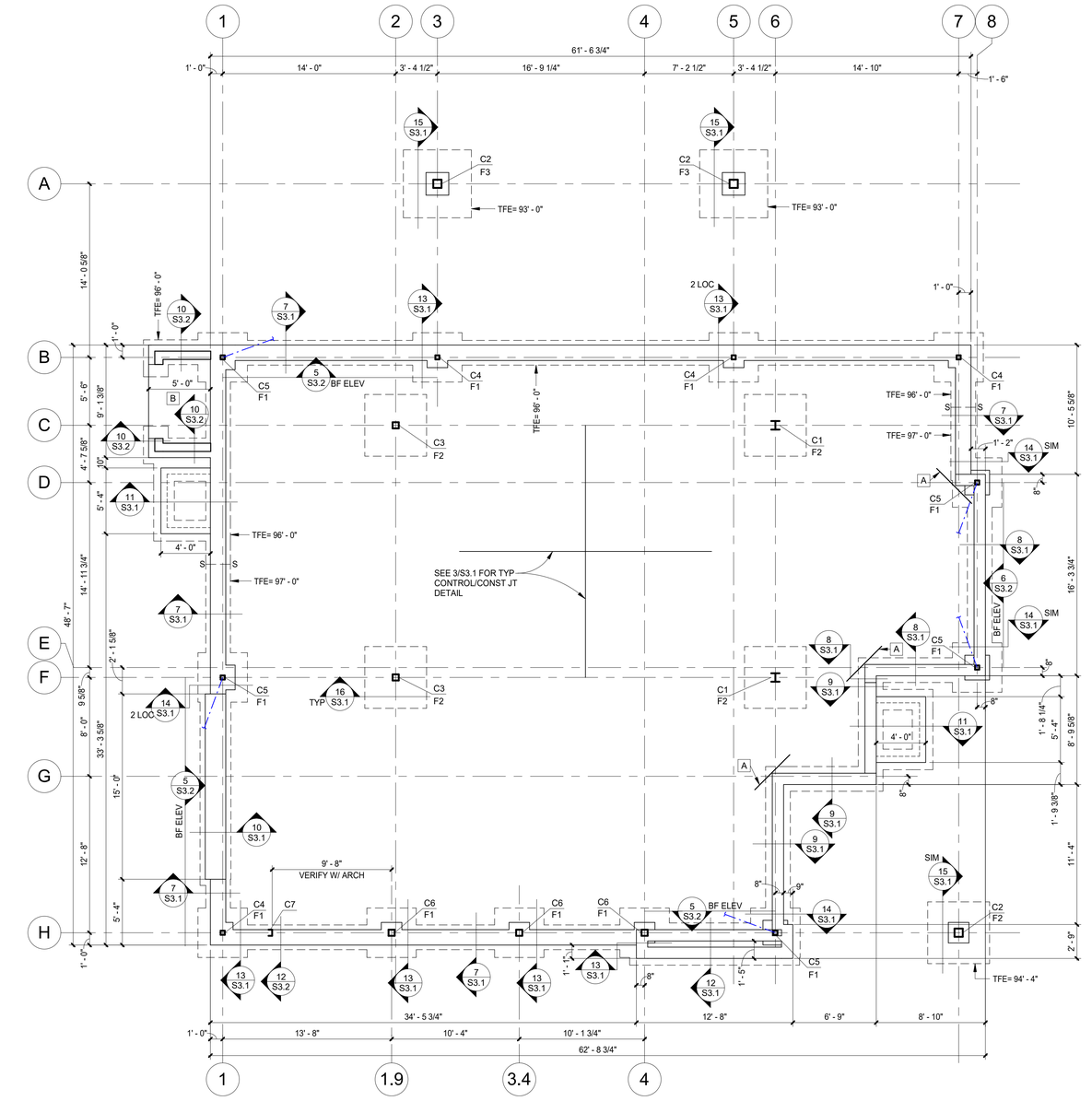
1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
2. SEE ARCH DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.
3. FLOOR SLAB SHALL BE 4" MINIMUM CONCRETE SLAB ON GRADE WITH 6X6-W1.4XW1.4 WWF. FINISHED FLOOR ELEVATION (FFE) = 100'-0". VERIFY ALL DEPRESSED AND SLOPED SLABS WITH ARCH DRAWINGS AND MECH/ELEC CONTRACTORS.
4. ALL CONTINUOUS WALL FOOTINGS SHALL BE 2'-0"W X 1'-0"D WITH (2) #5 CONTINUOUS BOTTOM UNO.
5. TOP OF EXTERIOR FOOTING ELEVATION (TFE) = 97'-0" UNO.
6. TOP OF INTERIOR FOOTING ELEVATION (TFE) = 99'-0" UNO.
7. S----S ON PLAN DENOTES STEPPED FOOTING. SEE SECTION 1/S3.1.
8. SEE DETAIL 2/S3.1 FOR DROPPED FOOTING AT ALL UNDERGROUND MECHANICAL LINES ENTERING BUILDING.
9. SEE DETAILS 4/S3.1, 5/S3.1 AND 6/S3.1 FOR TYPICAL FOUNDATION WALL JOINTS AND CORNER REINFORCING.
10. "CX" ON PLAN DENOTES STEEL COLUMN SIZE. SEE STEEL COLUMN SCHEDULE ON THIS SHEET.
11. "FX" ON PLAN DENOTES FOOTING SIZE. SEE FOOTING SCHEDULE ON THIS SHEET.
12. SEE SECTIONS AND DETAILS FOR SIZE OF CAST-IN-PLACE CONCRETE FOUNDATION WALLS. SEE GENERAL NOTES FOR REINFORCING REQUIREMENTS.
13. EXTEND ALL FOOTINGS MINIMUM 1'-0" BEYOND END OF FOUNDATION WALLS UNO.

1'-0" TYP

FOUNDATION KEYNOTES:

A PROVIDE (2) #4 X 4'-0" DIAGONAL BARS IN SLAB ON GRADE AT INSIDE CORNERS.

B 6" MINIMUM CONCRETE SLAB ON GRADE WITH #4 @ 12" O.C. EACH WAY CENTERED. SEE ARCH FOR TOP OF SLAB ELEVATION (TSE) AND SLOPES.



PLAN NORTH TRUE NORTH

1 S1.1 FOUNDATION PLAN
3/16" = 1'-0"

STEEL COLUMN SCHEDULE

MARK	TYPE	BASE PLATE	REMARKS
C1	W8X40	3/4"X14"X14"	
C2	HSS8X8X1/4	1"X16"X16"	
C3	HSS6X6X3/8	3/4"X12"X12"	
C4	HSS4X4X1/4	3/4"X10"X10"	
C5	HSS4X4X1/4	3/4"X12"X12"	
C6	HSS6X6X1/4	3/4"X12"X12"	
C7	MC6X15.3	1/2"X6"X6"	

FOOTING SCHEDULE

MARK	SIZE	BOT REINF EW	REMARKS
F1	4'-0"X4'-0"X12"	(5) #5	
F2	5'-0"X5'-0"X12"	(6) #5	
F3	5'-6"X5'-6"X12"	(6) #5	

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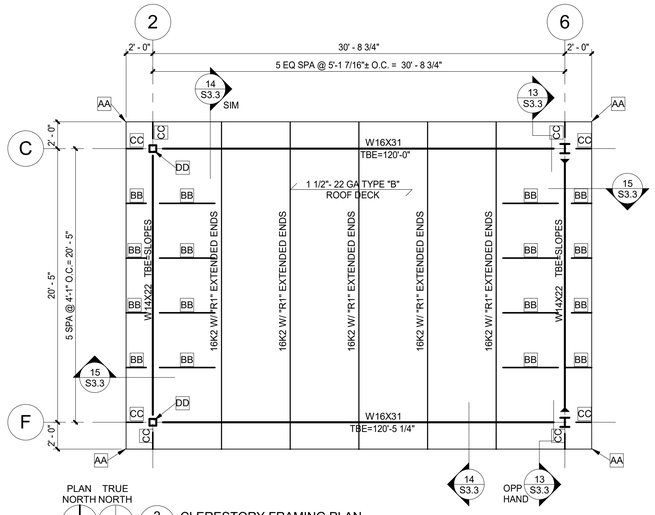
FOUNDATION PLAN

Drawn By: JMW Checked By: BRP

S1.1

70026

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2 S2.1 CLERESTORY FRAMING PLAN
3/16" = 1'-0"

CLERESTORY FRAMING PLAN NOTES:

1. SEE THIS SHEET FOR TYPICAL ROOF FRAMING PLAN NOTES.
2. DECK FASTENING AT HIGH ROOF SHALL BE (DF1).

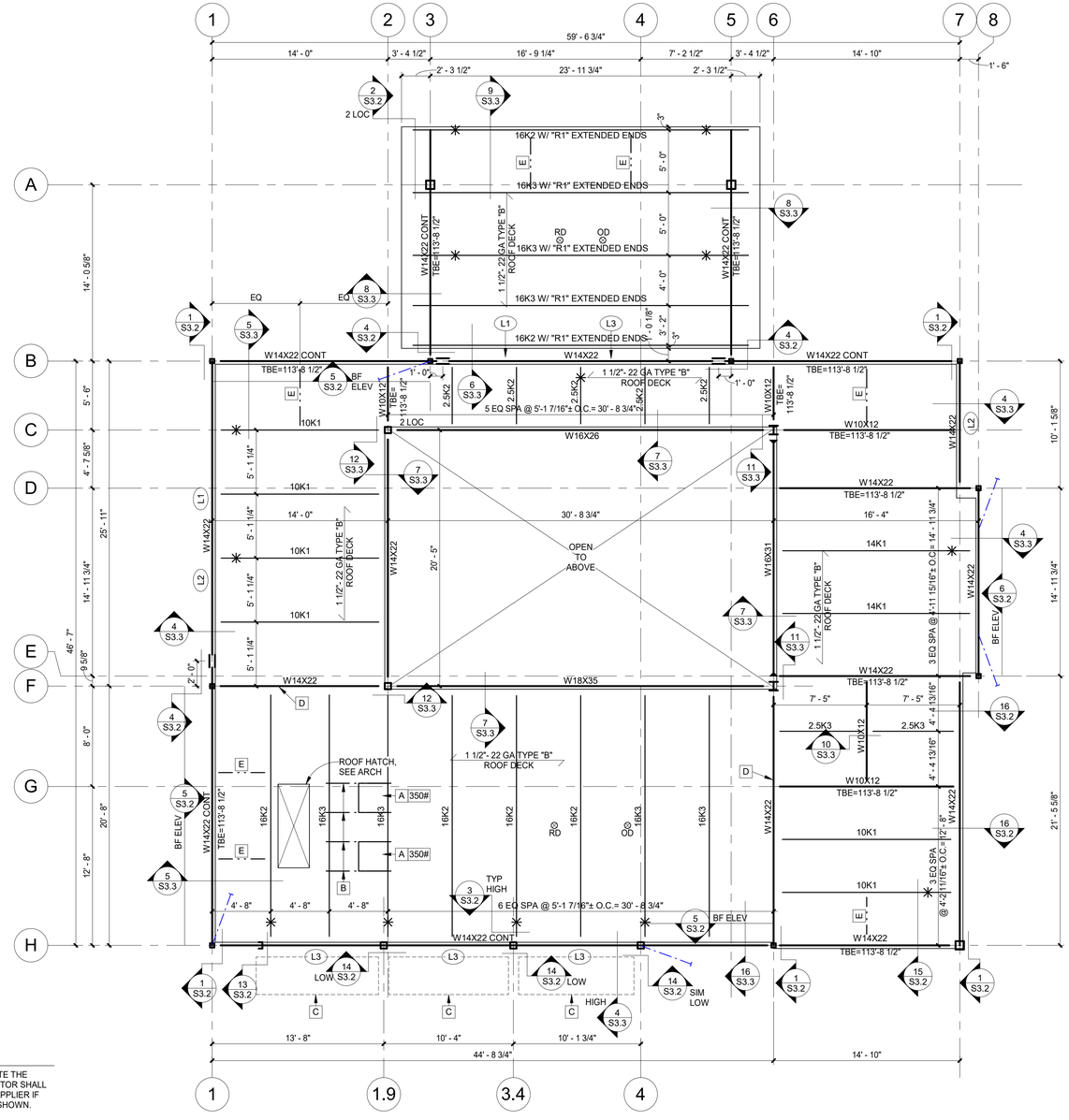
CLERESTORY FRAMING KEYNOTES:

AA MITER CUT ANGLES AT CORNER AND FIELD WELD TOGETHER WITH 3/16" FILLET WELDS ALL AROUND.

BB L5X3X1/4 LLV.

CC HSS5X5X1/4 OUTRIGGER (SLOPE/ROTATE TO MATCH ROOF SLOPE), SHOP WELD TO STEEL COLUMN WITH 3/16" FILLED WELDS ALL AROUND.

DD EXTEND COLUMN TO HIGHEST BEAM ELEVATION. PROVIDE 1/2"X6"X6" CAP PLATE, SHOP WELD TO STEEL COLUMN WITH 1/4" BEVEL WELDS ALL AROUND.



PLAN NORTH TRUE NORTH

1 S2.1 ROOF FRAMING PLAN
3/16" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. SEE FOUNDATION PLAN FOR COLUMN SCHEDULE.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. TOP OF BEAM ELEVATION (TBE) = 113'-6" UNO ON PLAN OR IN SECTIONS..
4. SEE DETAIL 1/S3.3 FOR HANGER REQUIREMENTS AT STEEL JOISTS.
5. SEE DETAIL 2/S3.3 FOR ROOF OPENING SUPPORT FRAME DETAIL AT ROOF OPENINGS (INCLUDING ROOF HATCHES, DRAINS AND MECHANICAL OPENINGS (MO)).
6. SEE DETAIL 3/S3.3 FOR MECHANICAL UNIT SUPPORT DETAIL.
7. ✳ ON PLAN DENOTES JOIST BOTTOM CHORD ANGLE EXTENSION TO BEAM BOTTOM FLANGE. SEE 10/S3.3. JOIST SUPPLIER SHALL CHECK JOIST BOTTOM CHORD FOR 2K AXIAL FORCE.
8. DESIGN ROOF JOISTS FOR A NET SERVICE UPLIFT OF 10 PSF.
9. (DF-) ON PLAN DENOTES ROOF DECK FASTENING. SEE ROOF DECK FASTENING SCHEDULE ON THIS SHEET.
10. ROOF DECK FASTENING SHALL BE (DF1) UNO ON PLAN.
11. (L-) ON PLAN DENOTES LINTEL. SEE LINTEL SCHEDULE ON THIS SHEET.

ROOF FRAMING KEYNOTES:

A MECHANICAL UNIT WEIGHTS AND SIZES SHOWN ON PLAN INDICATE THE MAXIMUM WEIGHT AND SIZE PERMITTED. MECHANICAL CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AND COORDINATE WITH JOIST SUPPLIER IF ANY UNIT WEIGHTS, SIZES OR LOCATIONS DIFFER FROM THOSE SHOWN.

B MECHANICAL UNIT SUPPORT CHANNEL. SEE 3/S3.3.

C SUNSHADE AND CONNECTION TO STRUCTURAL STEEL FRAMING BY OTHERS, SEE ARCH.

D AT DECK DIRECTION TRANSITION, PROVIDE CONTINUOUS WT3X4.5, FIELD WELD TO ROOF JOISTS WITH 3/16" FILLET WELDS EACH SIDE. PROVIDE HSS2 1/2X2 1/2X3/16 X 5" SHIMS AS REQUIRED TO SUPPORT ENDS OF WT3X4.5.

E ANGLE KICKERS, SEE SECTIONS.

LINTEL SCHEDULE

MARK	REFERENCE	MEMBER	REMARKS
L1	---	L4X4X3/8	
L2	---	L7X4X3/8 LLV	
L3	11/S3.2	L7X4X3/8 LLV + HSS8X2X3/16 LSV	

LINTEL SCHEDULE NOTES:

1. VERIFY ALL SPANS OF OPENINGS AND WALL THICKNESSES WITH ARCH DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF DEVIATIONS PRIOR TO FABRICATION AND ERECTION.
2. LOOSE BRICK LINTELS SHALL BE HOT DIP GALVANIZED AND SHALL BEAR 6" MINIMUM AT EACH END OF OPENING.

ROOF DECK FASTENING SCHEDULE

MARK	FASTENING OPTION	TYPICAL FASTENING	PERIMETER FASTENING	SIDELAP CONNECTION
(DF1)	WELDED OPTION	5/8"Ø PUDDLE WELDS W/ 36/4 PATTERN	5/8"Ø PUDDLE WELDS @ 6" O.C.	(1) #10 TEK SCREWS AT MID-SPAN BTWN SUPPORTS
	MECHANICAL FASTENER OPTION	HILTI PAF FASTENERS W/ 36/4 PATTERN (SEE NOTE #1)	HILTI PAF FASTENERS @ 6" O.C. (SEE NOTE #1)	(1) HILTI SLC SCREW AT MID-SPAN BTWN SUPPORTS (SEE NOTE #2)

ROOF DECK FASTENING SCHEDULE NOTES:

1. HILTI PAF FASTENERS SHALL BE HILTI X-HSN 24. IF THE BASE STEEL THICKNESS IS GREATER THAN 3/8", USE ENP-19 FASTENERS IN LIEU OF X-HSN 24.
2. HILTI SLC SCREWS SHALL BE S-SLC 01 M HWH OR S-SLC 02 M HWH SCREWS.

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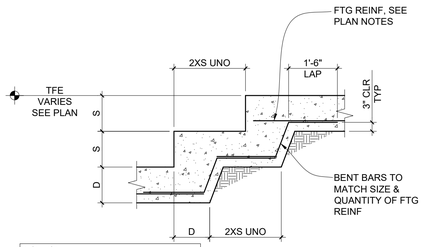
ROOF FRAMING PLAN

Drawn By: JMW Checked By: BRP

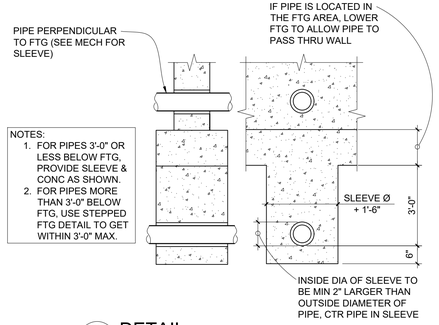
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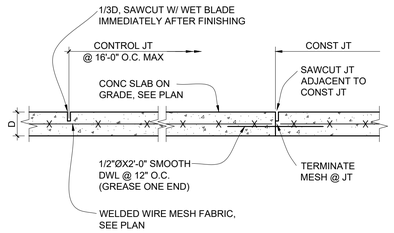
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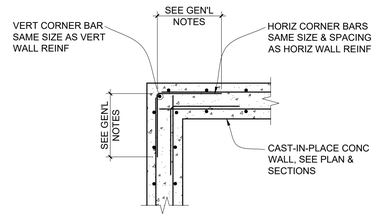
1 S3.1 SECTION — STEPPED FTG — NO SCALE



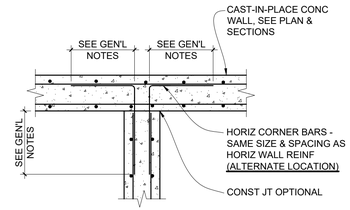
2 S3.1 DETAIL — WALL FTG @ UNDERGROUND LINES — NO SCALE



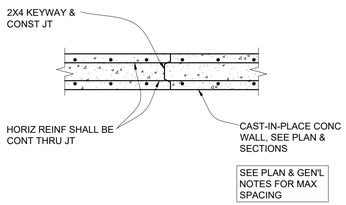
3 S3.1 SECTION — TYP CONTROL/CONST JT — NO SCALE



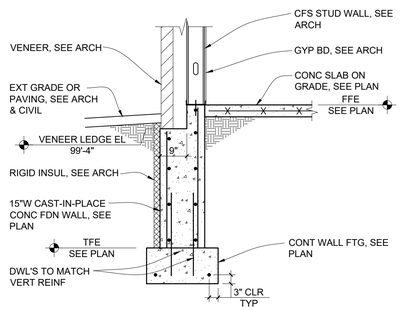
4 S3.1 PLAN DETAIL — TYP WALL CORNER — 1/2"=1'-0"



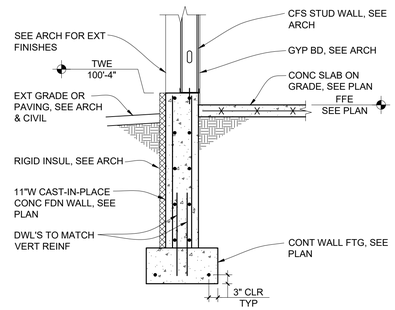
5 S3.1 PLAN DETAIL — TYP WALL INTERSECTION — 1/2"=1'-0"



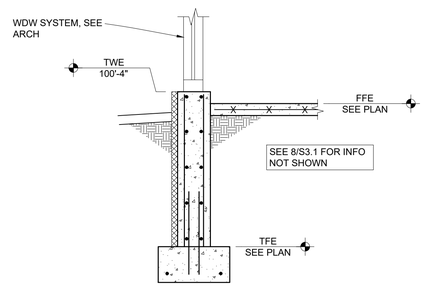
6 S3.1 PLAN DETAIL — WALL CONSTRUCTION JOINT — 1/2"=1'-0"



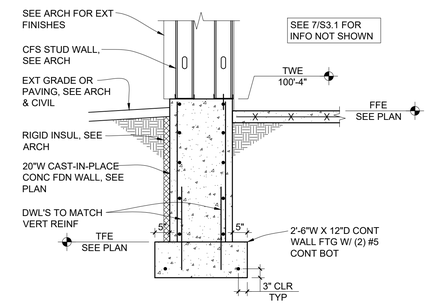
7 S3.1 SECTION — TYP FDN WALL @ VENEER — 1/2"=1'-0"



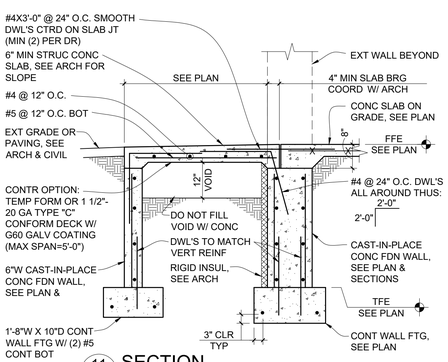
8 S3.1 SECTION — TYP FDN WALL @ METAL PANEL — 1/2"=1'-0"



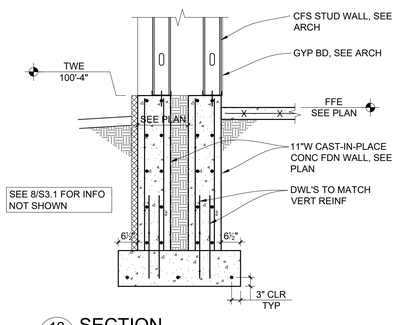
9 S3.1 SECTION — FDN WALL @ WDW SYSTEM — 1/2"=1'-0"



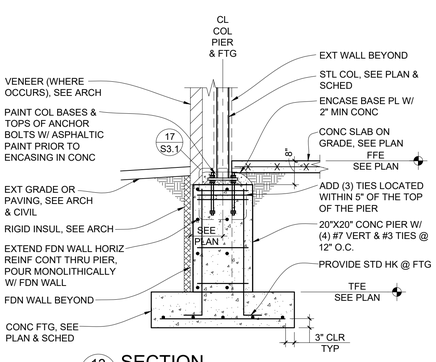
10 S3.1 SECTION — FDN WALL @ DBL WALL — 1/2"=1'-0"



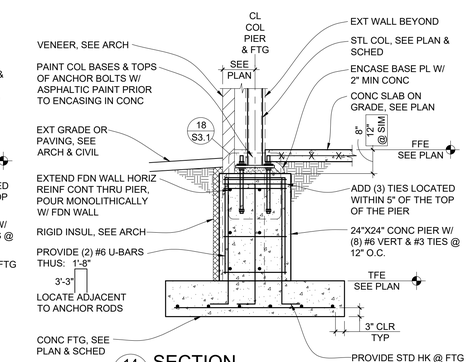
11 S3.1 SECTION — TYP EXT STRUC CONC SLAB — 1/2"=1'-0"



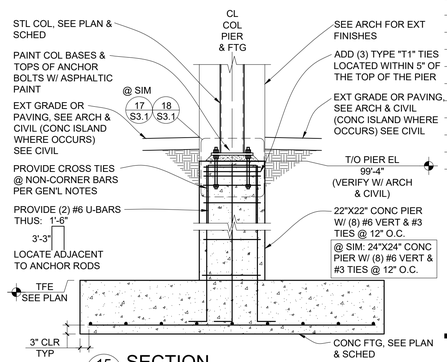
12 S3.1 SECTION — TYP FDN WALL @ SIGN WALL — 1/2"=1'-0"



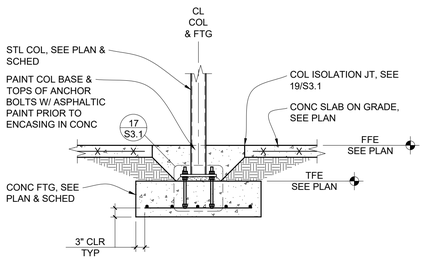
13 S3.1 SECTION — EXT STL COL, PIER & FTG — 1/2"=1'-0"



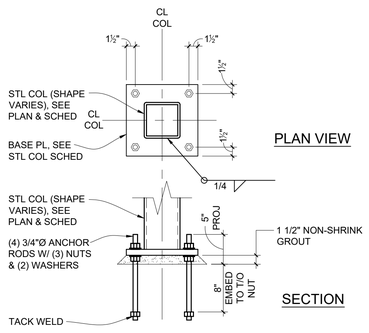
14 S3.1 SECTION — EXT STL COL, FTG & PIER — 1/2"=1'-0"



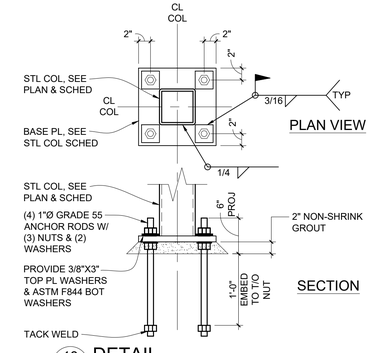
15 S3.1 SECTION — EXT STL COL, PIER & FTG — 1/2"=1'-0"



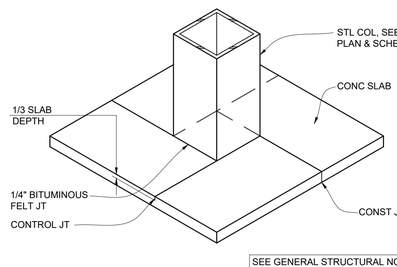
16 S3.1 SECTION — INT STL COL & FTG — 1/2"=1'-0"



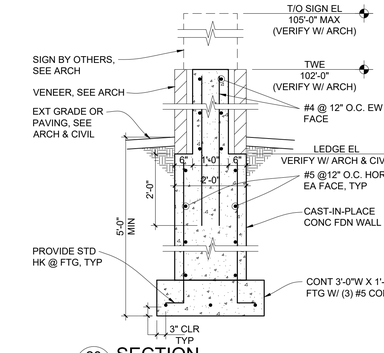
17 S3.1 DETAIL — ANCHOR ROD SETTING — 1"=1'-0"



18 S3.1 DETAIL — ANCHOR ROD SETTING — 1"=1'-0"



19 S3.1 DETAIL — TYP COL ISOLATION JT — NO SCALE



20 S3.1 SECTION — MONUMENT SIGN FDN — 1/2"=1'-0"

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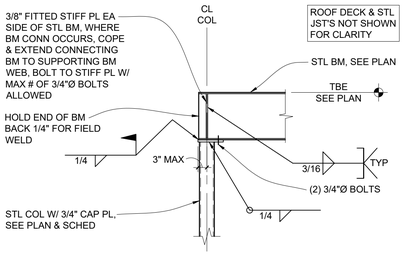
SECTIONS AND DETAILS

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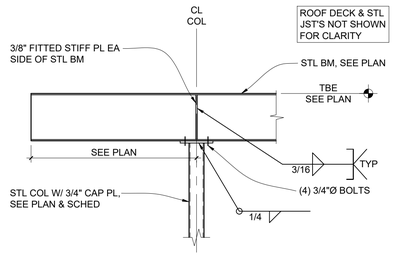
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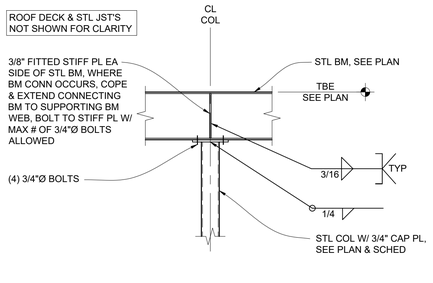
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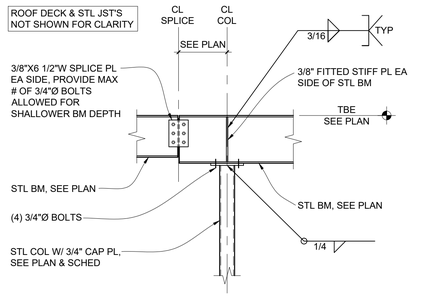
1 S3.2 SECTION
STL BM TO COL CONN 1/2"=1'-0"



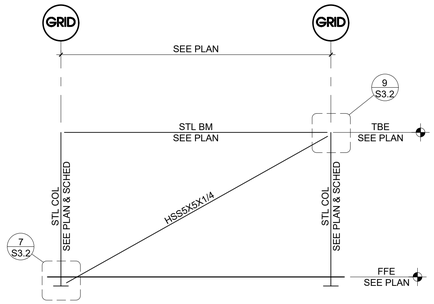
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STL BM TO COL CONN 1/2"=1'-0"



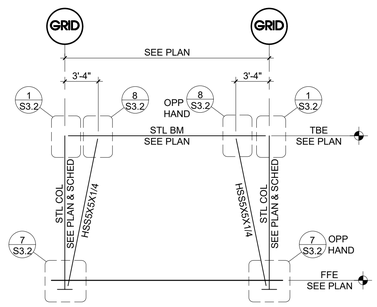
3 S3.2 SECTION
STL BM TO COL CONN 1/2"=1'-0"



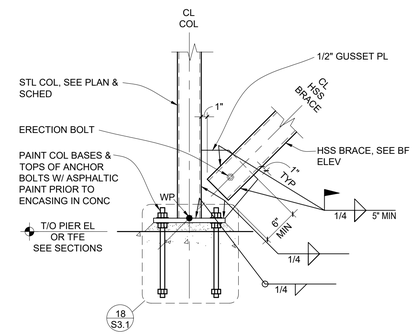
4 S3.2 SECTION
STL BM TO COL CONN & BM SPLICE 1/2"=1'-0"



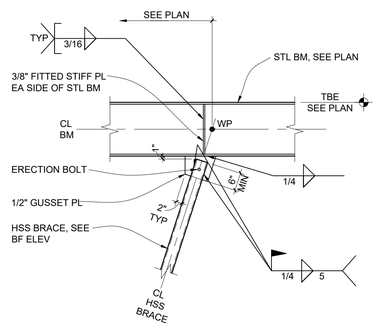
5 S3.2 ELEVATION
BRACED FRAME NO SCALE



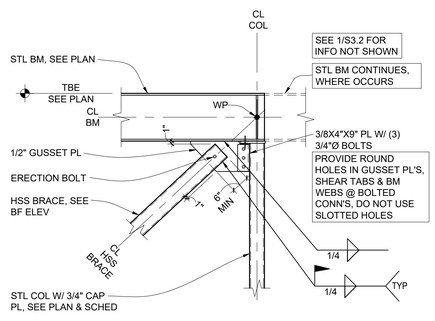
6 S3.2 ELEVATION
BRACED FRAME NO SCALE



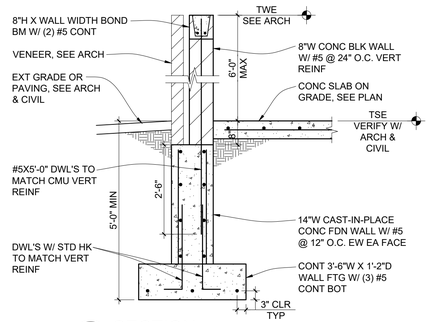
7 S3.2 DETAIL
BRACED FRAME CONN @ BASE 1"=1'-0"



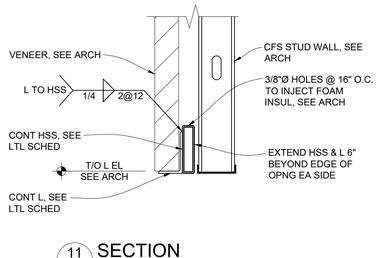
8 S3.2 DETAIL
BRACED FRAME CONN 1/2"=1'-0"



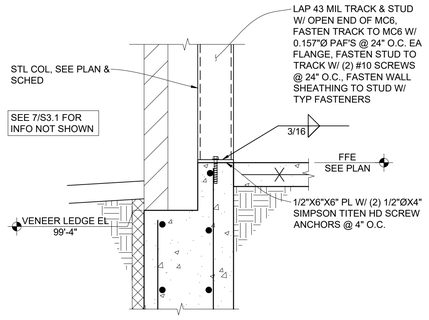
9 S3.2 DETAIL
BRACED FRAME CONN 1/2"=1'-0"



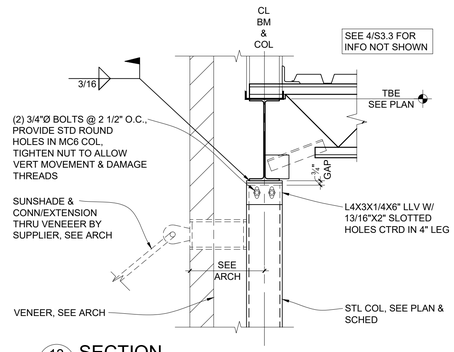
10 S3.2 SECTION
TRASH ENCLOSURE WALL 1/2"=1'-0"



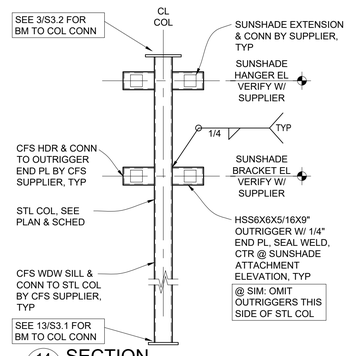
11 S3.2 SECTION
BRICK LTL 1"=1'-0"



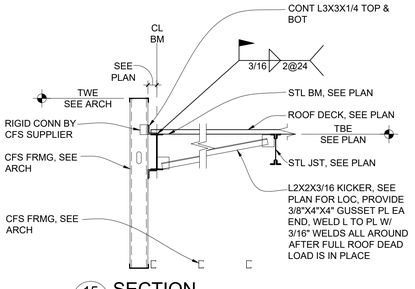
12 S3.2 SECTION
SUNSHADE SUPPORT COL TO FDN WALL CONN 1"=1'-0"



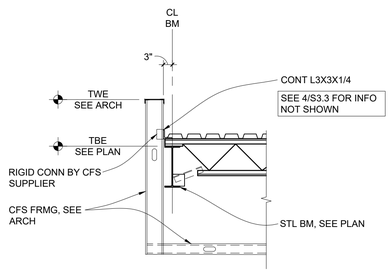
13 S3.2 SECTION
SUNSHADE SUPPORT @ POST 1"=1'-0"



14 S3.2 SECTION
SUNSHADE @ STL COL 1/2"=1'-0"



15 S3.2 SECTION
STL BM @ ROOF EDGE 1/2"=1'-0"



16 S3.2 SECTION
STL JST BRG @ STL BM 1/2"=1'-0"

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PROJECT

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NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	3/27/2026
REVISIONS	
DATE	NO

WISCONSIN
MICHAEL J VAN DE RIET
48987-6
MINNEAPOLIS, MN
PROFESSIONAL ENGINEER

3/27/2026

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5279 Kyler Avenue NE Albertville MN 55301
Phone: 763.425.9960 ■ www.isseng.com

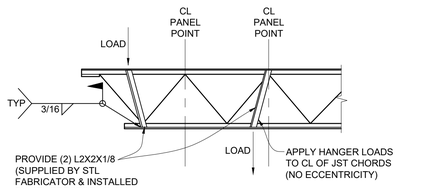
SECTIONS AND DETAILS

Drawn By: JMW Checked By: BRP

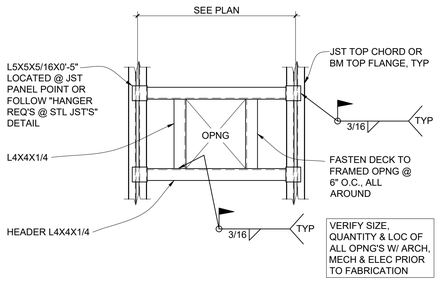
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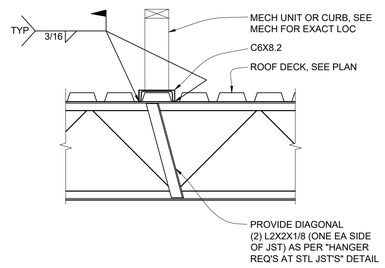
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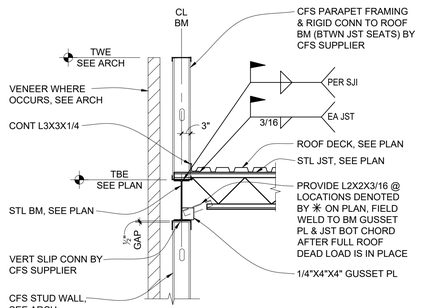
1 S3.3 **DETAIL**
HANGER REQ'S @ STL JST'S — NO SCALE



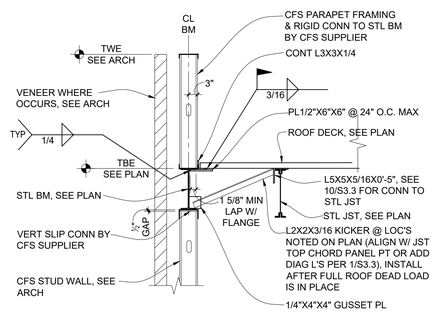
2 S3.3 **PLAN DETAIL**
ROOF OPNG SUPPORT FRAME — NO SCALE



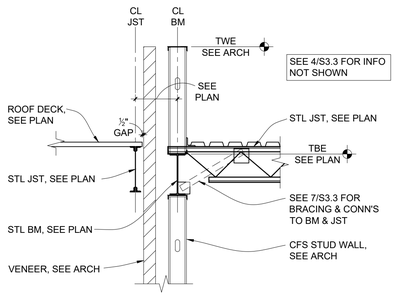
3 S3.3 **DETAIL**
MECH UNIT SUPPORT — NO SCALE



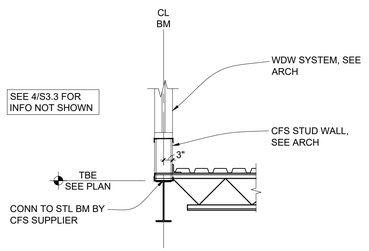
4 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



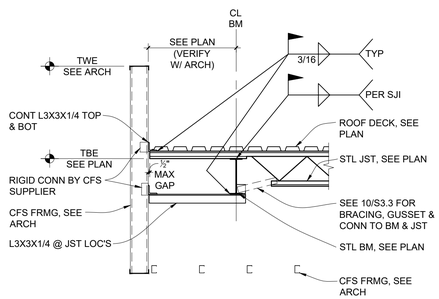
5 S3.3 **SECTION**
DECK BRG @ STL BM — 1/2"=1'-0"



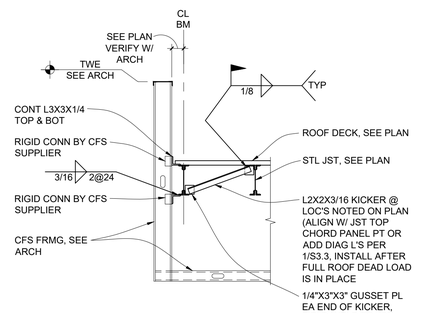
6 S3.3 **SECTION**
CANOPY EDGE @ EXT WALL — 1/2"=1'-0"



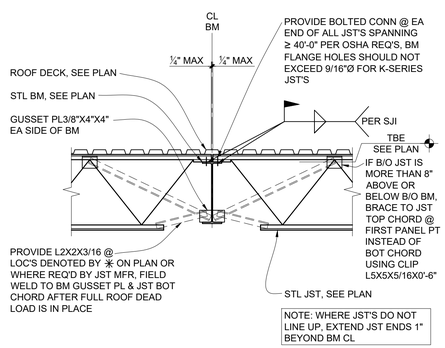
7 S3.3 **SECTION**
JST BRG @ CLERESTORY — 1/2"=1'-0"



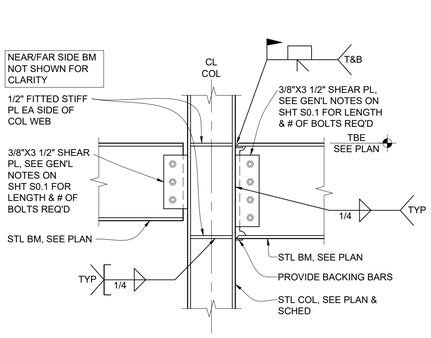
8 S3.3 **SECTION**
STL JST BRG W/ EXTENDED END @ STL BM — 1/2"=1'-0"



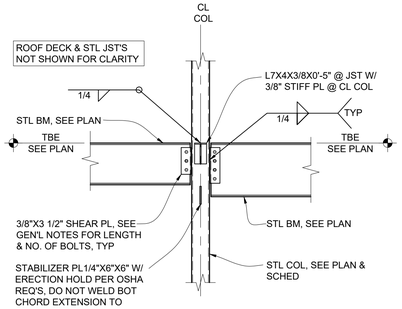
9 S3.3 **SECTION**
ROOF DECK BRG @ STL JST — 1/2"=1'-0"



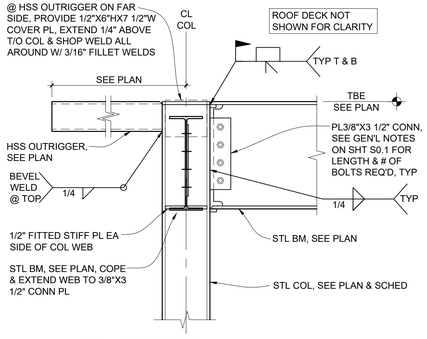
10 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



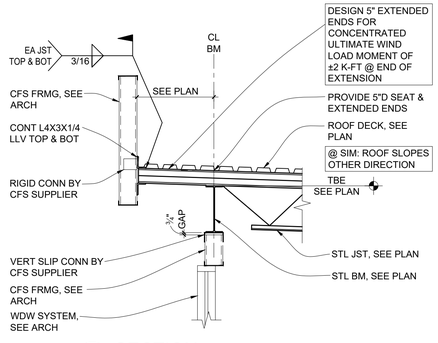
11 S3.3 **SECTION**
WIDE FLANGE COL MOMENT CONN — 1"=1'-0"



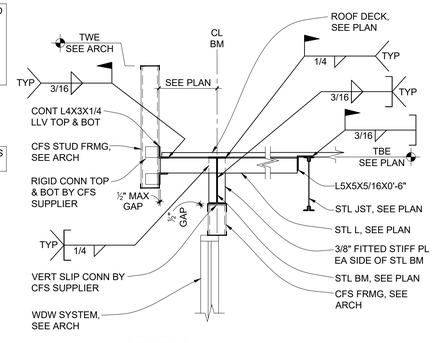
12 S3.3 **SECTION**
STL BM TO COL CONN — 1/2"=1'-0"



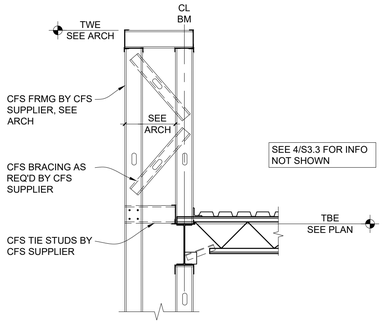
13 S3.3 **SECTION**
WIDE FLANGE COL MOMENT CONN — 1"=1'-0"



14 S3.3 **SECTION**
STL JST BRG @ STL BM — 1/2"=1'-0"



15 S3.3 **SECTION**
ANGLE OUTRIGGER @ STL BM — 1/2"=1'-0"



16 S3.3 **SECTION**
STL JST BRG @ STL BM @ TALL PARPAET — 1/2"=1'-0"

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PROJECT

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SECTIONS AND DETAILS

Drawn By: JMW — Checked By: BRP

S3.3

70026

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LA CROSSE
WISCONSIN

Department of Planning and Development
400 La Crosse St, La Crosse, WI 54601 | P: (608) 789-7512

Memorandum

To: **Design Review Committee**
Trent Schott, HRS Associates
Doug Ramsey, HSR Architects

From: **Tim Acklin, Planning and Development Department**

Date: **March 13, 2026**

Re: Design Review Project
Mayo Employees Federal Credit Union (605 West Ave)

Design Review Committee Members:
Steve Pataska, Police Department
Tim Acklin, Planning & Development Department
Matt Gallager, Engineering Department
Yuri Nasonovs, Engineering Department
Eddie Young, Building and Inspections Department
Jason Riley, Building and Inspections Department
Brian Asp, Utilities Department
Bee Xiong, Fire Department- Division of Fire Protection and Building Safety
Brian Asp, Utilities Department
Samantha Meyer, Parks, Recreation, and Forestry Department
Jamie Hassemer, Engineering Department
Stephanie Sward, Engineering Department
Cullen Haldeman, Engineering Department

On February 25, 2026, plans were submitted to the Design Review Committee for review of the project located at 605 West Ave (Mayo Credit Union) The following comments/feedback have been provided.

All revised plans in accordance with this memo must be submitted to the Planning and Development Department for review, unless otherwise stated. No permits will be issued for this project by the Division of Fire Prevention and Building Safety until they receive written confirmation/approval from the Planning and Development Department.

Requirements Prior to Issuance of a Demolition or Footing & Foundation Permit

1) Approval of a Certified Survey Map. (If applicable)
2) Combination of parcels for project site. (If applicable)
3) Approval of Final Plans from the Engineering Department.
4) Approval of Final Plans from the Utility/Water Department.
5) Approval of Final Plans from the Building and Inspections Department

Requirements Prior to Issuance of a Building Permit

1) Approval of Final Plans from the Planning and Development Department.

Requirements Prior to Issuance of an Occupancy Permit

1) A Letter of Credit in the estimated cost amount of the proposed landscaping has been submitted to the Planning and Development Department to guarantee the proper installation and growth of all landscape improvements proposed in the approved Landscape Plan **OR** all proposed landscaping in the approved Landscape Plan has been installed.
2) A stamped letter of substantial completion from the design engineer of the project within 10 days of completion.
3) Field review and approval of the completed stormwater management facility by the City's Utilities Department.
4) Compliance statement required to be submitted from the supervising professional (architect or engineer) observing the construction project.
5) Final inspection to be performed by Building & Inspections staff.
6) Field review and approval of the completed stormwater management facility by the City's Utilities Department.

Engineering Department- (Contact-Matt Gallager-789-7392, Stephanie Sward-789-8171, Jamie Hassemer- 789-8182, Cullen Haldeman- 789-8185)

1) Dimensions for parking lot need to be on the civil plans. (Stephanie Sward)
2) Are you replacing the driveway aprons and sidewalks? (Stephanie Sward)
    - Yes- On Ferry Street
        - Will need excavation permit and design will need to meet city specifications. (Stephanie Sward)
        - Any work on West Ave will need to have an approved traffic control plan WisDOT. (Stephanie Sward)
3) The drive aisle around the building may be too narrow if a car is stalled within it. Please consider widening. (Stephanie Sward)
4) Must submit a photometric plan with cutsheets of proposed fixtures. Must show footcandle values 25ft beyond the property line. (Jamie Hassemer)

Building and Inspections Department
(Contact-Eddie Young- 789-7582, Jason Riley- 789-7585)

1) Contact United States Postal Service for location and type of mailbox(es) required if applicable
2) Will need State Approved Building and HVAC Plans. (Young)
3) Will need Separate electrical, plumbing, HVAC, building, fence and signage permits. (Young)
4) State plan approval for plumbing plans. (Riley)

5) Will need a Demo Permit for the existing building. Staff will discuss how to permit the existing building to be used while the new building is being constructed, especially concerning the utilities.
6) All monuments must be out of the vision clearance triangle. Triangle is 20ft from corner of intersection and 15ft form corners of driveways onto property.
7) Any pipes associated with an infiltration basin will need a State approved plumbing plan.

Police Department- (Steve Pataska-789-7210)

1) No concerns at this time. Recommendation to install cameras and entrance and exit points. The Police Department can assist with this effort.

Planning Department-(Contact-Tim Acklin-789-7391)

1) Must provide bicycle parking. Indicate on site plan location and number of provided spaces.
2) Provide percent calculation of windows and doors in relation to the total façade for the West and North elevations.
3) Parking closer to street than building. Will need to request a exception from the council. Link to process.

Utilities Department- (Brian Asp-789-3897)

1) Existing 1" pipe may be enough instead of proposed 2".
2) Will need as builts.
3) Catch basin may be a small inlet box which may be a problem.

Engineering Department (Stormwater) - (Contact-Yuri Nasonovs-789-7594)

1. Conceptually good
2. Require soil borings.
3. Storm permit application draft maintenance agreement on website fee $200
4. Will need to submit application, draft maintenance agreement and review fee of $200.
    a. Can be found at link below.
        i. Stormwater Permit Application | La Crosse, WI

Fire Department- (Contact- Bee Xiong 789-7260)

1. Will need a KNOX Box. Wok with Fire Department on any concerns related to this requirement.

Parks, Recreation, and Forestry- (Contact-Sami Meyer 789-7560, Dan Trussoni 789-4915)

1) No concerns at this time.

SITE PLAN SUMMARY:

ZONING:
MUNICIPAL ZONING APPLIES (NO CONDITIONS APPLY)

PARCEL AREA (17-30198-50):
0.84 ACRES +/-

MAIN LEVEL SQ. FT.	2,770 S.F.
DRIVE-UP CANOPY	555 S.F.

PARKING REQUIREMENTS:
MINIMUM PARKING STALL DIMENSIONS 20' X 9' (90 DEGREE PARKING)

EXISTING PARKING STALLS:	18
NEW PARKING STALLS:	17
ACCESSIBLE STALLS PROVIDED:	1

PROPOSED IMPERVIOUS	0.498 ACRES (21,686 S.F.)
PROPOSED GREEN SPACE	0.322 ACRES (14,036 S.F.)

SETBACKS:
MINIMUM SETBACK FOR PARKING STALLS AND DRIVES IS 5' FROM PROPERTY LINES.

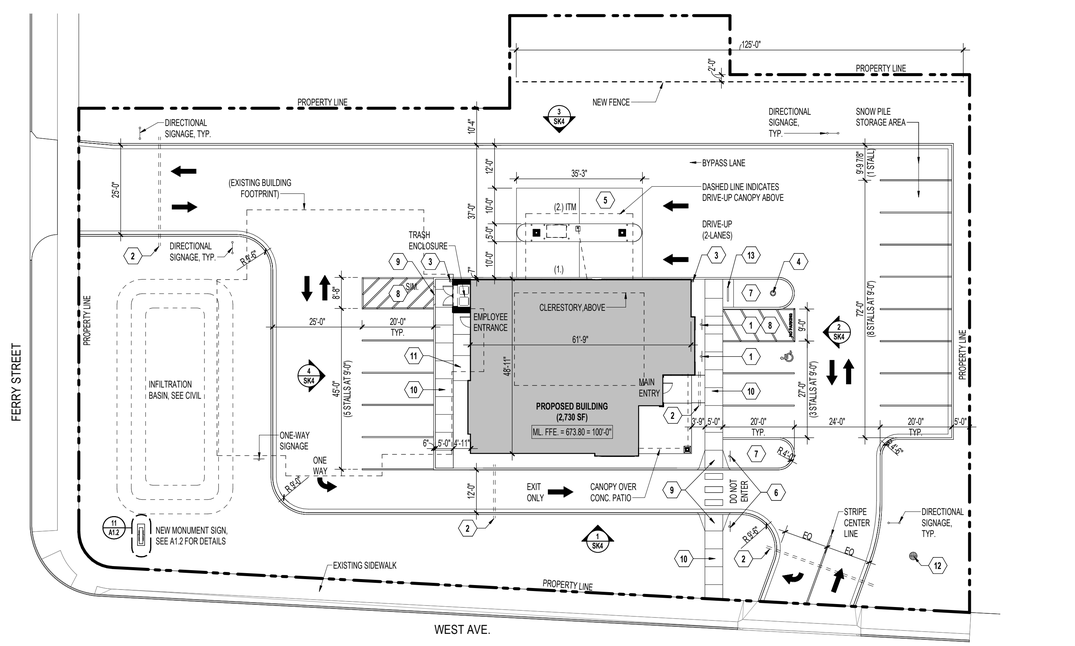
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00 KEYED SITE PLAN NOTES

NO.	DESCRIPTION
1	ACCESSIBLE PARKING SPACE SIGN SHALL BE LOCATED CENTERED AT HEAD OF AISLE. MOUNTED ON 2" SQ. ALUMINUM PIPE STD. AND 40"-60" ABOVE ADJACENT PARKING SURFACE, MAX 8'-0" FROM CURB. SEE DETAIL.
2	PROVIDE UNDERGROUND PIPES FOR LAWN SPRINKLER - VERIFY WITH SPRINKLER CONTRACTOR FOR QUANTITY AND LOCATIONS.
3	6" DIA. PIPE BOLLARD. SEE DETAIL.
4	FLAGPOLE. SEE DETAIL.
5	REINFORCED CONCRETE AT DRIVE-UP. SEE CIVIL
6	DO NOT ENTER SIGNAGE, COORDINATE WITH SIGNAGE VENDOR
7	ROCK MULCH. SEE CIVIL / LANDSCAPE
8	PROVIDE " NO PARKING" STRIPING, AS REQUIRED BY STATE CODE
9	ACCESSIBLE PEDESTRIAN RAMP. SEE CIVIL
10	4" CONCRETE SIDEWALK. SEE CIVIL
11	A/C UNITS, SEE MECHANICAL
12	MANHOLE COVER, SEE CIVIL
13	SURFACE MOUNTED BIKE RACK, FINALIZE EXACT LOCATION WITH OWNER

SITE PLAN GENERAL NOTES:

1. ALL SITE GRADING TO BE DONE PER CIVIL DRAWINGS.
2. VERIFY & LOCATE ALL UNDERGROUND PHONE & UTILITY LINES PRIOR TO ANY EXCAVATION.
3. SEE CIVIL & MECH./ELEC. DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE UTILITIES.
4. BARRICADE OFF CONSTRUCTION AREA AS REQUIRED KEEP CONSTRUCTION AREA TO MINIMUM.
5. SLOPE SIDEWALKS & GRADE AWAY FROM BUILDING TYPICAL 1:20 MAX. SLOPE. SIDEWALK RAMP SLOPE IS 1:12 MAX. ACCESSIBLE PKG. & ACCESS AISLES ARE 1:48 MAX. SLOPE IN ANY DIRECTION.
6. MATCH NEW CONSTRUCTION WITH EXISTING WHEREVER NECESSARY (ie., CONC., CURBS, CONC. WALKS, PAVING, ETC.).
7. MATCH/TIE NEW GRADING INTO EXISTING GRADING.
8. CUT & PATCH EXISTING BITUMINOUS PAVING, CONC. CURBS & SIDEWALKS TO MATCH EXISTING.
9. ALL MECHANICAL & ELECTRICAL EXPOSED PIPING, GRILLES, CONDUITS, ETC. TO BE PAINTED.
10. PARKING STRIPES TO BE PAINTED 4" WIDE AT 9'-0" O.C. & 26'-0".
11. FURNISH & INSTALL POSTED HANDICAP SIGNS AS REQUIRED BY STATE CODE.
12. CONC. SIDEWALK WIDTHS TO BE 5'-0" WIDE w/CONTROL JOINTS @ 5'-0" SIM.
13. SEE CIVIL DRAWINGS AND EXHIBITS FOR ADDTIONAL/ SPECIFIC INFORMATION ON SITE PLAN



1 A1.1 **SITE PLAN**
1" = 20'-0"

TRUE NORTH PLAN NORTH

HTG architects
www.htg-architects.com
Minneapolis Bismarck
1010 Mainstreet, Suite 100
Hopkins, MN 55343
Tel: 952.278.8880

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605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	3/27/26
REVISIONS	
DATE NO	

SEAN C. RABOIN
47337 3/27/26
Reg No. Date

NOT FOR CONSTRUCTION
PRELIMINARY

SITE PLAN

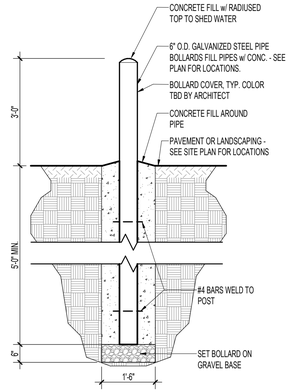
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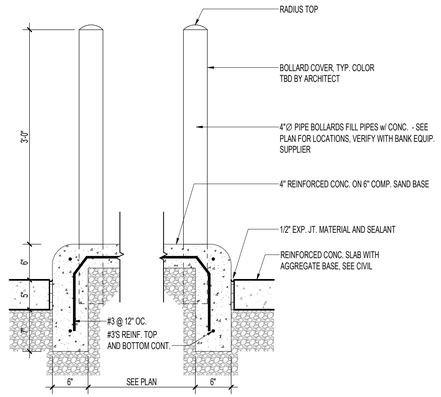
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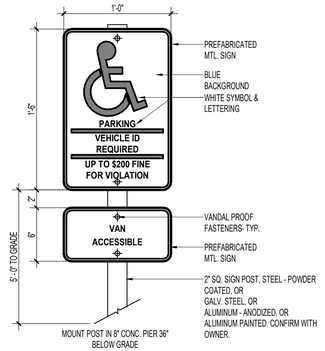
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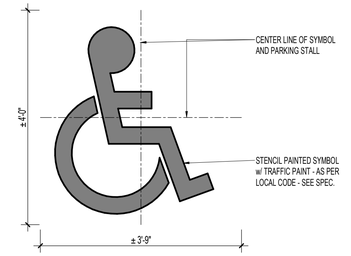
1 A1.2 **PIPE BOLLARD SECTION**
1/2" = 1'-0"



2 A1.2 **DRIVE UP ISLAND DETAIL**
1" = 1'-0"



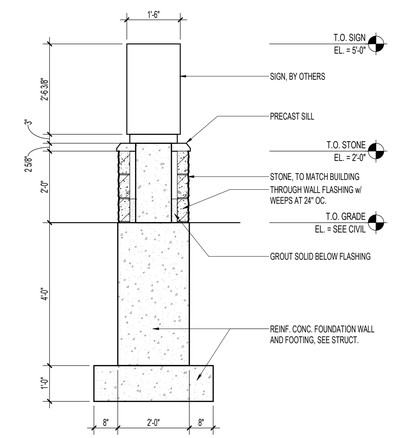
3 A1.2 **ACCESSIBLE PARKING SIGN DETAIL**
1 1/2" = 1'-0"



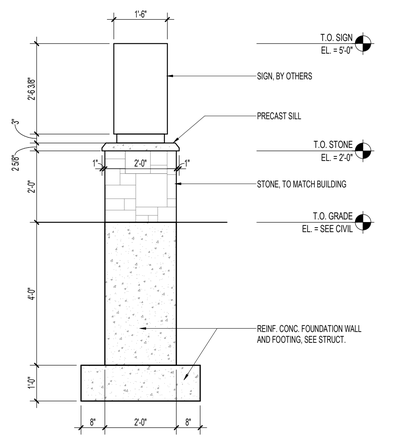
4 A1.2 **ACCESSIBLE PARKING SYMBOL**
3/4" = 1'-0"

5 A1.2 **DIRECTIONAL SIGNAGE ELEVATIONS**
3/4" = 1'-0"

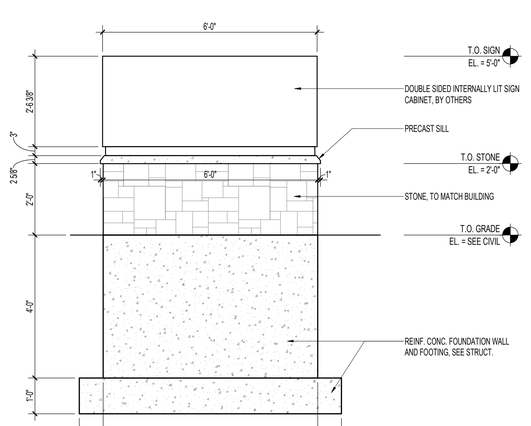
6 A1.2 **DIRECTIONAL ARROW**
1/2" = 1'-0"



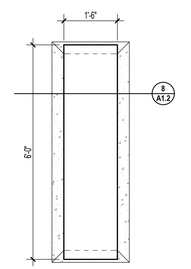
8 A1.2 **MONUMENT SIGN SECTION**
1/2" = 1'-0"



9 A1.2 **MONUMENT SIGN ELEVATION (SIDE)**
1/2" = 1'-0"



10 A1.2 **MONUMENT SIGN ELEVATION (FRONT)**
1/2" = 1'-0"



NOTE:
ALL FINAL DIMS. AND EXACT LOCATION TO BE COORDINATED WITH SIGNAGE VENDOR AND OWNER, PRIOR TO INSTALL.

11 A1.2 **MONUMENT SIGN PLAN**
1/2" = 1'-0"

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NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 3/27/26
REVISIONS
DATE NO

SEAN C. RABOIN
47337 3/27/26
Reg No. Date

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SITE DETAILS

Drawn By: SRC Checked By: SCR

A1.2

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GENERAL NOTES:

MAIN BUILDING ROOF -
EPDM. ON 1/4" PER FT. FLOPING TAPERED INSULATION ON 4 1/2" RIGID INSUL. BASE LAYER ON 1 1/2" MTL. DECKING ON FLAT STL. STRUCTURE (SEE STRUCT.)

ENTRY CANOPY/DRIVE-UP CANOPY -
EPDM. ON 1/4" PER FOOT SLOPING TOP LAYER OF RIGID INSUL. ON 1 1/2" MTL. DECKING ON FLAT STRUCTURE (SEE STRUCT.)

CLERESTORY ROOF -
EPDM. ON 1/4" PER FT. SLOPING TAPERED INSULATION ON 4 1/2" RIGID INSUL. BASE LAYER ON 1 1/2" MTL. DECKING ON FLAT STL. STRUCTURE (SEE STRUCT.)

MISCELLAENEOUS NOTES -
FULLY ADHERE EPDM. TO ALL PARAPETS- TYPICAL.

EPDM. TO BE ADHERED & MECH. FASTENED TO DECK (SEE SPEC.)

SEE MECHANICAL FOR EXACT QUANTITIES & LOCATIONS OF ROOF & OVERFLOW DRAINS.

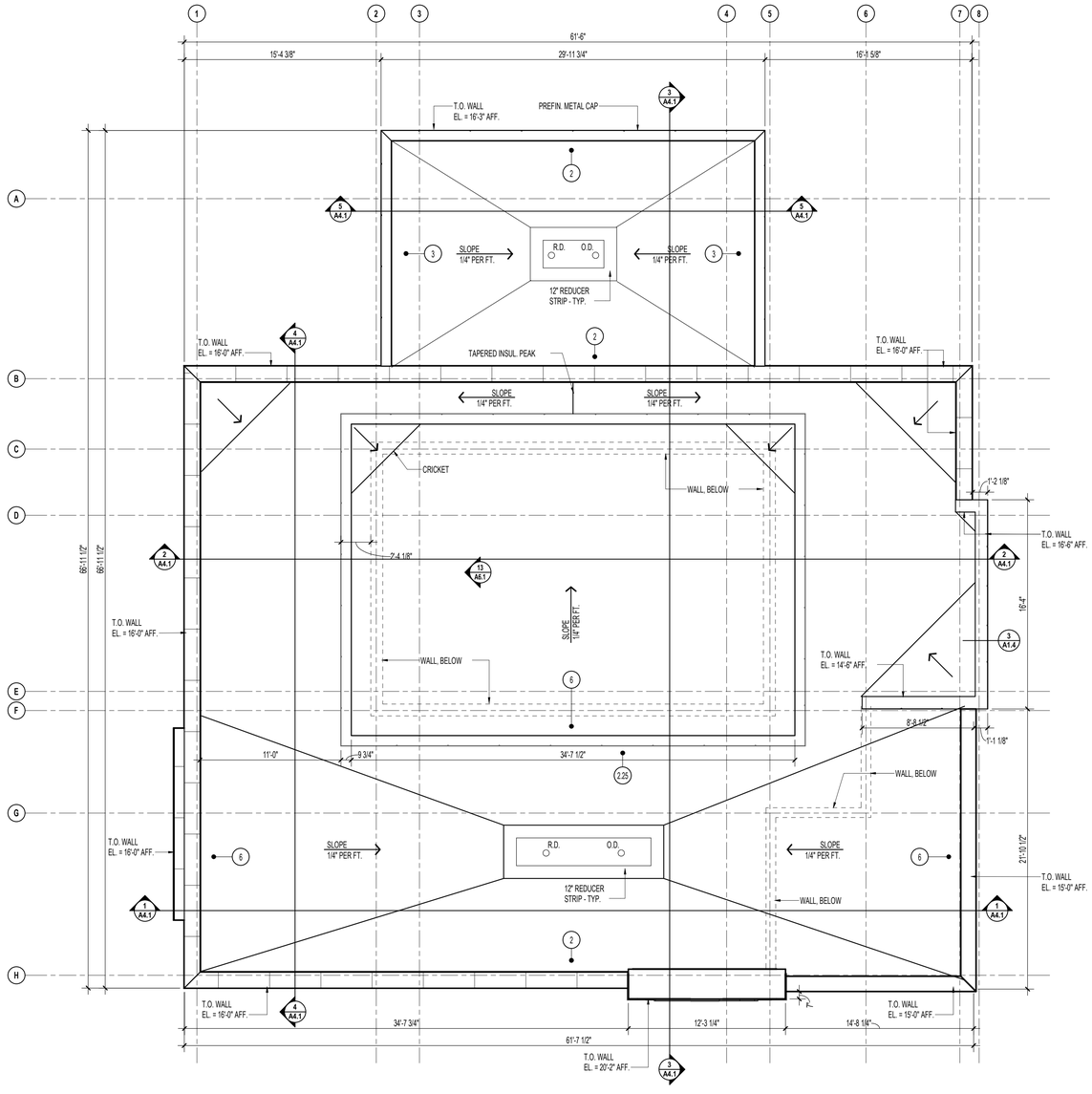
INSTALL CRICKETS AS REQ'D. FOR PROPER ROOF DRAINAGE.

5.5 — THICKNESS (IN INCHES) OF TAPERED INSULATION.

R.D. — ROOF DRAIN (SEE MECH.)

O.D. — OVERFLOW ROOF DRAIN (SEE MECH.) OVERFLOW DRAIN TO BE MAX. 2" ABOVE ROOF DRAIN.

1. LOCATIONS OF ALL ROOF PENETRATIONS TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
2. VERIFY EXACT LOCATIONS OF ROOFTOP CURBS WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
3. INSTALL RIGID INSULATION CRICKETS AT HIGH SIDE OF ALL RTU'S AND ROOF HATCH. SLOPE 1/4" PER FOOT.
4. PROVIDE PIPE FLASHINGS, CONDUIT FLASHINGS, AND MANUFACTURED GAS PIPING SUPPORTS AS REQUIRED. REFER TO TYPICAL DETAILS ON A1.3 AND MANUFACTURES DETAILS TO MEET WARRANTY OF ROOF.
5. PROVIDE STRUCTURAL FRAMING AT ALL ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS.
6. CONTRACTOR SHALL KEEP ROOF CLEAN OF ALL DEBRIS DURING ALL CONSTRUCTION WORK.
7. REFER TO DESIGN/BUILD PLUMBING DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS REQUIRING ROOF FLASHING WORK. ALL ROOF PENETRATIONS FOR MINOR ROOF VENTS AND SIMILAR ITEMS MAY NOT BE INDICATED ON THIS ROOF PLAN: HOWEVER, ALL ROOF FLASHING WORK SHALL BE PROVIDED BY THE ROOFING SUBCONTRACTOR SO AS TO OBTAIN OR MAINTAIN NEW ROOFING WARRANTIES.
8. ROOF DRAIN (SEE MECH.)



1 / A1.3 ROOF PLAN
3/16" = 1'-0"

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ROOF PLAN

Drawn By: SRC Checked By: RBB

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MAIN LEVEL DOOR SCHEDULE

SEE 1/A7.1 - 2/A7.1 AND 3/A7.1 - 10/A7.1 FOR DOOR AND FRAME ELEVATIONS

DOOR#	DOOR OPENING SIZE	DOOR				FRAME		RATING	HARDWARE GROUP	NOTES
		PANEL 1 WIDTH	PANEL 2 WIDTH	PAIR	MATL/ TYPE	MATL/ TYPE	DETAIL			
101	3'-0"x7'-0 1/8"x1 3/4"	3'-0"			AL-FGe	--				
102	3'-0"x7'-0"x1 3/4"	3'-0"			AL-FGi	--				
106	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
108	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	WD-1				
109	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	WD-1				
114	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
115	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
116A	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
116B	3'-0"x7'-0"x1 3/4"	3'-0"			HM-Fe	HM-1				
119	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
120	3'-0"x7'-0"x1 3/4"	3'-0"			WD-Fi	HM-1				
139	3'-0"x7'-0"x1 3/4"				WD-Fi	--				
148	3'-0"x7'-0"x1 3/4"				WD-Fi	--				
166	3'-0"x7'-0"x1 3/4"				WD-Fi	--				
175	0"x0"x									

1. THRESHOLD.
2. WEATHER STRIPPING.
3. CLOSER.
4. AUTOMATIC HCP. DOOR OPENER.
5. ELECTRIC LOCK (BY G.C.) & CARD READER/FOB. (DEVICE BY OTHERS).
6. COAT HOOK.
7. GATE TO HAVE SPRING-LOADED HINGE.
8. GATE TO HAVE CASTER AT NON-HINGE END OF GLASS PANEL.

00 KEYED PLAN NOTES

NO.	DESCRIPTION

A BANK EQUIPMENT KEYED LIST

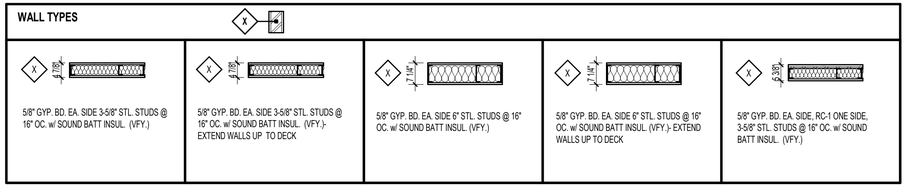
BANK EQUIPMENT KEYED LIST (N.I.C. PROVIDED AND INSTALLED BY OWNER'S EQUIPMENT VENDOR, GC TO COORDINATE OPENING HEIGHTS, SIZES, AND POWER/DATA REQUIREMENTS)

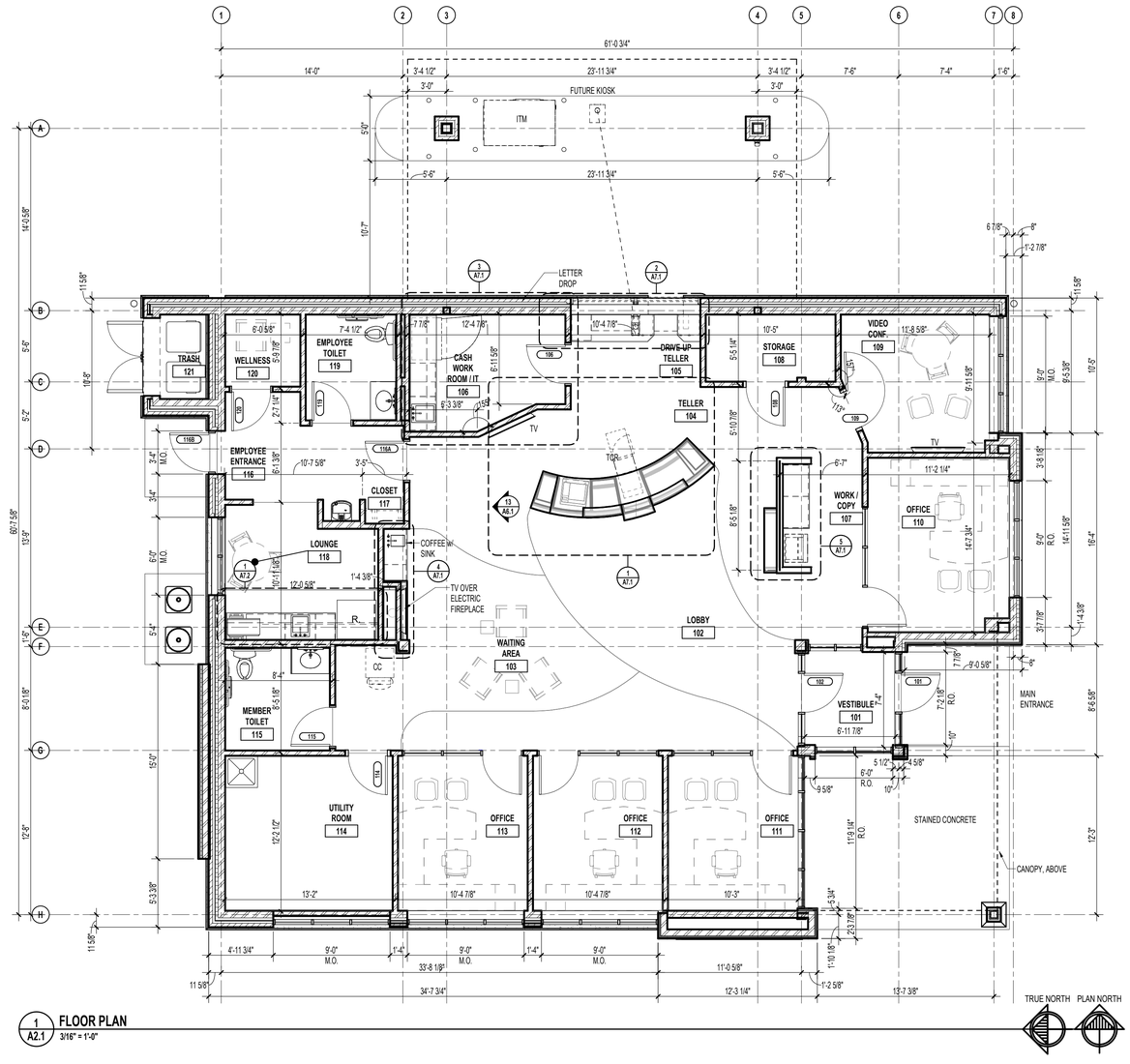
NO.	DESCRIPTION

GENERAL NOTES:

1. CONTACT ARCHITECT IMMEDIATELY IF CONFLICTS ARISE w/ INSTALLATION OF ACCESSORIES & EQUIPMENT. NO CHANGES ACCEPTABLE UNLESS SHOWN ON PLAN OR APPROVED BY ARCHITECT.
2. MOUNT FIRE EXTINGUISHER CABINETS @ 5'-0" A.F.F. TO TOP OF CABINET. FINAL LOCATIONS TO BE VERIFIED BY LOCAL FIRE CHIEF.
3. GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY BLOCKING IN WALLS FOR WALL-HUNG ITEMS (CABINETS, SHELVING, COUNTERTOPS, ... etc.)
4. ALL MECHANICAL, ELECTRICAL AND PLUMBING BY DESIGN BUILD CONTRACTOR.
5. ALL STOOP SLABS AND APRONS TO BE POURED WITH SIDEWALK TO MATCH FINISH, TOOLING, & JOINTS
6. ACT CEILING TO BE CENTERED IN EACH TOILET ROOM.
7. FUR OUT WALLS AROUND ROOF DRAIN RAIN WATER LEADER (RD. RWL.) & OVERFLOW ROOF DRAIN RAIN WATER LEADER (OD. RWL.) w/ 5/8" GYP. BD. ON 2 1/2" STL. STUDS- VFY. LOCATIONS w/ MECH.
8. INTERIOR COLUMNS TO BE FINISHED w/ 5/8" GYP. BD. ON 7/8" STL. FURRING CHANNELS w/ MTL. J-BEADS @ EACH CORNER- SEE ENLARGED DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL COLUMN SIZES.
9. FUR OUT WALLS AROUND ROOF DRAIN RAIN WATER LEADER (RD. RWL.) & OVERFLOW ROOF DRAIN RAIN WATER LEADER (OD. RWL.) w/ 5/8" GYP. BD. ON 2 1/2" STL. STUDS- VFY. LOCATIONS w/ MECH.
10. INTERIOR PARTITIONS SHALL BE 3-5/8" STL. STUDS @ 16" O.C. w/ 5/8" GYP. BD. ON EA. SIDE EXTENDED 4" ABOVE CEILING-UNLESS NOTED OTHERWISE. SEE WALL TYPES ON SHEET
11. INTERIOR COLUMNS TO BE FINISHED w/ 5/8" GYP. BD. ON 7/8" STEEL FURRING CHANNELS w/METAL J-BEADS @ EACH CORNER - SEE ENLARGED DETAILS. REFER TO STRUCTURAL DRAWINGS FOR STEEL COLUMN SIZES.
12. ALL OFFICES, BOARD ROOM, BREAK ROOM, AND COMMUNITY ROOM WALLS TO EXTEND TO DECK WITH SOUND BATT INSULATION
13. INSTALL ALL DOOR FRAMES 3" OFFSET FROM ADJACENT WALL FINISH FACES UNLESS NOTED OTHERWISE
14. FURNITURE BY OWNER SHOWN WITH DASHED LINEWORK
15. ALL INTERIOR WALLS DIMENSIONED TO GYP. BD. FINISH FACE U.N.O.
16. DOORS WITH MARKING "CR" INDICATE THE SIDE OF THE DOOR TO RECEIVE SECURE ACCESS CREDENTIAL READER - SEE DOOR SCHEDULE

WALL TYPES





1 A2.1 **FLOOR PLAN**
3/16" = 1'-0"

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MAIN LEVEL FLOOR PLAN

Drawn By: DRW Checked By: CHK

A2.1

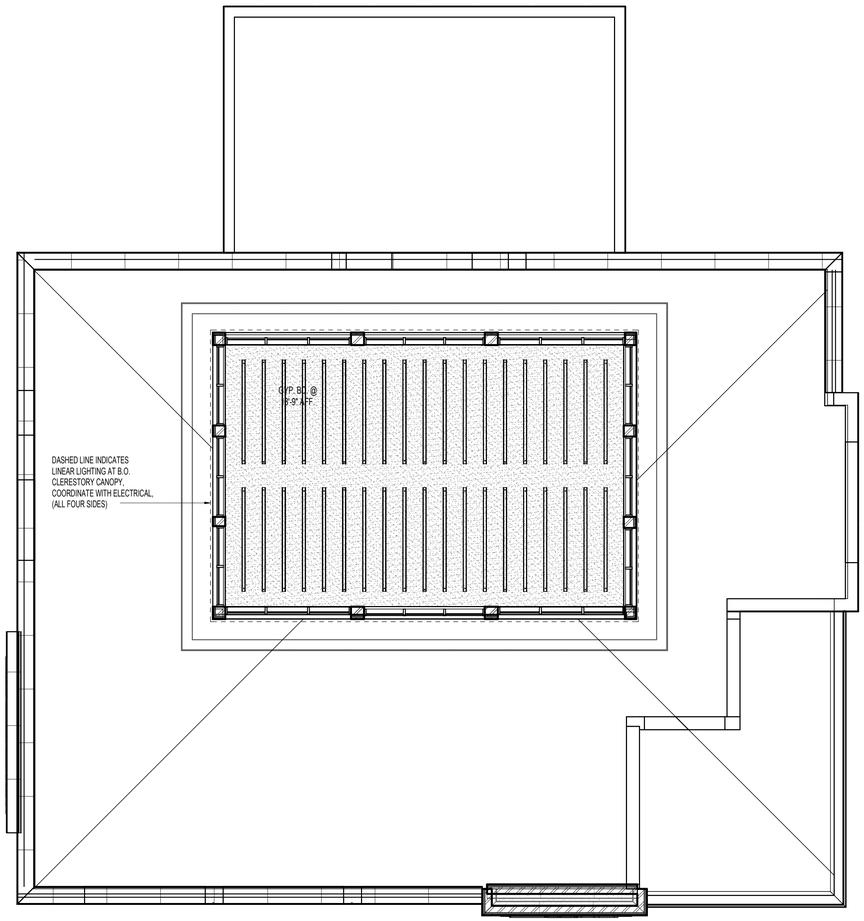
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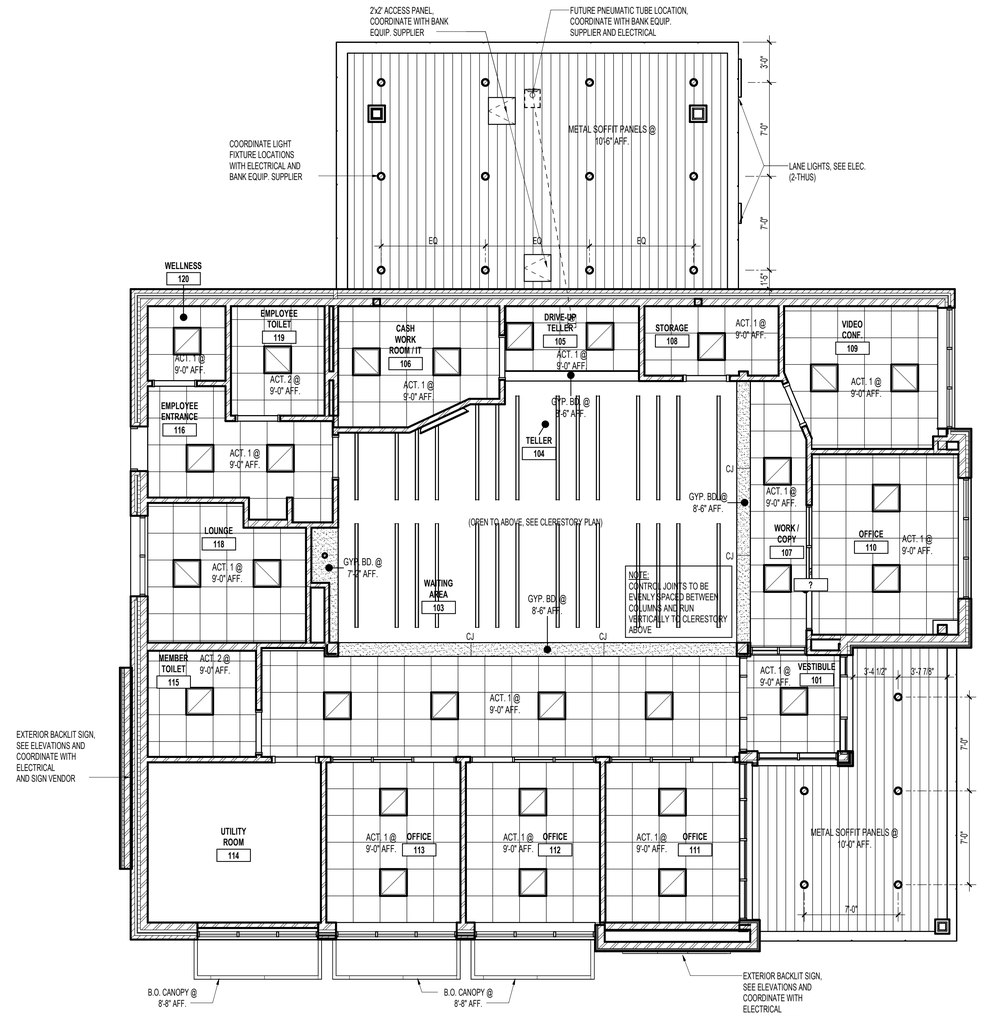
00	KEYED CEILING PLAN NOTES
NO.	DESCRIPTION

REFLECTED CEILING PLAN LEGEND

- GYP. BD. CEILING SOFFIT w/ PAINT FINISH - SEE SPEC...
- ACT. 1 - 2'X2' SUSPENDED CEILING GRID w/ 2'x2' PAINTED MINERAL FIBER PANELS
- ACT. 2 - 2'x4' SUSPENDED CEILING GRID w/ 2'x4' PAINTED MINERAL FIBER PANELS
- ACT. 3 - 4'x4' SUSPENDED CEILING GRID w/ 4'x4' PAINTED MINERAL FIBER PANELS
- 8" VENTED PREFINISHED FLUSH LINEAR METAL CEILING SYSTEM
- 2'X2' RECESSED FLUORESCENT LT. FIXTURE
- ?
- ?
- ?
- ?
- EXIT LIGHT - SINGLE-SIDED
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING RETURN - SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- 2'X2' CEILING DIFFUSER- SEE MECHANICAL
- JUNCTION BOX, CEILING MOUNTED
- CEILING MOUNTED FOURPLEX RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTABLE



3 A2.2 **CLERESTORY RCP**
3/16" = 1'-0"



1 A2.2 **MAIN LEVEL RCP**
3/16" = 1'-0"

TRUE NORTH PLAN NORTH

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MAIN LEVEL REFLECTED CEILING PLAN

Drawn By: Author Checked By: Checker

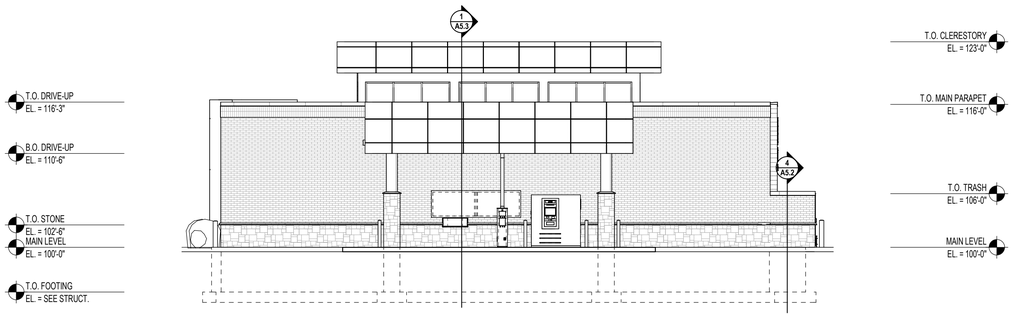
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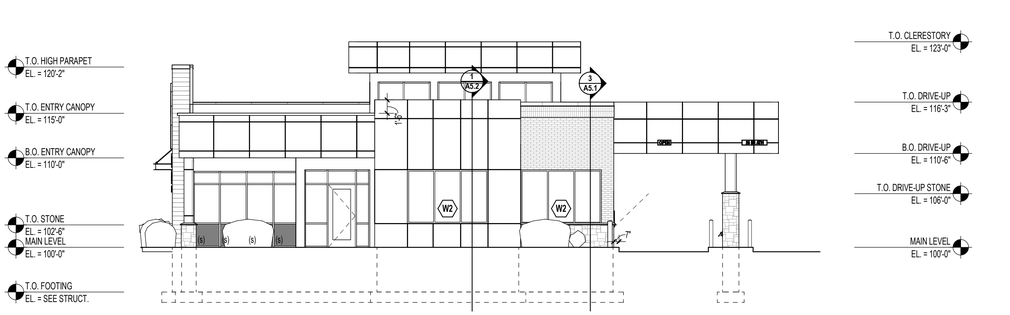
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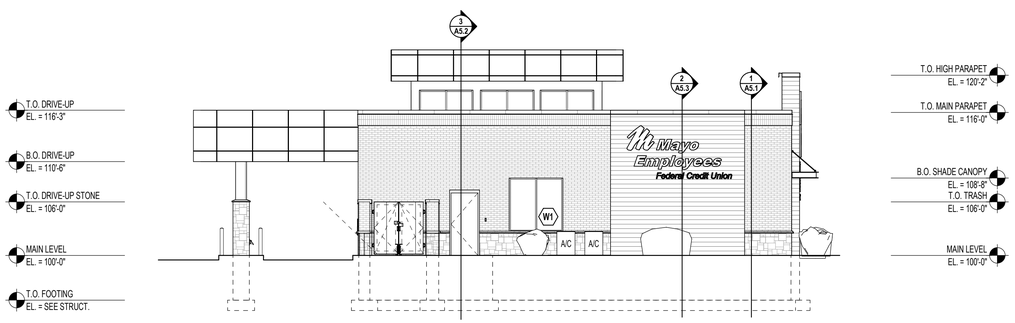
00	KEYED NOTES - EXTERIOR ELEVATION
NO.	DESCRIPTION



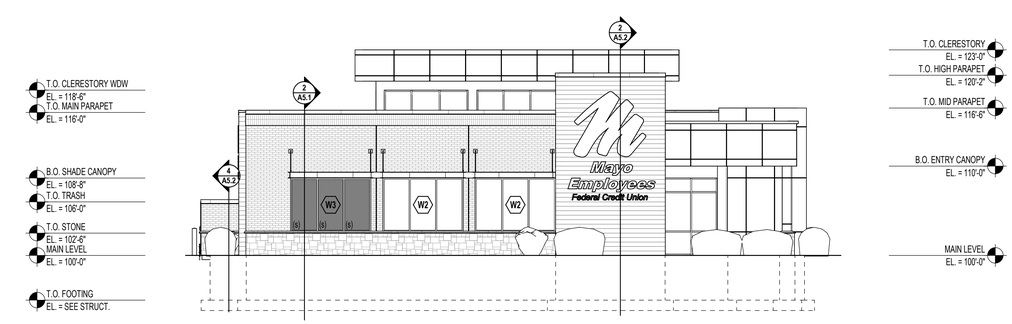
1 A3.1 **NORTH ELEVATION**
1/8" = 1'-0"



2 A3.1 **EAST ELEVATION**
1/8" = 1'-0"



3 A3.1 **WEST ELEVATION**
1/8" = 1'-0"



4 A3.1 **SOUTH ELEVATION**
1/8" = 1'-0"

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EXTERIOR ELEVATIONS

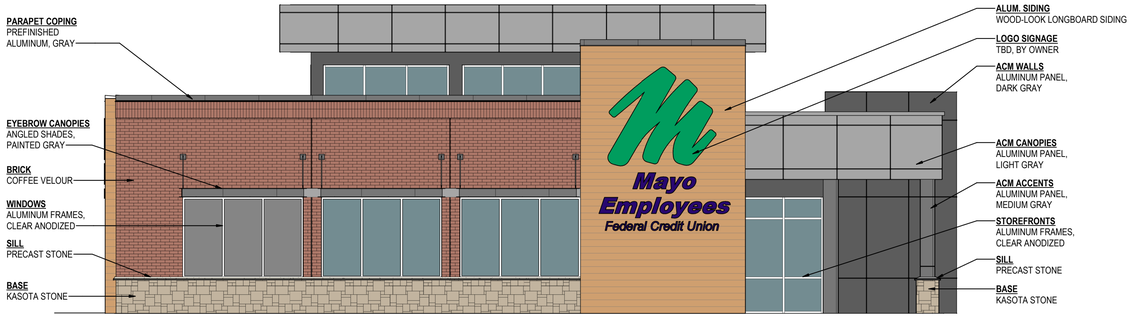
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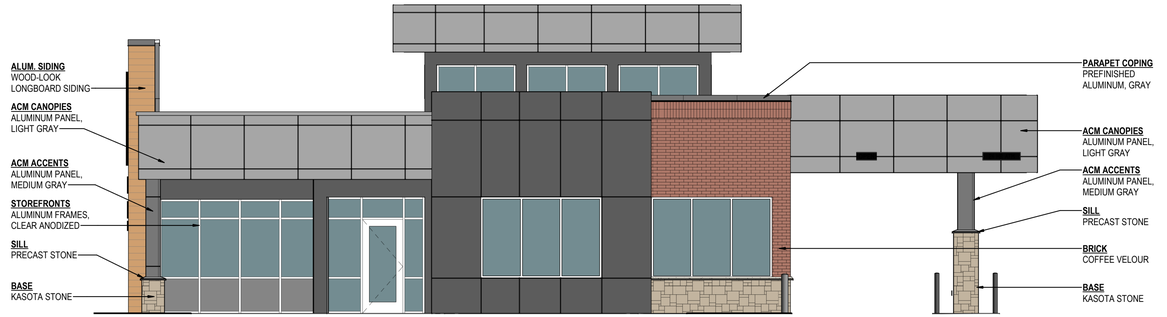
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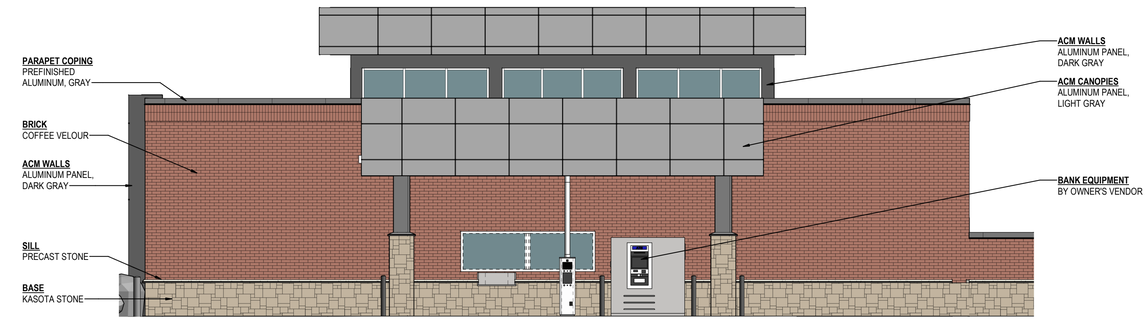
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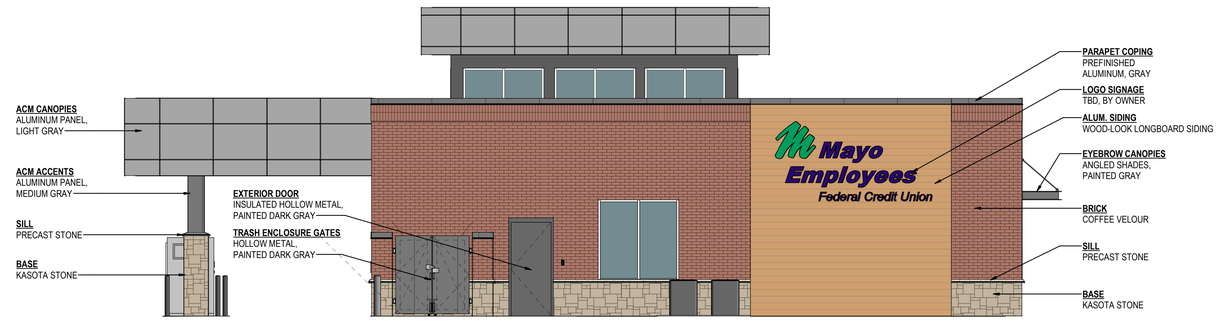
1 SK4 **OPTION A - EXTERIOR ELEVATION - WEST**
3/16" = 1'-0"



2 SK4 **OPTION A - EXTERIOR ELEVATION - SOUTH**
3/16" = 1'-0"



3 SK4 **OPTION A - EXTERIOR ELEVATION - EAST**
3/16" = 1'-0"



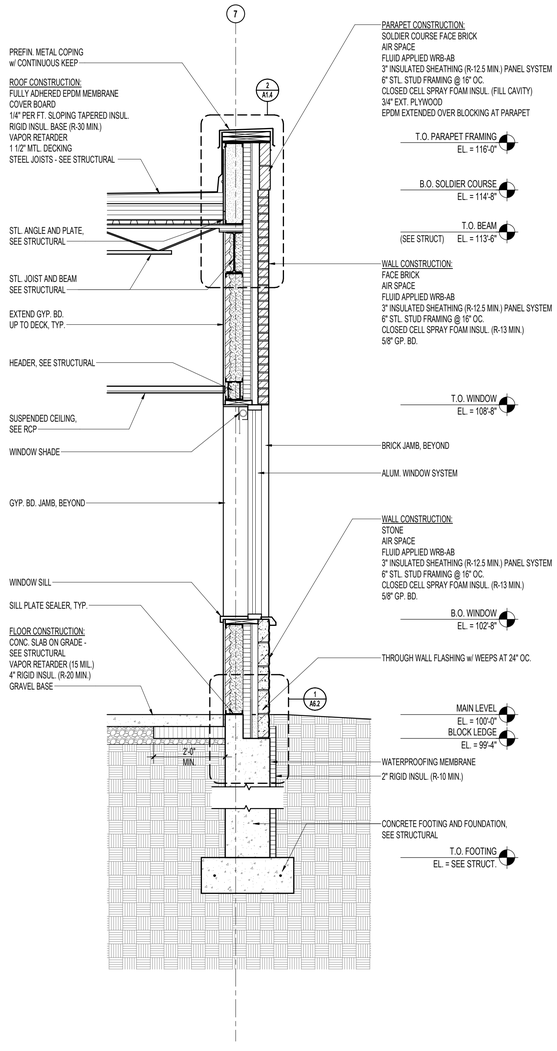
4 SK4 **OPTION A - EXTERIOR ELEVATION - NORTH**
3/16" = 1'-0"

SK4

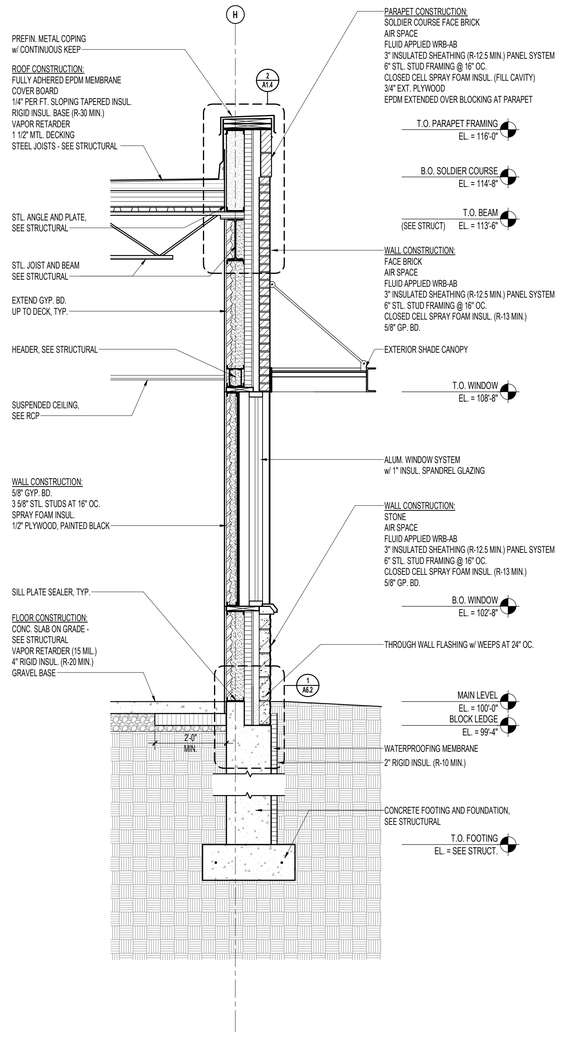
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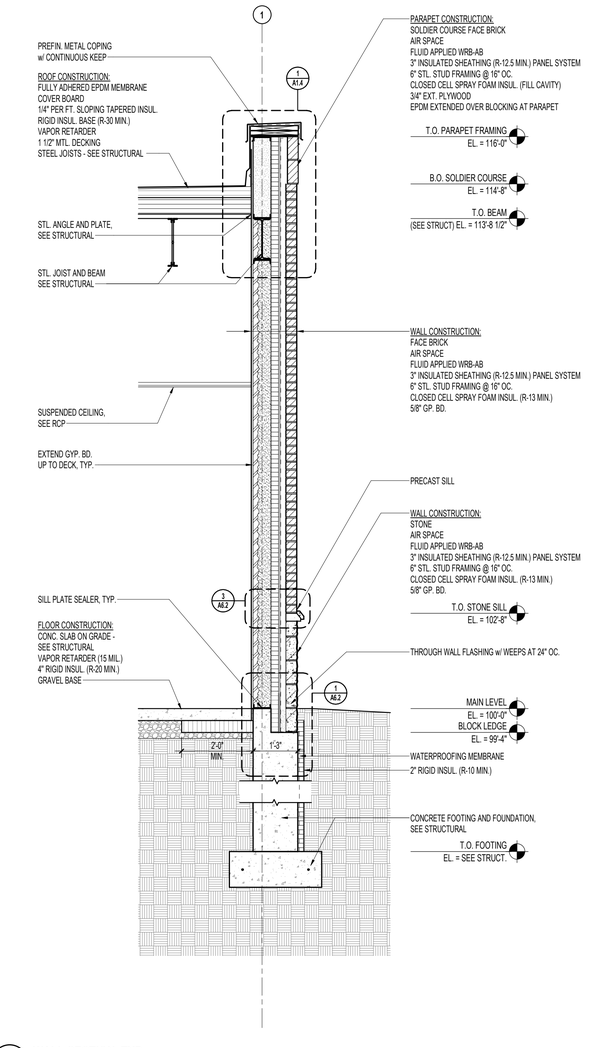
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3 A5.1 **WALL SECTION, WINDOW**
1/2" = 1'-0"



2 A5.1 **WALL SECTION, WINDOW, SPANDREL**
1/2" = 1'-0"



1 A5.1 **WALL SECTION, TYP.**
1/2" = 1'-0"

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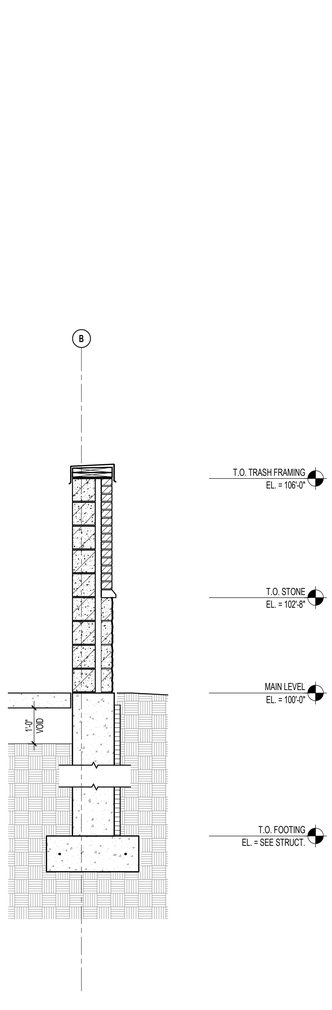
WALL SECTIONS

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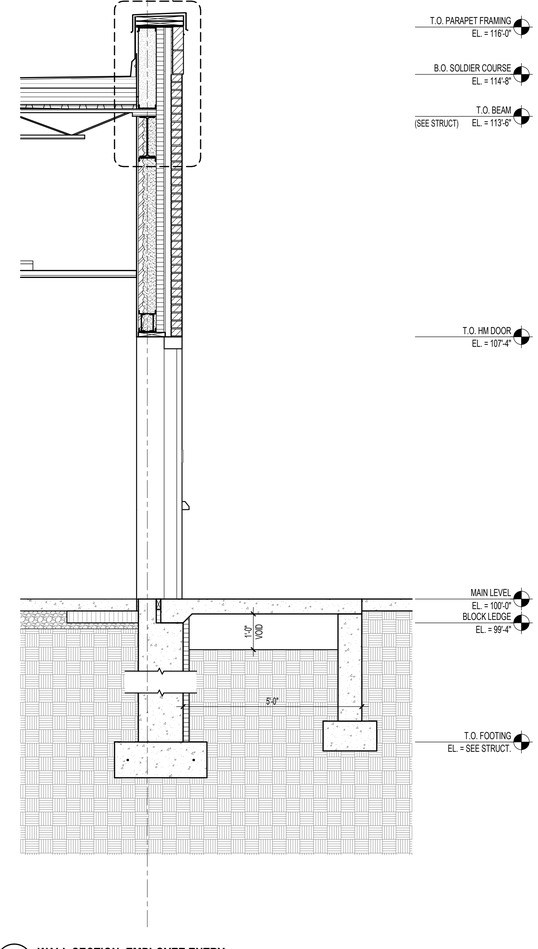
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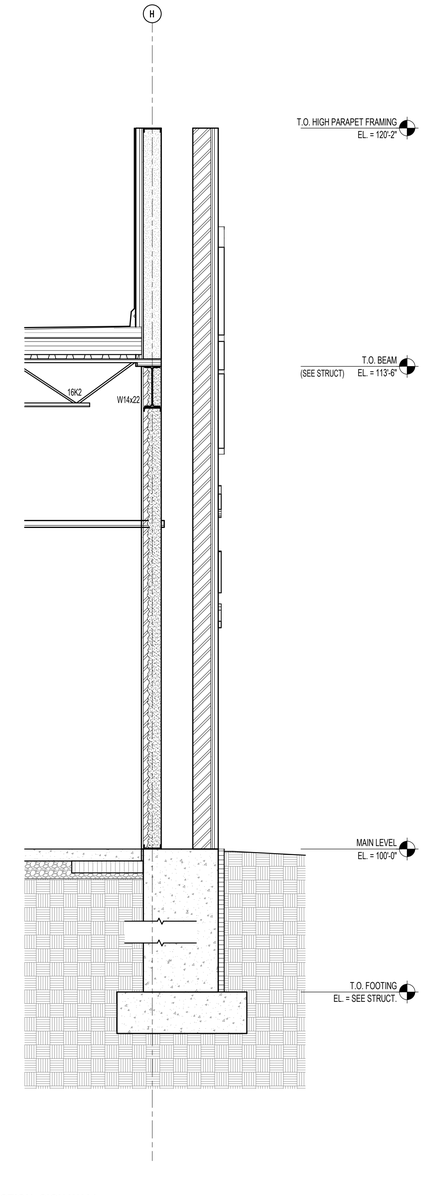
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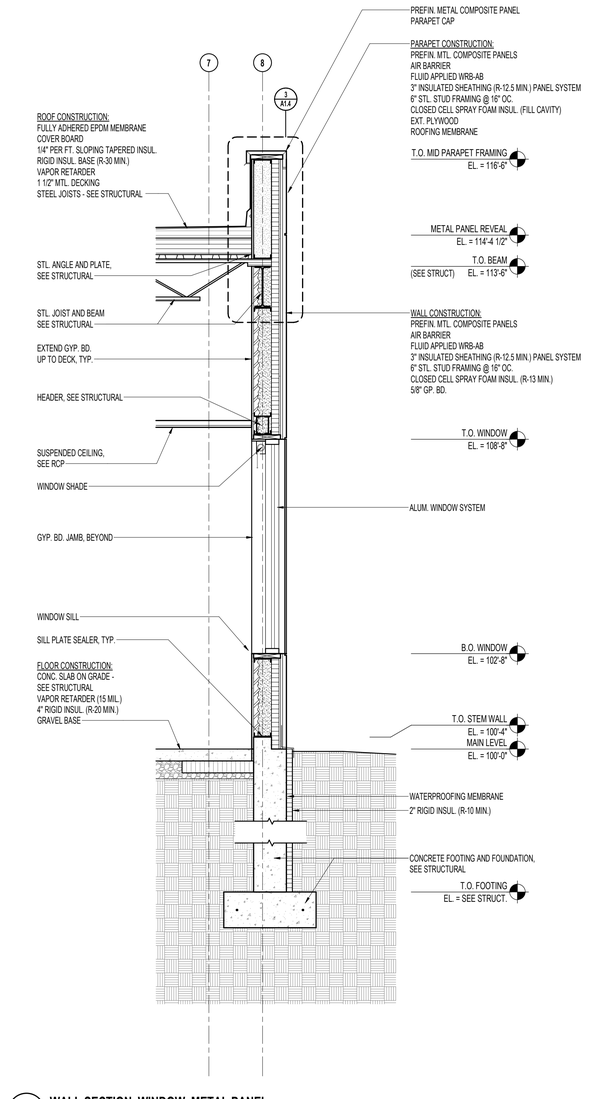
4 A5.2 **WALL SECTION, TRASH ENCLOSURE**
1/2" = 1'-0"



3 A5.2 **WALL SECTION, EMPLOYEE ENTRY**
1/2" = 1'-0"



2 A5.2 **WALL SECTION, SIGN WALL**
1/2" = 1'-0"



1 A5.2 **WALL SECTION, WINDOW, METAL PANEL**
1/2" = 1'-0"

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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET	3/27/26
REVISIONS	

DATE	NO	

SEAN C. RABOIN
47337 3/27/26
Reg No. Date

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WALL SECTIONS

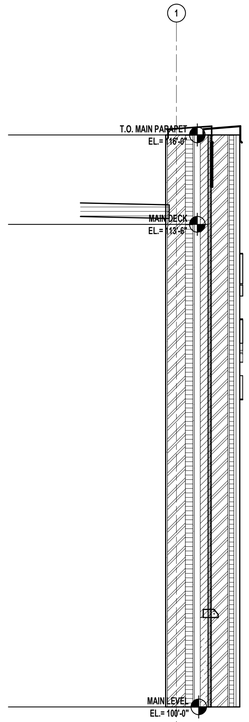
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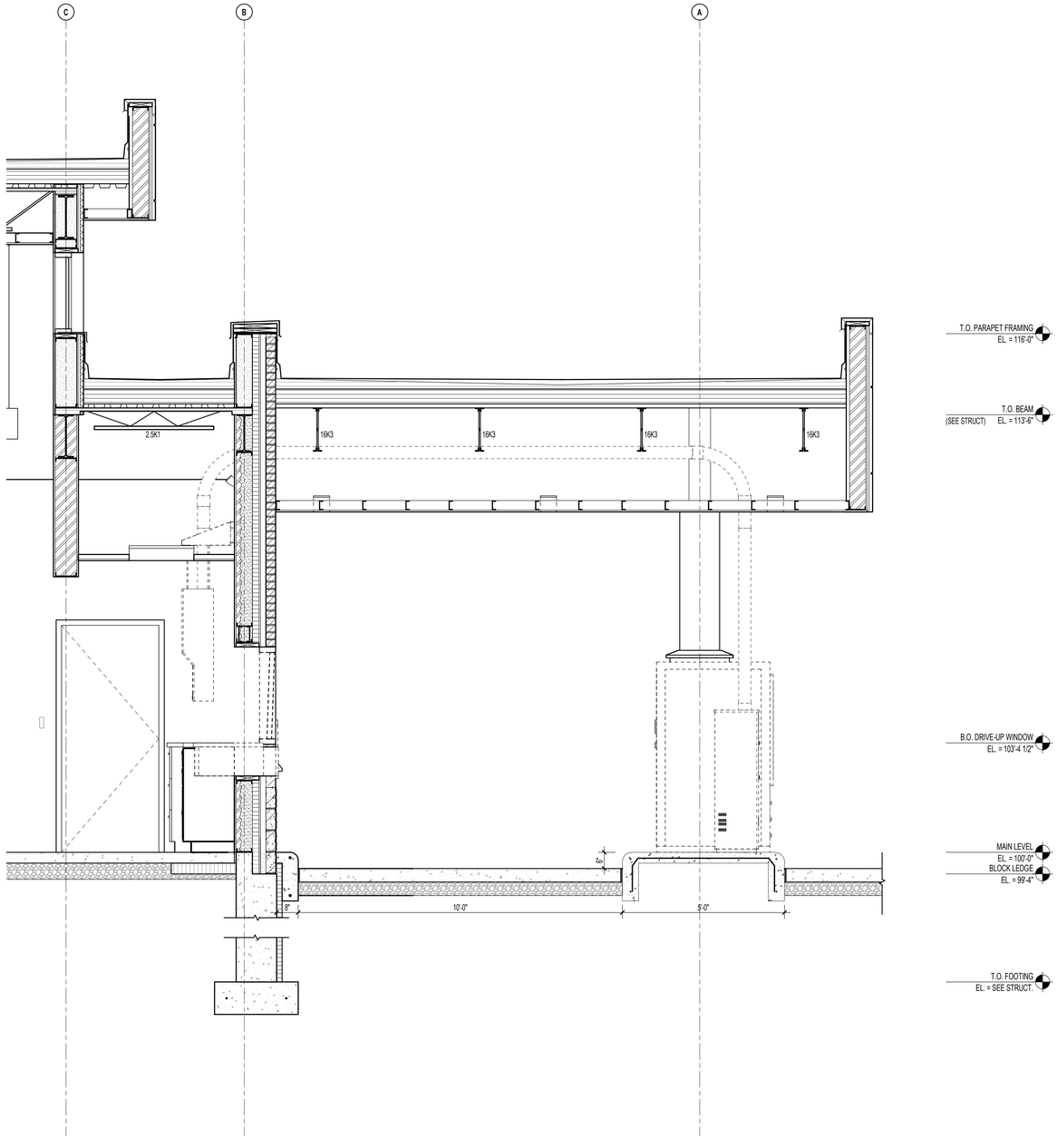
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2 A5.3 **WALL SECTION AT DOUBLE WALL**
1/2" = 1'-0"



1 A5.3 **SECTION AT DRIVE-UP**
1/2" = 1'-0"

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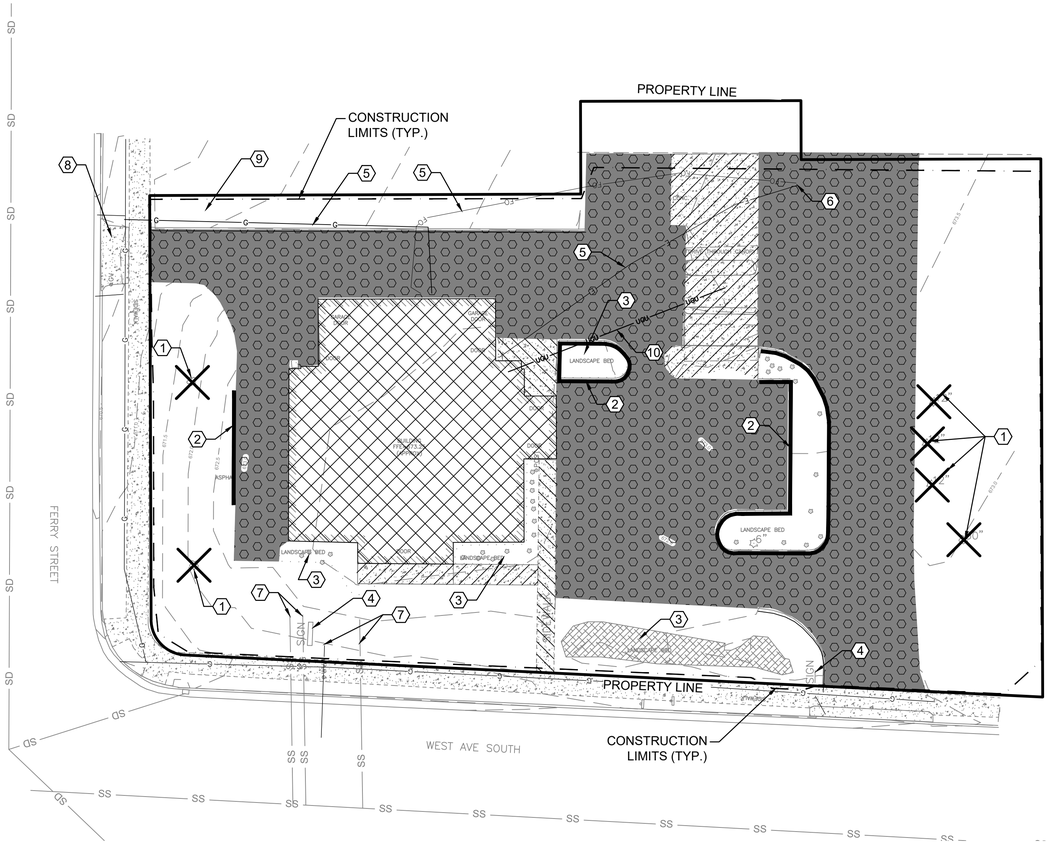
WALL SECTIONS

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CALL 48 HOURS BEFORE DIGGING:

DIGGERS HOTLINE

(800) 242-8511

N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND UTILITY
- SAWCUT LINE
- REMOVE EXISTING CONCRETE C&G
- REMOVE BITUMINOUS PAVEMENT
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING BUILDING
- REMOVE EXISTING TREE

DEMOLITION NOTES

1. UTILITIES SHOWN HERE ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN THEIR ACCURACY. VERIFY WORK. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
2. CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATOR AS NECESSARY TO VERIFY UNDERGROUND UTILITIES. UTILITIES SHOWN ON PLANS MAY VARY FROM EXISTING CONDITIONS, AND CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITY LINES SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY.
3. ALL UNDERGROUND UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON SITE. CALL WISCONSIN ONE-CALL AT 800-242-8511 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO SCHEDULE UTILITY LOCATIONS FOR THIS SITE. CONTRACTOR TO REPAIR ANY DAMAGED UNDERGROUND UTILITIES DURING CONSTRUCTION AT NO COST TO OWNER.
4. CONTRACTOR SHALL PROVIDE DIGITAL RECORD OF ALL EXISTING CONDITIONS TO REMAIN IN PLACE THAT MAYBE DAMAGED CAUSED BY REGULAR CONSTRUCTION OPERATIONS.
5. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS, SIZE, AND TYPE OF ALL SANITARY, STORM, AND WATERMAIN CONNECTION LOCATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER & OWNER OF DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION, REMOVAL, AND DISPOSAL.
7. ALL MATERIAL DESIGNATED FOR REMOVAL TO BECOME PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL HAUL MATERIAL OFF-SITE AND DISPOSE IN A RESPONSIBLE MANNER.
8. CONTRACTOR TO COORDINATE WITH SMALL UTILITY OWNER FOR REMOVAL/REPLACEMENT WORK.
9. CONTRACTOR TO REVIEW ALL TREE AND OTHER SIGNIFICANT LANDSCAPE REMOVAL LIMITS WITH OWNER PRIOR TO CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING TREE (TYP)
2. REMOVE EXISTING CONCRETE CURB & GUTTER
3. REMOVE LANDSCAPE AREAS. REFER TO SITE GEOTECHNICAL REPORT FOR MORE INFORMATION ON SUBGRADE ORGANIC REMOVALS.
4. REMOVE EXISTING SIGN.
5. REMOVE AND RELOCATE UNDERGROUND ELECTRIC, GAS, AND FIBER OPTIC LINES. CONTRACTOR TO COORDINATE WITH RESPECTIVE SMALL UTILITY OWNER ON RELOCATED LOCATION.
6. REMOVE EXISTING POWER POLE
7. CONTRACTOR TO REMOVE EXISTING BUILDING WATER AND SANITARY SERVICE TO PROPERTY LINE. BEFORE CONSTRUCTION ACTIVITIES BEGIN, FIELD VERIFY VIA EXCAVATION OR PRIVATE UTILITY LOCATE EXACT LOCATION OF WATER AND SANITARY SEWER CONNECTION TO CITY INFRASTRUCTURE. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF DISCREPANCIES FROM THE PLANS ARE FOUND.
8. CONTRACTOR TO COORDINATE WITH CITY ON APRON AND SIDEWALK INSTALLATION WITH TIMING TO STREET RECONSTRUCTION
9. CLEAR AND GRUB EXISTING TREE LINE PER OWNERS DIRECTION
10. CONTRACTOR TO LOCATE AND REMOVE EXISTING 32" TUBE SYSYTEM ENTIRELY

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026

REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 REG. NO. 03/02/2026 DATE

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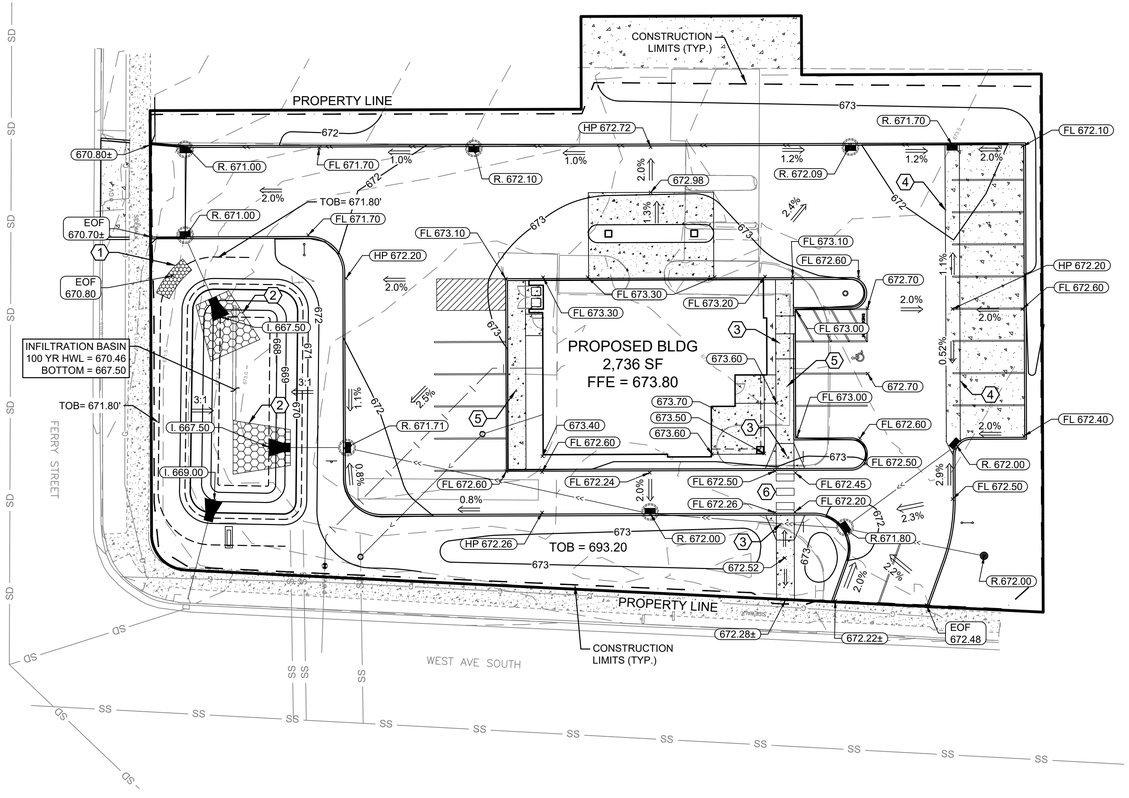
DEMOLITION PLAN

DRAWN BY: BN CHECKED BY: BF

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0 20' 40'

LEGEND

	PROPERTY LIMITS
	CONSTRUCTION LIMITS
672	EXISTING MINOR CONTOUR
670	EXISTING MAJOR CONTOUR
672	PROPOSED MINOR CONTOUR
670	PROPOSED MAJOR CONTOUR
2.0%	DRAINAGE ARROW
	PROPOSED CONCRETE C&G

SPOT ELEVATION KEY

±	EXISTING GRADE
FL	GUTTER FLOW LINE
HP	HIGH POINT ELEVATION
R	RIM ELEVATION
I	INVERT ELEVATION
EOF	EMERGENCY OVERFLOW ELEVATION
FFE	FINISHED FLOOR ELEVATION
TOB	TOP OF BEARM ELEVATION

CONTRACTOR NOTES

1. DISTURBED AREA IS EQUAL TO 0.77 ACRES. WISCONSIN DNR STORMWATER PERMIT WILL NOT BE REQUIRED FOR THIS PROJECT.
2. PROPOSED SPOT ELEVATIONS ARE TO TOP OF FINISHED SURFACE UNLESS OTHERWISE NOTED IN LEGEND.
3. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES. LOCATIONS OF UTILITIES SHOWN BASED ON SURVEY AND AS-BUILT INFORMATION AND MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR UTILIZING UTILITY LOCATES PRIOR TO STARTING ANY WORK.
4. SEE SHEET C3 FOR EROSION AND SEDIMENT CONTROL PLAN.

KEY NOTES

1. INSTALL RIP-RAP AT OVERFLOW PER WISDOT SPEC SECTION 606
2. INSTALL RIP-RAP AT FES LOCATIONS PER WISDOT SPEC SECTION 606
3. INSTALL ACCESSIBLE PEDESTRIAN RAMP
4. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER
5. SIDE WALK TO TIP AWAY FROM BUILDING AT A MINIMUM OF 1.8% UNLESS NOTED OTHERWISE
6. PEDESTRIAN CROSS WALK. MAINTAIN CROSS SLOPE OF 2.0% MAXIMUM. SEE ARCHITECTURE PLANS FOR MORE DETAILS.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

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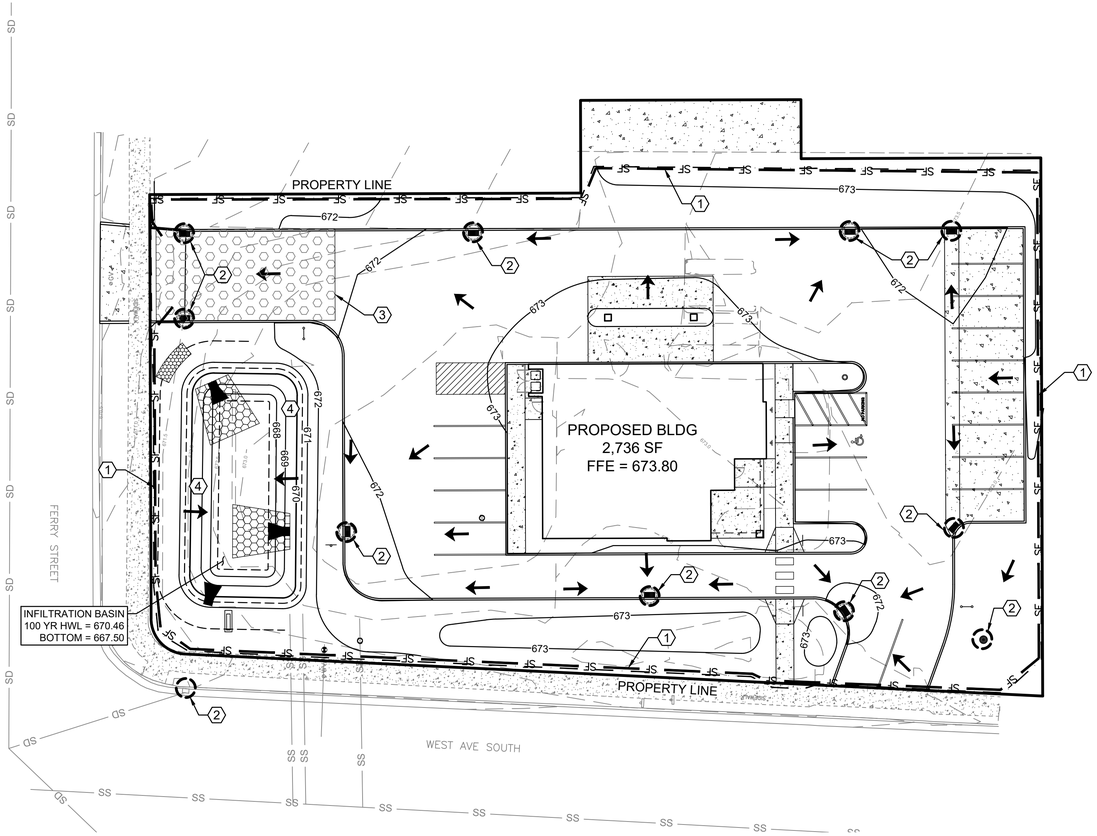
GRADING & DRAINAGE PLAN

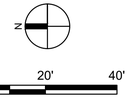
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LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- DRAINAGE ARROW
- SF SILT FENCE
- INLET PROTECTION
- ROCK ENTRANCE
- BIO-ROLL

KEY NOTES

1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THEDURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE EXPOSED CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE. (Rev. February 2017)
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. (Rev. February
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
15. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE CITY OR OWNER. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRITE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: https://dnr.wi.gov/botw
29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS.. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

ITEM	INSTALLATION	INSPECTION & MAINTENANCE	REMOVAL
SILT FENCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED.	AFTER TRIBUTARY DRAINAGE AREA IS RESTORED.
ROCK CONST. ENTRANCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT REGULARLY. MAINTAIN AS NEEDED.	PRIOR TO PAVING.
SEED & MULCH	AFTER POND GRADING IS COMPLETED.	INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY	NO REMOVAL NECESSARY.
INLET PROTECTION	UPON INLET CONSTRUCTING	WHEN 1/3 CAPACITY OF BMP IS REACHED	AFTER TRIBUTARY AREAS ARE FULLY RESTORED

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ADDITION/REMODELING

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ERIC SAUTBINE, P.E.

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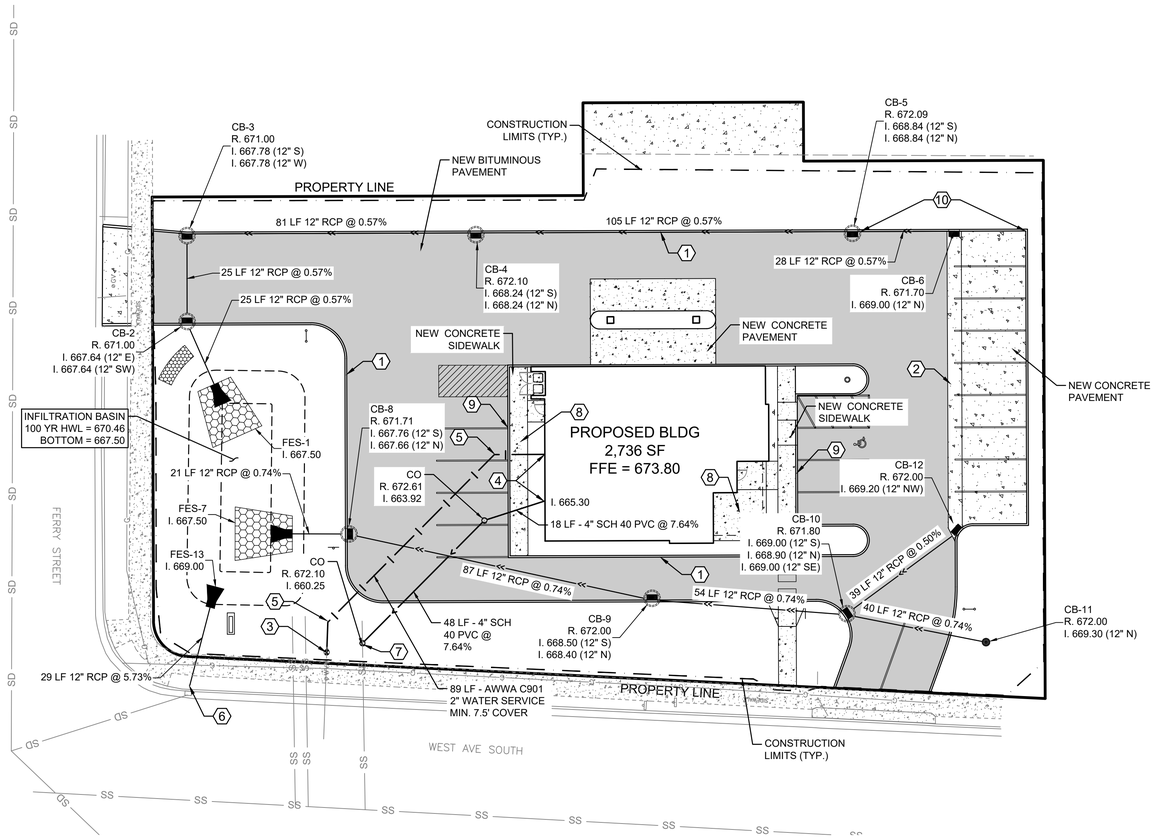
EROSION & SEDIMENT CONTROL PLAN

DRAWN BY: BN CHECKED BY: BF

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STRUCTURE SCHEDULE		
STRUCTURE NO.	SIZE	CASTING & NOTES (NEEHAN)
FES–1	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–2	48" ROUND	R–3067–V
CB–3	48" ROUND	R–3067–V
CB–4	48" ROUND	R–3067–V
CB–5	48" ROUND	R–3067–V
CB–6	2'X3' REC	R–3067–V
FES–7	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–8	48" ROUND	R–3067–V
CB–9	48" ROUND	R–3067–V
CB–10	48" ROUND	R–3067–V
CB–11	48" ROUND	R–2501
CB–12	48" ROUND	R–3067–V
FES–13	12" ROUND	INSTALL TRASH GUARD

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- BITUMINOUS PAVMENT
- CONCRETE WALK / PAVEMENT
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLETS

KEY NOTES

1. PROPOSED STANDARD CONCRETE CURB & GUTTER
2. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER
3. INSTALL NEW 2" CURB STOP. CONTRACTOR TO VERIFY EXISTING SERVICE SIZE.
4. UTILITY SERVICE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL PLAN OR MASTER PLUMBER PRIOR TO INSTALLATION.
5. INSTALL 45° BEND AS SHOWN
6. CONNECT TO EXISTING MANHOLE VIA CORE DRILL AT ELEVATION 667.32±. REMOVE AND REPLACE CONCRETE WALK WITHIN ROW PER CITY STANDARDS.
7. CONNECT TO EXISTING SANITARY SERVICE AT ELEVATION 660.25±
8. CONCRETE WALK TO BE INSTALLED WITH SNOW MELT SYSTEM. SEE MECHANICAL FOR DETAILS
9. CONCRETE SIDEWALK AND CONCRETE GUTTER TO BE ONE MONOLITHIC POUR.
10. PROPOSED ROLL CURB CONCRETE CURB & GUTTER

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND PER THE GEOTECHNICAL REPORT UNLESS DIRECTED OTHERWISE.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE 2023 EDITION OF WISDOT SPECIFICATIONS, UNLESS DIRECTED OTHERWISE.
3. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY, DEPT. OF HEALTH, AND WISDOT PERMITS. VERIFY RECEIPT OF ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
4. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION PROVIDED BY THE OWNER ON A SURVEY PREPARED BY REAL LAND SURVEYING. BE ADVISED THAT THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND DEPTH OF ALL UNDERGROUND UTILITIES.
5. ALL HANDICAPPED STALLS AND ACCESS RAMPS SHALL COMPLY WITH CURRENT ADA STANDARDS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF BUILDING ENTRANCES.
6. WATER LINES ARE REQUIRED TO BE INSTALLED AT 7.5 FEET MINIMUM DEPTH AND PROVIDE MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER. WATERMAIN TO BE INSULATED STATE SPECIFICATIONS, WHERE COVER DEPTHS CANNOT BE ACHIEVED. CONTRACTOR SHALL CONTACT THE ENGINEER IF THERE ARE AREAS WHERE MINIMUM COVER DEPTH CANNOT BE MET.
7. WATER SERVICE MATERIALS SHALL BE AWWA C901. CONTRACTOR SHALL VERIFY SERVICE SIZE AND MATERIALS PRIOR TO CONSTRUCTION.
8. SANITARY SEWER PIPE MATERIALS SHALL BE SCH 40 PVE. PIPE SHALL BE INSULATED PER STATE STANDARDS WHERE 7.5 FOOT COVER DEPTHS ARE NOT ACHIEVED.
9. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE WATER TIGHT. APPROVED RESILIENT RUBBER JOINTS MUST BE USED MEETING ASTM F2510 TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES AND CATCH BASINS. DO NOT GROUT OVER FLEXIBLE CONNECTIONS TO MANHOLES.
10. CONTRACTOR TO PROVIDE TRACER WIRE FOR ALL NON-METALLIC PIPE PER CITY OF LA CROSSE STANDARDS.
11. STORM SEWER TO BE RCP CONFORMING TO ASTM C76 CLASS III MINIMUM UNLESS NOTED OTHERWISE. JOINTS SHALL BE RUBBER GASKETED BELL AND SPIGOT MEETING ASTM C443. PIPE SHALL BE MANUFACTURED BY A NPCA OR ACPA CERTIFIED PLANT.
12. INSTALL PER WISDOT STANDARD SPECIFICATIONS SECTION 520 AND APPLICABLE STANDARD DETAIL DRAWINGS. PROVIDE CLASS B BEDDING MINIMUM UNLESS OTHERWISE SHOWN. COMPACT GRANULAR BACKFILL TO 95% STANDARD PROCTOR WITHIN THE PIPE ZONE. M AINTAIN LINE AND GRADE. WATERTIGHT JOINTS REQUIRED.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

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NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 — REG. NO.
03/02/2026 — DATE

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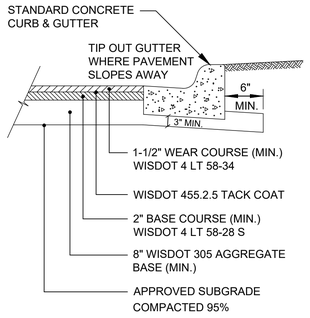
UTILITY & PAVING PLAN

DRAWN BY: BN CHECKED BY: BF

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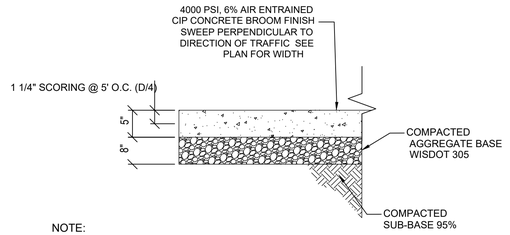
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NOTE:

1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

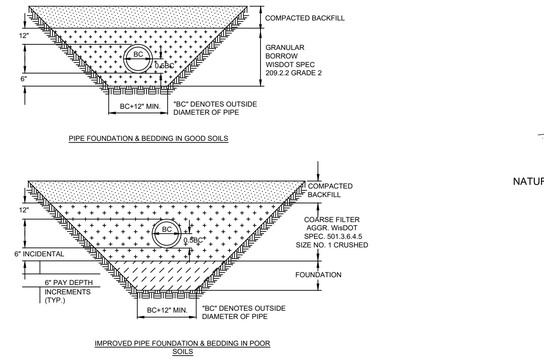
1 BITUMINOUS PAVEMENT SECTION
SCALE:N.T.S.



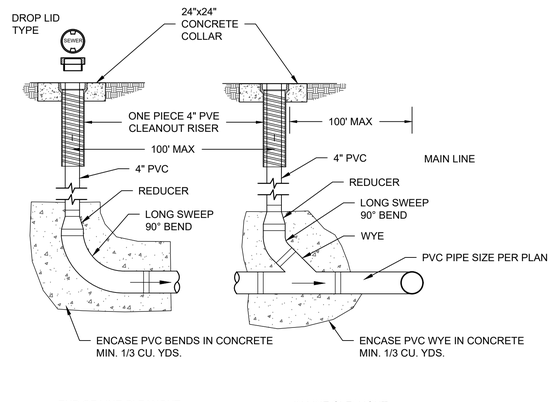
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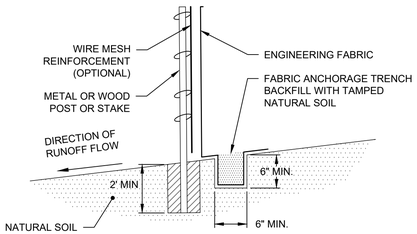
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2 CONCRETE PAVEMENT SECTION
SCALE:N.T.S.



3 PVC SEWER BEDDING
SCALE:N.T.S.

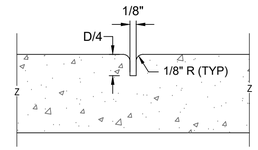




NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES.

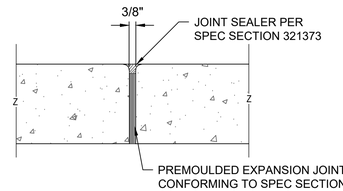
TYPICAL INSTALLATION

5 TYPICAL SILT FENCE DETAIL
SCALE:N.T.S.



CONTROL JOINT

PROVIDE CONTROL JOINTS PER MANUFACTURER RECOMMENDATIONS.

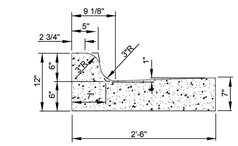


EXPANSION JOINT

PROVIDE EXPANSION JOINTS AT BUILDING AND CONCRETE STOOP INTERFACE, AS WELL AS EVERY 24 FEET OF CONTINUOUS SIDEWALK AND AT SIDEWALK INTERSECTIONS.

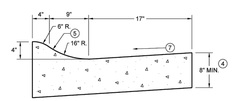
NOTE: JOINTS CAN BE SAW CUT.

9 JOINTING DETAIL
SCALE:N.T.S.



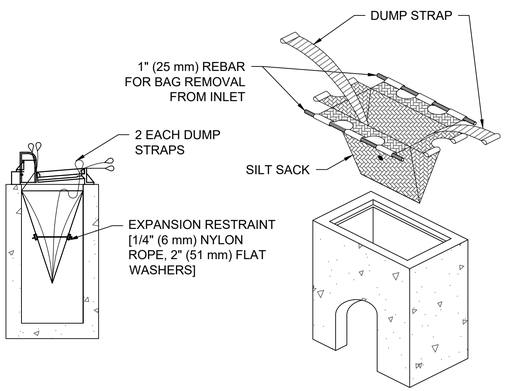
NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.

13 STANDARD CURB AND GUTTER SECTION
SCALE:N.T.S.

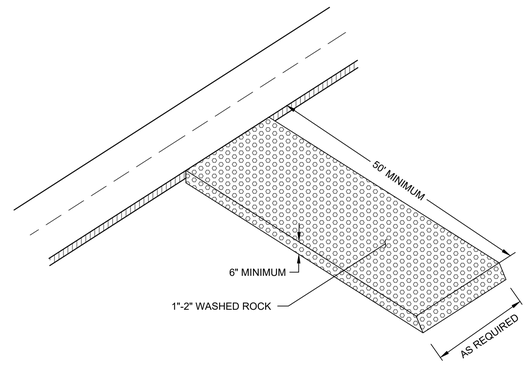


NOTE: SEE WI DOT DETAIL SHEET SDD08D01 FOR MORE INFORMATION.

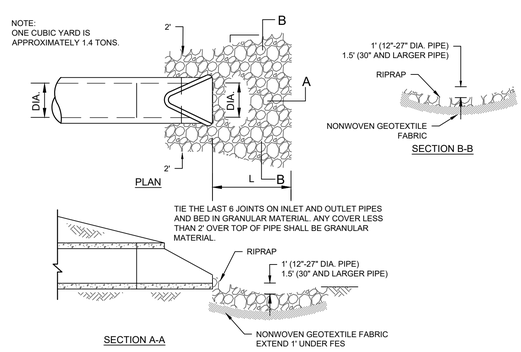
14 ROLL CURB AND GUTTER SECTION
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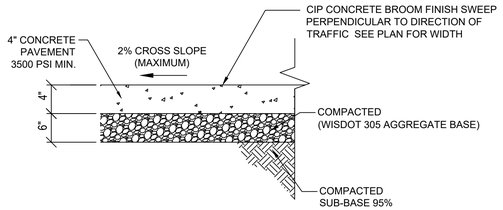
6 TYPICAL INLET PROTECTION DETAIL
SCALE:N.T.S.



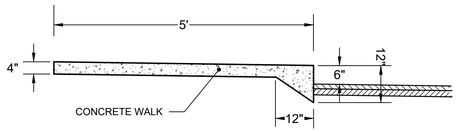
7 ROCK CONSTRUCTION ENTRANCE DETAIL
SCALE:N.T.S.



10 FLARED END SECTION
NTS



11 CONCRETE WALK SECTION
SCALE:N.T.S.



12 MONOLITHIC CURB AND SIDEWALK
SCALE:N.T.S.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

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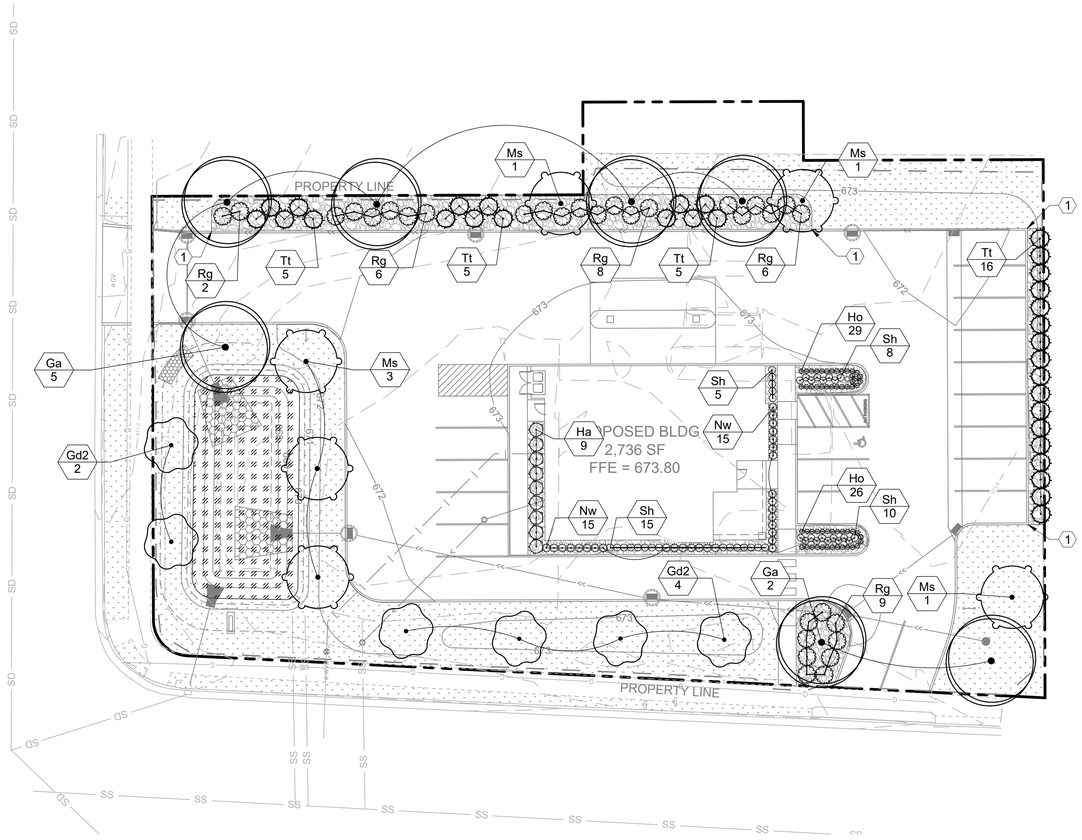
CIVIL DETAILS

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0 20' 40'

LEGEND

- PROPERTY LIMITS
- 966 PROPOSED MINOR CONTOUR
- 965 PROPOSED MAJOR CONTOUR
- SOD WITH IRRIGATION
- WET DETENTION SEED MIX
- 3" DEEP ROCK MULCH W/ LANDSCAPE FABRIC
- METAL EDGER

NOTES

1. PER CITY OF LA CROSSE, IRRIGATION IS REQUIRED.
2. IF A DISCREPANCY IS FOUND, THE PLANTING PLAN SHALL OVERRIDE THE PLANT SCHEDULE.
3. SEE CIVIL SHEETS FOR EROSION CONTROL BLANKET LOCATIONS.

KEY NOTES

1. START / STOP METAL EDGER

CITY OF LA CROSSE LANDSCAPE REQUIREMENTS:

SITE SF NOT OCCUPIED BY BUILDINGS OR PAVED SURFACES = 12,265 SF

REQUIREMENTS	CALCULATION	REQUIRED	PROVIDED
BOULEVARD TREES	374 LF / 40	9.35 TREES	10 TREES
SITE TREES	(12,265 SF / 600) * 2	40.8 TREES	41 TREES
SITE SHRUBS	(12,265 SF / 600) * 8	163.5 SHRUBS	164 SHRUBS

ONE TREE PLACED IN THE BOULEVARD PER 40 LINEAR FEET OF LOT FRONTAGE.

NOT LESS THAN TWO TREES AND EIGHT SHRUBS PER 600 SQUARE FEET OF LANDSCAPED AREA.

PROVIDE A FIVE-TO-SIX FOOT TALL SOLID SCREEN TO SEPARATE PARKING LOTS FROM ABUTTING RESIDENTIAL USES.

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	SIZE
DECIDUOUS TREES					
	Ga	7	AUTUMN GOLD MAIDENHAIR TREE GINKGO BILOBA 'AUTUMN GOLD'	B&B	2" CAL.
	Gd2	6	STREET KEEPER® HONEY LOCUST GLEDITSIA TRIACANTHOS INERMIS 'DRAVES'	B&B	2" CAL.
EVERGREEN TREES					
	Tt	32	TECHNY ARBORVITAE THUJA OCCIDENTALIS 'TECHNY'	B&B	5` HT.
ORNAMENTAL TREES					
	Ms	6	SPRING SNOW CRABAPPLE MALUS X 'SPRING SNOW'	B&B	2" CAL.

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT	SIZE
DECIDUOUS SHRUBS					
	Ha	9	ANNABELLE HYDRANGEA HYDRANGEA ARBORESCENS 'ANNABELLE'	CONT.	5 GAL.
	Rg	31	GRO-LOW FRAGRANT SUMAC RHUS AROMATICA 'GRO-LOW'	CONT.	5 GAL.
PERENNIALS					
	Ho	55	STELLA DE ORO DAYLILY HEMEROCALLIS X 'STELLA DE ORO'	CONT.	1 GAL.
	Nw	30	WALKER'S LOW CATMINT NEPETA X FAASSENII 'WALKER'S LOW'	CONT.	1 GAL.
	Sh	39	PRAIRIE DROPSEED SPOROBOLUS HETEROLEPIS	CONT.	1 GAL.

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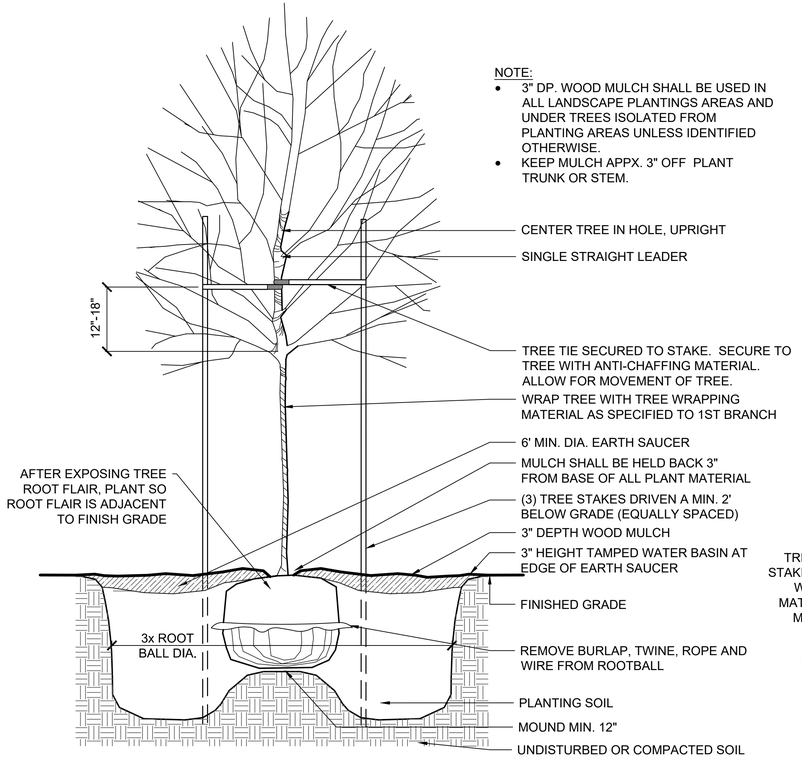
RESTORATION PLAN

DRAWN BY: JS CHECKED BY: CC

L1

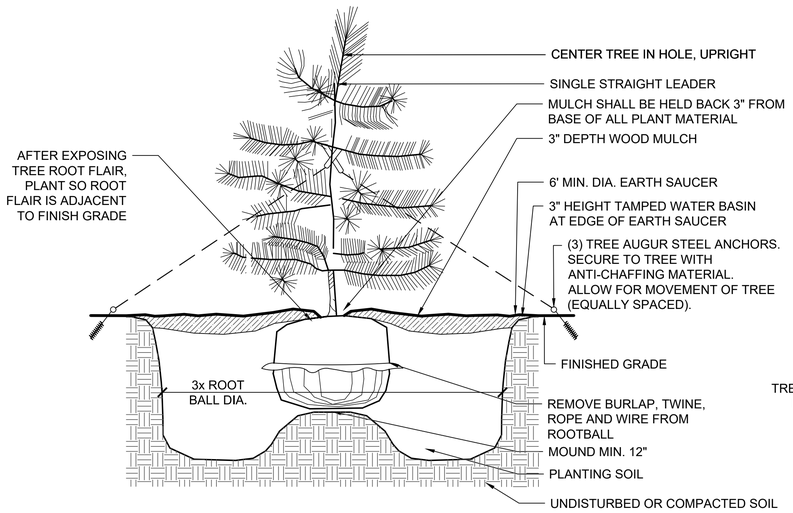
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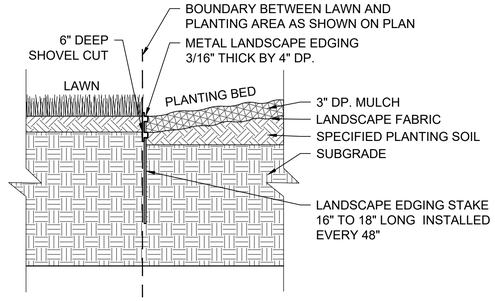
1 DECIDUOUS TREE PLANTING DETAIL

SCALE:N.T.S.



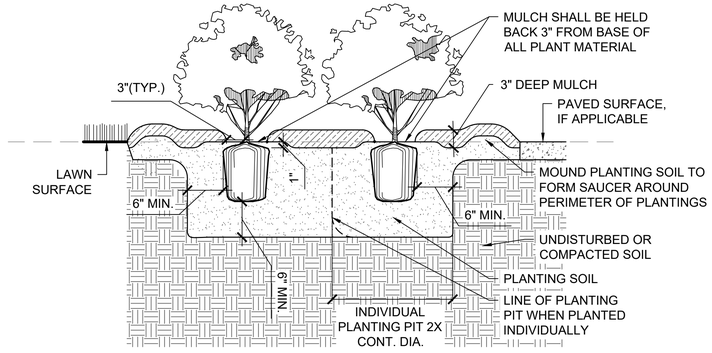
2 CONIFEROUS TREE PLANTING DETAIL

SCALE:N.T.S.



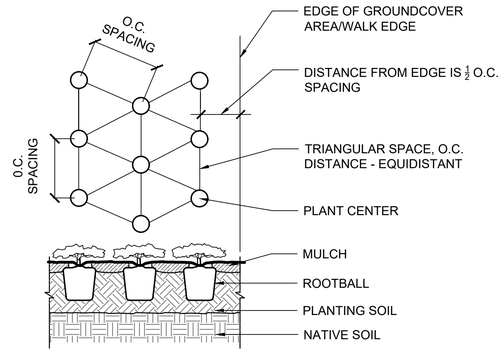
3 METAL EDGER DETAIL

SCALE:N.T.S.



4 DECIDUOUS SHRUB PLANTING DETAIL

SCALE:N.T.S.



5 SHRUB & PERENNIAL PLANTING BED DETAIL

SCALE:N.T.S.

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RESTORATION DETAILS

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GENERAL LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO BECOME COMPLETELY FAMILIAR WITH SITE CONDITIONS.
2. ALL ROUGH AND FINISH GRADING TO BE DONE BY OTHERS.
3. NO PLANTING SHALL BE INSTALLED UNTIL ALL GRADING, BUILDING, CONSTRUCTION, UTILITY WORK & IRRIGATION (IF APPLICABLE) HAS BEEN COMPLETED IN THE AREAS TO BE PLANTED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UNDERGROUND CABLES, CONDUITS, WIRES, ETC., ON THE PROPERTY.
5. IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER OF PLANTS SHOWN IN THE PLANT LIST, THE NUMBER OF PLANTS SHOWN ON THE PLAN WILL TAKE PRECEDENCE.
6. ALL PROPOSED PLANT MATERIAL SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLAN. IF THE CONTRACTOR BELIEVES AN ERROR HAS BEEN MADE REGARDING SPACING OR LOCATION OF THE PLANT MATERIAL INDICATED ON THE PLAN, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE MAINTENANCE OF THE PLANT MATERIAL (WATERING, SPRAYING, FERTILIZING, MOWING, ETC.) UNTIL THE WORK HAS BEEN ACCEPTED, BY THE OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO PROPERTY DAMAGE FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
9. ALL NEWLY PLANTED PLANT MATERIAL SHALL BE GUARANTEED THROUGH ONE CALENDAR YEAR STARTING FROM THE DATE OF ACCEPTANCE ESTABLISHED BY THE OWNER.
10. THE CONTRACTOR SHALL MEET WITH THE OWNER OR OWNERS REPRESENTATIVE ON SITE WHEN THEY FEEL THE PROJECT IS COMPLETE ACCORDING TO THE CONTRACT DOCUMENTS. IF ALL WORK IS SATISFACTORY AND COMPLETE ACCORDING TO THE CONDITIONS OF THE CONTRACT DOCUMENTS, THEN THE OWNER MUST DECLARE THE PROJECT COMPLETE. THIS DECLARATION WILL CONSTITUTE AS THE BEGINNING OF THE ONE (1) YEAR WARRANTEE PERIOD FOR ALL PLANT MATERIAL. THE OWNER SHALL PROVIDE A LETTER WITH SIGNATURE STATING THE DATE OF ACCEPTANCE.
11. WIND BURN OR OTHERWISE DAMAGED PLANT MATERIAL WILL NOT BE ACCEPTED.
12. CONTRACTOR CAN SUBSTITUTE MACHINE MOVED MATERIAL USING APPROPRIATE SIZE TREE SPADE FOR B & B WITH OWNER APPROVAL.
13. THE PRACTICE OF STAKING SHOULD NOT ALLOW NAILS, SCREWS, WIRES, ETC. TO PENETRATE THE OUTER SURFACE OF THE TREES.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKES, GUYS, STRAPS AND TRUNK PROTECTION MEASURES FOLLOWING THE COMPLETION OF THE WARRANTEE PERIOD OR AS DIRECTED BY THE OWNER.
15. LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE THE OWNER WITH MAINTENANCE INFORMATION DURING THE GUARANTEE PERIOD RELATING TO WATERING, FERTILIZING, PRUNING, PEST CONTROL, AND RELATED ITEMS. THIS WILL BE PREPARED AND DELIVERED TO THE OWNER AFTER PROVISIONAL INSPECTION APPROVAL HAS BEEN GIVEN BY THE OWNER AND/OR LANDSCAPE ARCHITECT.
16. INSTALL CORRUGATED PLASTIC TREE GUARDS, WHITE IN COLOR, WITH THE SIZE OF TUBE 1" DIA. (MIN.) LARGER THAN THE CALIPER OF THE TREE TO BE PROTECTED.
17. CONTRACTOR TO FURNISH & INSTALL METAL EDGING AS SHOWN ON THE PLANS & DETAILS. METAL EDGING SHALL BE ALUMINUM OR STEEL, BLACK IN COLOR, WITH A MINIMUM THICKNESS OF 1/8" AND 4" DEEP. INSTALL 1 METAL STAKE EVERY 3-1/2 FEET OF EDGING.
18. LANDSCAPE FABRIC (FILTER MAT) TO HAVE A COMBINED WEIGHT OF 4.5-5.5 OZ. PER S.Y. FABRIC SHOULD BE U.V. STABILIZED AND HAVE A FIVE YEAR MINIMUM WEATHERABILITY FACTOR IN FULL SUNLIGHT. FABRIC TO BE PHILLIPS DUON R OR EQUIVALENT. SAMPLE REQUIRED FOR APPROVAL.
19. 3" DEPTH SHREDDED HARDWOOD MULCH SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS THAT ARE ISOLATED FROM GROUNDCOVER AREAS AND GENERAL SHRUB MASSES.
20. 3" DEPTH 1" TO 1-1/2" WASHED RIVER ROCK SHALL BE INSTALLED OVER LANDSCAPED FABRIC AS INDICATED ON THE PLANS & DETAILS.
21. CALIPER OF TREES UP TO AND INCLUDING 4" SHALL BE MEASURED AT 6" ABOVE GROUND LEVEL.
22. FOR BALLED & BURLAP PLANT MATERIAL, REMOVE THE TOP HALF OF THE BURLAP FROM THE ROOT BALL. WIRE CAGES, STRAPS, ETC. SHALL BE REMOVED FROM THE TOP HALF OF THE ROOTBALL BEFORE INSTALLATION.
23. ALL CONTAINER MATERIAL SHALL HAVE BEEN GROWN IN CONTAINER FOR A MINIMUM OF 6 MONTHS PRIOR TO INSTALLATION.
24. SHRUBS SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON-CENTER SPACING FROM PAVING EDGE UNLESS OTHERWISE NOTED.
25. DECIDUOUS SHRUBS SHALL HAVE MINIMUM OF FIVE (5) CANES AT SPECIFIED HEIGHT UNLESS OTHERWISE NOTED IN PLANT SCHEDULE.
26. ALL PERENNIAL BEDS TO RECEIVE ROCK MULCH SHALL HAVE LANDSCAPE FABRIC INSTALLED WITH HOLES FOR PLANTS CUT 2.5 TIMES THE DIAMETER OF THE CONTAINER.
27. LANDSCAPE CONTRACTOR SHALL PROVIDE AND INSTALL NURSERY GROWN PLANT MATERIAL CONFORMING TO THE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 STANDARDS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

GENERAL PLANT ESTABLISHMENT PERIOD NOTES:

1. THE REQUIRED WORK SHALL CONSIST OF CONTINUOUSLY CONDUCTING OPERATIONS AND MAINTENANCE FOR A WARRANTY PERIOD ESTABLISHED FOR 1 YEAR AFTER THE INSTALLATION HAS BEEN ACCEPTANCE BY THE OWNER. THE WORK INCLUDES:
   - 1.1. ESTABLISHMENT OF BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL, SODDED AND SEEDED AREAS
   - 1.2. INCLUDING PEST CONTROL, FERTILIZING AND FUNGICIDAL TREATMENTS
   - 1.3. REGULAR WATERING SCHEDULINGS FOR ALL PLANT MATERIAL, SOD AND SEEDING
   - 1.4. IRRIGATION SYSTEM OPERATION AND MAINTENANCE
   - 1.5. REMOVAL OF ALL WEEDS WITHIN THE PROJECT AREA BY METHODS AGREED BY THE OWNER (POST/PRE HERBICIDE TREATMENT, HAND OR MECHANICAL REMOVAL)
   - 1.6. MAINTENANCE OF MISCELLANEOUS ITEMS (EROSION CONTROL PRODUCTS, REPAIRS FROM EROSION)
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ON-SITE REVIEW MEETINGS WITH THE OWNER DURING THE PLANT ESTABLISHMENT PERIOD TO IDENTIFY OPERATIONS AND MAINTENANCE TO BE EXECUTED MONTHLY.
3. PLANT MATERIAL DEEMED TO BE REPLACED AT THE END OF PLANT ESTABLISHMENT PERIOD SHALL BE EXECUTED WITHIN 2 WEEKS (14 DAYS) PRESENTING LESS THE FOLLOWING SURVIVORSHIP:
   - 3.1. BALLED AND BURLAPPED AND CONTAINER PLANT MATERIAL: 75%
   - 3.2. SODDED AREAS: 100% (0% BARE SOIL)
   - 3.3. SEEDED AREAS: 90% (<10% BARE SOIL)
4. REPLACEMENT PLANTS, SOD AND SEED SHALL BE OF THE SAME SPECIES AND SIZE AS ORIGINALLY SPECIFIED ON THE DRAWINGS, UNLESS THE OWNER DETERMINES THAT SUBSTITUTIONS OF ANOTHER SPECIES OR SIZE SHALL BE MADE.

GENERAL SODDING, SEEDING & TOPSOIL NOTES:

1. LANDSCAPE CONTRACTOR SHALL ENSURE THAT NEW TREES MOVED ONTO THE SITE ARE DUG FROM SIMILAR SITES WITH SIMILAR SOILS TO THE SOILS OF THIS PROJECT (HEAVY TO HEAVY, LIGHT TO LIGHT. HEAVY TO LIGHT SOILS). CONTRACTOR SHALL REVIEW SOIL CONDITIONS/TYPES WITH OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. ALL NEWLY INSTALLED PLANT MATERIAL SHALL BE PLANTED IN WELL-DRAINED AREAS. NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF ANY PLANT MATERIAL IS LOCATED IN DRAINAGE SWALES OR WET & POORLY DRAINED AREAS.
3. ALL PLANTINGS SHALL RECEIVE FERTILIZER AS FOLLOWS:
   - 3.1. SUMMER AND FALL PLANTING: 0-20-20 GRANULAR (IN SAUCER AROUND PLANT AT THE RATE OF 12 OZ. PER 2-3" CAL. TREE & 6 OZ. PER SHRUB).
   - 3.2. SPRING PLANTING: 10-10-10 GRANULAR (APPLY ABOVE REFERENCED FERTILIZER AT A RATE OF 12 OZ. PER 1-1/2" CAL. TREE OR LARGER & 6 OZ. PER SHRUB & PERENNIAL.
4. ALL PLANTINGS SHALL RECEIVE AN AMENDED SOIL MIX CONSISTING OF THREE (3) PARTS:
   - 4.1. 45% APPROVED TOPSOIL (ONE SITE PREFERRED)
   - 4.2. 45% ORGANIC MATTER (TYPE 1 SPHAGNUM PEAT MOSS FINELY DIVIDED WITH A PH OF 3.1 - 5.0.)
   - 4.3. 10% SAND (FINE CLEAN MASONRY SAND)
5. AREAS CONFINED TO A MASS PLANTING AREA (PLANTING BED) SHALL RECEIVE THE AMENDED SOIL MIX AT MIN. 12" DEPTH THROUGHOUT THE PLANTING AREA. AMENDED SOIL MIX SHALL BE MIXED THOROUGHLY AND INSTALLED IN 6" LIFTS.
6. AREAS TO RECEIVE SOD OR SEED SHALL HAVE A 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL SHALL PROVIDE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY CLUMPS, BRUSH WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONE LARGER THAN 1" IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
7. SOD SHALL BE 30" X 100' ROLLS WHERE APPLICABLE, TO BE LAID PARALLEL WITH THE CONTOURS AND HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR DRAINAGE SWALES, THE SOD SHALL BE STAKED INTO THE GROUND. SCARIFY THE EXISTING GRADES WITH FIELD CULTIVATOR PRIOR TO PLACING OF TOPSOIL AND FINISH GRADING FOR SOD. IMMEDIATELY PRIOR TO PLACING SOD, CONTRACTOR SHALL APPLY 10-6-4 FERTILIZER AT THE RATE OF 10 POUNDS PER 1000 SQ. FT.
8. ALL AREAS SPECIFIED AS 'WET DETENTION SEED MIX' TO BE SEEDED WITH WIDOT MIX 95B. BROAD CAST, DRILL AND/OR HYDROSEED AT A RATE OF 5.43 LBS./AC. WITH 2 TONS SHREDDED AND PUNCHED IN PLACE STRAW PER ACRE. SEED MIX SHALL BE ABLE TO WITHSTAND PERIODIC FLOODING.

GENERAL IRRIGATION NOTES:

1. PRIOR TO CONSTRUCTION, VERIFY WITH THE GENERAL CONTRACTOR AND ALL LOCAL UTILITY COMPANIES TO LOCATE EXACT LOCATIONS OF UNDERGROUND UTILITIES.
2. THE IRRIGATION SHALL BE A DESIGN/BUILD SYSTEM BY THE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATIONS AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE OWNER PRIOR TO ORDER AND/OR INSTALLATION.
3. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS ARE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. IRRIGATION HEADS IN TURF AREAS SHALL BE VALVED SPEARATELY FROM SHRUB AND GROUND COVER AREAS. IT IS RECOMMENDED THAT FULL SUN AND SHADY AREAS TO BE VALVED SEPARATELY AS WELL AS HIGH RUN-OFF AND LOW RUN-OFF AREAS TO BE VALVED SEPARATELY.
4. CONFIRM LIMITS OF IRRIGATION, EXISTING AND FUTURE HARDSCAPE AND BUILDING LOCATIONS PRIOR TO THE DESIGN OF THE IRRIGATION SYSTEM.
5. CONTRACTOR SHALL VERIFY WATER SOURCE LOCATION AND PRESSURE AND SUPPLY A SYSTEM THAT PROVIDES FULL AND COMPLETE COVERAGE TO ALL AREAS TO BE IRRIGATED.
6. SYSTEM SHOULD BE DESIGNED TO OPERATE AT UP TO 300 GPM @ 90 PSI TO COMPLETE WATER SCHEDULES WITHIN 12-HOURS MAXIMUM.
7. RAIN SENSORS AND OTHER WATER SAVING TECHNOLOGIES SHALL BE INCLUDED WITHIN THE IRRIGATION DESIGN.
8. PROVIDE THE OWNER WITH AN OPERATING SCHEDULE THAT WORKS WITH THE APPROVED LAYOUT PLAN AND IDENTIFY ANY FIELD ADJUSTMENTS PRIOR TO PROJECT COMPLETION.
9. AVOID OVER-SPRAY ONTO ROADS, SIDEWALKS, SIGNS AND PARKING AREAS. SPRINKLER ARCS SHALL BE DETERMINED ON SITE BY THE IRRIGATION INSTALLER TO PROVIDE THE MAXIMUM COVERAGE POSSIBLE. CAREFULLY ADJUST THE ARCS AND RADIUS OF EACH SPRINKLER TO PROVIDE HEAD-TO-HEAD COVERAGE.
10. LOCATE VALVE BOXES AWAY FROM ROAD/CURB SO THEY ARE LESS VISUAL WHERE APPLICABLE.
11. DO NOT TRENCH THROUGH THE ROOT BALLS OF NEW PLANTINGS.
12. MAINLINE PIPING BENEATH TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM EARTH COVER OF 30-INCHES FROM BOTTOM OF ROAD SUB-GRADE AND CONTAIN SLEEVES NOT LESS THAN TWO NOMINAL DIMENSIONS GREATER THAT THE PIPE PASSING THROUGH.
13. IRRIGATION INSTALLER SHALL FURNISH AND INSTALL SLEEVE MATERIAL UNDER ALL ROADWAYS, WALKS AND DRIVEWAYS WHERE NECESSARY.
14. TOP OF MAINLINES SHALL BE AT LEAST 30-INCHES BELOW GRADE IN TURF AREAS.
15. TOP OF LATERAL LINES SHALL BE AT LEAST 18-INCHES BELOW GRADE.
16. MAINLINE PRESSURE PIPE FITTINGS 3-INCHES AND LARGER SHALL BE PUSH ON GASKET JOINED AND SHALL HAVE MECHANICAL JOINT RESTRAINTS. MAINLINE PRESSURE PIPE FITTINGS 2.5-INCHES AND SMALLER SHALL BE GLUED AND SHALL HAVE CONCRETE THRUST BLOCKS AT FITTINGS THAT COMPRISE CHANGE IN DIRECTION.
17. OTHERS SHALL FURNISH, INSTALL AND BRING 24-INCHES ABOVE GRADE A MUNICIPAL POTABLE STUB FOR IRRIGATION, COORDINATE WITH GENERAL CONTRACTOR.
18. INSTALLER IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE BACKFLOW PREVENTOR, WATER METER AND BOOSTER PUMP, IF APPLICABLE.
19. IRRIGATION CONTROL WIRE SHALL BE DIGITAL TWO-WIRE, UL LISTED FOR DIRECT BURIAL.
20. CONNECT ALL ELECTRICAL WIRING IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES INCLUDING:
   - 20.1. ALL LOW VOLTAGE IRRIGATION CONTROL WIRE SHALL BE INSTALLED WITH THE MAINLINE PIPE WHERE POSSIBLE
   - 20.2. DO NOT LOOP THE LOW VOLTAGE IRRIGATION CONTROL WIRE PATH.
   - 20.3. SNAKE WIRE AT BOTTOM OF TRENCH BENEATH MAINLINE.
   - 20.4. PROVIDE 18-INCH OF SLACK CONTROL WIRE AT ALL CHANGES IN DIRECTION.
   - 20.5. PROVIDE 24-INCH OF SLACK CONTROL WIRE AT EACH REMOTE CONTROL VALVE COILED INSIDE VALVE BOX.
   - 20.6. ALL WIRE SPLICES SHALL BE WATERTIGHT CONNECTORS AND CONTAINED IN VALVE BOX.
   - 20.7. ALL WIRING BENEATH HARDSCAPES SHALL BE CONTAINED IN SLEEVING, SEPARATE FROM PIPING. ELECTRICAL SLEEVES ARE TO BE SIZED APPROPRIATELY FOR EASE OF WIRE INSTALLATION AND REPAIR.
   - 20.8. ALL WIRING SHALL BE IDENTIFIED AT EACH END TO PROVIDE INDICATION AS TO WHICH LOCATION THE WIRE IS CONNECTED.
   - 20.9. GROUNDING PER MANUFACTURER'S RECOMMENDATION OR LOCAL ELECTRICAL CODE.
21. SCHEDULE AND PROGRAM CONTROLLER AND VALVES FOR APPROPRIATE LANDSCAPE WATER REQUIREMENTS.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026

REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 REG. NO. 03/02/2026 DATE

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RESTORATION NOTES

DRAWN BY: JS CHECKED BY: CC

L3

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ANDERSON

Storm Water Management Plan

Calculations & Summaries

Mayo Employees Credit Union

La Crosse, WI

Project No. 18994

March 02, 2026

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.

_____

Eric Sautbine, P.E. Reg. No. E-43034-6

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Project Overview

Site redevelopment of the Mayo Employees Credit Union is proposed at 605 West Ave S, La Crosse, WI 54601. The parcel encompasses 0.82 acres. The project includes site clearing and demolishing the existing building, concrete and asphalt paving. Construction will include a new building, parking lot, and teller drive thru.

Existing Site Conditions

The 0.82 acre lot is bounded by Ferry St to the north, West Ave to the west, and residential lots to the south and east. The existing building has a finished floor of 673.25. The existing parking lot is located south of the building, the existing drive thru is on the east side of the building, and the driveway comes from the west off West Ave along the south of the parking lot and turns north through the drive thru up to Ferry St to the north. The site generally drains from the southeast corner to the north west corner. There is currently no storm sewer on site. An existing 12" storm sewer runs under Ferry Street and belongs to the city of La Crosse. The existing drainage pattern can be seen in **Exhibit A: Existing Drainage Map** within the appendices of this report.

Soils

A geotechnical report has not been conducted on the site yet and a soil report is not available at this time. Also a web soil survey could not be conducted as the area is only labelled as urban land and did not give additional information on soil composition. A soil map was provided of the area and shows the whole city of La Crosse as having Planview sand. With discussion with the city of La Crosse, the site should have good drainage sands consistent with the soil map provided. The soil map can be seen in **Exhibit F: Soil Map**.

To be conservative, we assumed the sand has loam in it and part of hydraulic soil group B. This soil is well drained and is considered suitable for infiltration practices with an infiltration rate of 0.5 in/hr per the Wisconsin DNR technical standard. Per the Wisconsin Admin code, redevelopment projects do not require infiltration practices but infiltration will help with TSS requirements discussed later in this report.

Proposed Site Conditions

The proposed redevelopment will consist of a new building with parking lots located north and south of the building and a teller drive thru to the east. The grades around the site will be around 2% in the parking lots and driveways. The building is proposed to have a finished floor elevation of 673.80. The site will generally flow from south to north. New 12" storm sewer will be installed throughout the site and be broken into 2 drainage areas. The east drainage area will include the south parking lot, the drive thru, and the north driveway. The west drainage area will include the building, half the south parking lot, the north parking lot and the west driveway. Both drainage areas will outlet into an infiltration pond located in the northwest corner of the site to be treated before heading into the city storm sewer system located along Ferry St. See **Exhibit B: Proposed Drainage Map** located in the appendices of this report.

Post construction Management Devices

The proposed redevelopment will include an infiltration basin located in the northwest corner of the property and will treat stormwater coming from the site before it enters the city storm sewer.

Methodology

P8 Urban Catchment Model - TSS

The project is redeveloping a previously developed site meaning only 40% total suspended solids (TSS) removal is required. The P8 Urban Catchment Modeling software was used to calculate TSS removal. The climate files for Wisconsin were used to determine rainfall events with the Madison location being the closest to La Crosse. The NURP 50 file was used for determining the TSS particle size.

Runoff from pervious and impervious surfaces were calculated separately by water shed area in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit C: P8 Calculations Report**.

HydroCAD – Peak Discharge

The Hydrologic characteristics of the site were modeled using HydroCAD software for peak discharge. TR55/TR20 methods were utilized. Existing and proposed drainage areas were determined via review of as-built data, current land survey data, and aerial photos.

The 2, 10, & 100-year frequency events were analyzed for peak runoff rate control in the existing and proposed conditions. The MSE-3 24-hr distribution was used in analysis. Storm frequency depths were determined by the City of La Crosse Guidelines using Atlas 14 data. Depths for the 2, 10, & 100-year storms were found to be 2.94", 4.32", and 7.31" respectively.

Runoff from pervious and impervious surfaces were calculated separately in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit D: HydroCAD Report**.

City of La Crosse Rules & Regulations

In addition to the rules described below, the proposed design and report will utilize those definitions and procedural requirements as described by the City of La Crosse Municipal Code Chapter 105 Section 61, and the Wisconsin DNR stormwater rules and regulations in the Wisconsin Administrative Code Section NR151 Ch3. The construction and stormwater management plans have also been designed to meet general standards described within the Stormwater Management Rule and Erosion Control Rule.

Table 1 below summarizes the watershed rules that are **not** applicable to this site and reasoning for exclusion:

Table 1: Non-Applicable DNR Watershed Rules	
NR151.105(1)(a) State Storm Water Management Plan	Disturbance under 1 acre
City 105-61(b)(4)d Infiltration	Redevelopment
City 105-61(b)(4)e Protective Areas	No disturbance of wetland or discharge to open waters
City 105-61(b)(4)f Fuel and Maintenance Area	No fueling or maintenance on site proposed
City 105-61(b)(4)g Swale treatment for transportation facilitates	Project is not a transportation facility

Below is a summary of other applicable watershed rules and regulations have been met for this project:

Stormwater Management Rule

City 105-61(b)(4)a – *Total Suspended Solids (TSS)*

Criteria: Total suspended solids. BMPs shall be designed, installed and maintained to control total suspended solids carried in runoff from the post-construction site as follows: Redevelopment - 40 percent of load from parking areas and roads. The design shall be based on an average annual rainfall, as compared to no runoff management controls.

The P8 Urban Catchment Modeling software was used to calculate TSS. The software analyzed the proposed runoff without management controls and compared it to the proposed runoff with management controls.

Because we are using an infiltration basin in P8 for the control, we need to follow the Wisconsin DNR modeling post construction storm water treatment guide B.7 along with Technical Standard 1003. The standards allow P8 to keep 100% of TSS removal from infiltration, but only 50% from settling due to scouring for ponds that are 1.5' deep.

In addition to the P8 calculation outputs in **Exhibit C**, See **Table 2** below for a summary of the results. The calculation breakdown in **Table 3** shows the allowed TSS removal per Modeling guide B7.

Table 2 – Annual Load TSS

Variable: TSS	Loads(lbs)				
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm
01 watershed inflows	336.26	136.22	180.53	0.24	19.27
02 upstream device	0.00	0.00	0.00	316.76	3.22
03 infiltrate	45.39	0.00	0.00	45.39	0.00
05 filtered	45.39	0.00	0.00	45.39	0.00
06 normal outlet	22.49	136.22	180.53	0.00	22.49
07 spillway outlet	0.00	0.00	0.00	3.22	0.00
08 sediment + decay	268.34	0.00	0.00	268.34	0.00
09 total inflow	336.26	136.22	180.53	316.99	22.49
10 surface outflow	22.49	136.22	180.53	3.22	22.49
12 total outflow	22.49	136.22	180.53	3.22	22.49
13 total trapped	313.73	0.00	0.00	313.73	0.00
14 storage increase	0.00	0.00	0.00	0.00	0.00
15 mass balance check	0.05	0.00	0.00	0.05	0.00
Load Reduction (%)	93.30	0.00	0.00	98.97	0.00

Table 3 – Annual TSS load	
Site	TSS
Proposed Conditions without Controls	336.26 lbs
100% Infiltration Removal	45.39 lbs
50% Sediment Removal	134.17 lbs
Total TSS Removal	179.56 lbs
Removal Efficiency	53.4%

City 105-61(b)(4)b – *Peak Discharge (Rate Control)*

Criteria: By design, BMPs shall be employed to maintain or reduce the two-year, 24-hour; and the ten-year, 24-hour post-construction peak runoff discharge rates to the two-year, 24-hour; and the ten-year, 24-hour pre-development peak runoff discharge rates respectively, or to the maximum extent practicable.

Rate control was analyzed for the 2, 10, and 100-year - 24 hour storm event. Existing condition rates and proposed rates were compared for the entire property area. Runoff rates for the proposed activity shall not exceed existing runoff rates for the 2 and 10-year critical storm. The 100-year storm is shown for information only and is not required to be decreased per the municipal code. Per **Exhibits A & B and Table 4,** impervious surface on site will increase. With an overall increase in impervious surface, further analysis was needed.

A full summary of the existing and proposed HydroCAD results can be found within **Exhibit D: HydroCAD Report** in the appendices of this report. Tabulations of the existing and proposed peak runoff rates can be found in **Table 5** shows that post development rates are held below existing conditions:

Table 4 – Impervious Areas	
Site	TSS
Existing Impervious Area	0.335 Ac
Proposed Impervious Area	0.498 Ac
Net Increase	0.163 Ac

Table 5: Rate Control Offsite		
Storm Event	Existing Rate (CFS) **1R**	Post Development Rate (CFS) **10R**
2-year	1.04	0.44
10-year	2.17	1.77
100-year	4.93	3.58

City 105-61(b)(4)c – *Safe Outlet*

Criteria: By design, the site shall provide for the safe passage of run-off from events up to and including the 100 year, 24-hour event. Safe passage implies buildings in and around the site will not be negatively impacted by run-off from the site.

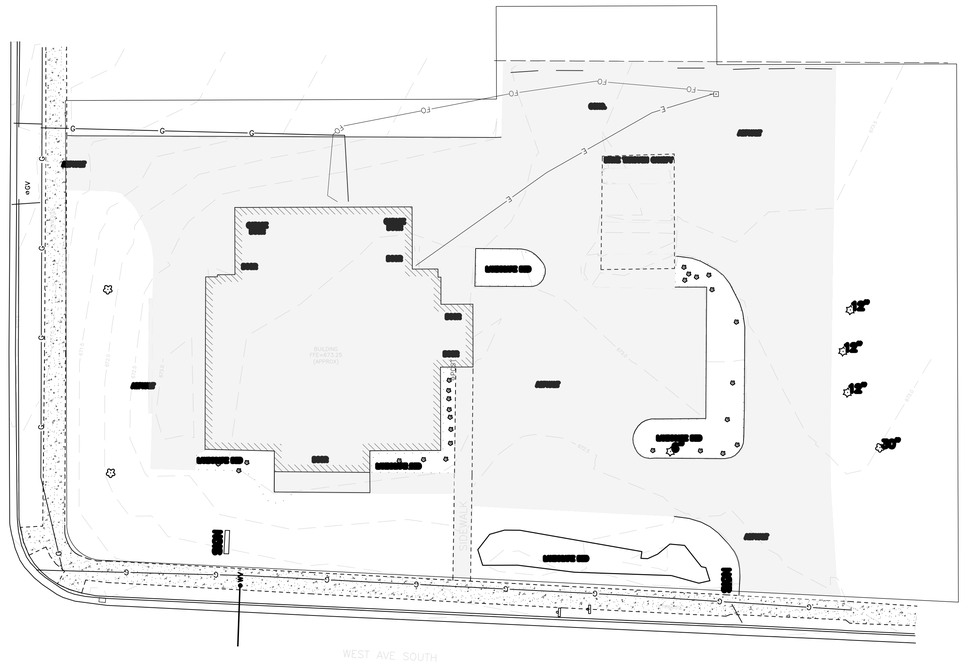
The 100-year, 24 hour storm event will be retained by the infiltration basin. The 100-year high water level in the basin will reach 670.44' which is below the overflow elevation of 670.80'. This can be seen in **Exhibit D: HydroCAD Report.** The 100-year, 24 hour storm event will have safe passage through the infiltration basin and city storm sewer and will not negatively impact buildings in the area.

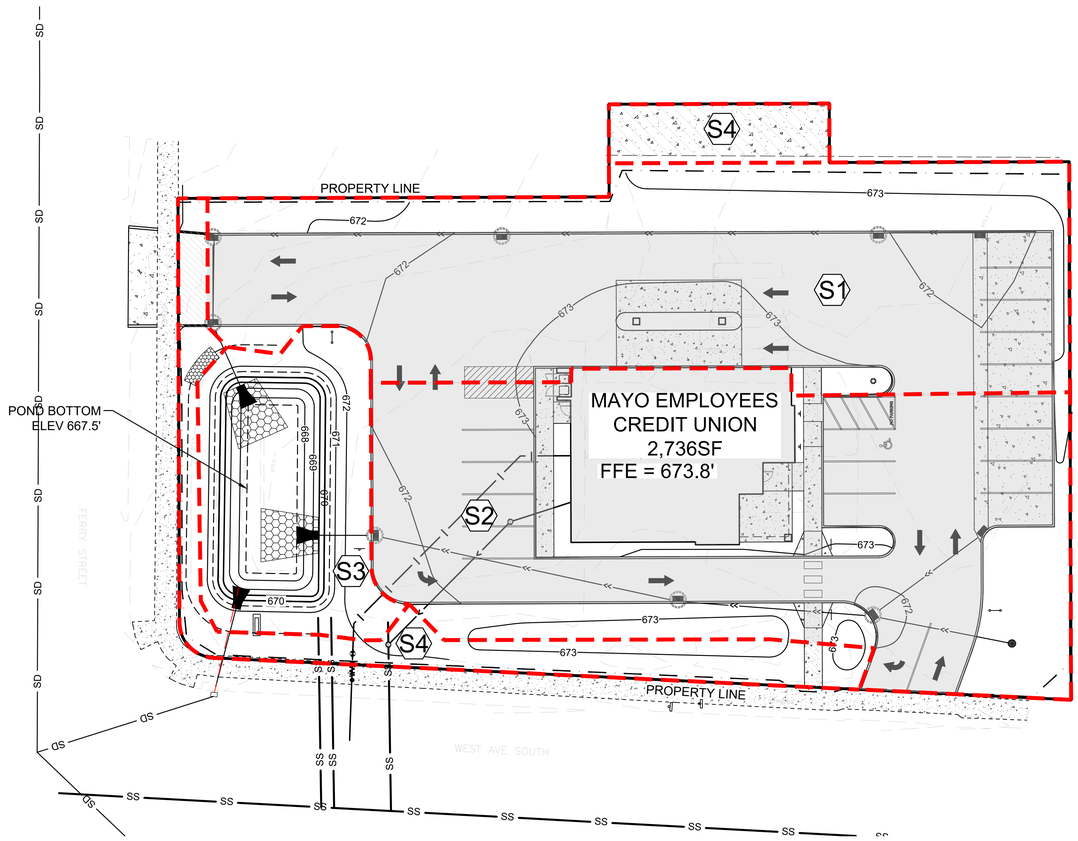
Erosion and Sediment Control Rule

A NDPES permit is not required with this project because the disturbed area is under 1 acre. If additional disturbances occur during construction, the contractor will be responsible for initiating a NDPES construction permit. Anderson Engineering completed an erosion control map for the city submittal for the contractor to use.

Summary

The site layout and final grades are designed to maintain the general drainage of the existing landscape. Within the project boundary, some changes to the existing drainage patterns are expected due to the proposed structures and other site improvements. The project design does not propose to make major changes to drainage divides. A new storm sewer system is designed to prevent as much storm water runoff to flow directly onto Ferry St and West Ave than the previous existing development while also lowering the peak discharge into the city storm system.


FERRY STREET
WEST AVE SOUTH
SIDEWALK
BUILDING
FFE=673.25
(APPROX.)
GV
W
S
S
S



N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- DRAINAGE AREA
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- × 1190.25 EXISTING SPOT ELEVATION
- DRAINAGE ARROW
- PROPOSED CONCRETE C&G
- PROPOSED STORM SEWER
- PROPOSED HARD SURFACE (TREATED)
- PROPOSED HARD SURFACE (UNCAPTURED)

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

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ERIC SAUTBINE, P.E.

03/02/2026
REG. NO. DATE

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Anderson Engineering of Minnesota, LLC

PROPOSED DRAINAGE MAP

DRAWN BY: CHECKED BY:

EX B

231139 - AE PROJ # 18994

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P8 Urban Catchment Model, Version 3.5				Run Date	02/19/26
Case	18994_MayoCU_LaCrosse_TypeB.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

File Directory	Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI_17 SWMP\03-P8\
Case Title	Startup Case
Case File	18994_MayoCU_LaCrosse_TypeB.p8c
Particle File	nurp50.p8p
Temperature File	madison_6190.tem
Storm File	Mdsn6095.pcp
Precip Scale Factor	1
Watersheds	4
Devices	4
Particles	5
WQ Components	7
Start Date	09/13/79
Keep Date	10/11/80
Stop Date	09/30/81
Storm Count	76
Total Hours	8406
Wet Hours	722
Precip (in)	30
Rain (in)	28
Snowfall (in)	2
Snowmelt (in)	2
EvapoTran(in)	23
Overall TSS Removal(%)	1
Water Balance Error(%)	0
TSS Mass Balance Error (%)	0

P8 Urban Catchment Model, Version 3.5				Run Date	02/19/26
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Case Title	Startup Case
Case Data File	18994_MayoCU_LaCrosse_TypeB.p8c
Path	Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI_17 SWMP\03-P8\
Case Notes:	
Storm Data File	Mdsn6095.pcp
Particle File	nurp50.p8p
Air Temp File File	madison_6190.tem

Time Steps Per Hour	4
Minimum Inter-Event Time (hrs)	10
Maximum Continuity Error %	2
Rainfall Breakpoint (inches)	0.8
Precipitation Scale Factor	1
Air Temp Offset (deg-F)	0
Loops Thru Storm File	1
Simulation Dates	
Start	9/11/1979
Keep	10/11/1980
Stop	9/30/1981

Max Snowfall Temperature (deg-f)	32.0
SnowMelt Temperature (deg-f)	32.0
Snowmelt Coef (in/degF-Day)	0.06
Soil Freeze Temp (deg-F)	32.0
Snowmelt Abstraction Factor	1.00
Evapo-Trans. Calibration Factor	1.00
Growing Season Start Month	5
Growing Season End Month	10

5-Day Antecedent Rainfall + Runoff (inches)		
CN Antecedent Moisture Condition	AMC-II	AMC-III
Growing Season	1.40	2.10
NonGrowing Season	0.50	1.10

Watershed Data						
Watershed Name	S2	S1	S3	S4		
Runoff to Device	South Storm Pipe	North Storm Pipe	Infilitration Basin	Offsite Storm		
Infiltration to Device						
Watershed Area	0.339	0.302	0.092	0.087		
SCS Curve Number (Pervious)	61	61	61	61		
Scale Factor for Pervious Runoff Load	1	1	1	1		
Indirectly Connected Imperv Fraction	0	0	0	0		

UnSwept Impervious Fraction	0.185	0	0	0		
UnSwept Depression Storage (inches)	0.08	0.02	0.02	0.02		
UnSwept Imperv. Runoff Coefficient	0.909	1	1	1		
UnSwept Scale Factor for Particle Loads	1	1	1	1		
Swept Impervious Fraction	0.59	0.635	0	0.31		
Swept Depression Storage (inches)	0.02	0.02	0.02	0.02		
Swept Imperv. Runoff Coefficient	0.973	0.973	1	0.973		
Swept Scale Factor for Particle Loads	1	1	1	1		
Sweeping Frequency	0	0	0	0		
Sweeping Efficiency	0	0	0	0		
Sweeping Start Date (MMDD)	101	101	101	101		
Sweeping Stop Date (MMDD)	1231	1231	1231	1231		

Device Data						
Device Name	Infilitration Basin	Offsite Storm	North Storm Pipe	South Storm Pipe		
Device Type	INF_BASIN	PIPE	PIPE	PIPE		
Infiltration Outlet						
Normal Outlet			Infilitration Basin	Infilitration Basin		
Spillway Outlet	Offsite Storm					
Particle Removal Scale Factor	1					
Bottom Elevation (ft)	668					
Bottom Area (acres)	0.015					
Permanent Pool Area (acres)						
Permanent Pool Volume (ac-ft)						
Perm Pool Infilt Rate (in/hr)						
Flood Pool Area (acres)	0.036					
Flood Pool Volume (ac-ft)	0.051					
Flood Pool Infilt Rate (in/hr)	0.5					
Infilt Basin Void Fraction (%)	100					
Detention Pond Outlet Parameters						
Outlet Type						
Outlet Orifice Diameter (in)						
Orifice Discharge Coef						
Outlet Weir Length (ft)						
Weir Discharge Coef						
Perforated Riser Height (ft)						
Number of Holes in Riser						
Holes Diameter						
Flood Pool Drain Time (hrs)						
Swale Parameters						
Length of Flow Path (ft)						
Slope of Flow Path %						
Bottom Width (ft)						
Side Slope (ft-v/ft-h)						
Maximum Depth of Flow (ft)						
Mannings n Constant						
Hydraulic Model						
Pipe, Splitter, Aquifer Parameter						
Hydraulic Res. Time (hrs)		0	0	0		

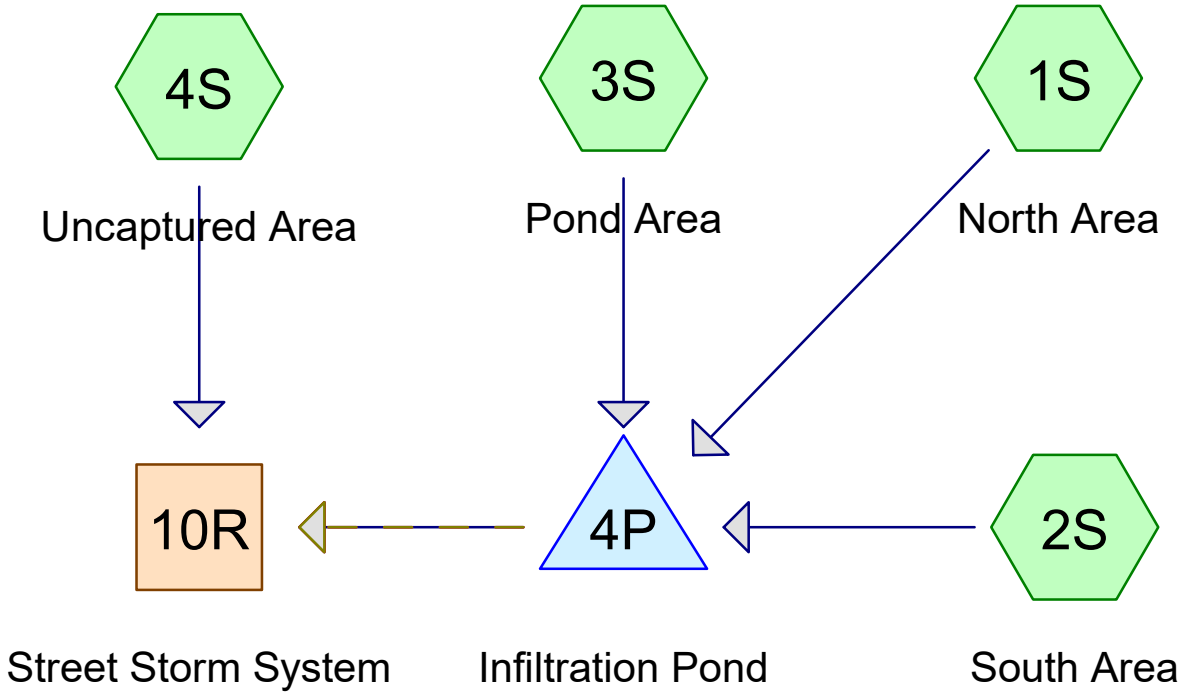
Particle Data					
Particle File	nurp50.p8p				
Particle Class	P0%	P10%	P30%	P50%	P80%
Filtration Efficiency (%)	90	100	100	100	100
Settling Velocity (ft/hr)	0	0.03	0.3	1.5	15
First Order Decay Rate (1/day)	0	0	0	0	0
2nd Order Decay (1/day-ppm)	0	0	0	0	0
Impervious Runoff Conc (ppm)	1	0	0	0	0
Pervious Runoff Conc (ppm)	1	100	100	100	200
Pervious Conc Exponent	0	1	1	1	1
Accum. Rate (lbs-ac-day)	0	1.75	1.75	1.75	3.5
Particle Removal Rate (1/day)	0	0.25	0.25	0.25	0.25
Washoff Coefficient	0	20	20	20	20
Washoff Exponent	0	2	2	2	2
Sweeper Efficiency	0	0	0	5	15

Water Quality Component Data							
Component Name	TSS	TP	TKN	CU	PB	ZN	HC
Water Quality Criteria (ppm)							
Level 1	5	0.025	2	2	0.02	5	0.1
Level 2	10	0.05	1	0.0048	0.014	0.0362	0.5
Level 3	20	0.1	0.5	0.02	0.15	0.38	1
Content Scale Factor	1	1	1	1	1	1	1
Particle Composition (mg/kg)							
P0%	0	99000	600000	13600	2000	64000	250000
P10%	1000000	3850	15000	340	180	1600	22500
P30%	1000000	3850	15000	340	180	1600	22500
P50%	1000000	3850	15000	340	180	1600	22500
P80%	1000000	0	0	340	180	0	22500

P8 Urban Catchment Model, Version 3.5				Run Date	02/19/26
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Devices Listed in Downstream Order

Device:	North Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infilitration Basin
	Runoff from watershed		S1
Device:	South Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infilitration Basin
	Runoff from watershed		S2
Device:	Infilitration Basin	Type:	INF_BASIN
	Discharges spillway to		Offsite Storm
	Runoff from watershed		S3
Device:	Offsite Storm	Type:	PIPE
	Runoff from watershed		S4



PROPOSED

Subcat Reach Pond Link

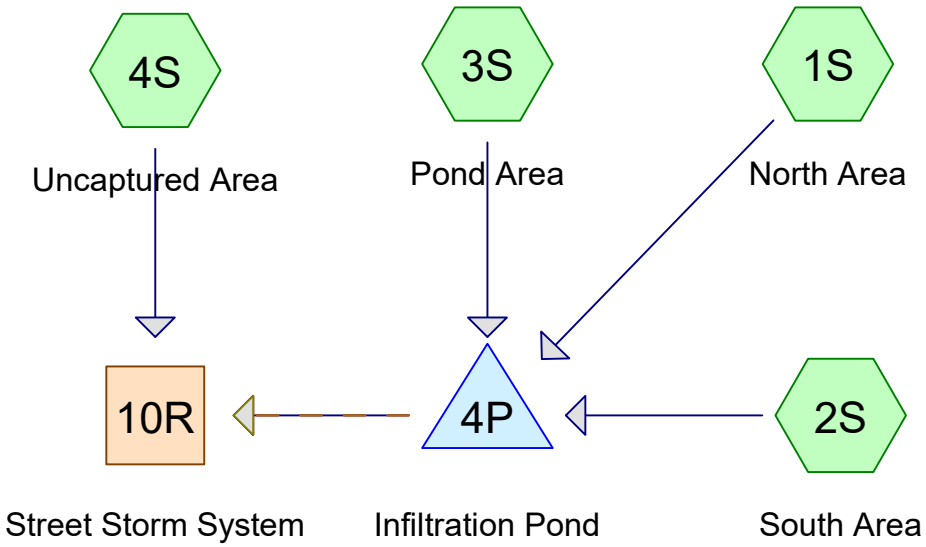
Routing Diagram for 18994_MayoCU_LaCrosse
Prepared by Anderson Engineering Of MN, LLC, Printed 2/20/2026
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P8 Urban Catchment Model, Version 3.5				Run Date	02/19/26
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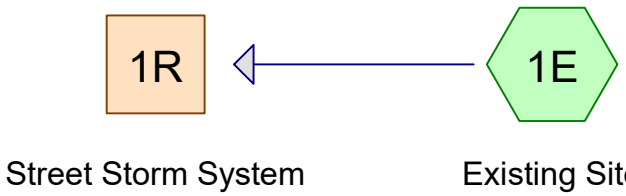
Mass Balances by Variable

Variable: Flow	Flow ac-ft									
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infilitration Basin	Offsite Storm	OVERALL	orth Storm Pipe	outh Storm Pipe	Infilitration Basin	Offsite Storm
01 watershed inflows	1.12	0.46	0.60	0.00	0.07					
02 upstream device	0.00	0.00	0.00	1.05	0.07					
03 infiltrate	0.99	0.00	0.00	0.99	0.00					
04 exfiltrate	0.99	0.00	0.00	0.99	0.00					
06 normal outlet	0.14	0.46	0.60	0.00	0.14					
07 spillway outlet	0.00	0.00	0.00	0.07	0.00					
09 total inflow	1.12	0.46	0.60	1.06	0.14					
10 surface outflow	0.14	0.46	0.60	0.07	0.14					
11 groundw outflow	0.99	0.00	0.00	0.99	0.00					
12 total outflow	1.12	0.46	0.60	1.06	0.14					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.00	0.00	0.00	0.00	0.00					
Load Reduction (%)	0.00	0.00	0.00	0.00	0.00					

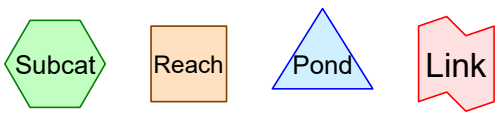
Variable: TSS	Loads(lbs)					Concs (ppm)				
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infilitration Basin	Offsite Storm	OVERALL	orth Storm Pipe	outh Storm Pipe	Infilitration Basin	Offsite Storm
01 watershed inflows	336.26	136.22	180.53	0.24	19.27	110.27	110.01	110.91	37.34	108.76
02 upstream device	0.00	0.00	0.00	316.76	3.22				110.52	16.88
03 infiltrate	45.39	0.00	0.00	45.39	0.00	16.93			16.93	
05 filtered	45.39	0.00	0.00	45.39	0.00					
06 normal outlet	22.49	136.22	180.53	0.00	22.49	61.16	110.01	110.91		61.16
07 spillway outlet	0.00	0.00	0.00	3.22	0.00				16.88	
08 sedimen + decay	268.34	0.00	0.00	268.34	0.00					
09 total inflow	336.26	136.22	180.53	316.99	22.49	110.27	110.01	110.91	110.36	61.16
10 surface outflow	22.49	136.22	180.53	3.22	22.49	61.16	110.01	110.91	16.88	61.16
12 total outflow	22.49	136.22	180.53	3.22	22.49	7.37	110.01	110.91	1.12	61.16
13 total trapped	313.73	0.00	0.00	313.73	0.00					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.05	0.00	0.00	0.05	0.00					
Load Reduction (%)	93.30	0.00	0.00	98.97	0.00					



PROPOSED



EXISTING



Routing Diagram for 18994_MayoCU_LaCrosse
Prepared by Anderson Engineering Of MN, LLC, Printed 2/23/2026
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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.485	61	>75% Grass cover, Good, HSG B (1E)
0.335	98	Paved parking, HSG B (1E)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.820	HSG B	1E
0.000	HSG C	
0.000	HSG D	
0.000	Other	

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.485	0.000	0.000	0.000	0.485	>75% Grass cover, Good	1E
0.000	0.335	0.000	0.000	0.000	0.335	Paved parking	1E

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>0.97"
Tc=10.0 min CN=76 Runoff=1.04 cfs 0.067 af

Reach 1R: Street Storm System Inflow=1.04 cfs 0.067 af
Outflow=1.04 cfs 0.067 af

Summary for Subcatchment 1E: Existing Site

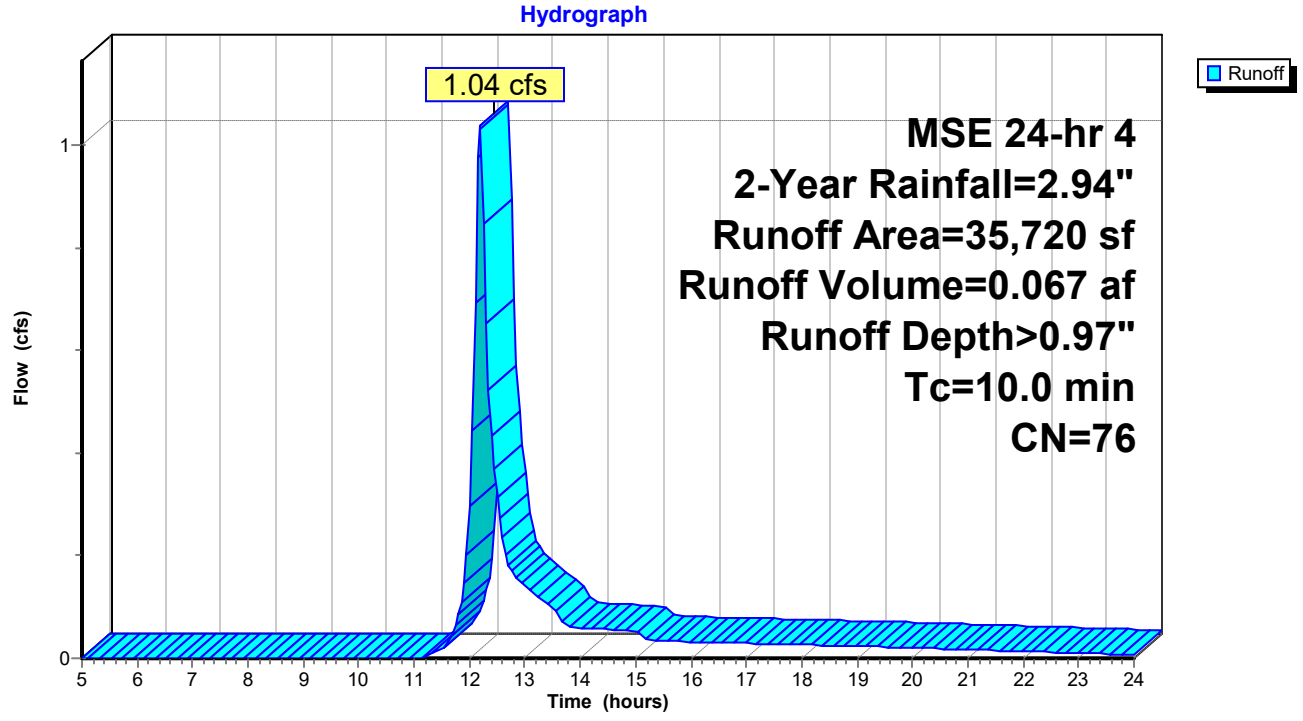
Runoff = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af, Depth> 0.97"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

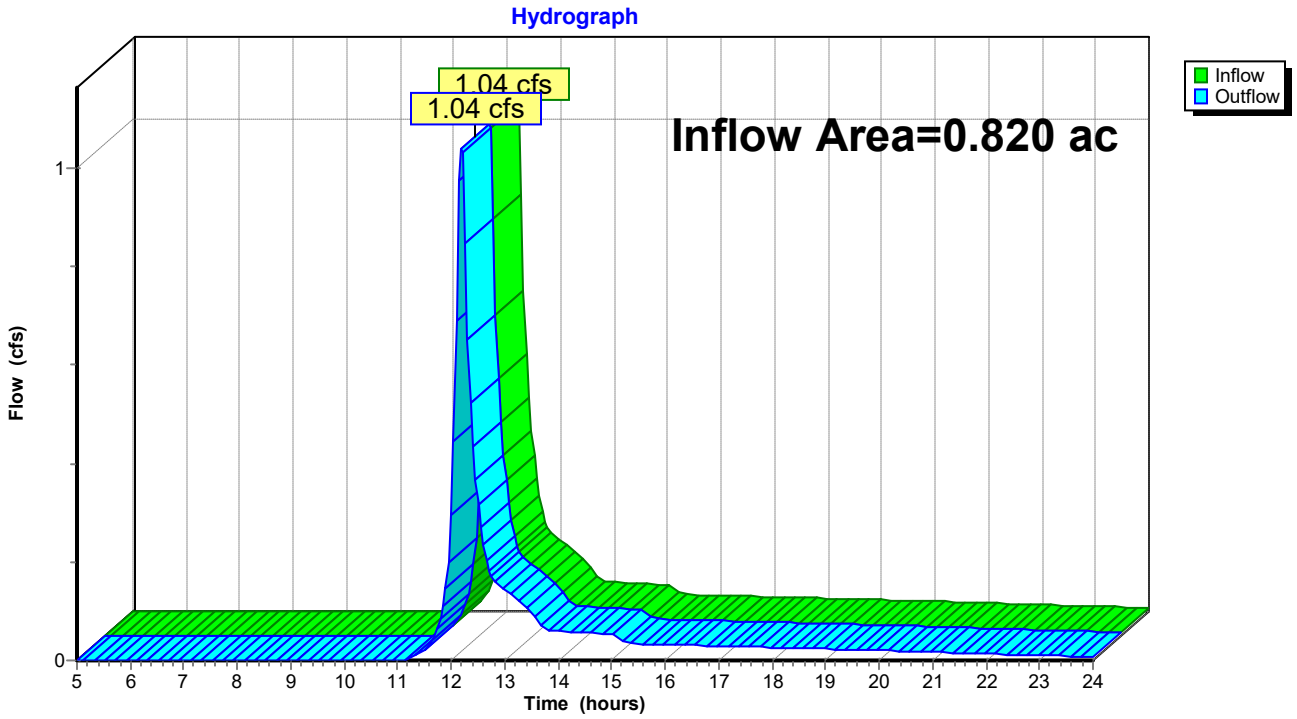


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 0.97" for 2-Year event
Inflow = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af
Outflow = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>1.99"
Tc=10.0 min CN=76 Runoff=2.17 cfs 0.136 af

Reach 1R: Street Storm System Inflow=2.17 cfs 0.136 af
Outflow=2.17 cfs 0.136 af

Summary for Subcatchment 1E: Existing Site

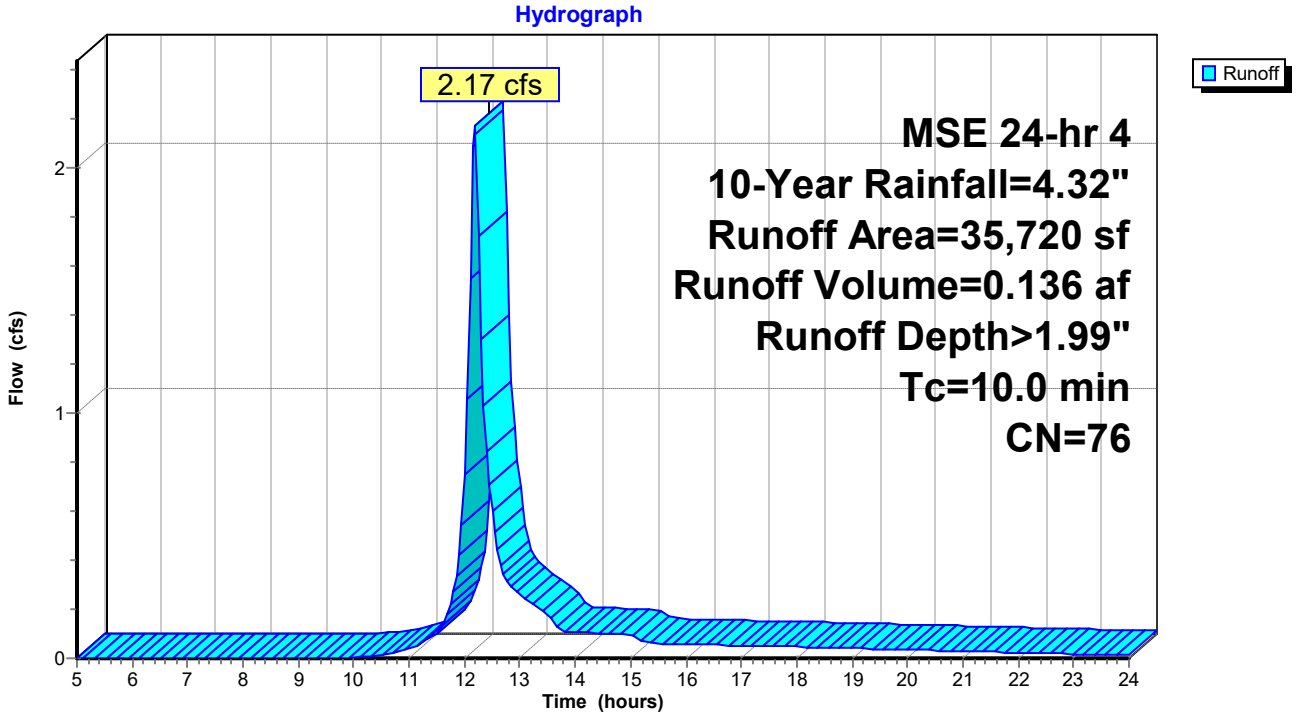
Runoff = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af, Depth> 1.99"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

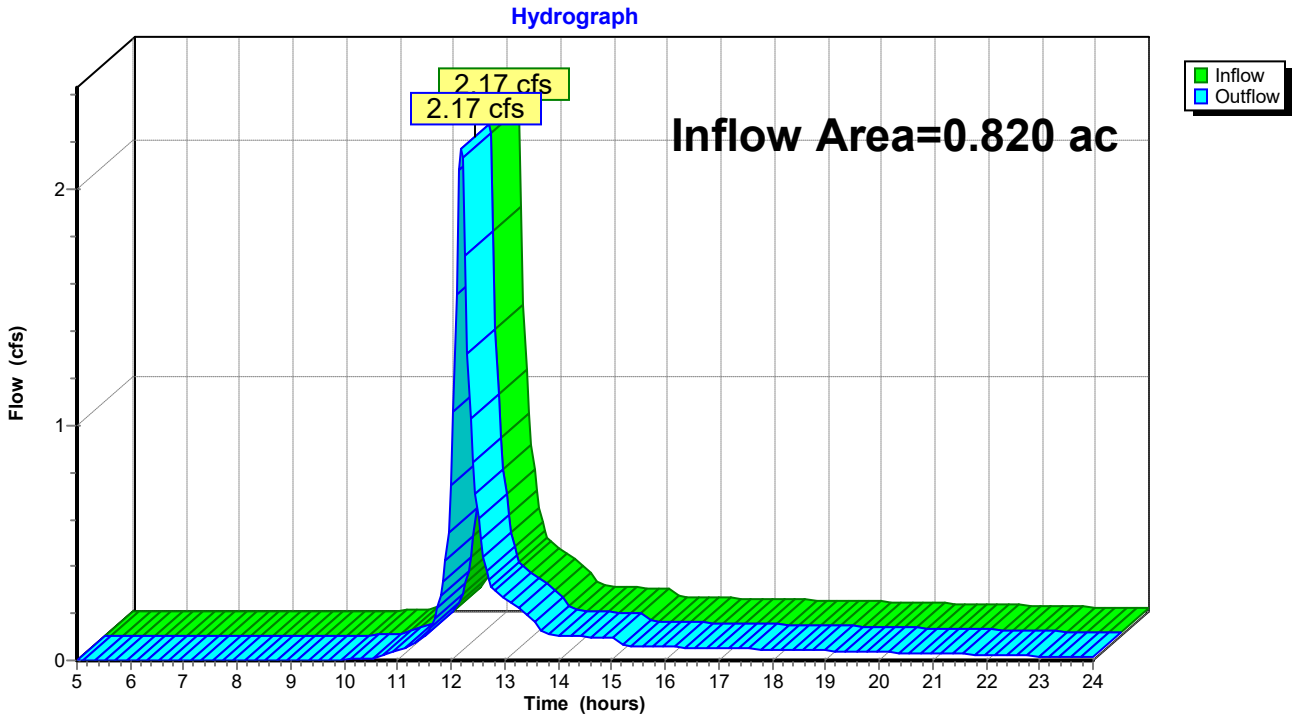


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 1.99" for 10-Year event
Inflow = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af
Outflow = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>4.53"
Tc=10.0 min CN=76 Runoff=4.93 cfs 0.310 af

Reach 1R: Street Storm System Inflow=4.93 cfs 0.310 af
Outflow=4.93 cfs 0.310 af

Summary for Subcatchment 1E: Existing Site

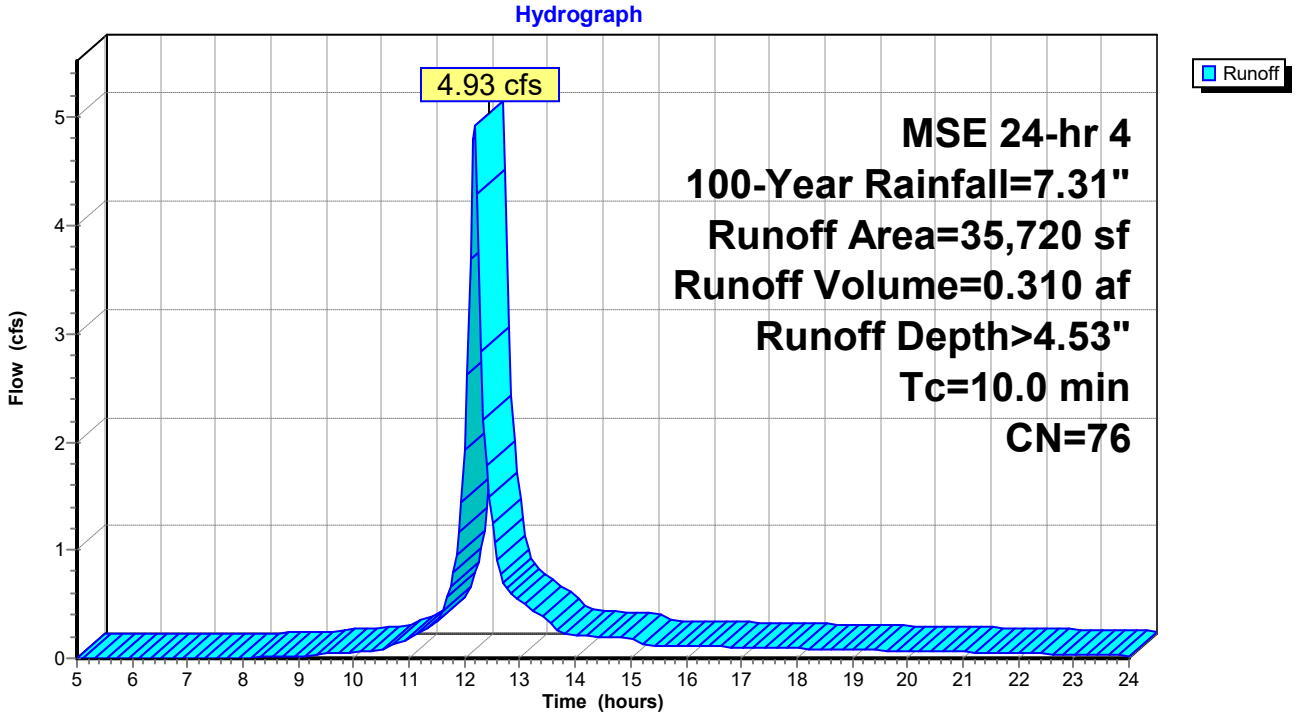
Runoff = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af, Depth> 4.53"
Routed to Reach 1R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1E: Existing Site

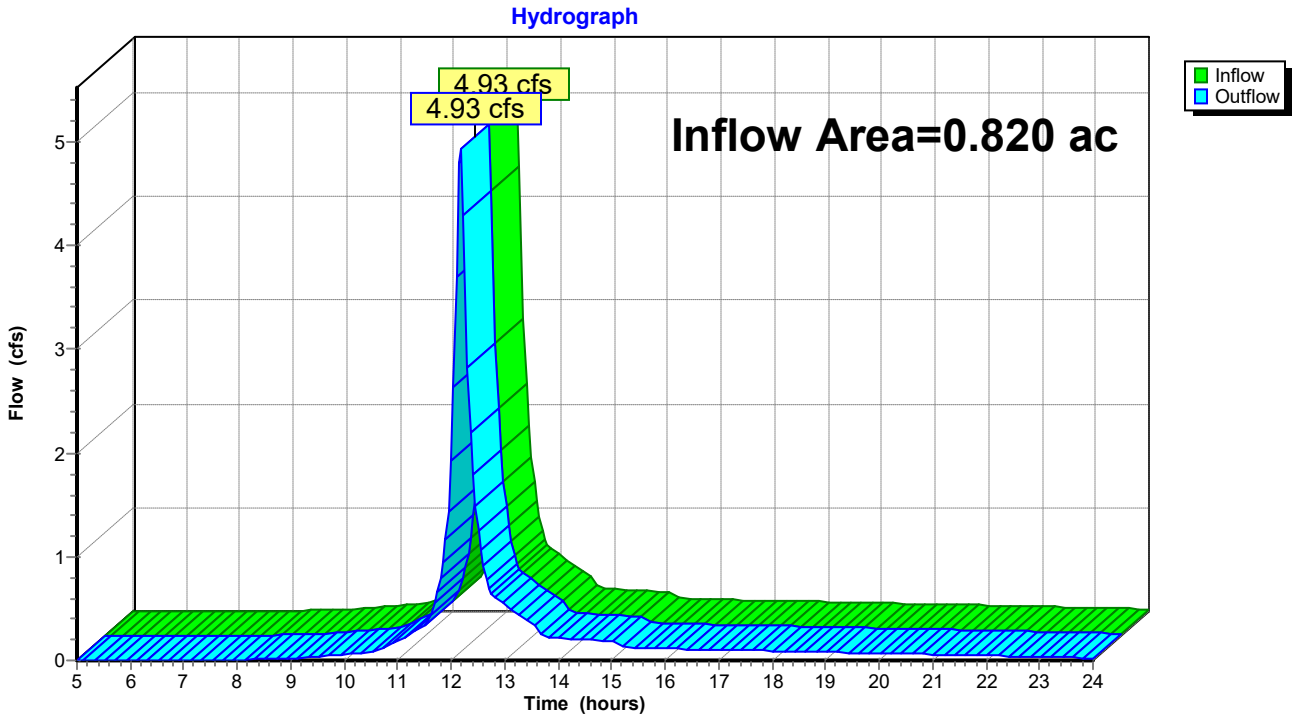


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 4.53" for 100-Year event
Inflow = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af
Outflow = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.322	61	>75% Grass cover, Good, HSG B (1S, 2S, 3S, 4S)
0.435	98	Paved parking, HSG B (1S, 2S, 4S)
0.063	98	Roofs, HSG B (2S)

Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.820	HSG B	1S, 2S, 3S, 4S
0.000	HSG C	
0.000	HSG D	
0.000	Other	

Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.322	0.000	0.000	0.000	0.322	>75% Grass cover, Good	1S, 2S, 3S, 4S
0.000	0.435	0.000	0.000	0.000	0.435	Paved parking	1S, 2S, 4S
0.000	0.063	0.000	0.000	0.000	0.063	Roofs	2S

Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	4P	669.00	667.32	30.0	0.0560	0.012	0.0	12.0	0.0	

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>1.61"
Tc=10.0 min CN=86 Runoff=0.65 cfs 0.041 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>1.93"
Tc=10.0 min CN=90 Runoff=0.86 cfs 0.055 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.34"
Tc=10.0 min CN=61 Runoff=0.03 cfs 0.003 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>0.77"
Tc=10.0 min CN=72 Runoff=0.08 cfs 0.006 af

Reach 10R: Street Storm System Inflow=0.44 cfs 0.050 af
Outflow=0.44 cfs 0.050 af

Pond 4P: Infiltration Pond Peak Elev=669.34' Storage=1,996 cf Inflow=1.53 cfs 0.098 af
Discarded=0.02 cfs 0.018 af Primary=0.41 cfs 0.045 af Secondary=0.00 cfs 0.000 af Outflow=0.43 cfs 0.063 af

Summary for Subcatchment 1S: North Area

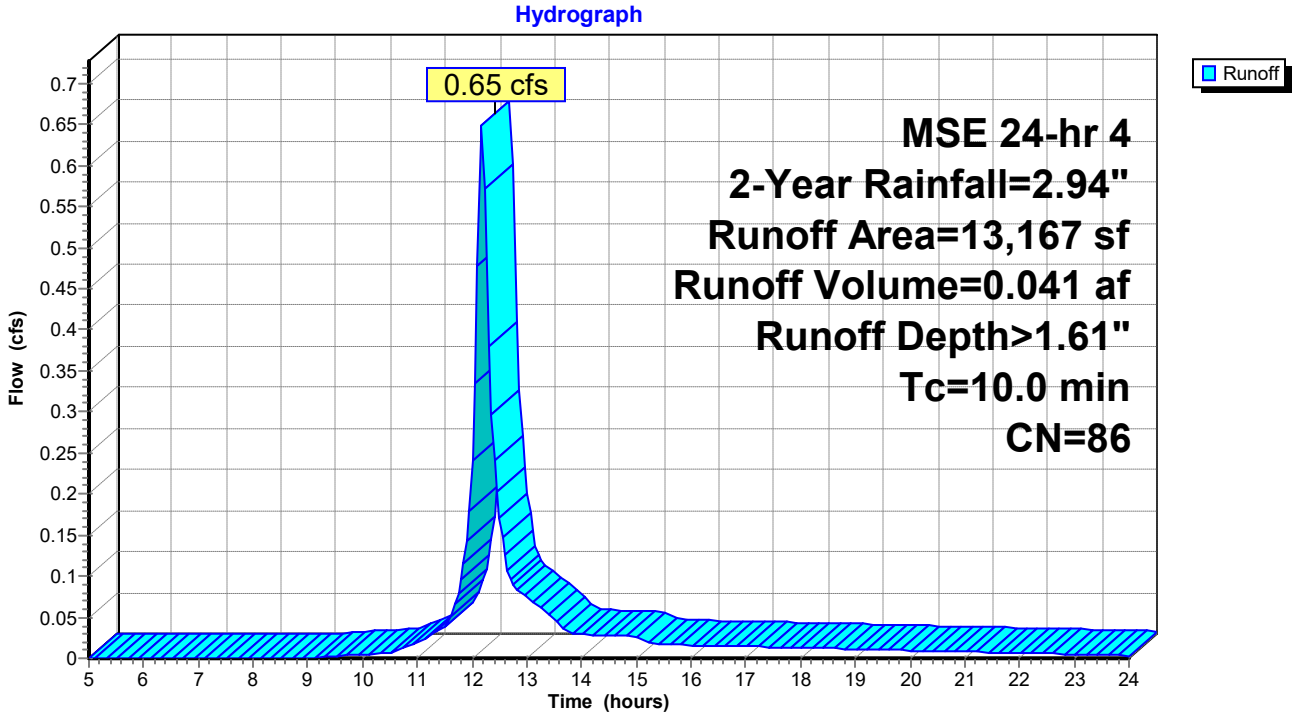
Runoff = 0.65 cfs @ 12.18 hrs, Volume= 0.041 af, Depth> 1.61"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

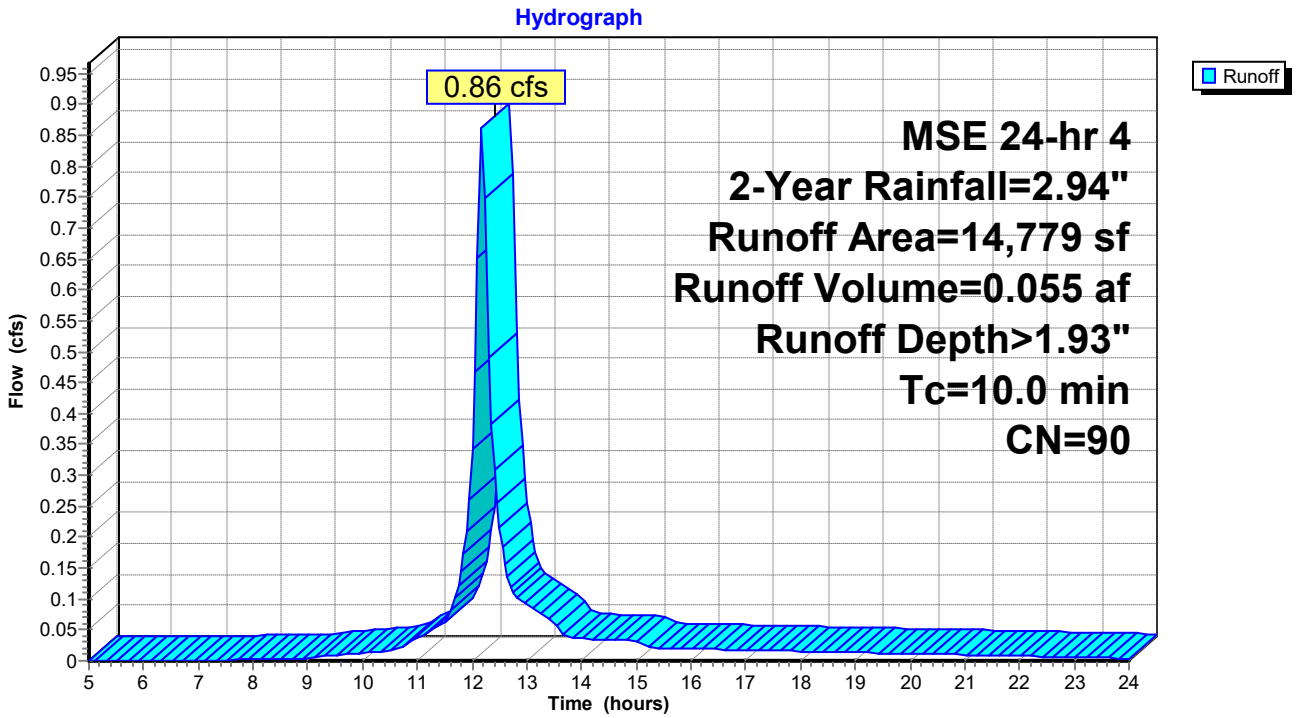
Runoff = 0.86 cfs @ 12.17 hrs, Volume= 0.055 af, Depth> 1.93"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

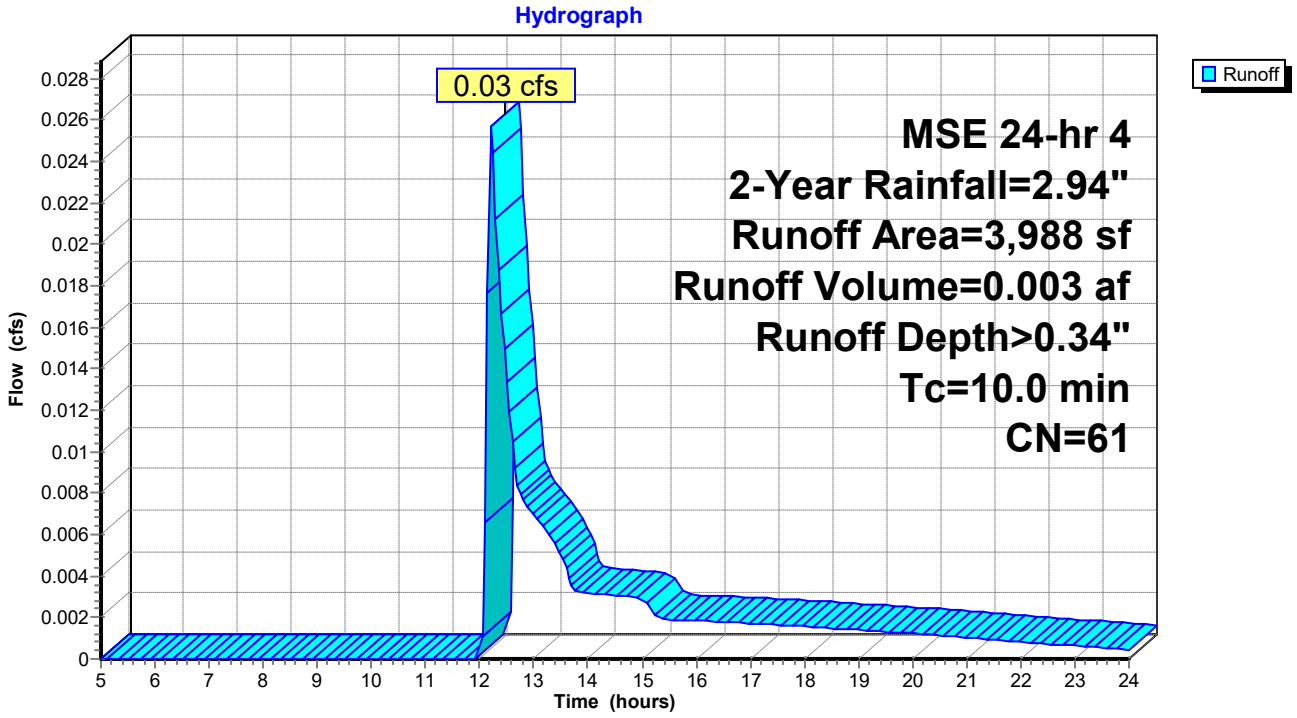
Runoff = 0.03 cfs @ 12.22 hrs, Volume= 0.003 af, Depth> 0.34"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

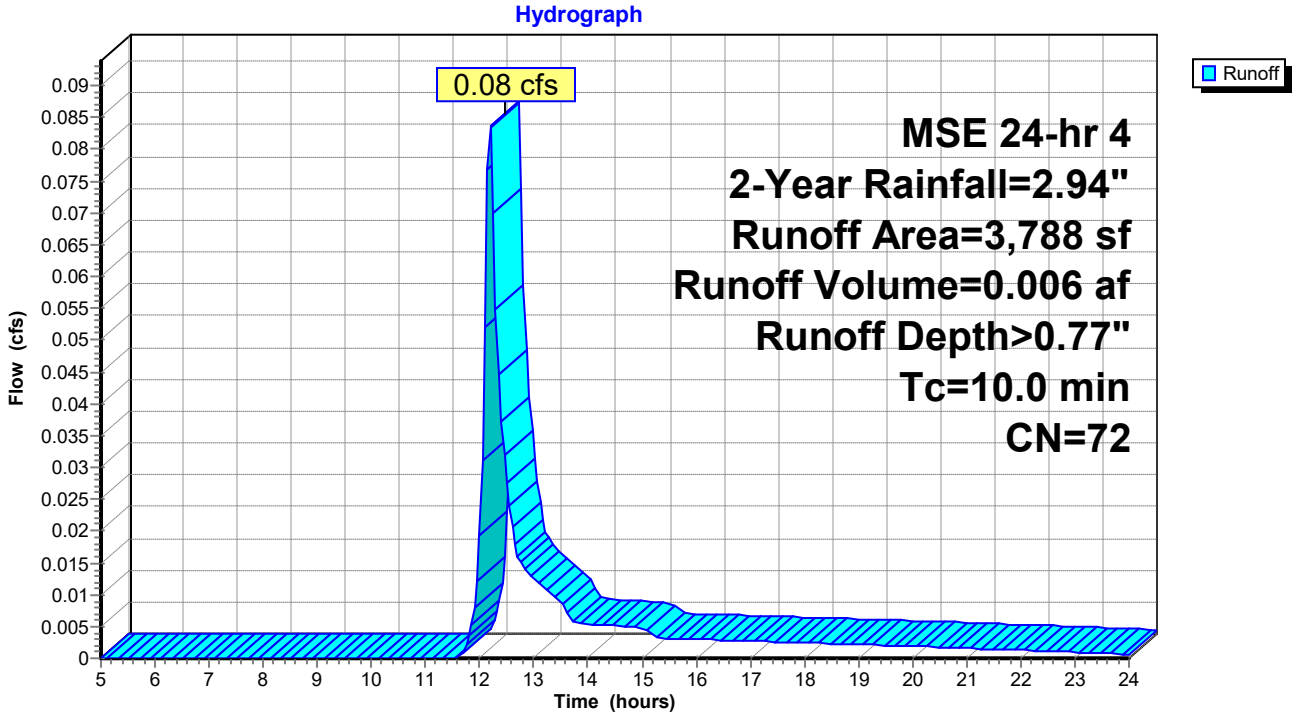
Runoff = 0.08 cfs @ 12.19 hrs, Volume= 0.006 af, Depth> 0.77"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

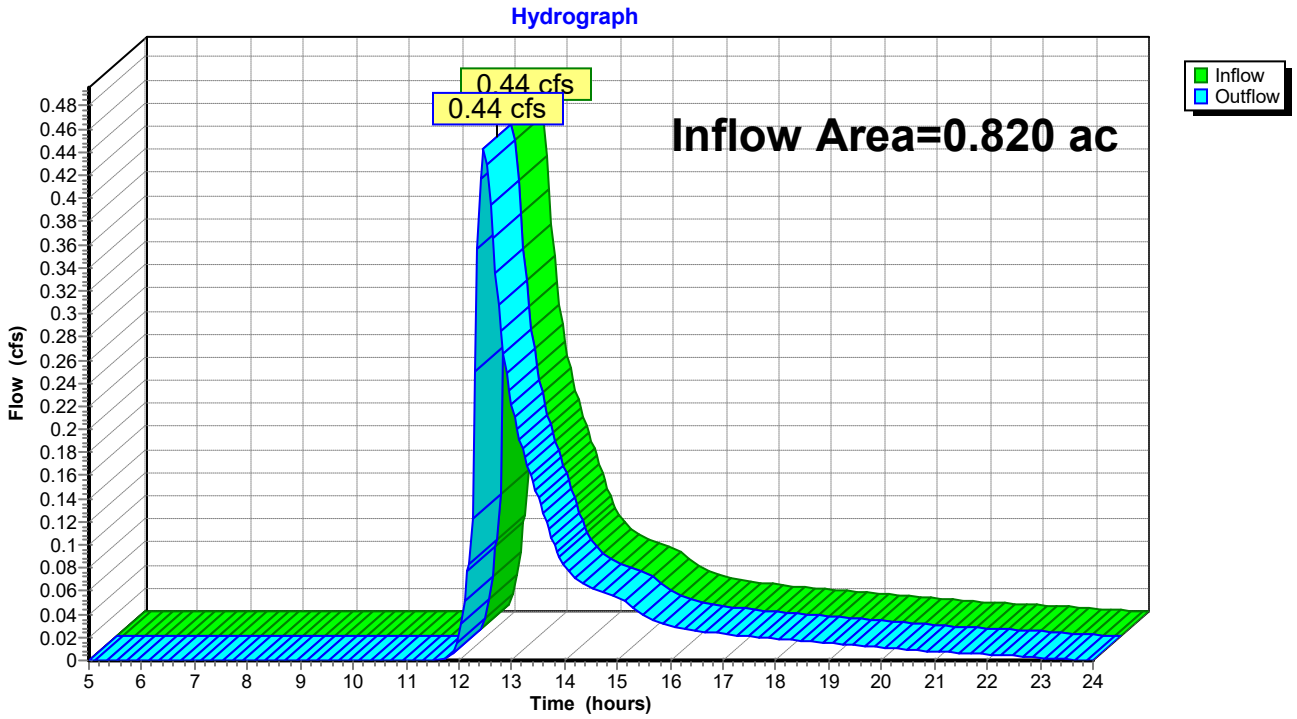


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 0.74" for 2-Year event
Inflow = 0.44 cfs @ 12.47 hrs, Volume= 0.050 af
Outflow = 0.44 cfs @ 12.47 hrs, Volume= 0.050 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 1.60" for 2-Year event
Inflow = 1.53 cfs @ 12.18 hrs, Volume= 0.098 af
Outflow = 0.43 cfs @ 12.48 hrs, Volume= 0.063 af, Atten= 72%, Lag= 18.3 min
Discarded = 0.02 cfs @ 12.48 hrs, Volume= 0.018 af
Primary = 0.41 cfs @ 12.48 hrs, Volume= 0.045 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 669.34' @ 12.48 hrs Surf.Area= 1,510 sf Storage= 1,996 cf

Plug-Flow detention time= 175.2 min calculated for 0.063 af (65% of inflow)
Center-of-Mass det. time= 86.8 min (898.1 - 811.3)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

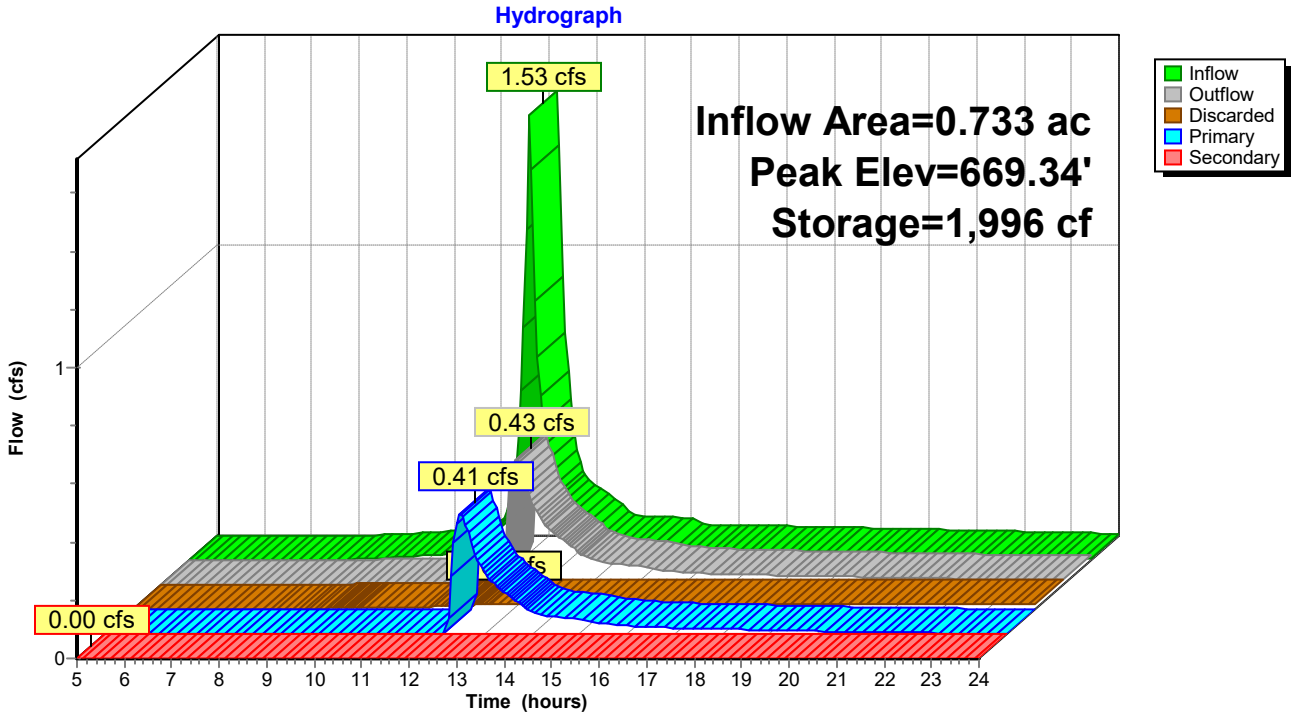
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.48 hrs HW=669.34' (Free Discharge)
3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=0.41 cfs @ 12.48 hrs HW=669.34' (Free Discharge)
2=RCP_Round 12" (Inlet Controls 0.41 cfs @ 1.75 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>2.84"
Tc=10.0 min CN=86 Runoff=1.13 cfs 0.071 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>3.22"
Tc=10.0 min CN=90 Runoff=1.41 cfs 0.091 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.98"
Tc=10.0 min CN=61 Runoff=0.11 cfs 0.007 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>1.69"
Tc=10.0 min CN=72 Runoff=0.19 cfs 0.012 af

Reach 10R: Street Storm System Inflow=1.77 cfs 0.127 af
Outflow=1.77 cfs 0.127 af

Pond 4P: Infiltration Pond Peak Elev=669.75' Storage=2,654 cf Inflow=2.64 cfs 0.170 af
Discarded=0.02 cfs 0.020 af Primary=1.64 cfs 0.114 af Secondary=0.00 cfs 0.000 af Outflow=1.66 cfs 0.135 af

Summary for Subcatchment 1S: North Area

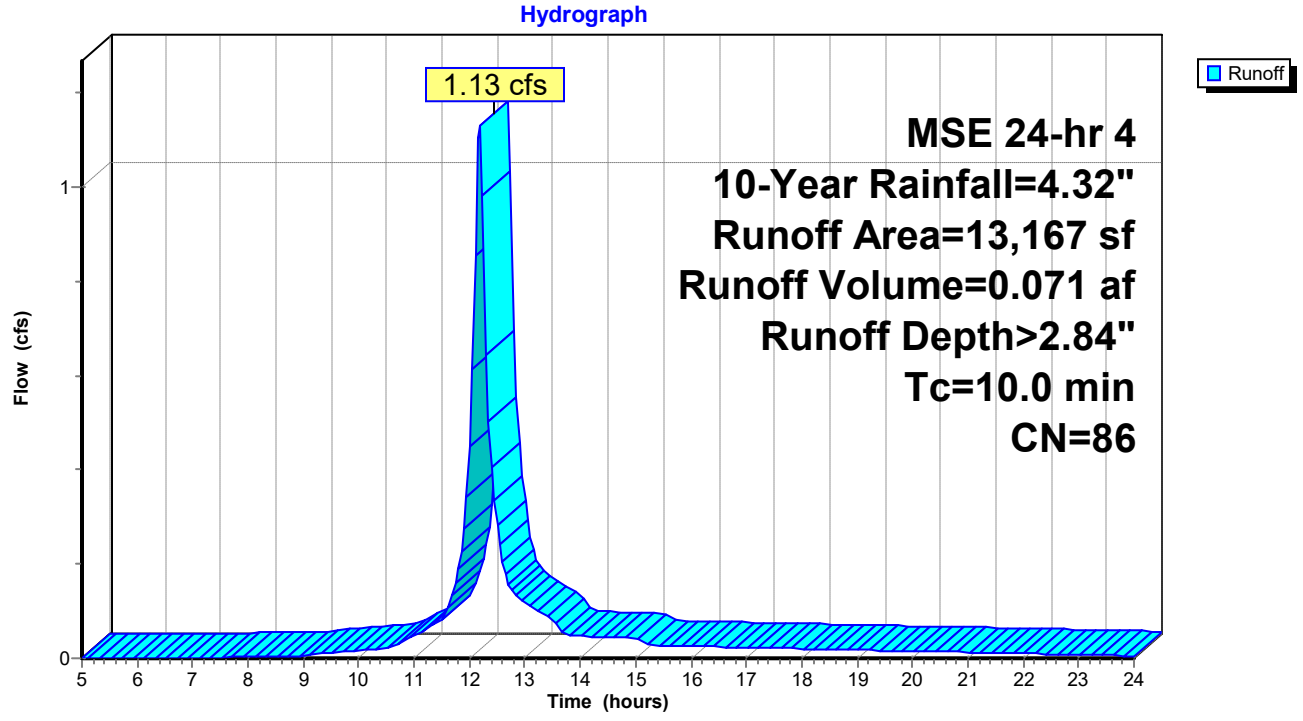
Runoff = 1.13 cfs @ 12.17 hrs, Volume= 0.071 af, Depth> 2.84"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

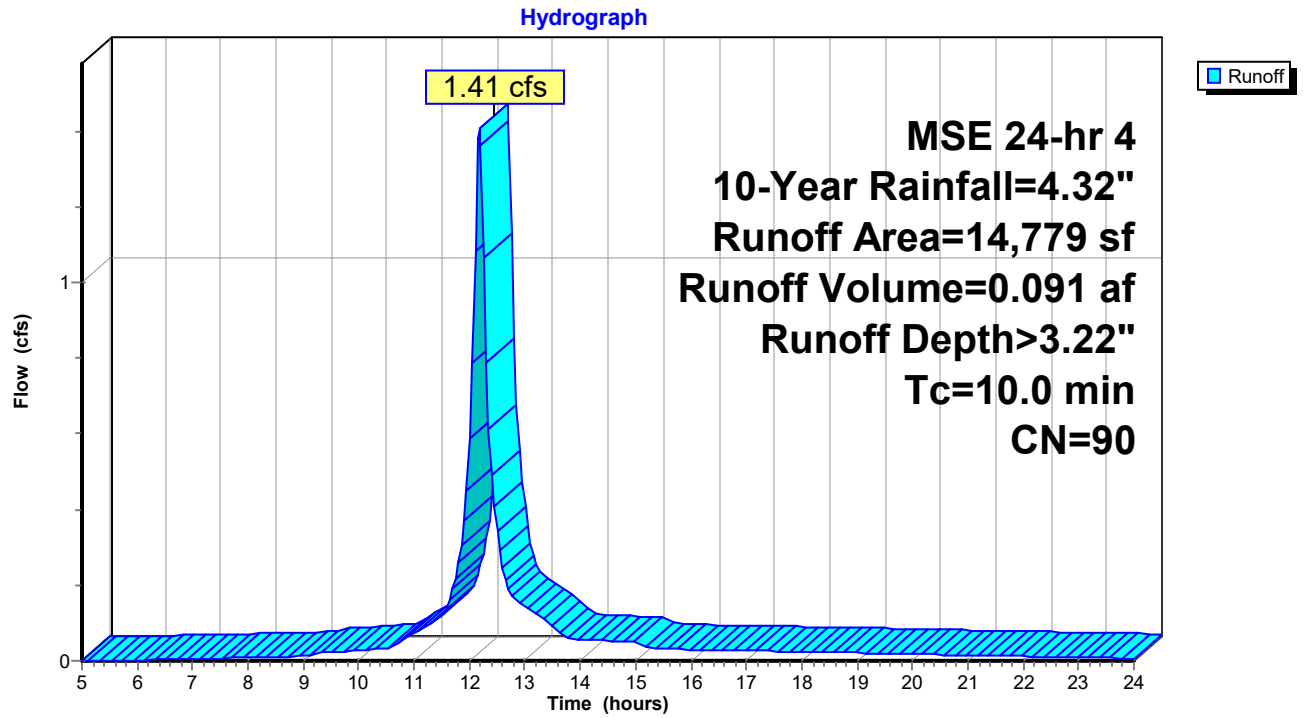
Runoff = 1.41 cfs @ 12.17 hrs, Volume= 0.091 af, Depth> 3.22"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

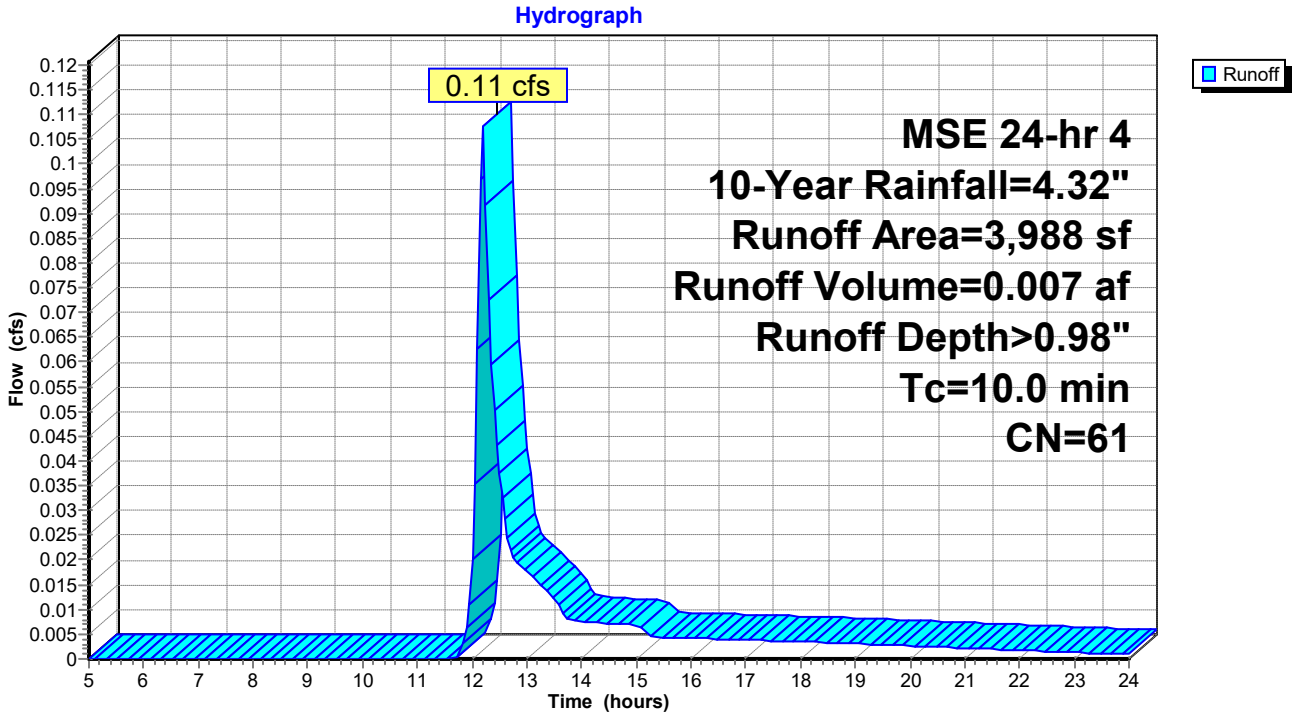
Runoff = 0.11 cfs @ 12.20 hrs, Volume= 0.007 af, Depth> 0.98"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

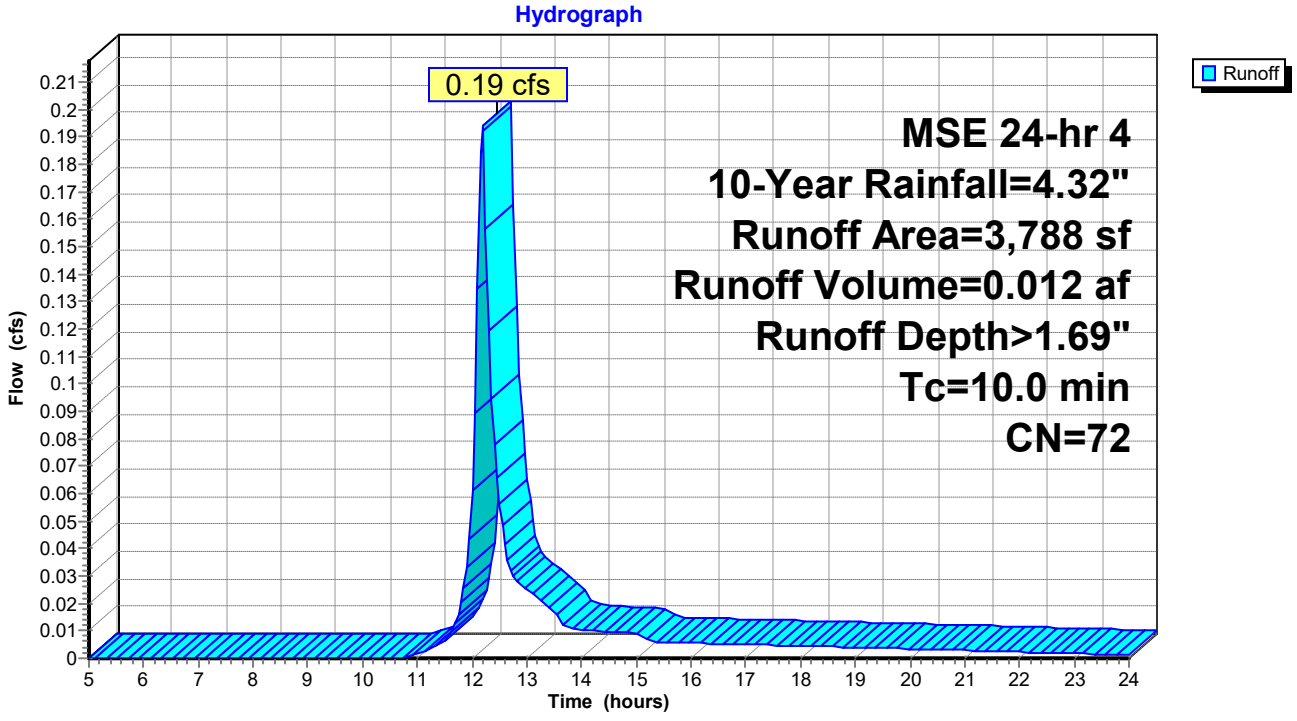
Runoff = 0.19 cfs @ 12.18 hrs, Volume= 0.012 af, Depth> 1.69"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

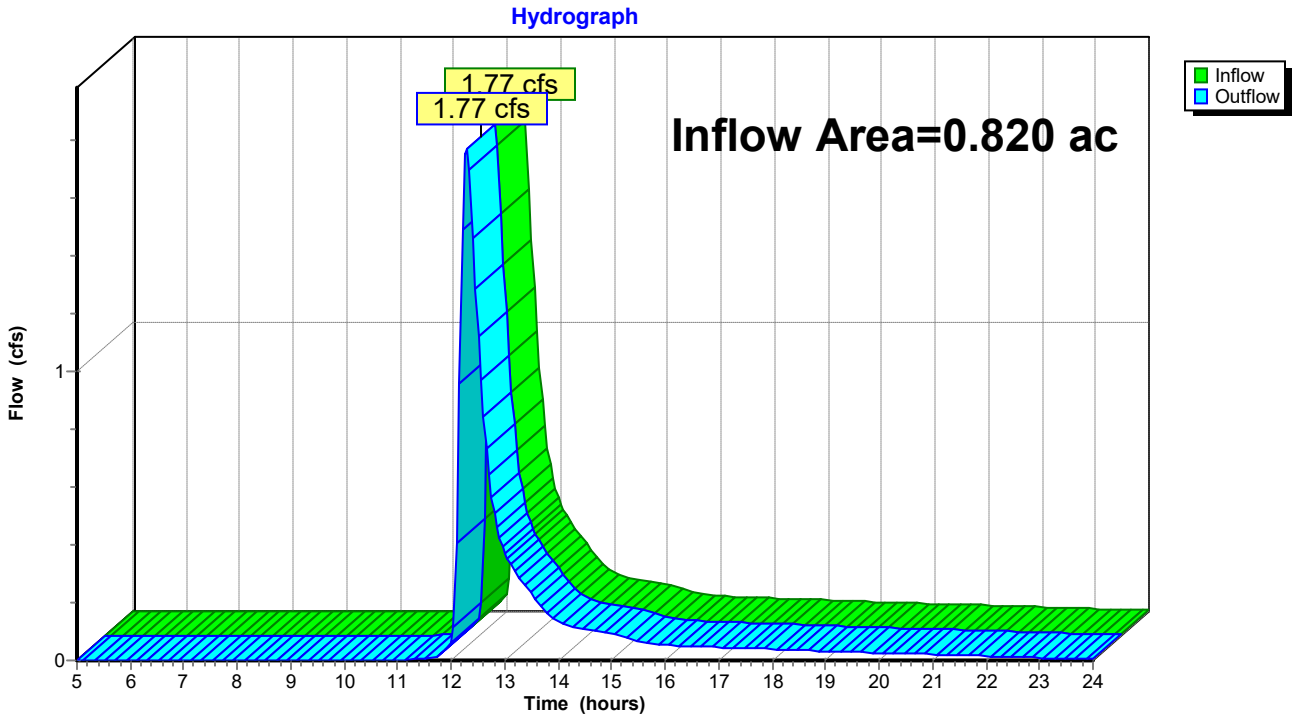


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 1.85" for 10-Year event
Inflow = 1.77 cfs @ 12.28 hrs, Volume= 0.127 af
Outflow = 1.77 cfs @ 12.28 hrs, Volume= 0.127 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 2.78" for 10-Year event
Inflow = 2.64 cfs @ 12.17 hrs, Volume= 0.170 af
Outflow = 1.66 cfs @ 12.29 hrs, Volume= 0.135 af, Atten= 37%, Lag= 7.0 min
Discarded = 0.02 cfs @ 12.29 hrs, Volume= 0.020 af
Primary = 1.64 cfs @ 12.29 hrs, Volume= 0.114 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 669.75' @ 12.29 hrs Surf.Area= 1,699 sf Storage= 2,654 cf

Plug-Flow detention time= 120.2 min calculated for 0.135 af (79% of inflow)
Center-of-Mass det. time= 50.3 min (849.6 - 799.3)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

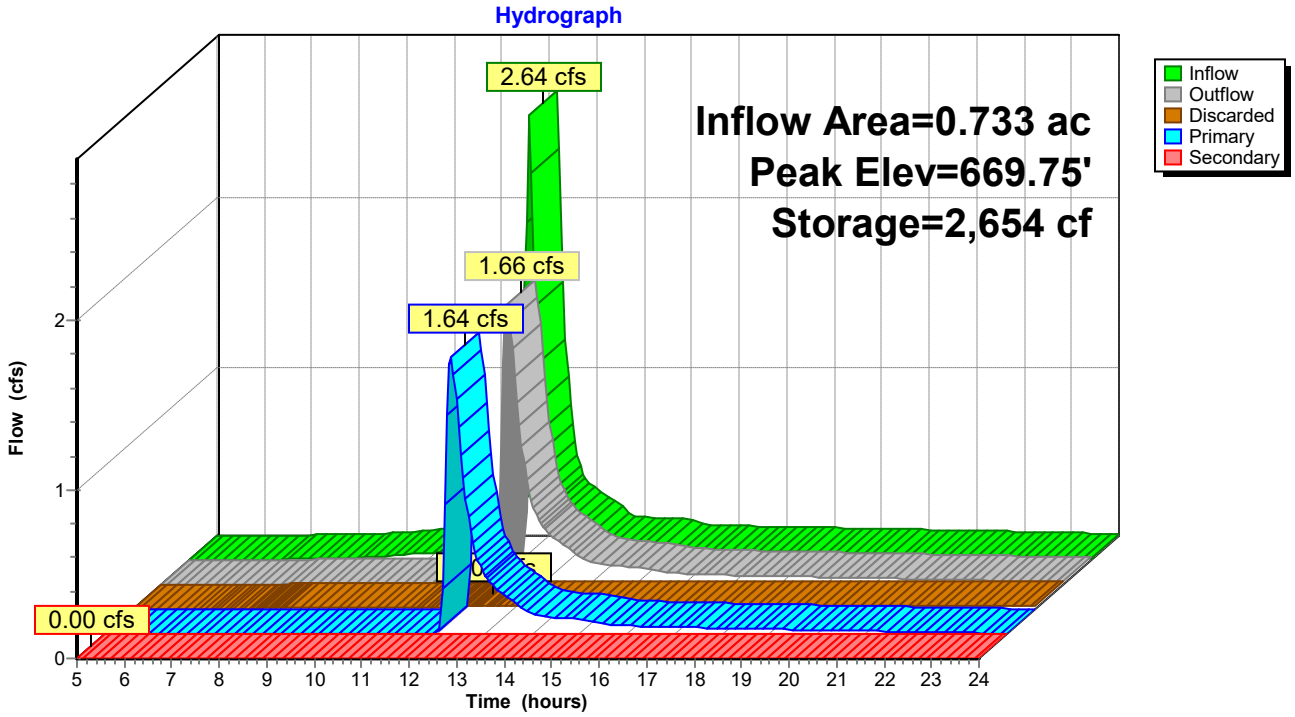
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.29 hrs HW=669.75' (Free Discharge)
3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=1.63 cfs @ 12.29 hrs HW=669.75' (Free Discharge)
2=RCP_Round 12" (Inlet Controls 1.63 cfs @ 2.60 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=86 Runoff=2.18 cfs 0.143 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>6.12"
Tc=10.0 min CN=90 Runoff=2.58 cfs 0.173 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>2.92"
Tc=10.0 min CN=61 Runoff=0.36 cfs 0.022 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>4.09"
Tc=10.0 min CN=72 Runoff=0.47 cfs 0.030 af

Reach 10R: Street Storm System Inflow=3.58 cfs 0.308 af
Outflow=3.58 cfs 0.308 af

Pond 4P: Infiltration Pond Peak Elev=670.44' Storage=3,946 cf Inflow=5.12 cfs 0.338 af
Discarded=0.02 cfs 0.023 af Primary=3.23 cfs 0.278 af Secondary=0.00 cfs 0.000 af Outflow=3.26 cfs 0.301 af

Summary for Subcatchment 1S: North Area

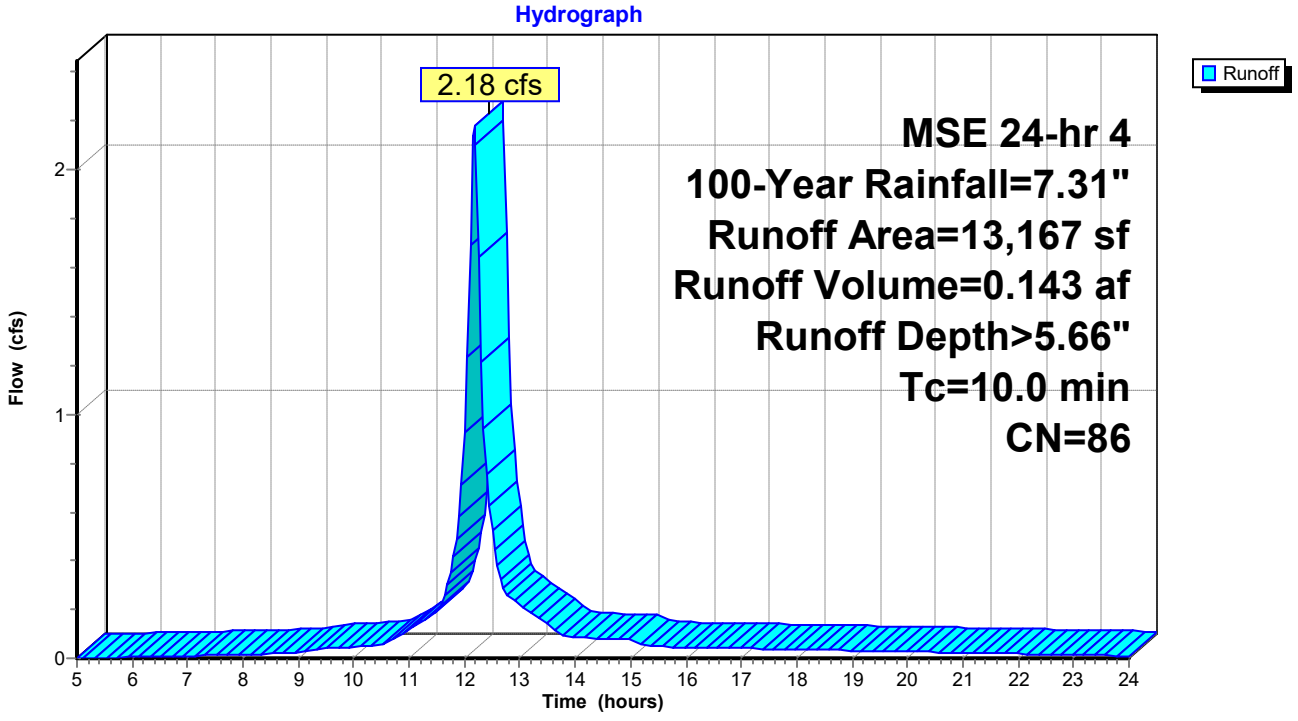
Runoff = 2.18 cfs @ 12.17 hrs, Volume= 0.143 af, Depth> 5.66"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 1S: North Area



Summary for Subcatchment 2S: South Area

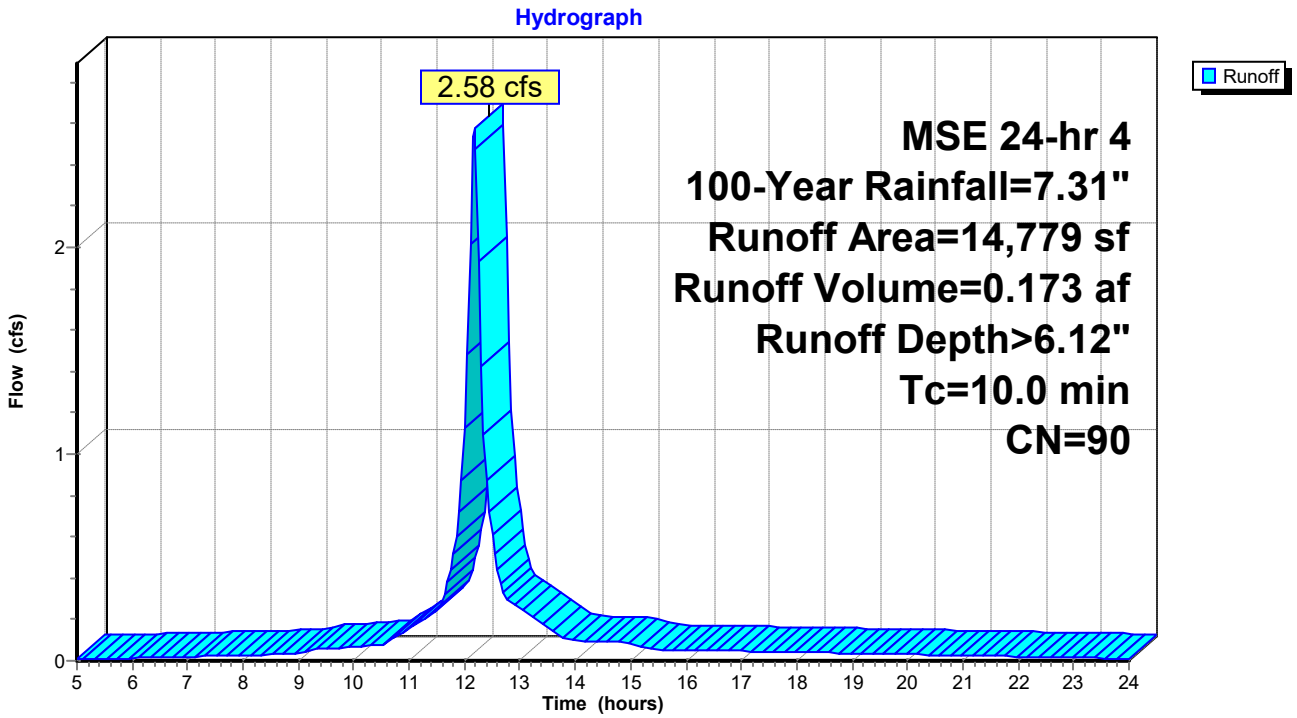
Runoff = 2.58 cfs @ 12.17 hrs, Volume= 0.173 af, Depth> 6.12"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 2S: South Area



Summary for Subcatchment 3S: Pond Area

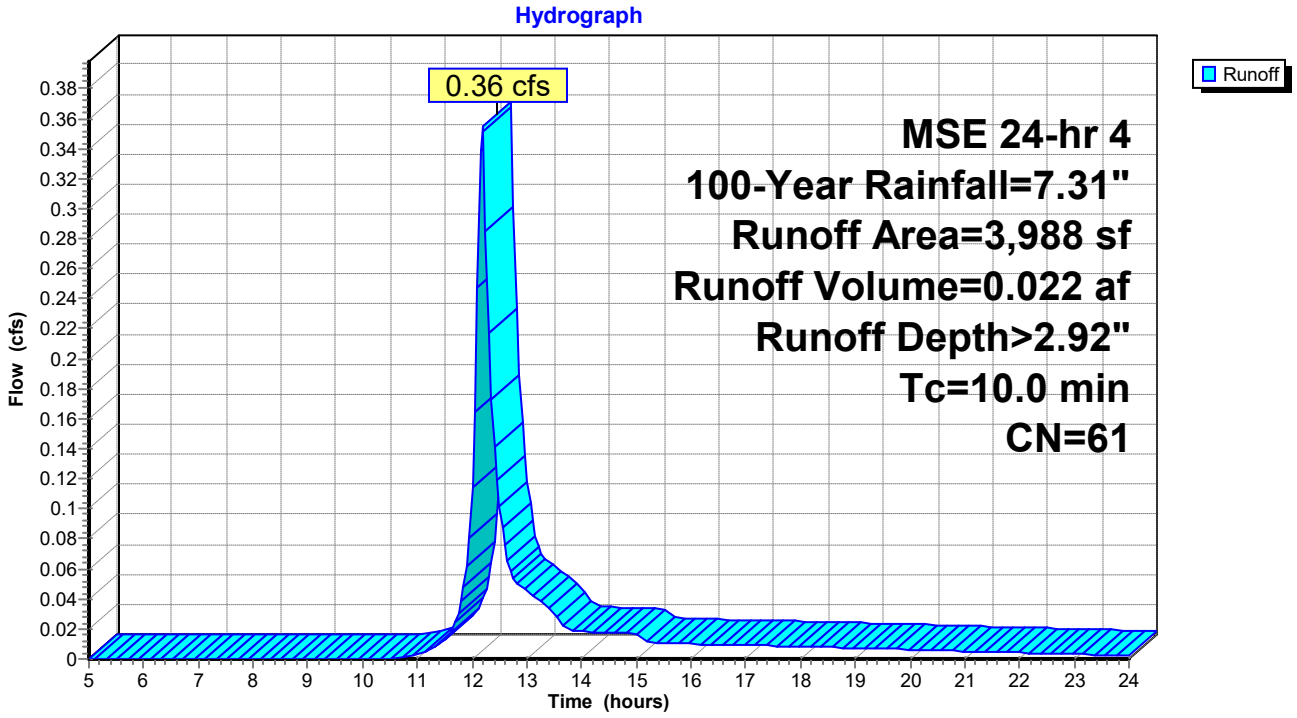
Runoff = 0.36 cfs @ 12.18 hrs, Volume= 0.022 af, Depth> 2.92"
Routed to Pond 4P : Infiltration Pond

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainge Area**

Subcatchment 3S: Pond Area



Summary for Subcatchment 4S: Uncaptured Area

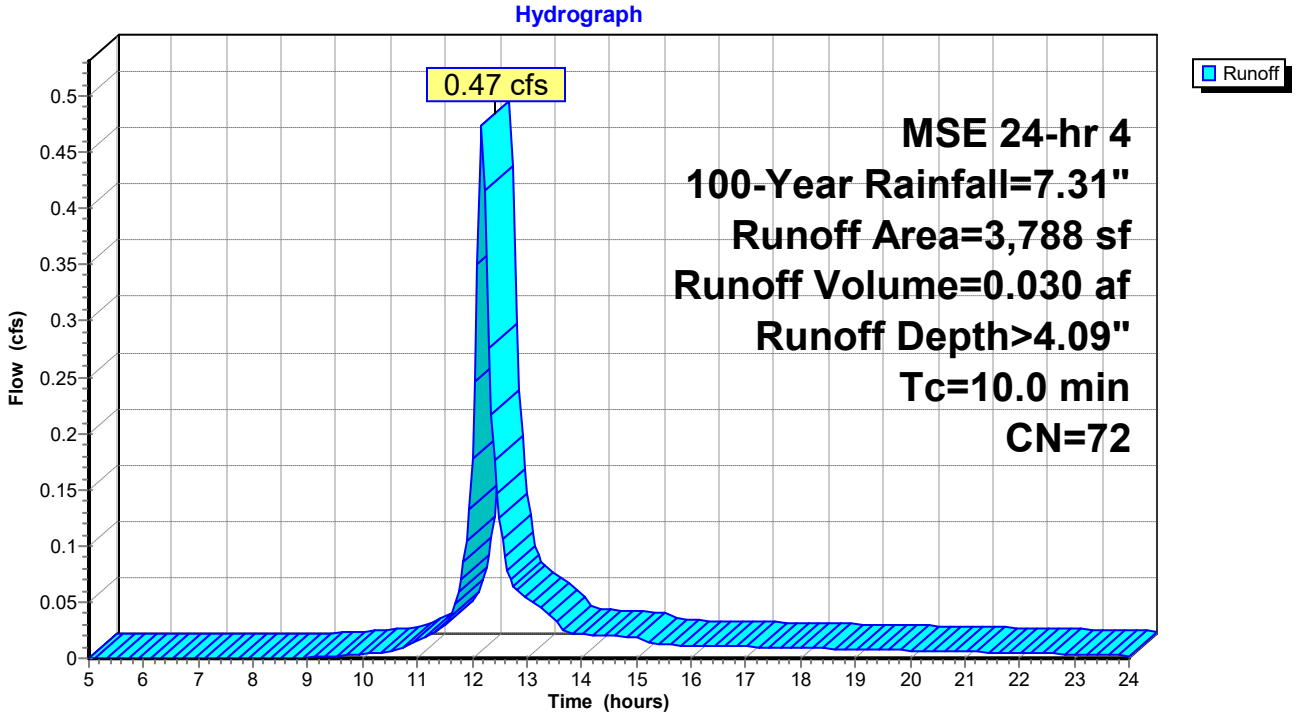
Runoff = 0.47 cfs @ 12.18 hrs, Volume= 0.030 af, Depth> 4.09"
Routed to Reach 10R : Street Storm System

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					**Direct Entry, Small Drainage Area**

Subcatchment 4S: Uncaptured Area

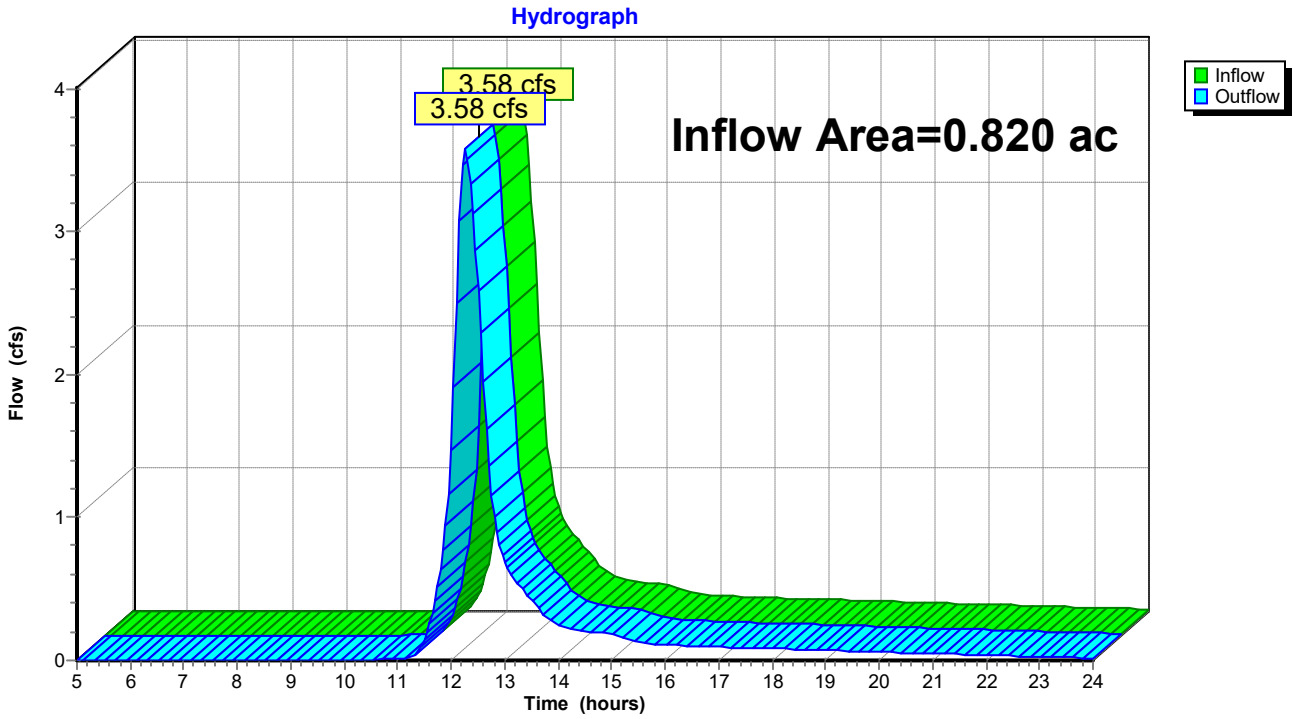


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 4.51" for 100-Year event
Inflow = 3.58 cfs @ 12.25 hrs, Volume= 0.308 af
Outflow = 3.58 cfs @ 12.25 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 5.53" for 100-Year event
Inflow = 5.12 cfs @ 12.17 hrs, Volume= 0.338 af
Outflow = 3.26 cfs @ 12.28 hrs, Volume= 0.301 af, Atten= 36%, Lag= 6.6 min
Discarded = 0.02 cfs @ 12.28 hrs, Volume= 0.023 af
Primary = 3.23 cfs @ 12.28 hrs, Volume= 0.278 af
Routed to Reach 10R : Street Storm System
Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 670.44' @ 12.28 hrs Surf.Area= 2,065 sf Storage= 3,946 cf

Plug-Flow detention time= 83.6 min calculated for 0.301 af (89% of inflow)
Center-of-Mass det. time= 36.5 min (821.5 - 785.0)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	**Custom Stage Data (Prismatic)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

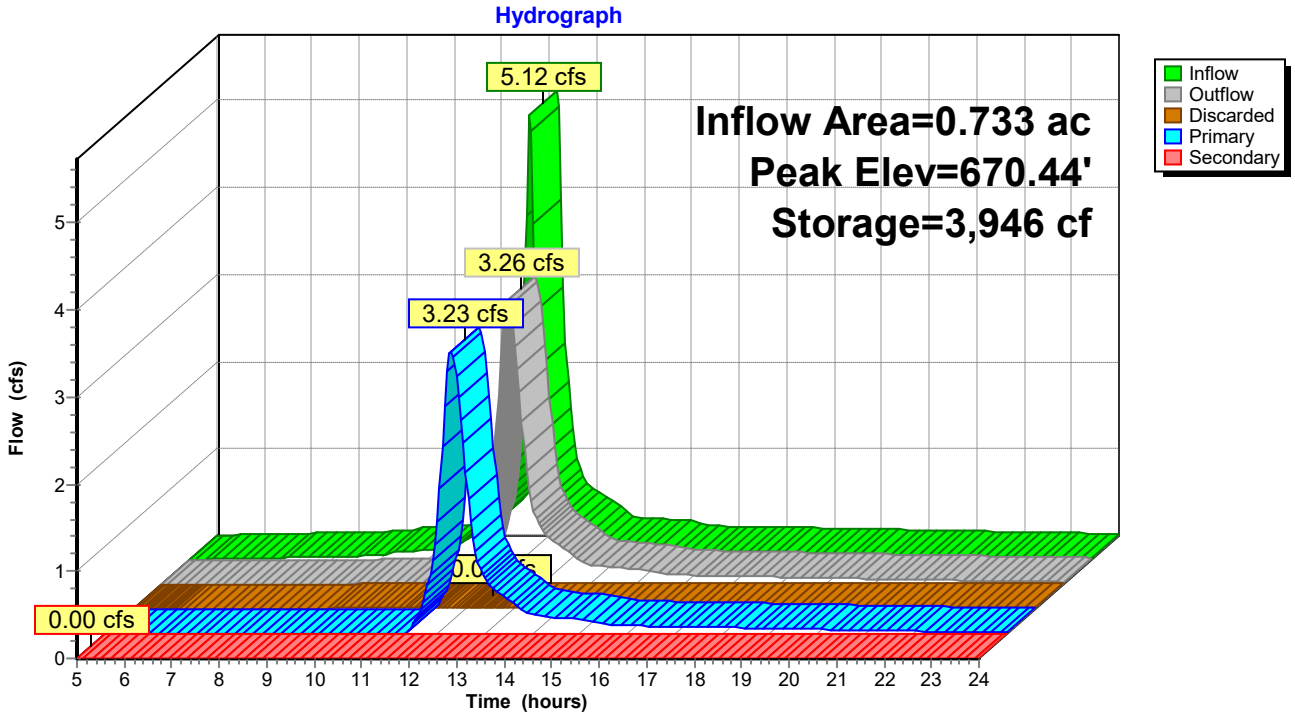
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	**4.0' long x 4.0' breadth Broad-Crested Rectangular Weir** Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	**12.0" Round RCP_Round 12"** L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = 620.00'

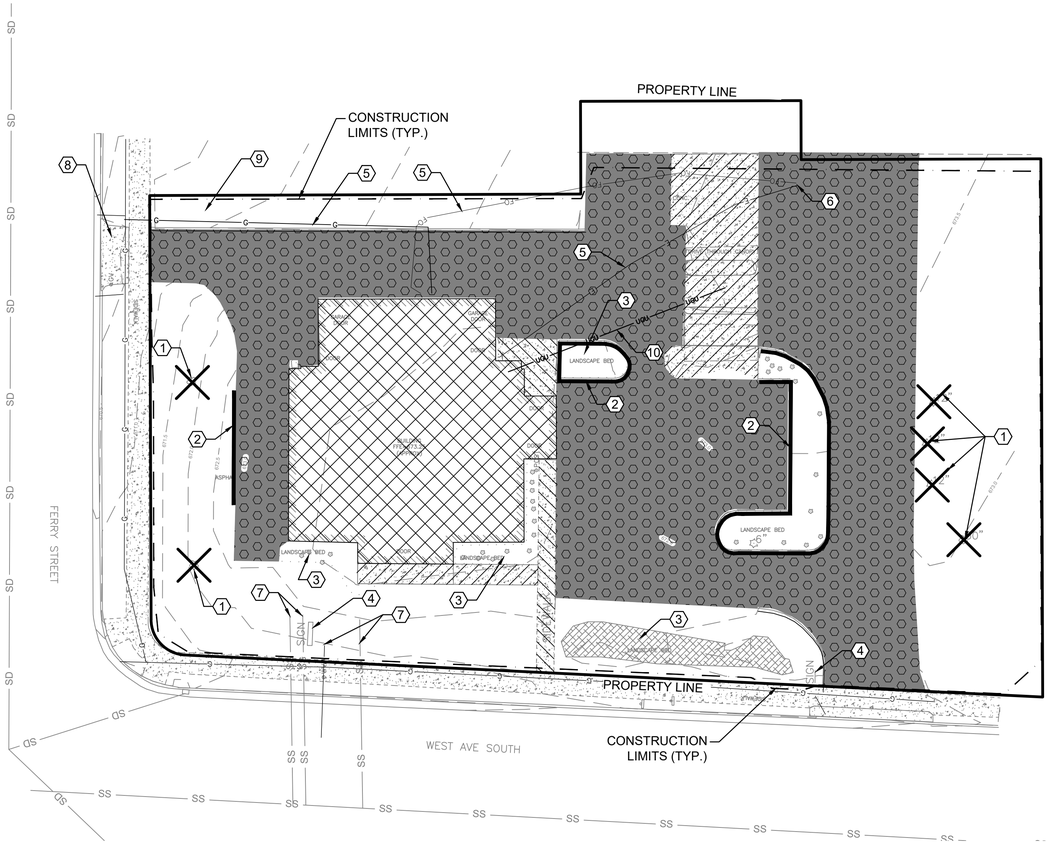
Discarded OutFlow Max=0.02 cfs @ 12.28 hrs HW=670.43' (Free Discharge)
3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=3.22 cfs @ 12.28 hrs HW=670.43' (Free Discharge)
2=RCP_Round 12" (Inlet Controls 3.22 cfs @ 4.10 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond





CALL 48 HOURS BEFORE DIGGING:

DIGGERS HOTLINE

(800) 242-8511

N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING GAS MAIN
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND UTILITY
- SAWCUT LINE
- REMOVE EXISTING CONCRETE C&G
- REMOVE BITUMINOUS PAVEMENT
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING BUILDING
- REMOVE EXISTING TREE

DEMOLITION NOTES

1. UTILITIES SHOWN HERE ARE FOR INFORMATIONAL USE ONLY AND ARE NOT GUARANTEED IN THEIR ACCURACY. VERIFY WORK. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
2. CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATOR AS NECESSARY TO VERIFY UNDERGROUND UTILITIES. UTILITIES SHOWN ON PLANS MAY VARY FROM EXISTING CONDITIONS, AND CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITY LINES SHOWN, NOT SHOWN, OR SHOWN INCORRECTLY.
3. ALL UNDERGROUND UTILITIES MUST BE LOCATED PRIOR TO EXCAVATION OR GRADING ON SITE. CALL WISCONSIN ONE-CALL AT 800-242-8511 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO SCHEDULE UTILITY LOCATIONS FOR THIS SITE. CONTRACTOR TO REPAIR ANY DAMAGED UNDERGROUND UTILITIES DURING CONSTRUCTION AT NO COST TO OWNER.
4. CONTRACTOR SHALL PROVIDE DIGITAL RECORD OF ALL EXISTING CONDITIONS TO REMAIN IN PLACE THAT MAYBE DAMAGED CAUSED BY REGULAR CONSTRUCTION OPERATIONS.
5. CONTRACTOR TO VERIFY EXISTING INVERT ELEVATIONS, SIZE, AND TYPE OF ALL SANITARY, STORM, AND WATERMAIN CONNECTION LOCATIONS PRIOR TO INSTALLATION. NOTIFY ENGINEER & OWNER OF DISCREPANCIES WITHIN 24 HOURS OF DISCOVERY.
6. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION, REMOVAL, AND DISPOSAL.
7. ALL MATERIAL DESIGNATED FOR REMOVAL TO BECOME PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL HAUL MATERIAL OFF-SITE AND DISPOSE IN A RESPONSIBLE MANNER.
8. CONTRACTOR TO COORDINATE WITH SMALL UTILITY OWNER FOR REMOVAL/REPLACEMENT WORK.
9. CONTRACTOR TO REVIEW ALL TREE AND OTHER SIGNIFICANT LANDSCAPE REMOVAL LIMITS WITH OWNER PRIOR TO CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING TREE (TYP)
2. REMOVE EXISTING CONCRETE CURB & GUTTER
3. REMOVE LANDSCAPE AREAS. REFER TO SITE GEOTECHNICAL REPORT FOR MORE INFORMATION ON SUBGRADE ORGANIC REMOVALS.
4. REMOVE EXISTING SIGN.
5. REMOVE AND RELOCATE UNDERGROUND ELECTRIC, GAS, AND FIBER OPTIC LINES. CONTRACTOR TO COORDINATE WITH RESPECTIVE SMALL UTILITY OWNER ON RELOCATED LOCATION.
6. REMOVE EXISTING POWER POLE
7. CONTRACTOR TO REMOVE EXISTING BUILDING WATER AND SANITARY SERVICE TO PROPERTY LINE. BEFORE CONSTRUCTION ACTIVITIES BEGIN, FIELD VERIFY VIA EXCAVATION OR PRIVATE UTILITY LOCATE EXACT LOCATION OF WATER AND SANITARY SEWER CONNECTION TO CITY INFRASTRUCTURE. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF DISCREPANCIES FROM THE PLANS ARE FOUND.
8. CONTRACTOR TO COORDINATE WITH CITY ON APRON AND SIDEWALK INSTALLATION WITH TIMING TO STREET RECONSTRUCTION
9. CLEAR AND GRUB EXISTING TREE LINE PER OWNERS DIRECTION
10. CONTRACTOR TO LOCATE AND REMOVE EXISTING 32" TUBE SYSYTEM ENTIRELY

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Minneapolis
Bismarck

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Hopkins, MN. 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026

REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

#	03/02/2026
REG. NO.	DATE

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Anderson Engineering of Minnesota, LLC

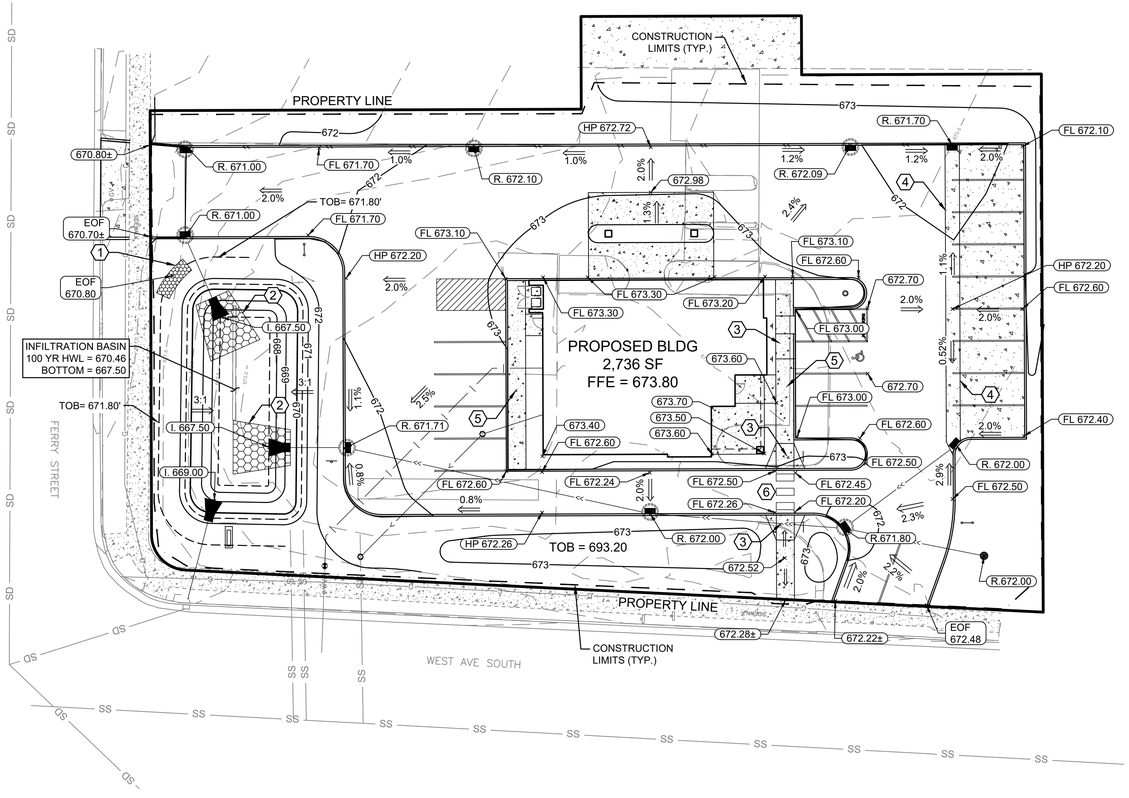
DEMOLITION PLAN

DRAWN BY: BN CHECKED BY: BF

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0 20' 40'

LEGEND

	PROPERTY LIMITS
	CONSTRUCTION LIMITS
672	EXISTING MINOR CONTOUR
670	EXISTING MAJOR CONTOUR
672	PROPOSED MINOR CONTOUR
670	PROPOSED MAJOR CONTOUR
2.0%	DRAINAGE ARROW
	PROPOSED CONCRETE C&G

SPOT ELEVATION KEY

±	EXISTING GRADE
FL	GUTTER FLOW LINE
HP	HIGH POINT ELEVATION
R	RIM ELEVATION
I	INVERT ELEVATION
EOF	EMERGENCY OVERFLOW ELEVATION
FFE	FINISHED FLOOR ELEVATION
TOB	TOP OF BEARM ELEVATION

CONTRACTOR NOTES

1. DISTURBED AREA IS EQUAL TO 0.77 ACRES. WISCONSIN DNR STORMWATER PERMIT WILL NOT BE REQUIRED FOR THIS PROJECT.
2. PROPOSED SPOT ELEVATIONS ARE TO TOP OF FINISHED SURFACE UNLESS OTHERWISE NOTED IN LEGEND.
3. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES. LOCATIONS OF UTILITIES SHOWN BASED ON SURVEY AND AS-BUILT INFORMATION AND MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR UTILIZING UTILITY LOCATES PRIOR TO STARTING ANY WORK.
4. SEE SHEET C3 FOR EROSION AND SEDIMENT CONTROL PLAN.

KEY NOTES

1. INSTALL RIP-RAP AT OVERFLOW PER WISDOT SPEC SECTION 606
2. INSTALL RIP-RAP AT FES LOCATIONS PER WISDOT SPEC SECTION 606
3. INSTALL ACCESSIBLE PEDESTRIAN RAMP
4. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER
5. SIDE WALK TO TIP AWAY FROM BUILDING AT A MINIMUM OF 1.8% UNLESS NOTED OTHERWISE
6. PEDESTRIAN CROSS WALK. MAINTAIN CROSS SLOPE OF 2.0% MAXIMUM. SEE ARCHITECTURE PLANS FOR MORE DETAILS.

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Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

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#	03/02/2026

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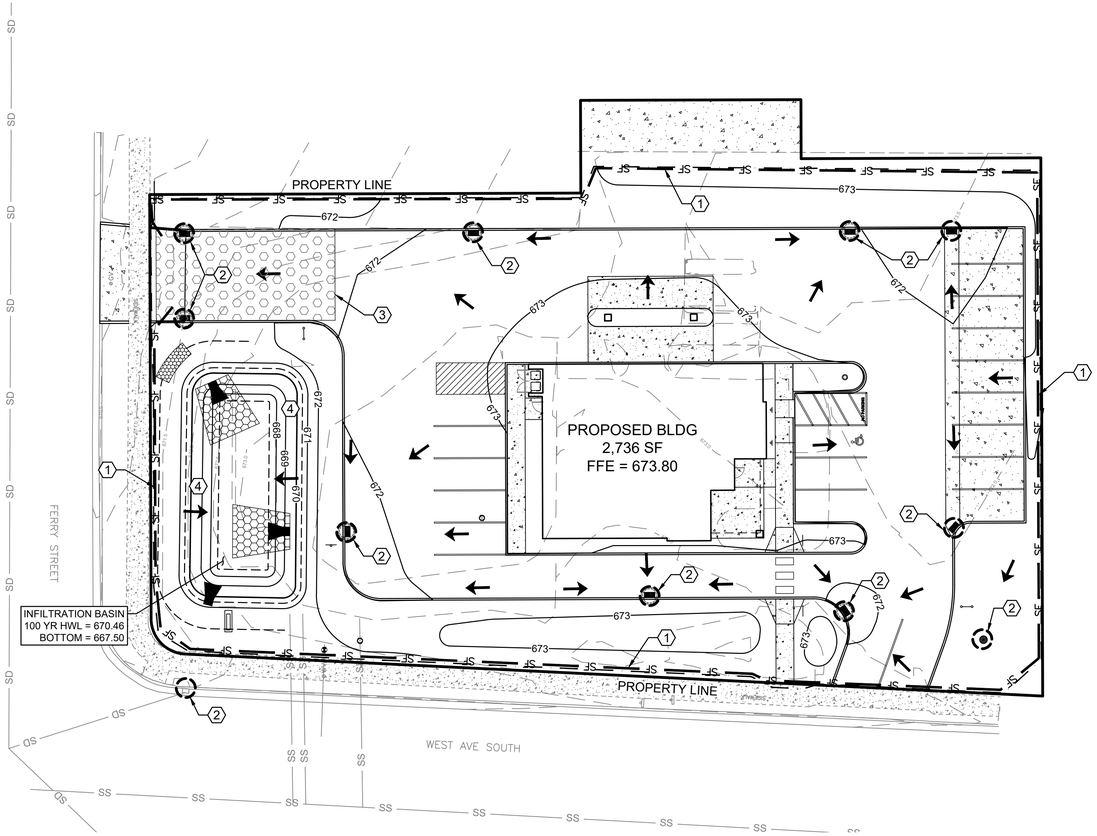
GRADING & DRAINAGE PLAN

DRAWN BY: BN CHECKED BY: BF

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N

0 20' 40'

LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- 1189 EXISTING MINOR CONTOUR
- 1190 EXISTING MAJOR CONTOUR
- 1189 PROPOSED MINOR CONTOUR
- 1190 PROPOSED MAJOR CONTOUR
- DRAINAGE ARROW
- SF SILT FENCE
- INLET PROTECTION
- ROCK ENTRANCE
- BIO-ROLL

KEY NOTES

1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

EROSION CONTROL NOTES

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THEDURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
5. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
6. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
7. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
8. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
9. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
10. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMMULATIVE EXPOSED CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
11. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE. (Rev. February 2017)
12. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. (Rev. February
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
15. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
16. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
18. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
19. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE CITY OR OWNER. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRITE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: https://dnr.wi.gov/botw
29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS.. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

ITEM	INSTALLATION	INSPECTION & MAINTENANCE	REMOVAL
SILT FENCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT & MAINT. AFTER EACH RUN-OFF EVENT. REMOVE SEDIMENTS AS REQUIRED.	AFTER TRIBUTARY DRAINAGE AREA IS RESTORED.
ROCK CONST. ENTRANCE	PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS.	INSPECT REGULARLY. MAINTAIN AS NEEDED.	PRIOR TO PAVING.
SEED & MULCH	AFTER POND GRADING IS COMPLETED.	INSPECT & MAINTAIN AFTER HEAVY RAINS. REPLACE WASH-OUT AREAS IMMEDIATELY	NO REMOVAL NECESSARY.
INLET PROTECTION	UPON INLET CONSTRUCTING	WHEN 1/3 CAPACITY OF BMP IS REACHED	AFTER TRIBUTARY AREAS ARE FULLY RESTORED

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

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NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

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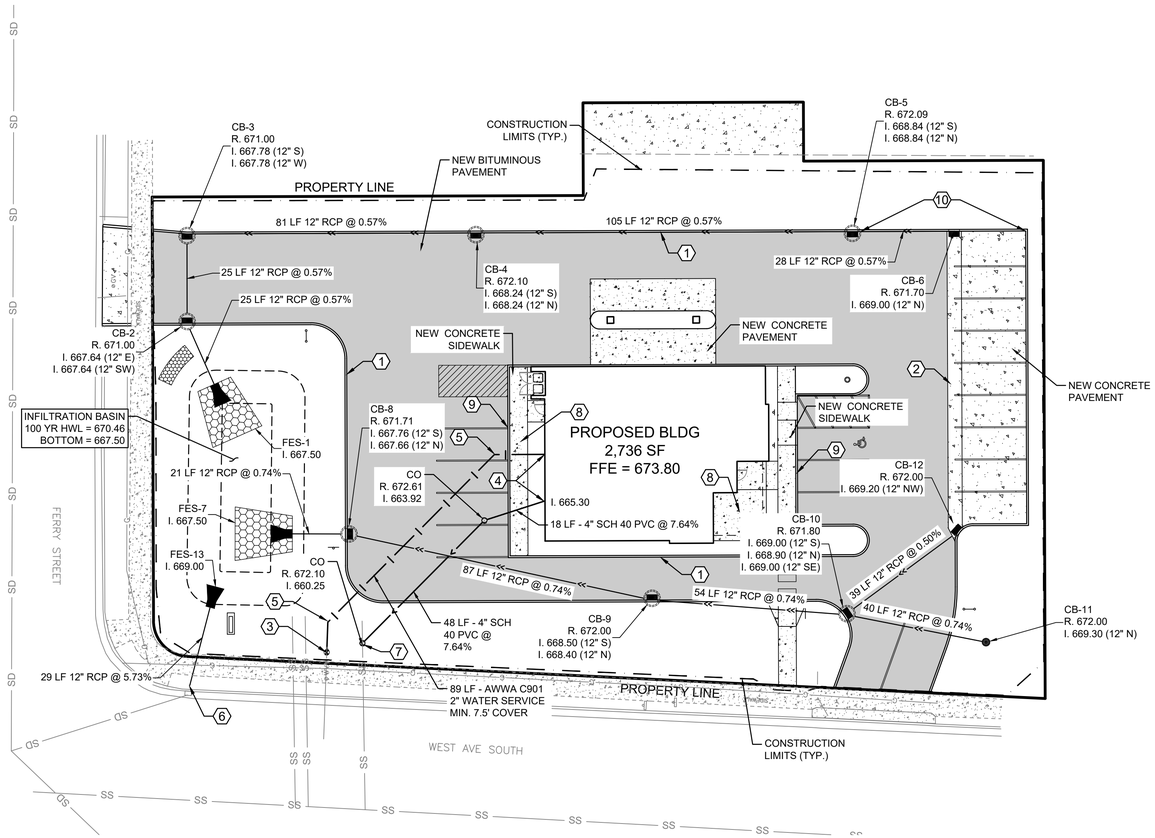
EROSION & SEDIMENT CONTROL PLAN

DRAWN BY: BN CHECKED BY: BF

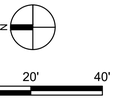
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STRUCTURE SCHEDULE		
STRUCTURE NO.	SIZE	CASTING & NOTES (NEEHAN)
FES–1	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–2	48" ROUND	R–3067–V
CB–3	48" ROUND	R–3067–V
CB–4	48" ROUND	R–3067–V
CB–5	48" ROUND	R–3067–V
CB–6	2'X3' REC	R–3067–V
FES–7	12" ROUND	INSTALL RIP–RAP AND TRASH GUARD
CB–8	48" ROUND	R–3067–V
CB–9	48" ROUND	R–3067–V
CB–10	48" ROUND	R–3067–V
CB–11	48" ROUND	R–2501
CB–12	48" ROUND	R–3067–V
FES–13	12" ROUND	INSTALL TRASH GUARD



LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- BITUMINOUS PAVMENT
- CONCRETE WALK / PAVEMENT
- EXISTING WATERMAIN
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM INLETS

KEY NOTES

1. PROPOSED STANDARD CONCRETE CURB & GUTTER
2. PROPOSED 4 FOOT WIDE CONCRETE VALLEY GUTTER
3. INSTALL NEW 2" CURB STOP. CONTRACTOR TO VERIFY EXISTING SERVICE SIZE.
4. UTILITY SERVICE LOCATION. VERIFY EXACT LOCATION WITH MECHANICAL PLAN OR MASTER PLUMBER PRIOR TO INSTALLATION.
5. INSTALL 45° BEND AS SHOWN
6. CONNECT TO EXISTING MANHOLE VIA CORE DRILL AT ELEVATION 667.32±. REMOVE AND REPLACE CONCRETE WALK WITHIN ROW PER CITY STANDARDS.
7. CONNECT TO EXISTING SANITARY SERVICE AT ELEVATION 660.25±
8. CONCRETE WALK TO BE INSTALLED WITH SNOW MELT SYSTEM. SEE MECHANICAL FOR DETAILS
9. CONCRETE SIDEWALK AND CONCRETE GUTTER TO BE ONE MONOLITHIC POUR.
10. PROPOSED ROLL CURB CONCRETE CURB & GUTTER

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND PER THE GEOTECHNICAL REPORT UNLESS DIRECTED OTHERWISE.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE 2023 EDITION OF WISDOT SPECIFICATIONS, UNLESS DIRECTED OTHERWISE.
3. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE MUNICIPAL, WATERSHED DISTRICT, COUNTY, DEPT. OF HEALTH, AND WISDOT PERMITS. VERIFY RECEIPT OF ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
4. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION PROVIDED BY THE OWNER ON A SURVEY PREPARED BY REAL LAND SURVEYING. BE ADVISED THAT THE LOCATION AND TYPE OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE INFORMATION IS NOT WARRANTED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR, IN COOPERATION WITH THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY, IS RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND DEPTH OF ALL UNDERGROUND UTILITIES.
5. ALL HANDICAPPED STALLS AND ACCESS RAMPS SHALL COMPLY WITH CURRENT ADA STANDARDS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF BUILDING ENTRANCES.
6. WATER LINES ARE REQUIRED TO BE INSTALLED AT 7.5 FEET MINIMUM DEPTH AND PROVIDE MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION OF ALL WATERMAIN CROSSINGS FROM STORM OR SANITARY SEWER. WATERMAIN TO BE INSULATED STATE SPECIFICATIONS, WHERE COVER DEPTHS CANNOT BE ACHIEVED. CONTRACTOR SHALL CONTACT THE ENGINEER IF THERE ARE AREAS WHERE MINIMUM COVER DEPTH CANNOT BE MET.
7. WATER SERVICE MATERIALS SHALL BE AWWA C901. CONTRACTOR SHALL VERIFY SERVICE SIZE AND MATERIALS PRIOR TO CONSTRUCTION.
8. SANITARY SEWER PIPE MATERIALS SHALL BE SCH 40 PVE. PIPE SHALL BE INSULATED PER STATE STANDARDS WHERE 7.5 FOOT COVER DEPTHS ARE NOT ACHIEVED.
9. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE WATER TIGHT. APPROVED RESILIENT RUBBER JOINTS MUST BE USED MEETING ASTM F2510 TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES AND CATCH BASINS. DO NOT GROUT OVER FLEXIBLE CONNECTIONS TO MANHOLES.
10. CONTRACTOR TO PROVIDE TRACER WIRE FOR ALL NON-METALLIC PIPE PER CITY OF LA CROSSE STANDARDS.
11. STORM SEWER TO BE RCP CONFORMING TO ASTM C76 CLASS III MINIMUM UNLESS NOTED OTHERWISE. JOINTS SHALL BE RUBBER GASKETED BELL AND SPIGOT MEETING ASTM C443. PIPE SHALL BE MANUFACTURED BY A NPCA OR ACPA CERTIFIED PLANT.
12. INSTALL PER WISDOT STANDARD SPECIFICATIONS SECTION 520 AND APPLICABLE STANDARD DETAIL DRAWINGS. PROVIDE CLASS B BEDDING MINIMUM UNLESS OTHERWISE SHOWN. COMPACT GRANULAR BACKFILL TO 95% STANDARD PROCTOR WITHIN THE PIPE ZONE. M AINTAIN LINE AND GRADE. WATERTIGHT JOINTS REQUIRED.

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Minneapolis
Bismarck
1010 Mainstreet, Suite 100
Hopkins, MN. 55343
Tel: 952.278.8880

PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

DATE	NO.	

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSEDENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

#	03/02/2026
REG. NO.	DATE

ANDERSON
13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

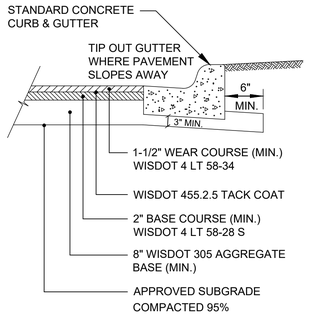
UTILITY & PAVING PLAN

DRAWN BY: BN CHECKED BY: BF

C4

231139 - AE PROJ # 18994

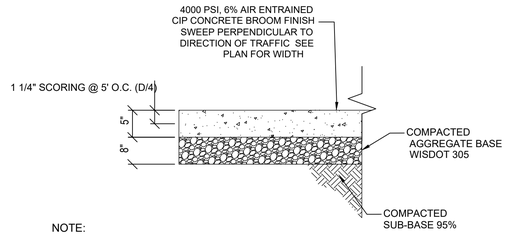
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NOTE:

1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

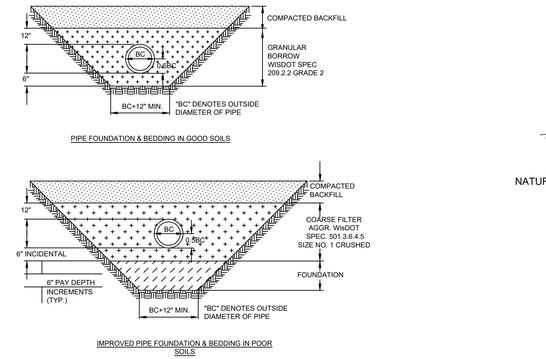
1 BITUMINOUS PAVEMENT SECTION
SCALE:N.T.S.



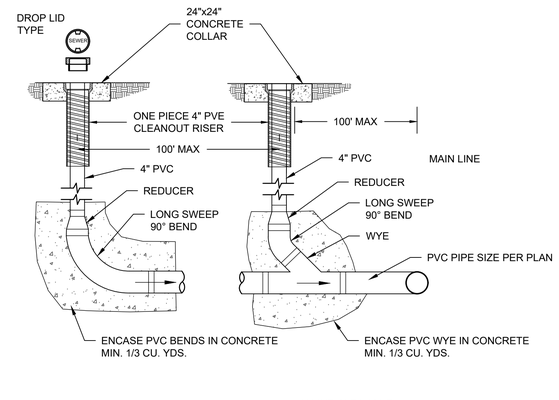
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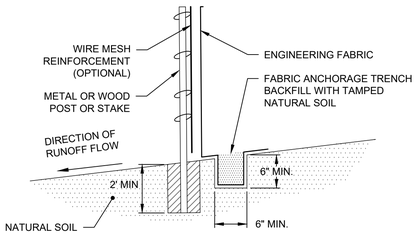
1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

2 CONCRETE PAVEMENT SECTION
SCALE:N.T.S.



3 PVC SEWER BEDDING
SCALE:N.T.S.

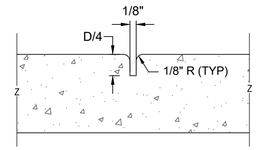




NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POSTS WITH TIE WIRES, OR WOOD POSTS WITH STAPLES.

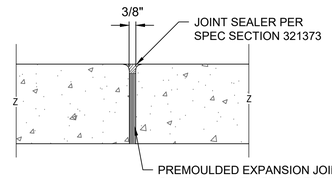
TYPICAL INSTALLATION

5 TYPICAL SILT FENCE DETAIL
SCALE:N.T.S.



CONTROL JOINT

PROVIDE CONTROL JOINTS PER MANUFACTURER RECOMMENDATIONS.

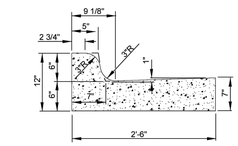


EXPANSION JOINT

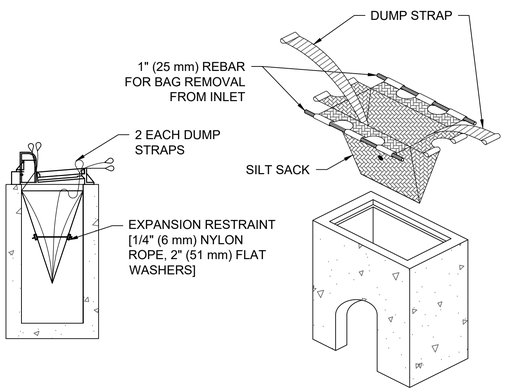
PROVIDE EXPANSION JOINTS AT BUILDING AND CONCRETE STOOP INTERFACE, AS WELL AS EVERY 24 FEET OF CONTINUOUS SIDEWALK AND AT SIDEWALK INTERSECTIONS.

NOTE: JOINTS CAN BE SAW CUT.

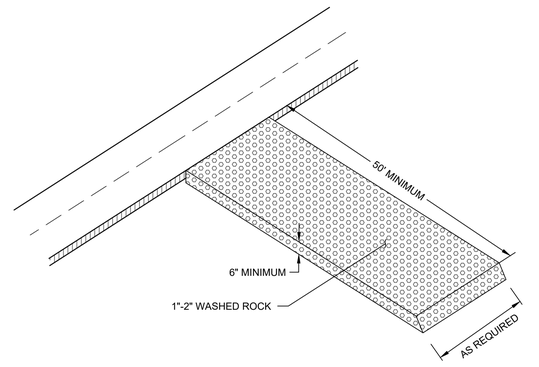
9 JOINTING DETAIL
SCALE:N.T.S.



NOTE: SEE CITY OF LA CROSSE DETAIL SHEET D-1-1 FOR MORE INFORMATION.



6 TYPICAL INLET PROTECTION DETAIL
SCALE:N.T.S.



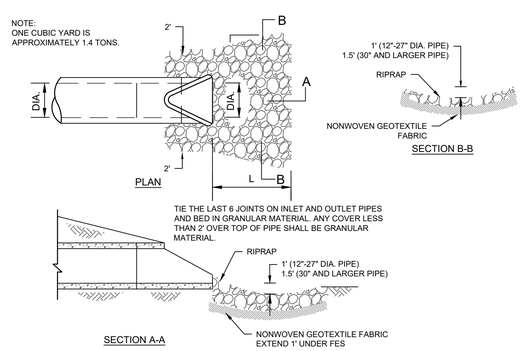
7 ROCK CONSTRUCTION ENTRANCE DETAIL
SCALE:N.T.S.

8 ROOF DRAIN CLEANOUT DETAIL
SCALE:N.T.S.

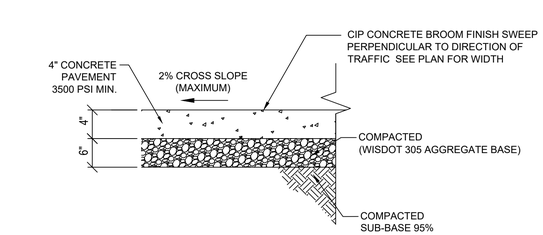
NOTE: SEE WI DOT DETAIL SHEET SDD08D01 FOR MORE INFORMATION.

13 STANDARD CURB AND GUTTER SECTION
SCALE:N.T.S.

14 ROLL CURB AND GUTTER SECTION
SCALE:N.T.S.



10 FLARED END SECTION
NTS



11 CONCRETE WALK SECTION
SCALE:N.T.S.

12 MONOLITHIC CURB AND SIDEWALK
SCALE:N.T.S.

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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
REVISIONS

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CIVIL DETAILS

DRAWN BY: BN CHECKED BY: BF

C5

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U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF SOILS
MILTON WHITNEY, CHIEF
CURTIS F. MARBUT, IN CHARGE SOIL SURVEY
J. E. LAPHAM, INSPECTOR IN CHARGE NORTHERN DIVISION

SOIL MAP
WISCONSIN
LA CROSSE COUNTY SHEET

STATE OF WISCONSIN
GEOLOGICAL AND NATURAL HISTORY SURVEY
E. A. BIRGE, DIRECTOR
COLLEGE OF AGRICULTURE, UNIVERSITY OF WISCONSIN
H. L. RUSSELL, DEAN A. R. WHITSON, IN CHARGE SOIL SURVEY

SOIL PROFILE (3 feet deep)

- Knox silt loam: Sil / Hsil / Sicl
- Waukesha gravelly sandy loam: Sl / Gr
- Steep phase: Sil / Hsil / Sicl
- Wabash loam: L / Sil
- Waukesha sandy loam: Sl / Sl
- Wabash silt loam: Sil / Hsil / Sicl
- Waukesha fine sandy loam: Fsl / Fsl / Fs
- Boone fine sand: Fs / S
- Waukesha silt loam: Sil / Sil / Sicl
- Boone fine sandy loam: Fsl / Fsl / Fs
- Coarse phase: Sil / Hsil / Fs
- Plainfield sandy loam: Sl / Sl
- Heavy phase: Sil / C
- Plainfield sand: S / S

LEGEND

Fs	Fine sand
Sil	Silt loam
Hsil	Heavy silt loam
Sicl	Silty clay loam
Sl	Sandy loam
Fsl	Fine sandy loam
C	Clay
S	Sand
Gr	Gravel
L	Loam

LEGEND

- Knox silt loam (Kl) / Steep phase (Kl)
- Wankesha gravelly sandy loam (Sg)
- Wabash loam (Wl)
- Wankesha sandy loam (Ws)
- Wabash silt loam (W)
- Wankesha fine sandy loam (Wf)
- Boone fine sand (Bs)
- Wankesha silt loam (Wsl) / Coarse phase (Wsl)
- Boone fine sandy loam (B)
- Plainfield sandy loam (Pl)
- Heavy phase (Wsl)
- Plainfield sand (Ps)
- Rough stony land (R)
- River wash (Rv)
- Peat (P)
- Meadow (M)
- Swampy areas

Soils surveyed by W. J. Geib and T. J. Dunnewald of the Wisconsin Geological and Natural History Survey, and Clarence Lounsbury of the U. S. Department of Agriculture.

Scale 1 inch = 1 mile

1 ½ 0 1 2 3 4 Miles

A. Hoen & Co. Lith., Baltimore, Md.




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Federal Credit Union

City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

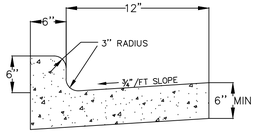
Text File

File Number: 26-0300

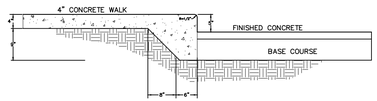
Agenda Date: 3/20/2026 **Version:** 1 **Status:** Agenda Ready

In Control: Commercial/Multi-Family Design Review Committee **File Type:** Review of Plans

Agenda Number: 2.

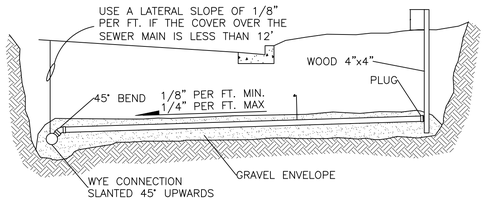


18" TYPE D CURB & GUTTER



INTEGRAL SIDEWALK SECTION

NO SCALE



STANDARD INSTALLATION WITHOUT A RISER

NOTES:

1. CONSTRUCT LATERALS IN CONFORMANCE WITH CHAPTER COMM 82 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. LATERAL SLOPE SHALL BE ¼" PER FOOT WHERE SUFFICIENT COVER EXISTS.
3. WHERE LATERALS ARE NOT IMMEDIATELY CONNECTED TO BUILDING SEWERS THE ENDS OF THE LATERALS SHALL BE MARKED BY POSITIONING 4" X 4" BOARDS VERTICALLY FROM THE ENDS OF LATERALS TO AT LEAST 2' ABOVE THE GROUND SURFACE.



DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.

DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "θ" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.

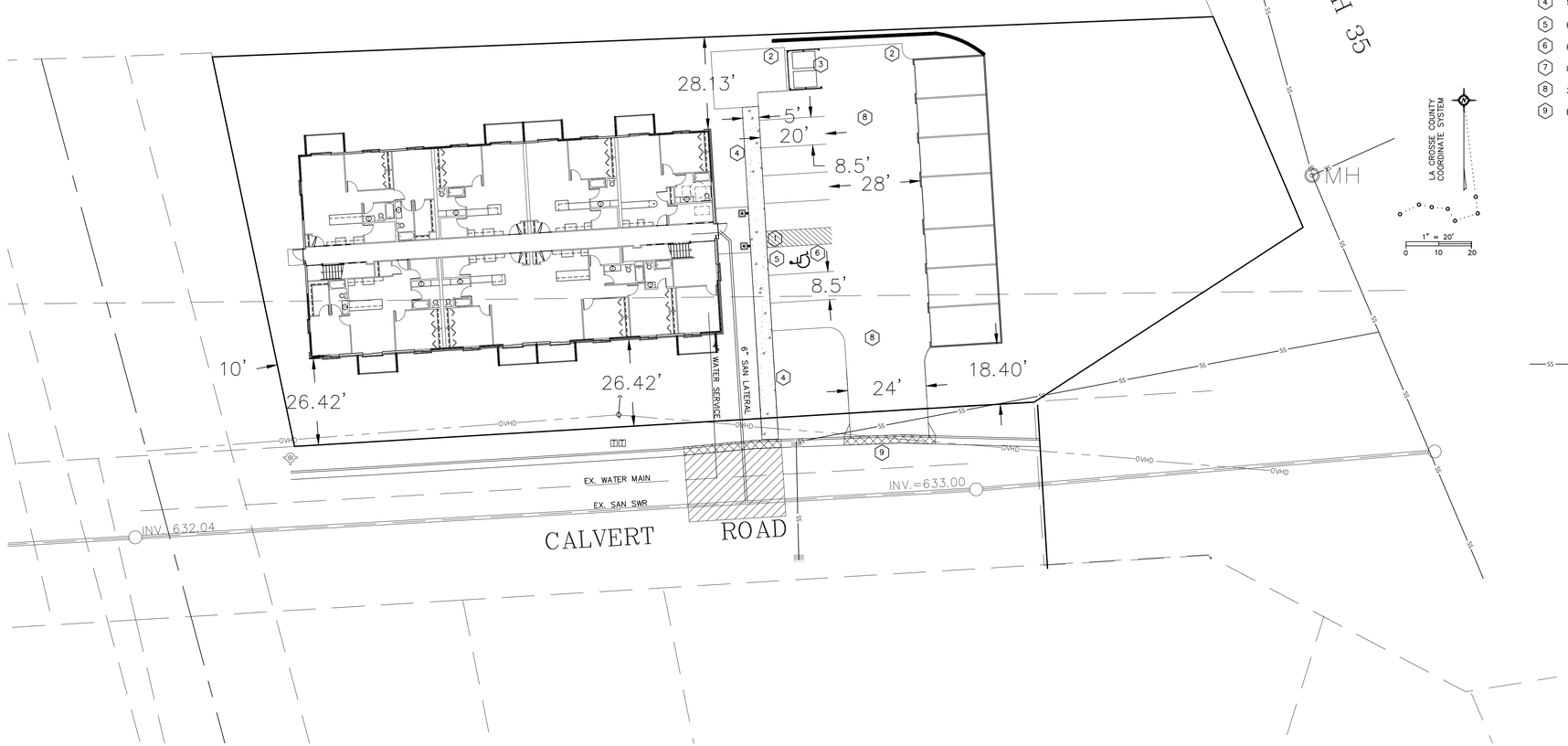
CONCRETE SHALL BE CLASS "CC", SEE SECTION 03301

BUTTRESS DIMENSIONS								
PIPE SIZE *	TEES		22.5° BEND		45° BEND		90° BEND	
	A	B	A	B	A	B	A	B
6	1'-3"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8	1'-6"	1'-4"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10/12	2'-3"	2'-0"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
14/16	3'-2"	2'-6"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
18/20	4'-0"	3'-0"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
22/24	5'-3"	3'-4"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30	6'-3"	4'-3"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

* = FOR TEE THIS WILL BE THE BRANCH PIPE

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 2000 LBS./SQ.FT.

BUTTRESS DETAILS

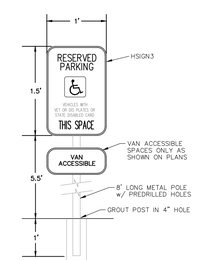


NOTES – LAYOUT PLAN

1. SIDEWALK SHALL BE FLUSH WITH EXISTING PAVEMENT IN THIS AREA.
2. 18" CURB & GUTTER – SEE DETAIL
3. DUMPSTER ENCLOSURE, SEE ARCHITECTURAL DETAILS
4. 5' CONCRETE SURFACE
5. HANDICAP PARKING SIGN, SEE DETAIL
6. HANDICAP STALLS AND PARKING STALLS SHALL BE PAINTED PER SPECIFICATION
7. INTEGRAL SIDEWALK – SEE DETAIL
8. 2.5" BITUMINOUS, 8" CABC
9. ENTRANCE PER CITY STANDARD – SEE DETAIL

LEGEND

- CURB INLET
- TELEPHONE PEDESTAL
- UTILITY POLE W/GUY WIRE
- HYDRANT
- FOUND 1" IRON PIPE, UNLESS NOTED
- REMOVE AND REPLACE 36" CURB AND GUTTER, PER CITY STANDARD
- SAW CUT PERIMETER, REPLACE w/ 10" CABC & 3" BITUMINOUS
- SS EXISTING CITY STORM SEWER



HANDICAP SIGN DETAIL

NO SCALE

LA CROSSE
ENGINEERING & SURVEYING CO., INC.
1306 S. 3rd STREET, LA CROSSE, WI 54601
Office: (608)782-3439 Fax: (608)782-3452
www.lacrossesurvey.com

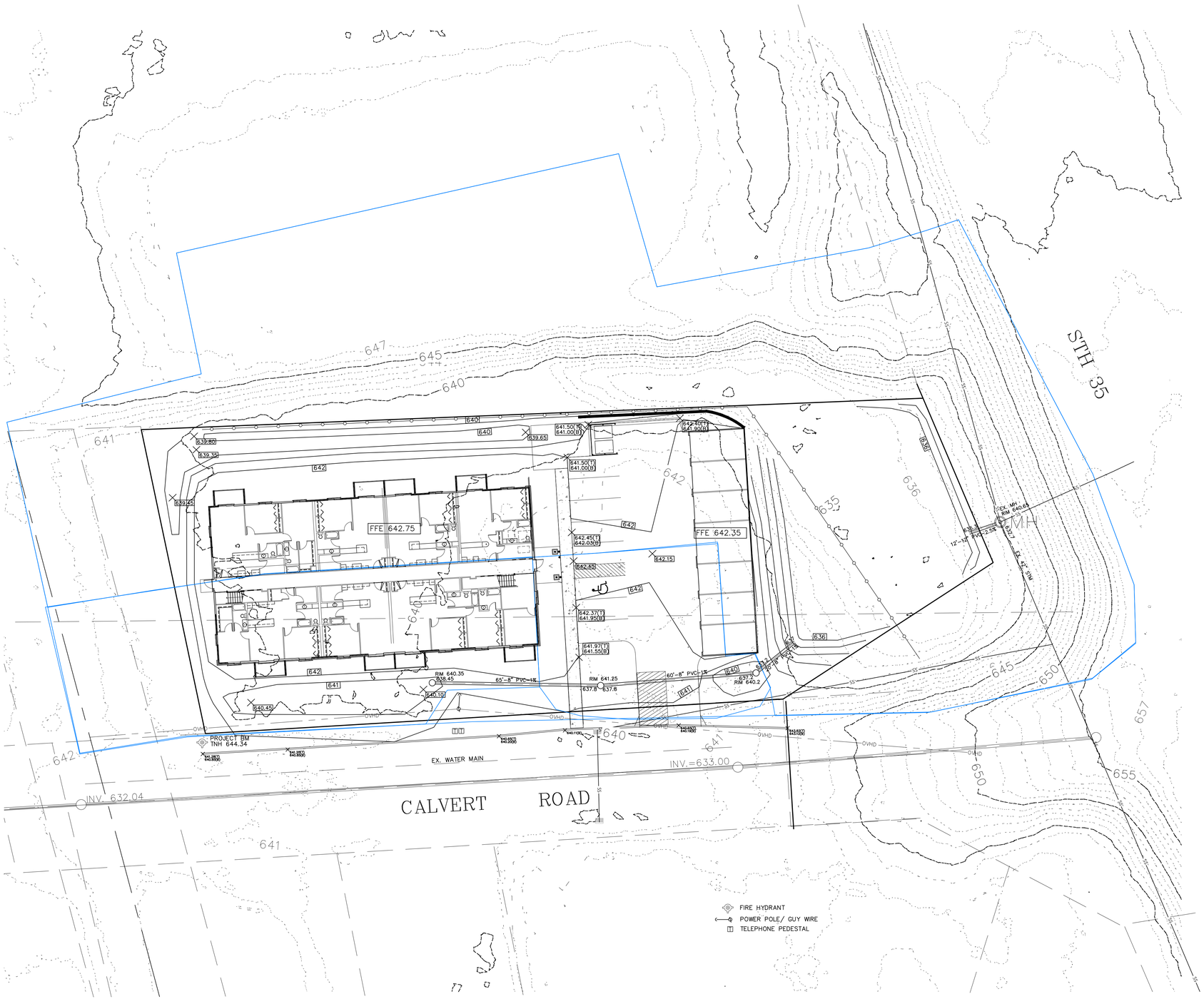
NICOLAI APARTMENTS
CALVERT ROAD, LA CROSSE, WI
SITE LAYOUT PLAN

DATE: 3/27/26

FILE: NICOLAI_CALVERT

DRAWN BY: FJH

C0



LEGEND

- FOUND 3/4" I.D.I.P. (UNLESS NOTED)
- FOUND P.K. NAIL
- FOUND CHISELED "X"
- SET 3/4" X 18" IRON BAR
- TNH TOP NUT HYDRANT
- UTILITY POLE W/GUY WIRE
- HYDRANT
- UGE EXISTING UNDERGROUND ELECTRIC
- 644.67 SPOT ELEVATION
- SILT FENCE
- TRACKING CONTROL PAD
- BIOFILTRATION AREA, SEE DETAIL

GRADING NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- The underground locations of the public utilities were marked by representatives of those companies. The locations of the customer owned underground utilities were NOT marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contours shown are for finished surfaces, any adjustment to subgrade is the contractor's responsibility.
- All disturbed areas that unpaved are to be landscaped or sodded as indicated on the landscape plan.
- Pavement section consists of 3" Bituminous Pavement and 8" crushed aggregate base course.
- Spot elevations shall take precedence over contours and slopes shown. However, the contractor shall notify the Engineer if spot elevations do not appear to agree with the contours and slopes labeled. Spot elevations and specific profile information shall be used for establishing the elevation of curbs, driveways, and other utilities.
- All finished grading shall provide for a smooth transition to ungraded areas.
- All pvc storm piping shall be minimum SDR 35.

BUILDING AND WASTE MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.

UTILITY NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- Field verify all locations and invert elevations prior to commencing work.
- All Sanitary Sewer piping shall be PVC meeting ASTM D-3034 SDR 26.
- Water Lines shall be Ductile Iron (3" or Greater), or shall be AWWA C900. Tracer wire for C900 shall be a 1/8" stainless steel with poly coating, or approved equal. The tracer wire shall be securely grounded to the compression fitting at both the watermain and curb stop.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contractor shall comply completely with the latest standards of OSHA Directives or any other agency having jurisdiction for excavation and trenching procedures. Contractor is responsible for complying with performance criteria as required by OSHA.
- Maintain 1' separation for watermain crossing over sanitary lateral.
- See Plumbing Plans for storm sewer drain connection locations.
- Storm connections shall be watertight with rubber gasket and steel band.
- All storm sewer piping shall have joints wrapped with EZ-Wrap by Press-Seal Gasket Corporation, or equal.

LA CROSSE COUNTY COORDINATE SYSTEM

1" = 20'
0 10 20

LA CROSSE
ENGINEERING & SURVEYING CO., INC.
1445 Rose Street, La Crosse, WI 54603
Office: (608)782-3433 Fax: (608)782-3452
www.lacrosseengineering.com

NICOLAI APARTMENTS
CALVERT ROAD, LA CROSSE, WI
GRADING & EROSION CONTROL PLAN

DATE: 3/27/26

FILE: NICOLAI_CALVERT

DRAWN BY: FJH

C1

NICOLAI APARTMENTS

BUILDING & GARAGE REVIEW

15 UNIT APARTMENT COMPLEX
3629 Calvert Road
La Crosse, Wisconsin 54601

SYMBOLS

KEYNOTE REFERENCE:
KEYNOTE NUMBER — NO.

HEIGHT REFERENCE:
REFERENCE POINT ELEVATION — CEILING 10'-0"

DETAIL REFERENCE:
DRAWING NUMBER / SHEET NUMBER — 12 / A3

REVISION INDICATOR:
REVISION NUMBER — 2

SECTION REFERENCE:
DRAWING NUMBER / SHEET NUMBER — 3 / A2

WALL TYPE REFERENCE:
WALL TYPE — A

ELEVATION REFERENCE:
DRAWING NUMBER / SHEET NUMBER — 2 / A4

LINE TYPES:
CENTER LINE
HIDDEN LINE
LEASE LINE
STRUCTURE C.L.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
ACOUS.	ACOUSTICAL
ADJ.	ADJUSTABLE
AL.	ALUMINUM
BTM.	BOTTOM
C.L.	CENTER LINE
CER.	CERAMIC
CONSTR.	CONSTRUCTION
CTR.	CENTER
CL.	CLEAR
COL.	COLUMN
CONT.	CONTINUOUS
DWG.	DRAWING
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
E.J.	EXPANSION JOINT
F.D.	FLOOR DRAIN
FDN	FOUNDATION
FTG.	FOOTING
G.C.	GENERAL CONTRACTOR
GA.	GAUGE
GEN.	GENERAL
GYP. BD.	GYPSUM BOARD
HC	HOLLOW CORE
H.M.	HOLLOW METAL
LAM.	LAMINATE
MAX.	MAXIMUM
MATL.	MATERIAL
MTL.	METAL
MIN.	MINIMUM
O.C.	ON CENTER
SC	SOLID CORE
STD.	STANDARD
V.I.F.	VERIFY IN FIELD

CODE INFORMATION

BUILDING TYPE:
R2 - APARTMENT

CONSTRUCTION TYPE:
VB - FULLY SPRINKLERED, PER NFPA 13R

BUILDING AREA AND HEIGHT:
- ALLOWABLE - 3 STORIES, 7,000 SF/ FLOOR
- ACTUAL - FIRST FLOOR - 7,812 SF
  SECOND FLOOR - 7,812 SF

FRONTAGE INCREASE FACTOR:
TABLE 506.3.3:
> OPEN SPACE:
20' TO < 25'
> % OF BUILDING PERIMETER:
25 TO < 50
> INCREASE: 0.17
0.17 X 7,000 = 1,190 SF
7,000 + 1,190 = 8,190 ALLOWABLE
7,812 SF < 8,190 SF ACTUAL

TRAVEL DISTANCE TO EXIT:
- 250' WITH SPRINKLER

NUMBER OF EXITS:
- MINIMUM 2 REQUIRED
- 2 EXITS PROVIDED

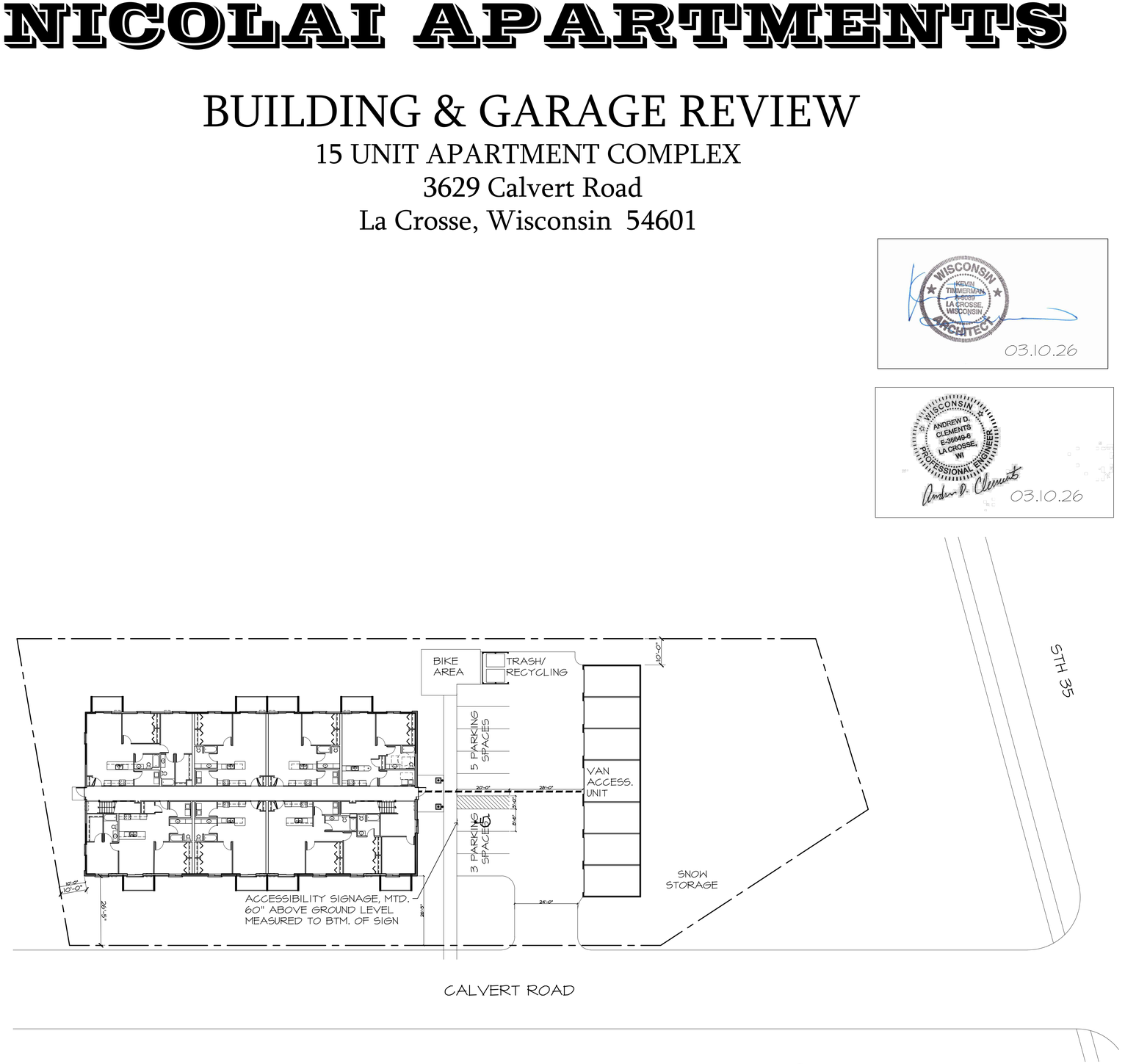
EXIT WIDTH:
- 0.2" PER OCCUPANT - 72" ACTUAL

FIRE-RESISTANCE RATINGS, TYPE VB:
- IBC TABLE 601 - BEARING WALLS:
  - EXTERIOR - 0-HR
  - INTERIOR - 0-HR

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:
- IBC TABLE 705.8
  - ALLOWABLE - 30' OR GREATER - NO LIMIT

WISCONSIN KEVIN TIMMERMAN E-35037 LA CROSSE, WISCONSIN ARCHITECT
03.10.26

WISCONSIN ANDREW D. CLEMENTS E-38649-6 LA CROSSE, WI PROFESSIONAL ENGINEER
Andrew D. Clements
03.10.26



1 / T1 SITE PLAN
1" = 20'-0"

NORTH

GENERAL NOTES

- OCCUPANCY - R2 APARTMENT
- CONSTRUCTION - TYPE VB
- SOIL BEARING - 2000 PSF (ASSUMED)
- CONCRETE - 3000 PSI TO COMPLY W/ ASTM C94
- STEEL - TO COMPLY W/ ASTM A36
- LUMBER - 2 X 4 STANDARD & BETTER
  2 X 6 #2 SPF
  2 X 8 & LARGER - #2 D.F.
- STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH 2021 INTERNATIONAL BUILDING CODE, SECTION 2308 - CONVENTIONAL LIGHT-FRAME CONSTRUCTION.
- FIRST FLOOR CEILING TO HAVE 5/8" TYPE 'C' GWB ON CHANNELS, 16" O.C. SECOND FLOOR CEILING TO HAVE 5/8" GWB APPLIED DIRECT TO TRUSSES
- BATH EXHAUST - SYSTEM TO BE 50 CFM.
- ATTIC VENTILATION - NET FREE AREA NOT LESS THAN 1/300 OF VENTILATION AREA.
- ROOF TRUSSES - DESIGN FOR 40# L.L. BY REGISTERED WISCONSIN ENGINEER AND ANCHORED TO WALL ACCORDINGLY.
- EACH BEDROOM SHALL BE PROVIDED WITH AN EGRESS WINDOW COMPLYING W/ IBC SECT. 1024.2, STYLE TO BE SLIDE-BY, MIN. CLEAR OPENING WIDTH OF 20" AND HEIGHT OF 24".
- WALL AND FLOOR CONSTRUCTION TO MEET SOUND TRANSMISSION CLASS OR NOT LESS THAN 50 FOR AIR BORNE NOISE PER IBC 1207.2.
- INTERIOR WALL AND CEILING FINISHES TO MEET CLASSIFICATIONS AS SPECIFIED IN IBC TABLE 803.13, CLASS C RATING FOR SPRINKLERED STRUCTURE.
- FIRE EXTINGUISHERS SHALL BE PROVIDED PER IBC SECT. 906 AND MAINTAINED PER NFPA 13R. LOCATION PER LOCAL FIRE MARSHAL.
- MANUAL FIRE ALARM SYSTEM REQUIRED THROUGHOUT STRUCTURE.
- PROVIDE INTERCONNECTED SMOKE ALARMS IN EACH BEDROOM, OUTSIDE EACH SLEEPING AREA AND ON EACH STORY WITHIN THE DWELLING UNIT.
- RATED WALLS TO HAVE 1-HR RATED DOOR ASSEMBLIES (1-HR FRAMES AND 20 MINUTE DOORS) WITH AUTOMATIC CLOSERS. DOORS TO BE LABELED 'TYPE S'.
- INTERIOR DOORS TO BE PRE-HUNG 3-PANEL DOORS.
- ALL DOOR HARDWARE TO MEET ICC/ANSI A117.1 Sec. 404.2.6 FOR OPERABILITY.
- WINDOW OPENINGS:
  - LARGEST LIVING ROOM - UNIT #102
    430 SF X 4% = 17.2 SF REQ'D, 20.0 SF PROVIDED
  - LARGEST BEDROOM - UNIT #102
    183 SF X 4% = 7.32 SF REQ'D, 10.0 SF PROVIDED
- CONTRACTOR TO PROVIDE ADEQUATE BLOCKING FOR ALL WALL HUNG VANITIES, REQUIRED GRAB BARS AND TOWEL BARS PER OWNER'S REQUIREMENTS.
- FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF EACH RUN.

CONSTRUCTION NOTES

ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.

THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND SHALL CONFIRM THAT WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS, ETC., SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.

THE CONTRACTOR SHALL MAINTAIN FOR ENTIRE DURATION OF THE WORK ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS IN CONFORMANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

'TYP.' SHOULD MEAN THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT UNLESS OTHERWISE NOTED. DETAILS ARE USUALLY KEYED AND NOTED 'TYP.' ONLY ONCE WHEN THEY FIRST OCCUR.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION UPON THE COMPLETION OF HIS WORK ON A DAILY BASIS. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL TRASH FOR THE DURATION OF THE PROJECT.

CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10BC WITHIN 75' TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING DURING CONSTRUCTION.

DRAWING INDEX

T1 TITLE SHEET, GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SITE PLAN, DRAWING INDEX

C1 LANDSCAPE PLAN

A1 FIRST FLOOR PLAN
SECOND FLOOR PLAN

A1.1 ENLARGED FIRST FLOOR PLAN - LEFT HALF
WALL TYPES

A1.2 ENLARGED FIRST FLOOR PLAN - RIGHT HALF
WALL TYPES

A2 SECOND FLOOR PLAN
WALL TYPES

A3 EXTERIOR ELEVATIONS
ENLARGED KITCHEN & BATH PLAN
CASEWORK ELEVATIONS
STANDARD MOUNTING HEIGHTS

A4 BUILDING SECTIONS

A4.1 BUILDING SECTION
WALL SECTIONS
CONSTRUCTION DETAILS

A5 GARAGES:
- FOOTING & FOUNDATION PLANS
- FLOOR PLANS
- EXTERIOR ELEVATIONS
- BUILDING SECTION

S1 FOOTING AND FOUNDATION PLAN
CONSTRUCTION DETAILS

S2 FLOOR FRAMING PLAN
ROOF FRAMING PLAN
SNOW & DRIFT LOAD INFORMATION

MECHANICAL/ELECTRICAL/PLUMBING - DESIGN BUILD SUBMITTED/PERMITTED UNDER SEPARATE COVER

5th Avenue Design
504 5TH AVENUE S.
LA CROSSE, WI 54601
TEL 608-780-5075

SITE PLAN
GENERAL NOTES
CONSTRUCTION NOTES
CODE INFORMATION
DRAWING INDEX

DATE : 03.26.26
DRAWN BY : KKT
CHECKED BY : AN/SN
REVISIONS :

Nicolai Apartments
3629 Calvert Road
La Crosse, WI 54601

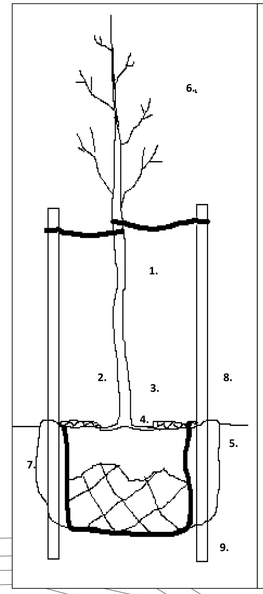
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NICOLAI APT, 3629 Calvert Road, LANDSCAPE PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	CONDITION	NOTES
	TREES					
ACJEF	Acer saccharun 'Jefcan'	Unity Maple	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
BN	Betula nigra	River Birch	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
GT	Gleditsia triacanthos var. inermis 'Harve'	Northern Acclaim Honeylocust	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
QR	Quercus robur x alba 'Scarlet Letter'	Scarlet Letter Oak	14	2" cal	B & B/Cont	Spd 15' x Ht 40'
TA	Tilia americana 'Bailyard'	Frontyard Linden	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
UA	Ulmus 'New Horizon'	New Horizon Elm	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
	SHRUBS					
CS	Cornus sericea (stolonifera) 'Kelseyi'	Kelsey Dogwood	7	5 gal	container	Spd 3' x Ht 3'
CSF	Cornus sericea 'Farrow'	Arctic Fire Red Twig Dogwood	15	5 gal	container	Spd 4' x Ht 4'
HP	Hydrangea paniculata 'SMHPFL'	Fire Light Hydrangea	9	5 gal	container	Spd 5' x Ht 5'
HPS	Hydrangea paniculata 'SMHPLQF'	Little Quick Fire® Hydrangea	10	5 gal	container	Spd 4' x Ht 4'
SBG	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	7	5 gal	container	Spd 4' x Ht 3'
SJ	Spiraea japonica 'Neon Flash'	Neon Flash Spirea	8	5 gal	container	Spd 4' x Ht 3'
	PERENNIALS					
HRS	Hemerocallis 'Ruby Stella'	Ruby Stella Daylily	30	1 gal	container	Spd 18" x Ht 18"
SSC	Schizachyrium scoparium 'Chameleon	Chameleon Little Bluestem	50	1 gal	container	Spd 18" x Ht 24"
SSB	Schizachyrium scoparium 'Blaze'	Blaze Little Bluestem	65	1 gal	container	Spd 18" x Ht 24"

All shrub beds to receive 2' of shredded bark, no plastic layer

Note: review planting directive for all trees



HOW TO PROPERLY PLANT A BALLED AND BURLAPPED TREE

PETE BEMIS, LANDSCAPE DESIGNER

1. INSPECT THE TREE FOR DAMAGED BARK ON THE TRUNK OR DAMAGED BRANCHES, THE BALL SHOULD BE VERY HARD AND FIRM, REJECT A TREE WHEN THE BALL IS BROKEN INTO PIECES.

2. PLANTING DEPTH IS CRITICAL, THE FLARE AT THE BASE OF THE TRUNK SHOULD BE EXPOSED ABOVE THE PLANTING DEPTH. LOOK AT OTHER TREES TO SEE HOW THE FLARE IS ABOVE THE SOIL.

3. IF THERE IS SOIL ABOVE THE FLARE OF THE TRUNK REMOVE SOIL UNTIL THE FLARE IS EXPOSED, ALL SOIL ABOVE THE FLARE MUST COME OFF THE BALL PRIOR TO DETERMINING PLANTING DEPTH. DO THIS BEFORE PUTTING THE TREE IN THE HOLE. THE BASKET SHOULD HAVE ALL ROPE/TWINE REMOVED FROM THE TOP TO OPEN THE BASKE AND DETERMINE THE PROPER PLANTING DEPTH BY EXPOSING THE TRUNK FLARE.

4. THE HOLE FROM THE TREE SHOULD BE MEASURED SO THAT WHEN THE TREE SITS IN THE HOLE THE FLARE IS AT OR SLIGHTLY ABOVE THE GRADE. THE TREE SHOULD SIT ON VERY FIRM SOIL, PACK PRIOR TO PLACING THE TREE IF NECESSARY. THE TREE SHOULD NOT SETTLE LOWER DUE TO SOFT SOIL BELOW THE BALL.

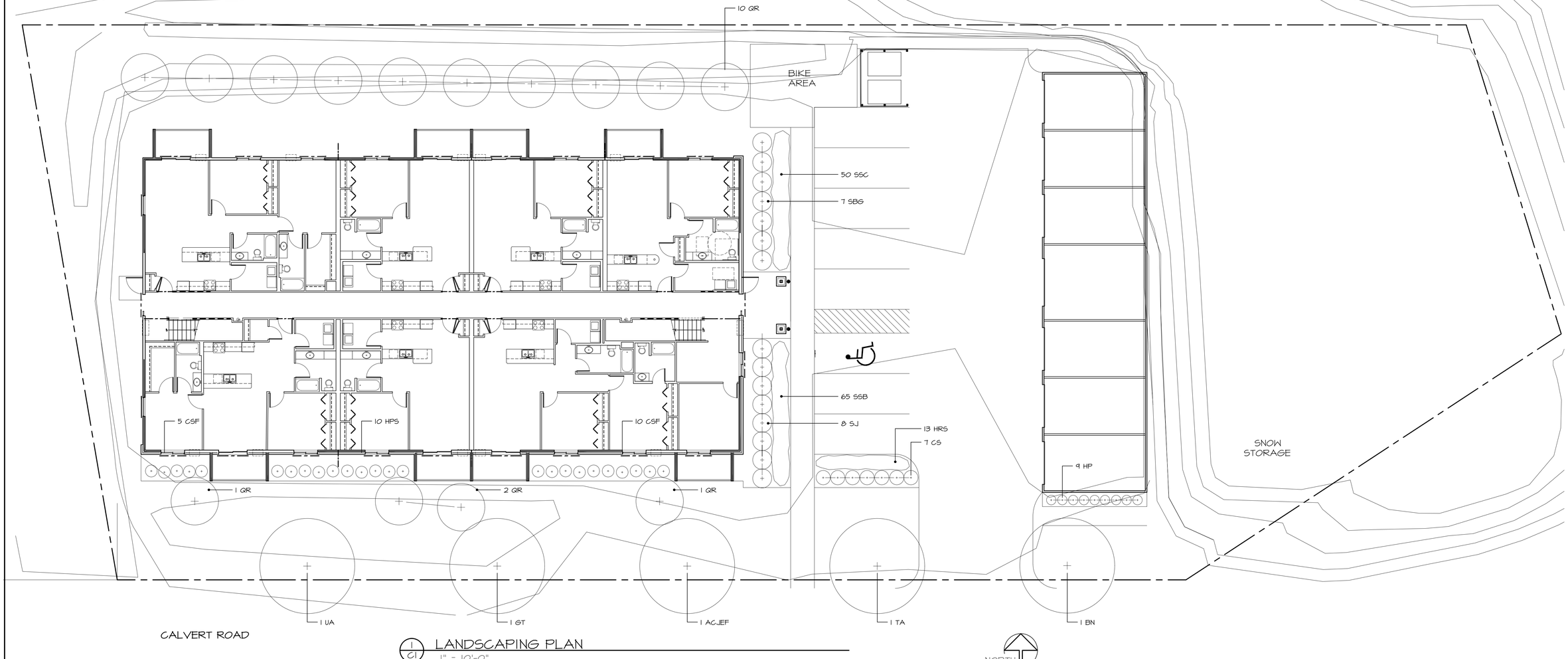
5. THE HOLE SHOULD BE TOW TO THREE TIMES THE WIDTH OF THE BALL. THE SOIL THAT IS REMOVED SHOULD BE RETURNED TO THE HOLE, ESPECIALLY THE TOPSOIL. CHOP THE GRASS SOD INTO PIECES TO PUT BACK IN THE HOLE, THIS IS THE BEST SOIL. IF THE SOIL IS EXTREMELY SANDY OR EXTREMELY CLAY, ADD APPROXIMATELY 25% COMPOST. DO NOT ENTIRELY REPLACE THE SOIL IN THE HOLE OR THE TREE WILL NOT WANT TO GROW ROOTS BEYOND THE WIDTH OF THE HOLE.

6. PRUNING SHOULD BE AT A MINIMUM FOR THE FIRST TWO YEARS. REMOVE ANY LIMBS THAT ARE RUBBING OR DAMAGED. SHADE TREES SHOULD HAVE ONE DOMINATE LEADER.

7. PLACE THE TREE IN THE PLANTING HOLE TO THE CORRECT DEPTH, REMOVE ALL BURLAP AND WIRE BASKET TO THE EXTENT THAT THE BALL DOWN NOT COME APART, THE BALL MUST REMAIN INTACT. REMOVE THE BURLAP AND ROPE FROM TOP DOWN AND CUT THE WIRE OFF AS MUCH AS POSSIBLE, WITHOUT HAVING THE BALL FALL APART. THE WIRE DOES NOT ROT AWAY QUICKLY ENOUGH, IT WILL DAMAGE THE TREE ROOTS. DO NOT LEAVE ANY BURLAP EXPOSED AS IT WILL DRY OUT THE BALL.

8. CREATE A 36" TO 48" DIAMETER BERM WITH THE EXTRA SOIL, ABOUT 4" HIGH. FILL THE BERM WITH SHREDDED MULCH TO A DEPTH OF 3". DO NOT PLACE SHREDDED MULCH ON THE TREE TRUNK. BARK HIGH ON THE TREE TRUNK WILL MAKE THE TREE BARK SOFT AND BE AN ENTRY POINT FOR INSECTS AND DISEASES. TREE MULCH 'VOLCANOES' DAMAGE TREES.

9. STAKES SHOULD BE PLACED OUTSIDE THE TREE BALL. ATTACH THE TREE TO THE STAKES, BUT NOT VERY TIGHTLY. THE TREE SHOULD BE ABLE TO MOVE WITH THE WIND.



1/C1 LANDSCAPING PLAN
1" = 10'-0"

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608·780·5075

LANDSCAPE PLAN

DATE : 03.26.26

DRAWN BY : KKT

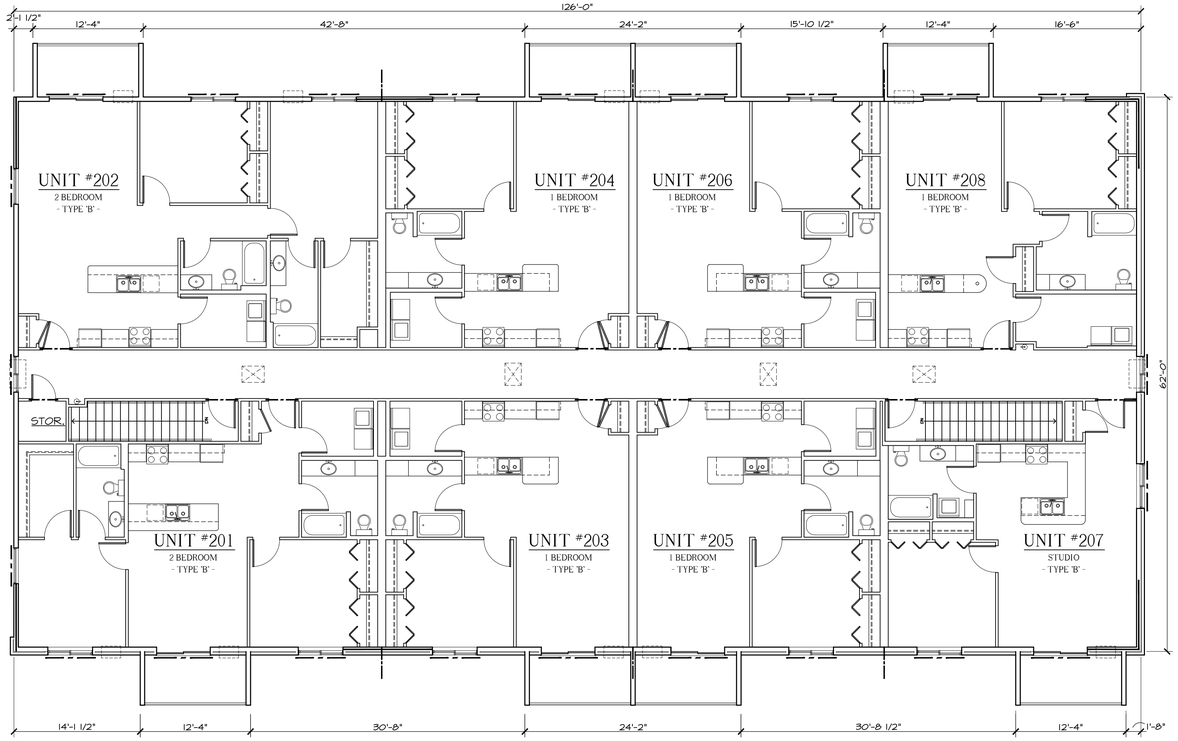
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REVISIONS :

Nicolai Apartments

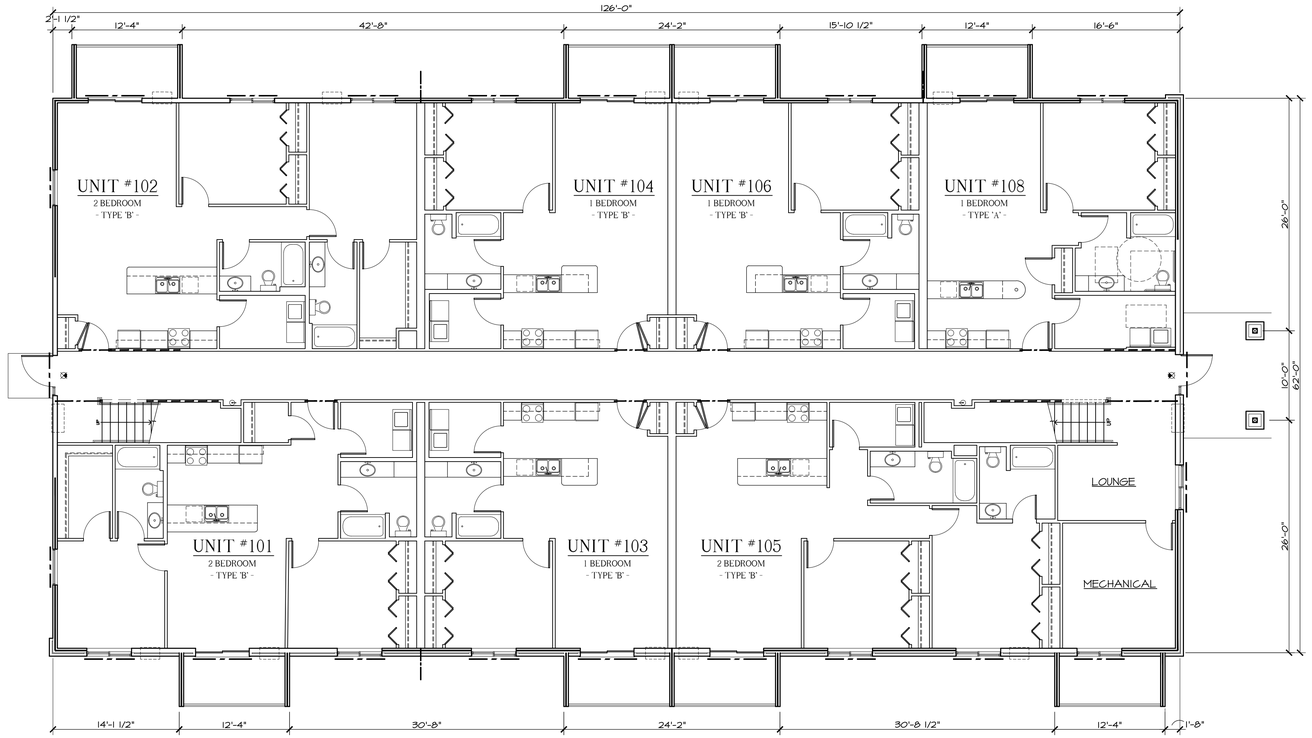
3629 Calvert Road
La Crosse, WI 54601

C1



2 / A1 SECOND FLOOR PLAN
1/8" = 1'-0"

NORTH



1 / A1 FIRST FLOOR PLAN
1/8" = 1'-0"

NORTH

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608·780·5075

FIRST FLOOR PLAN
SECOND FLOOR PLAN

DATE : 03.26.26

DRAWN BY : KKT

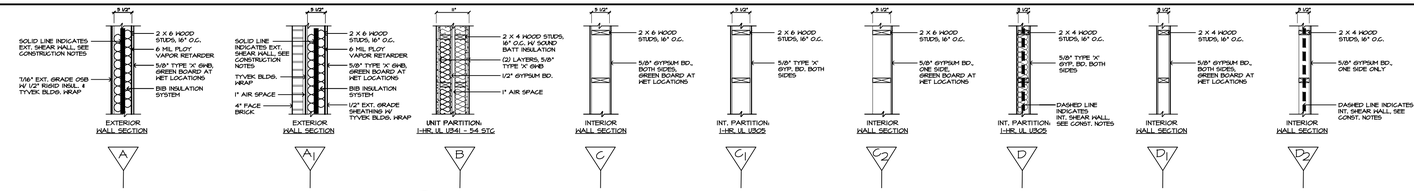
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Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

A1



2 / A1.1 WALL TYPES

1/2" = 1'-0"

HEADER SCHEDULE:			
H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1 OR 2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS (2) JACK STUDS	(2) KING STUDS (2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS

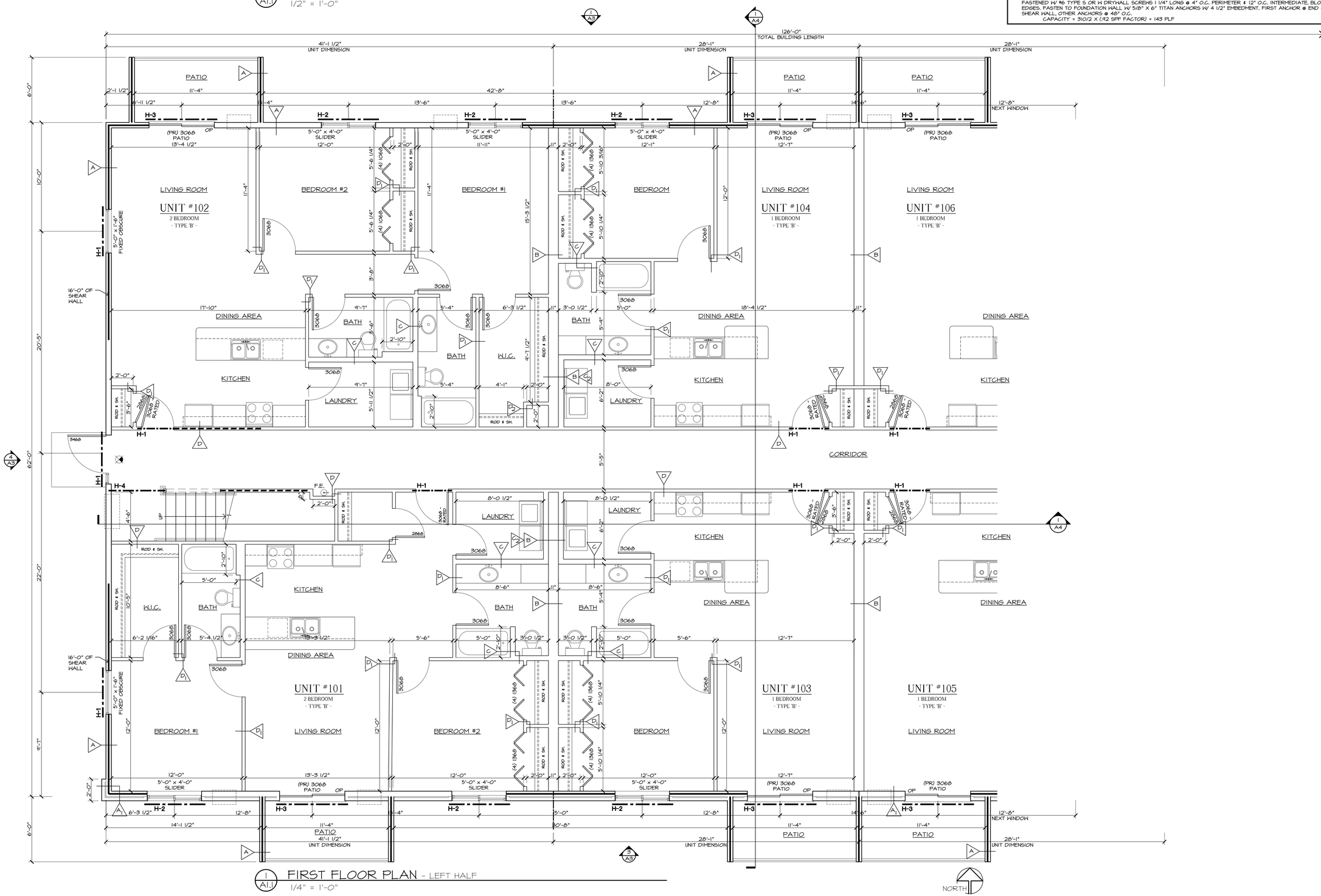
LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE

EXTERIOR SHEAR WALLS:

- EXTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3A, 15/32" OSB SHEATHING NAILED W/ 10d NAILS W/ 1 1/2" PENETRATION, BLOCKED. NAILS @ 6" O.C. PERIMETER & INTERMEDIATE. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 32" O.C.
  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:

- INTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C, 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF



1 / A1.1 FIRST FLOOR PLAN - LEFT HALF

1/4" = 1'-0"

NORTH

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608-780-5075

FIRST FLOOR PLAN - LEFT HALF
WALL TYPES

DATE : 03.26.26

DRAWN BY : KKT

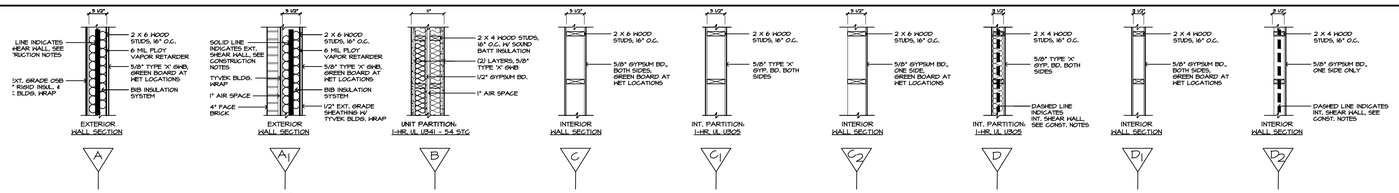
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Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

A1.1

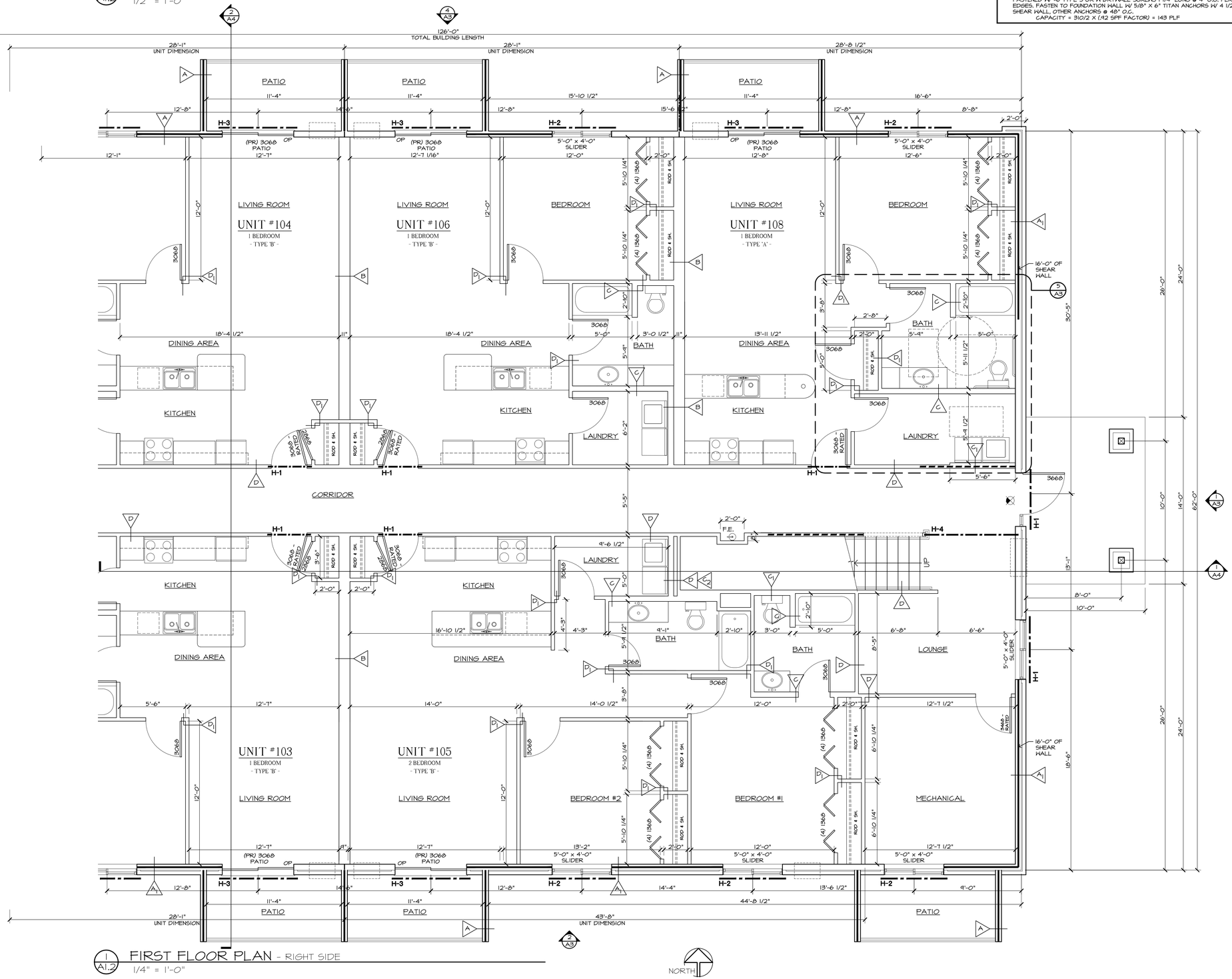


2 A1.2 WALL TYPES
1/2" = 1'-0"

HEADER SCHEDULE:			
H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1 OR 2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS (2) JACK STUDS	(2) KING STUDS (2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS
LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE			

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  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:
- INTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C, 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF



1 A1.2 FIRST FLOOR PLAN - RIGHT SIDE
1/4" = 1'-0"

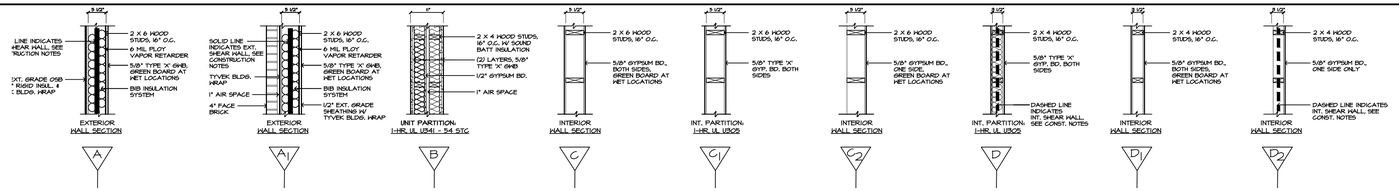
5th Avenue Design
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FIRST FLOOR PLAN - RIGHT HALF
WALL TYPES

DATE : 03.26.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

Nicolai Apartments
3629 Calvert Road
La Crosse, WI 54601

A1.2



HEADER SCHEDULE:

H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1 OR 2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS (2) JACK STUDS	(2) KING STUDS (2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS

LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE

EXTERIOR SHEAR WALLS:

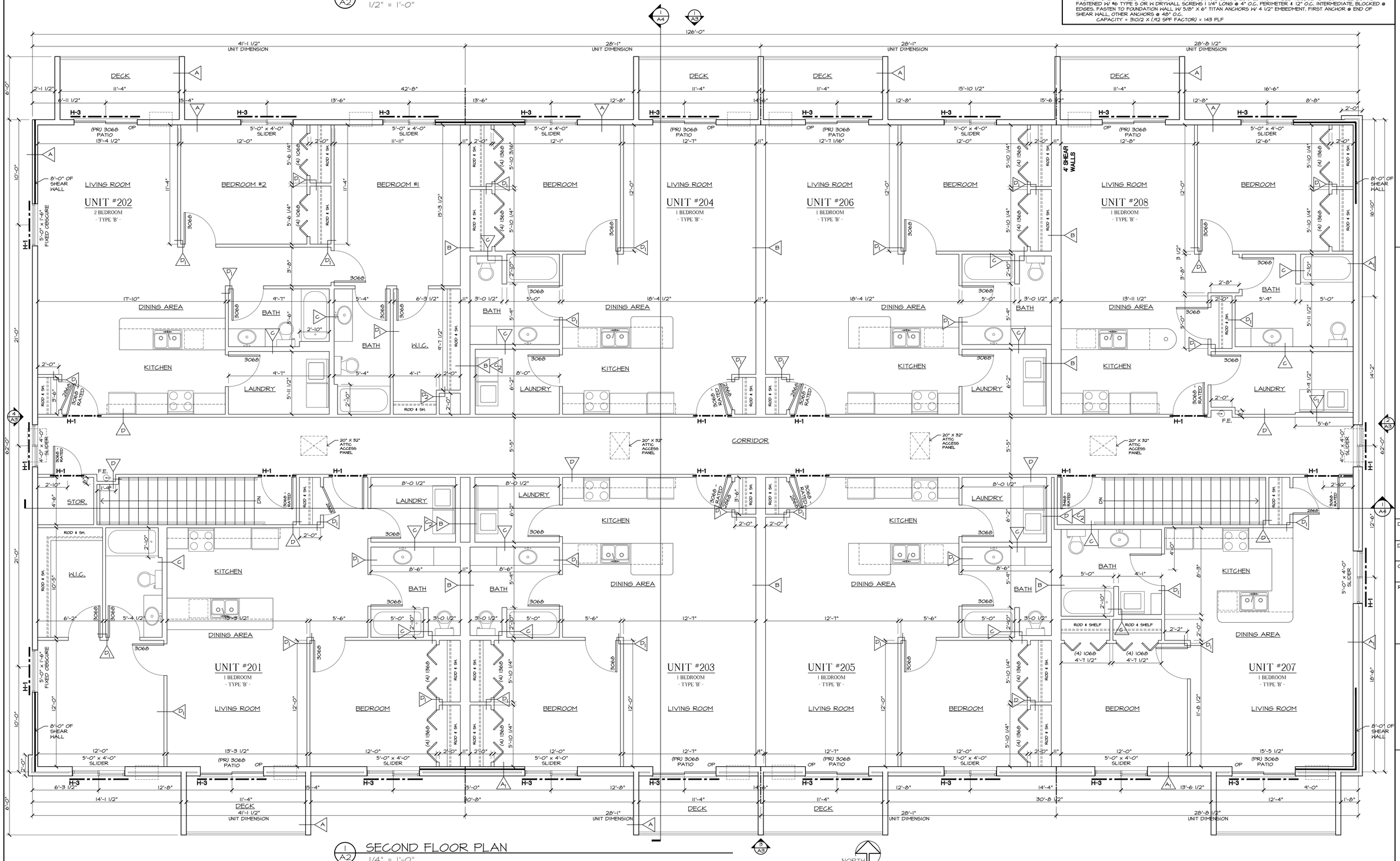
- EXTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3A, 15/32" OSB SHEATHING NAILED W/ 10D NAILS W/ 1 1/2" PENETRATION, BLOCKED. NAILS @ 6" O.C. PERIMETER & INTERMEDIATE. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR HALL, OTHER ANCHORS @ 32" O.C.
  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:

- INTERIOR SHEAR HALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C, 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR HALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF

2/A2 WALL TYPES

1/2" = 1'-0"



1/A2 SECOND FLOOR PLAN

1/4" = 1'-0"

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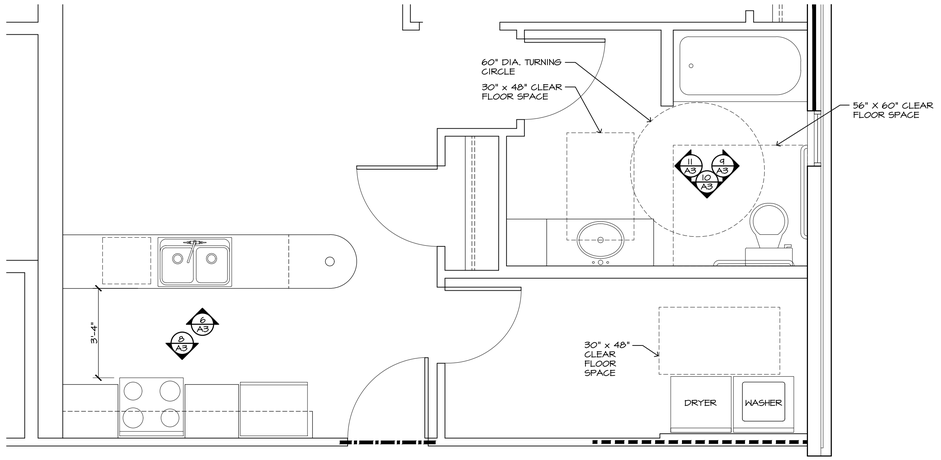
SECOND FLOOR PLAN
WALL TYPES

DATE : 03.26.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

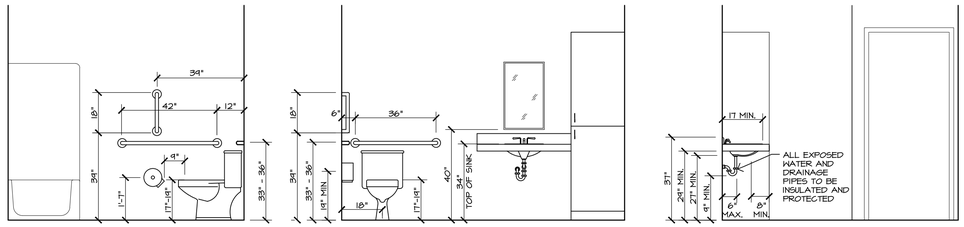
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A2



5 A3 ENLARGED KITCHEN & BATH PLAN
1-BEDROOM TYPE 'A' UNIT



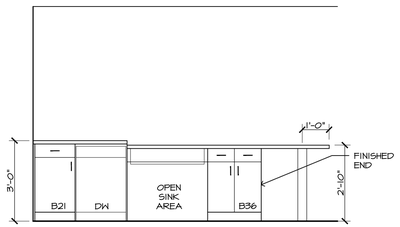
9 A3 ELEVATION
3/8" = 1'-0"

10 A3 ELEVATION
3/8" = 1'-0"

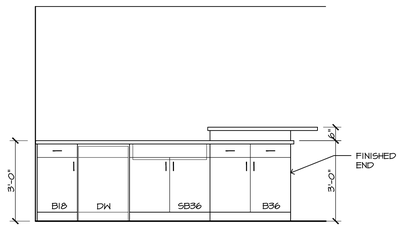
11 A3 ELEVATION
3/8" = 1'-0"

NOTE:
GENERAL CONTRACTOR TO PROVIDE ADEQUATE BLOCKING FOR ALL GRAB BARS IN BOTH TYPE 'A' & 'B' UNITS

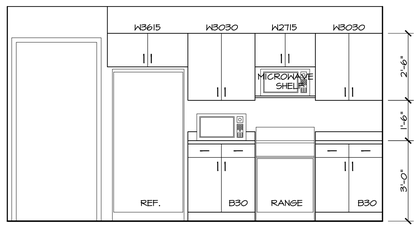
STANDARD MOUNTING HEIGHTS



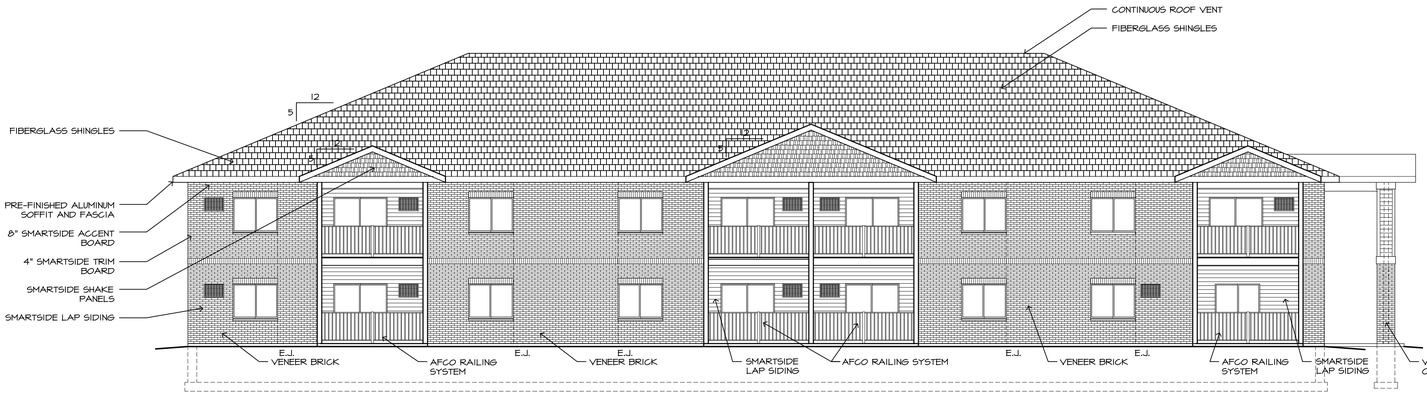
6 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'A' UNIT



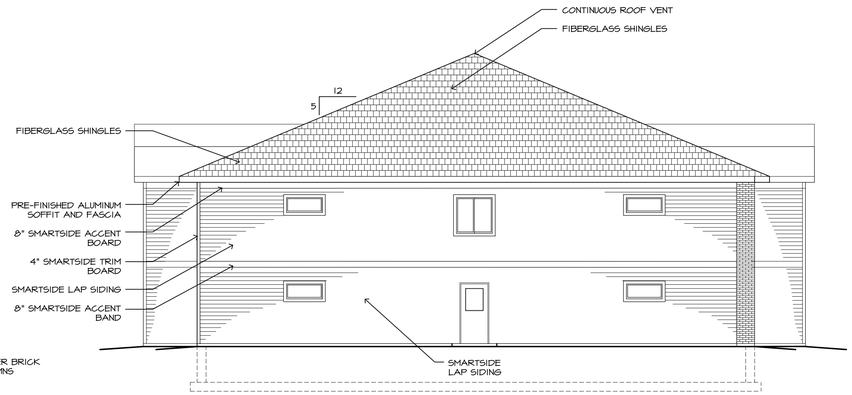
7 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'B' UNIT



8 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'B' UNIT
NOTE: MICROWAVE TO BE LOCATED ON TOP OF COUNTER IN 'A' UNIT

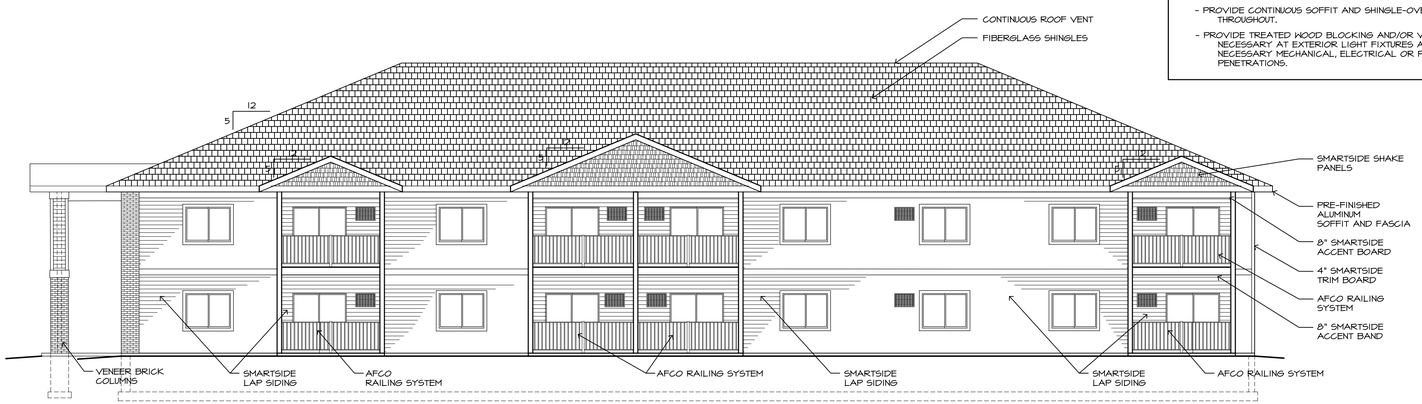


3 A3 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

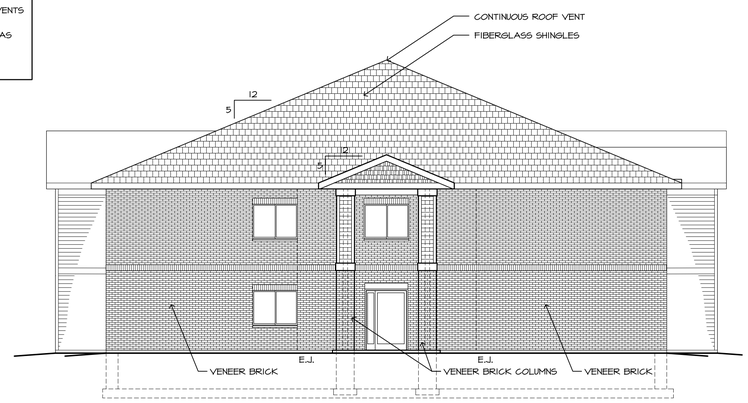


4 A3 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

GENERAL ELEVATION NOTES:
- ALL ROOF PITCHES TO BE 5:12 UNLESS NOTED OTHERWISE.
- ALL FASCIAS AND SOFFITS TO BE PREFINISHED ALUMINUM.
- ALL ROOF SHINGLES TO BE 30 YEAR TEXTURED FIBERGLASS.
- PROVIDE CONTINUOUS SOFFIT AND SHINGLE-OVER RIDGE VENTS THROUGHOUT.
- PROVIDE TREATED WOOD BLOCKING AND/OR VINYL TRIM AS NECESSARY AT EXTERIOR LIGHT FIXTURES AND OTHER NECESSARY MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.



1 A3 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



2 A3 EAST EXTERIOR ELEVATION
1/8" = 1'-0"

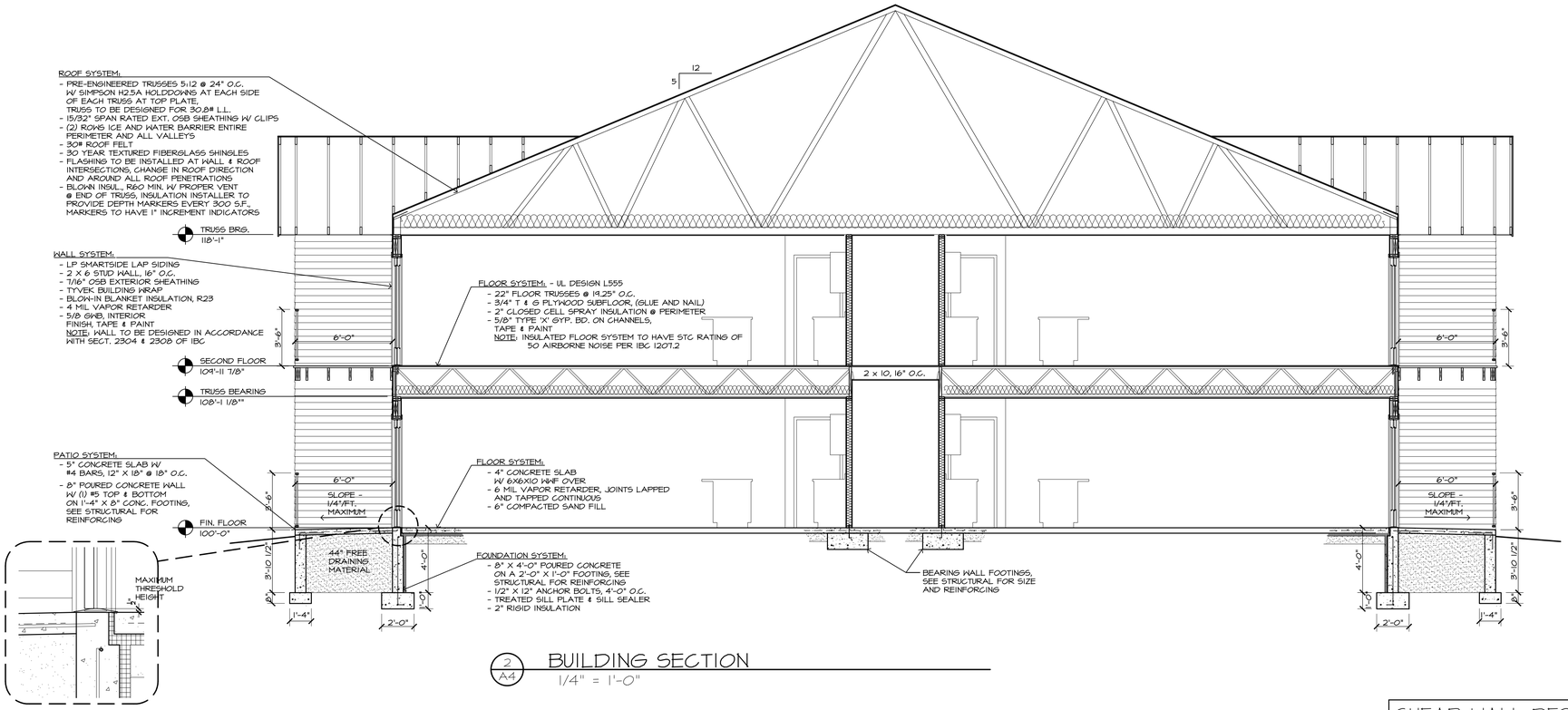
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EXTERIOR ELEVATIONS
ENLARGED KITCHEN & BATH PLAN
CASEWORK ELEVATIONS
STANDARD MOUNTING HEIGHTS

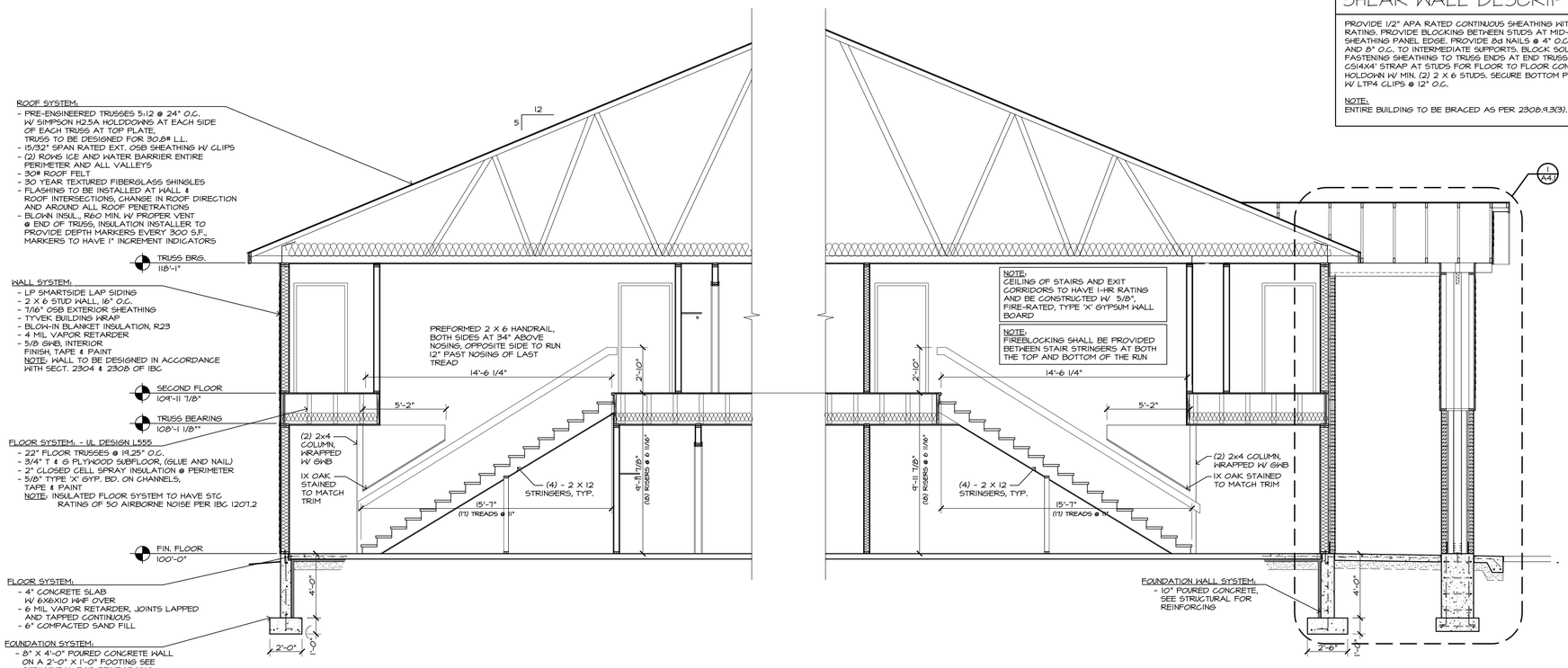
DATE : 03.26.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

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A3



2 A4 BUILDING SECTION
1/4" = 1'-0"



1 A4 BUILDING SECTION
1/4" = 1'-0"

SHEAR WALL DESCRIPTION

PROVIDE 1/2" APA RATED CONTINUOUS SHEATHING WITH A 24/0 SPAN RATING. PROVIDE BLOCKING BETWEEN STUDS AT MID-HEIGHT PLUS AT SHEATHING PANEL EDGE. PROVIDE 8d NAILS @ 4" O.C. AT PANEL EDGES AND 8" O.C. TO INTERMEDIATE SUPPORTS. BLOCK SOLID BETWEEN FASTENING SHEATHING TO TRUSS ENDS AT END TRUSS BLOCKING. USE CS14X4' STRAP AT STUDS FOR FLOOR TO FLOOR CONNECTION. USE HDU-2 HOLDOWN W/ MIN. (2) 2 X 6 STUDS. SECURE BOTTOM PLATE TO RIM JOIST W/ LTP4 CLIPS @ 12" O.C.

NOTE:
ENTIRE BUILDING TO BE BRACED AS PER 2308.9.3(3).

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BUILDING SECTIONS

DATE : 03.26.26

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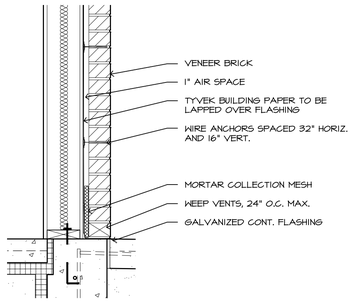
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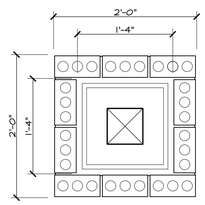
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A4

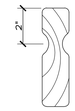


3 / A4.1 DETAIL
1" = 1'-0"

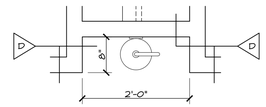


PIER SYSTEM:
- 6 X 6 TREATED WOOD POSTS, WRAPPED LP SMARTSIDE BOARDS
- SIMPSON CCQ3-6SDS2.5 COLUMN CAPS
- SIMPSON ABU66Z COLUMN BASE
- 2 X 4 WOOD STUDS, 16" O.C.
- 7/16" OSB EXTERIOR SHEATHING
- TYVEK BUILDING WRAP TO EXTEND OVER FLASHING AT BASE
- 1" AIR SPACE
- MORTAR COLLECTION MESH @ BASE OF COLUMN
- 4" VENEER BRICK W/ BRICK TIES 16" O.C. EACH WAY, FLASH ACCORDINGLY W/ WEEP VENTS EACH SIDE AT BASE

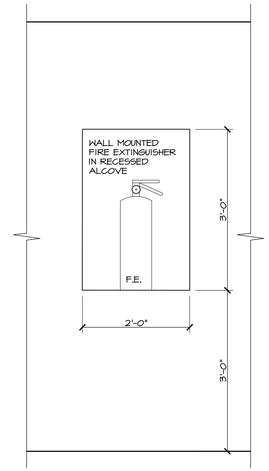
4 / A4.1 DETAIL
1" = 1'-0"



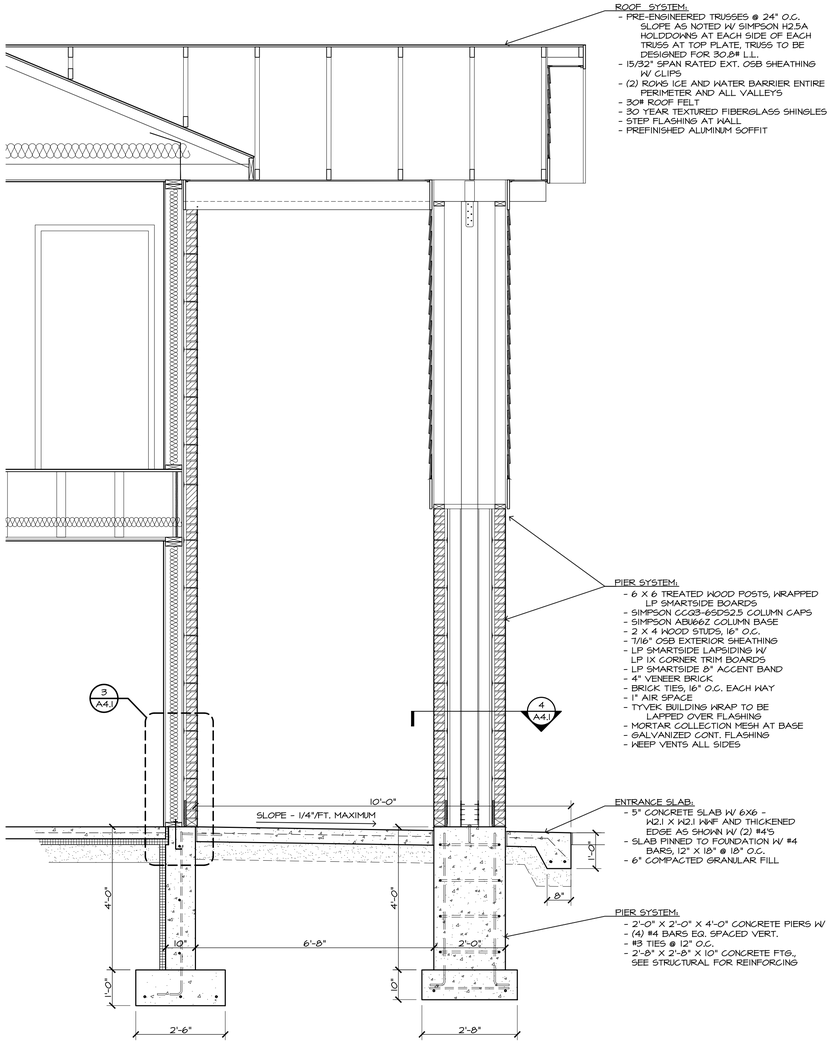
5 / A4.1 HANDRAIL SECTION
3" = 1'-0"



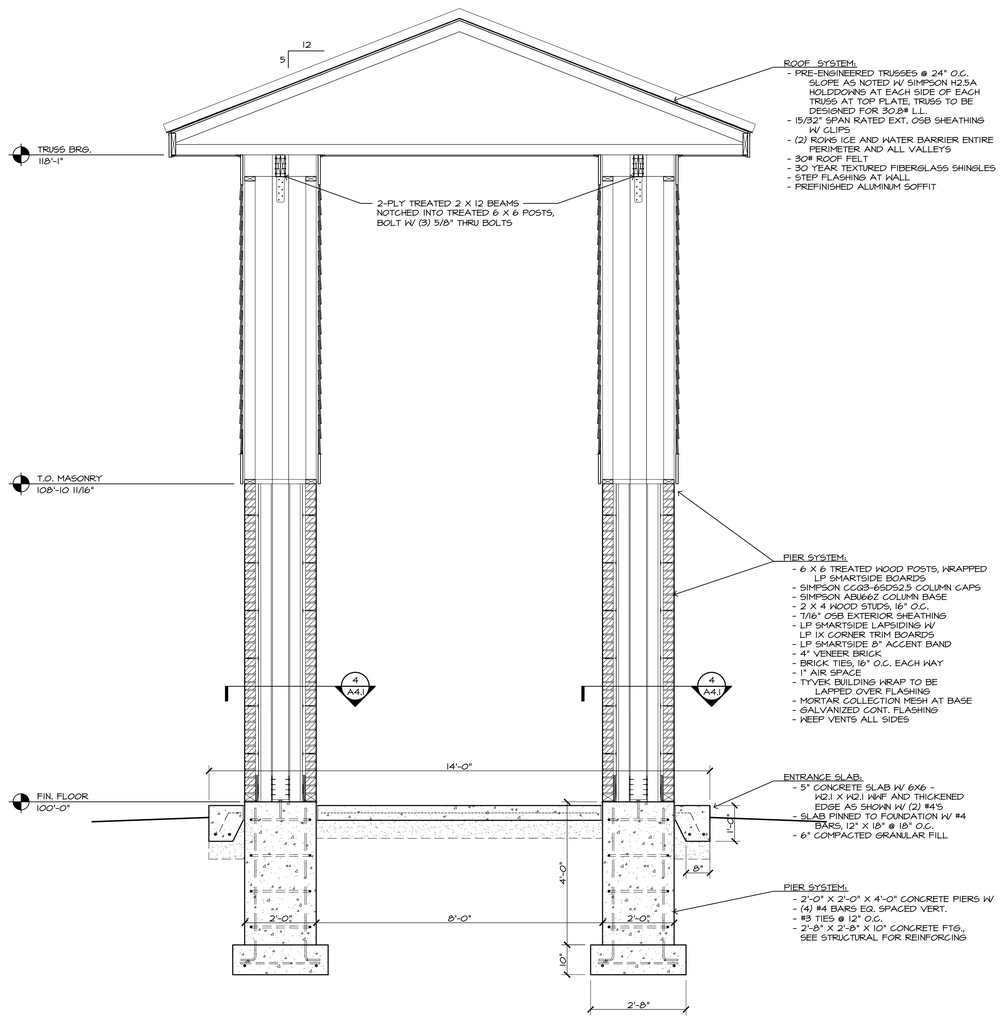
6 / A4.1 FIRE EXTINGUISHER PLAN
3/4" = 1'-0"



7 / A4.1 FIRE EXTINGUISHER ALCOVE ELEVATION
3/4" = 1'-0"



1 / A4.1 ENTRANCE CANOPY SECTION
1/4" = 1'-0"



2 / A4.1 ENTRANCE CANOPY SECTION
1/4" = 1'-0"

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CANOPY SECTIONS
CONSTRUCTION DETAILS

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DRAWN BY : KKT

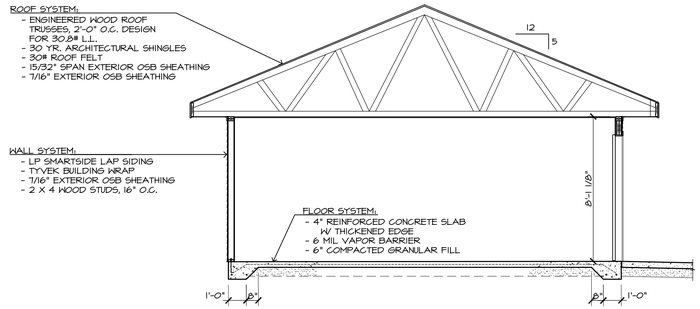
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REVISIONS :

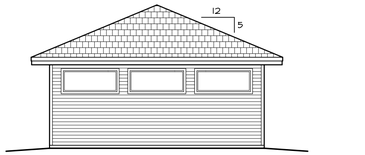
Nicolai Apartments

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La Crosse, WI 54601

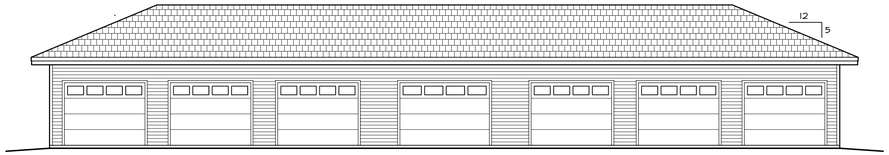
A4.1



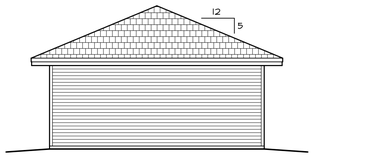
7 / A5 BUILDING SECTION
1/4" = 1'-0"



5 / A5 SOUTH ELEVATION
1/8" = 1'-0"



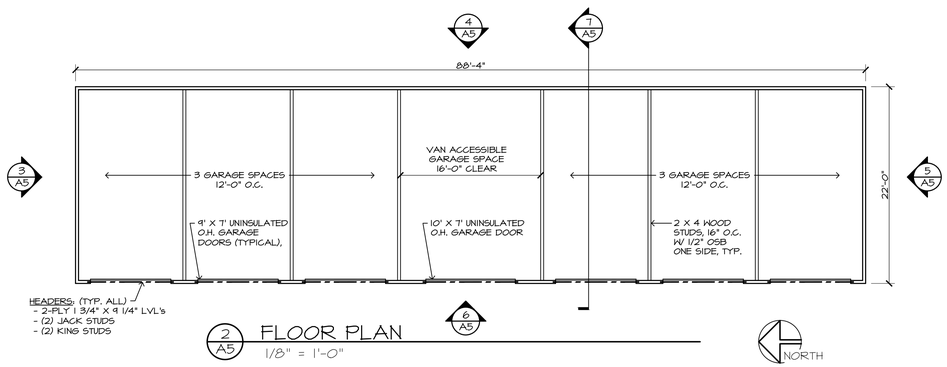
6 / A5 WEST ELEVATION
1/8" = 1'-0"



3 / A5 NORTH ELEVATION
1/8" = 1'-0"

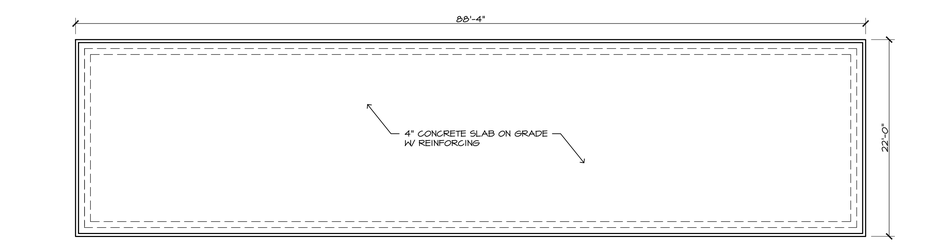


4 / A5 EAST ELEVATION
1/8" = 1'-0"



2 / A5 FLOOR PLAN
1/8" = 1'-0"

NORTH



1 / A5 FOUNDATION PLAN
1/8" = 1'-0"

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GARAGES:
- FOOTING & FOUNDATION PLANS
- FLOOR PLANS
- EXTERIOR ELEVATIONS
- BUILDING SECTION

DATE : 03.26.26

DRAWN BY : KKT

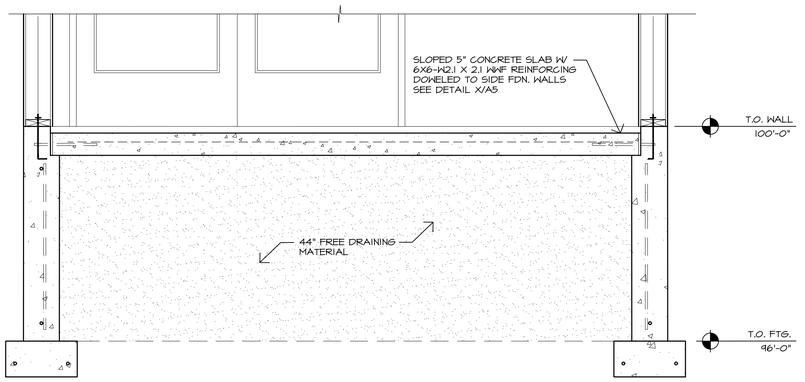
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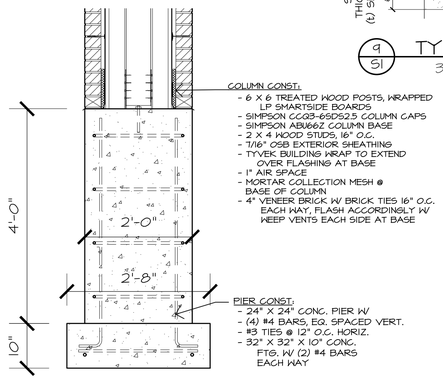
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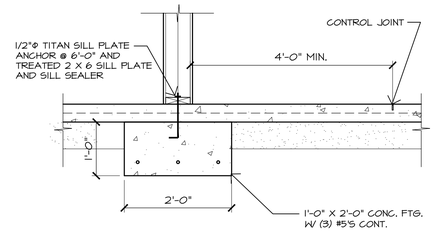
A5



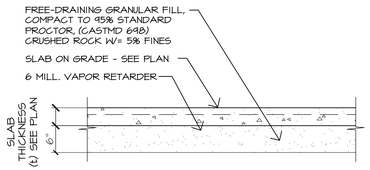
6/S1 STOOP SECTION
3/4" = 1'-0"



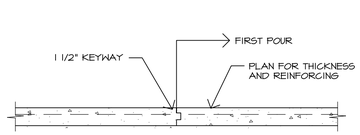
7/S1 PIER CONSTRUCTION
3/4" = 1'-0"



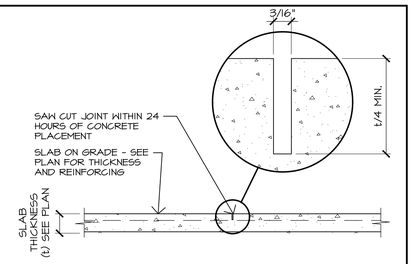
8/S1 BEARING WALL DETAIL
3/4" = 1'-0"



9/S1 TYP. SLAB ON GRADE
3/4" = 1'-0"



10/S1 TYP. CONST. JOINT DTL.
3/4" = 1'-0"



11/S1 TYP. SLAB CONTROL JT.
3/4" = 1'-0"

FOUNDATION KEYED NOTES:

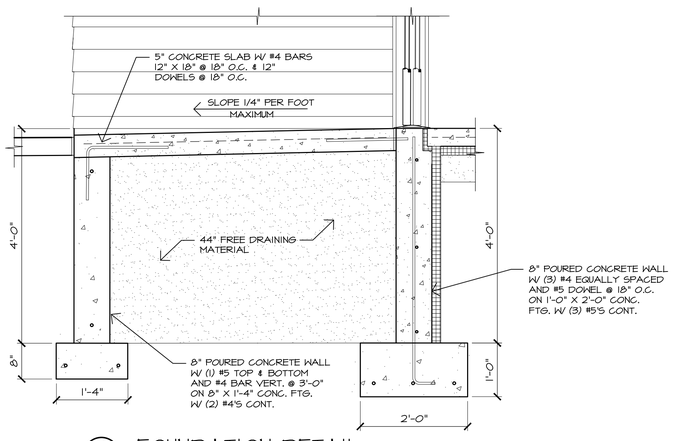
(S1) 4" THICK CONC SLAB ON GRADE WITH 6X6-W2.1 X W2.1 WWF, 10 MIL POLY VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE.

(S2) TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0", REFER TO 11/S1.

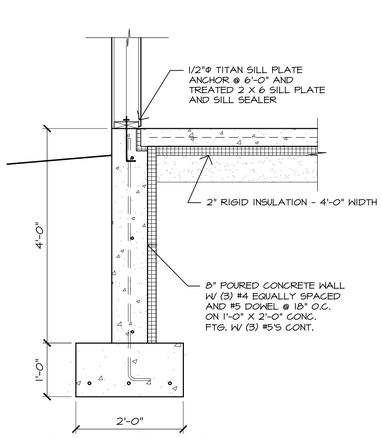
(S3) TYPICAL SLAB CONSTRUCTION JOINT (WHERE APPLICABLE) REFER TO 10/S1.

CONSTRUCTION GENERAL NOTES

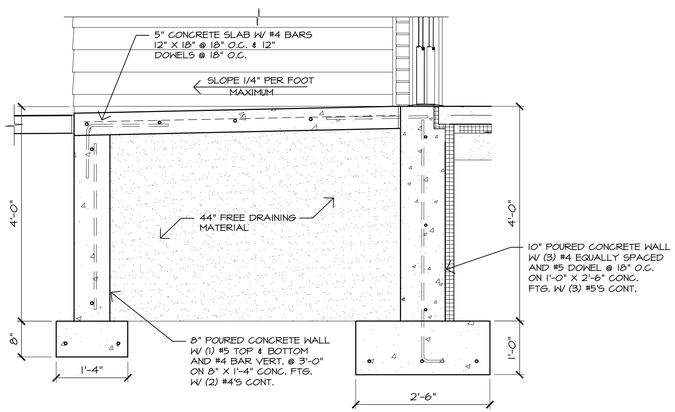
1. FIELD VERIFY ALL EXISTING CONDITIONS. ANY EXISTING CONDITION THAT DOES NOT AGREE WITH THESE PLANS MUST BE BROUGHT TO THE ARCHITECTS ATTENTION FOR REVIEW. GENERAL CONTRACTOR SHALL
2. OBSERVE ALL STATE AND LOCAL CODES
3. ALL REBAR USED SHALL BE CLEAN AND FREE OF OIL, DIRT OR OTHER CONTAMINANTS THAT WILL PREVENT COMPLETE BONDING TO THE CONCRETE.



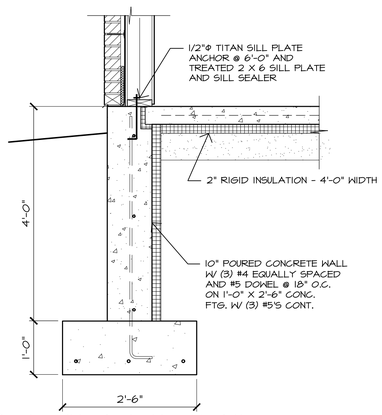
4/S1 FOUNDATION DETAIL
3/4" = 1'-0"



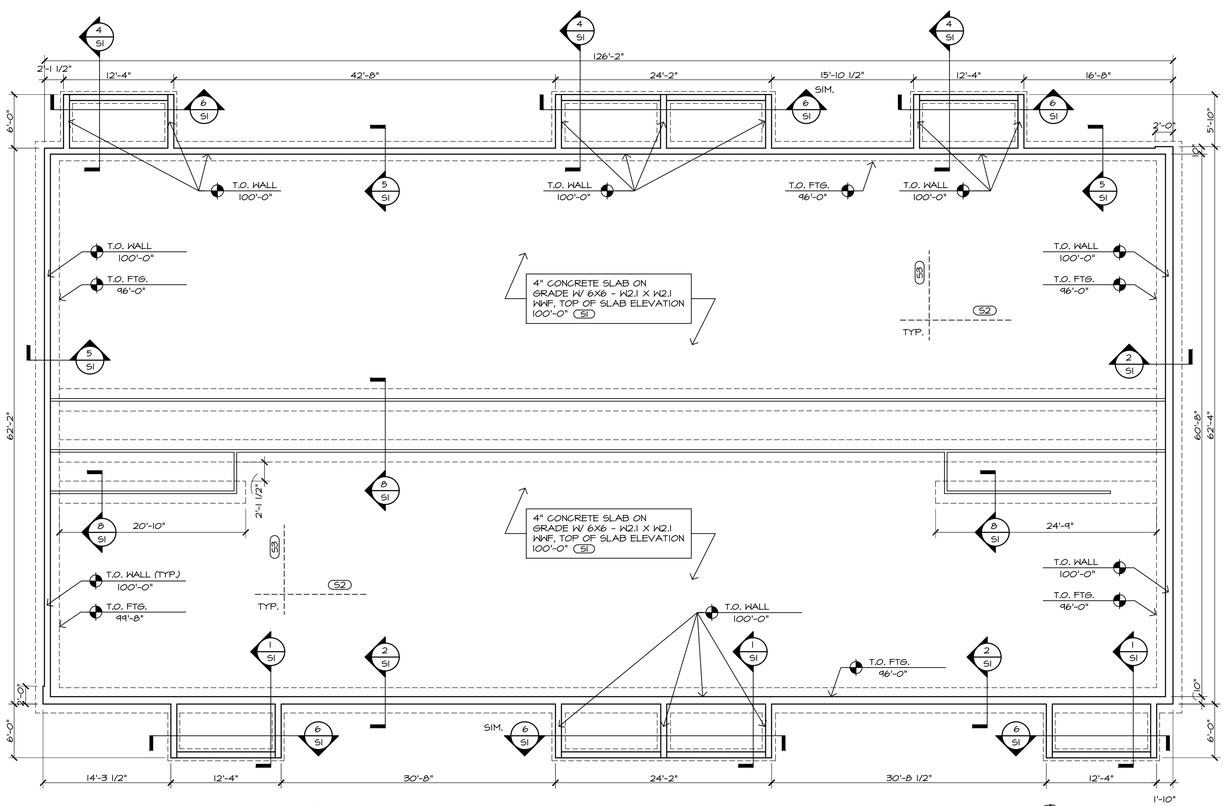
5/S1 FOUNDATION DETAIL
3/4" = 1'-0"



1/S1 FOUNDATION DETAIL
3/4" = 1'-0"



2/S1 FOUNDATION DETAIL
3/4" = 1'-0"



3/S1 FOUNDATION PLAN
1/8" = 1'-0"

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FOOTING & FOUNDATION PLAN
CONSTRUCTION DETAILS

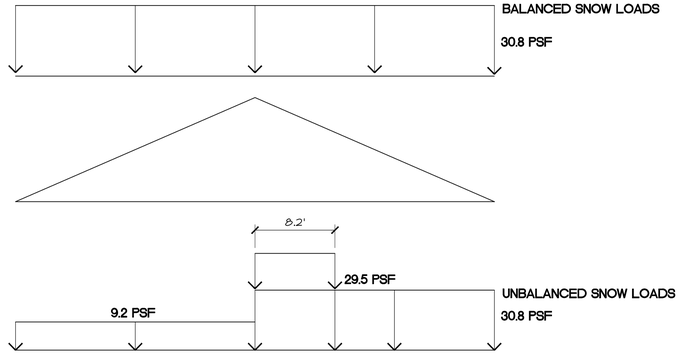
DATE : 03.26.26
DRAWN BY : KKT
CHECKED BY : AC
REVISIONS :

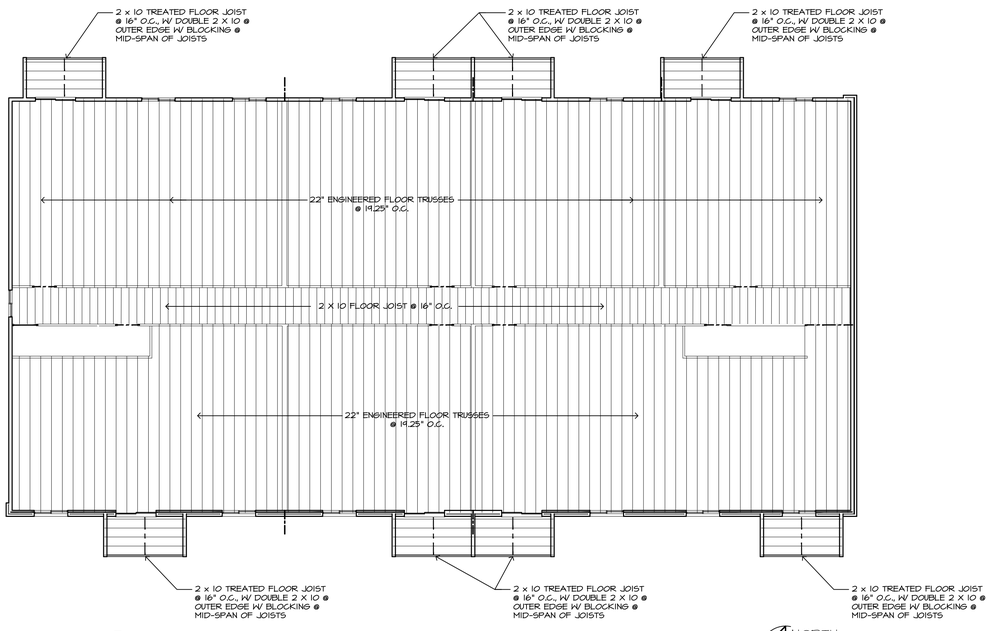
Nicolai Apartments
3629 Calvert Road
La Crosse, WI 54601

S1

PER IBC 2015 ASCE 7-10 LOADS:

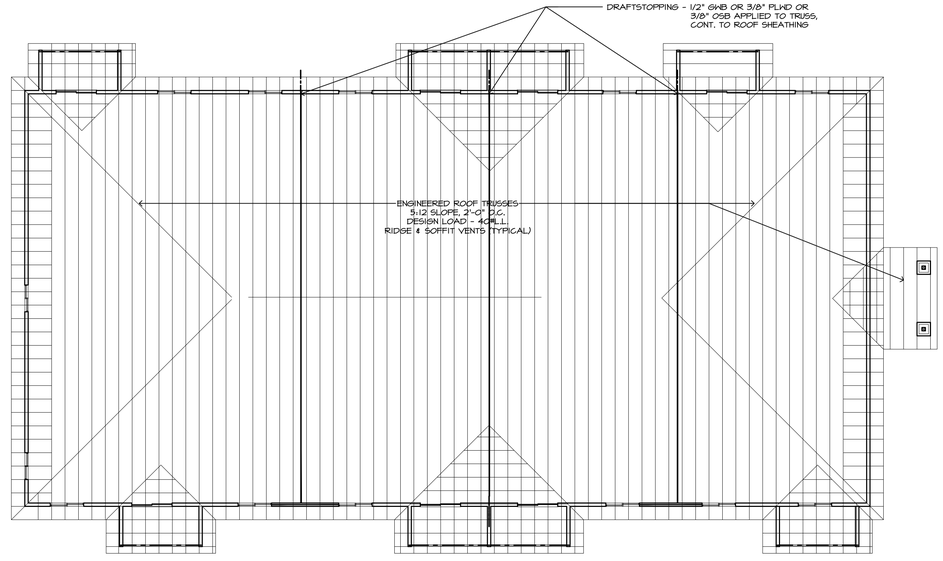
- Pg = 40 PSF
- MAX. WIND V = 115 MPH
- FLOOR LIVE LOAD = 40 PSF
- FLOOR DEAD LOAD = 20 PSF
- RESIDENTIAL CORRIDOR/STAIRS = 100 PSF
- ROOF TRUSS TOP CHORD DEAD LOAD = 10 PSF
- ROOF TRUSS BOTTOM CHORD DEAD LOAD = 10 PSF
- ASSUMED SOIL BEARING PRESSURE = 2000 PSF
- PARTITION LIVE LOAD = 15 PSF





1 / S2 FIRST FLOOR FRAMING PLAN
3/32" = 1'-0"

NORTH



2 / S2 ROOF FRAMING PLAN
3/32" = 1'-0"

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608-780-5075

FLOOR FRAMING PLAN
ROOF FRAMING PLAN
SNOW LOADS

DATE : 03.26.26

DRAWN BY : KKT

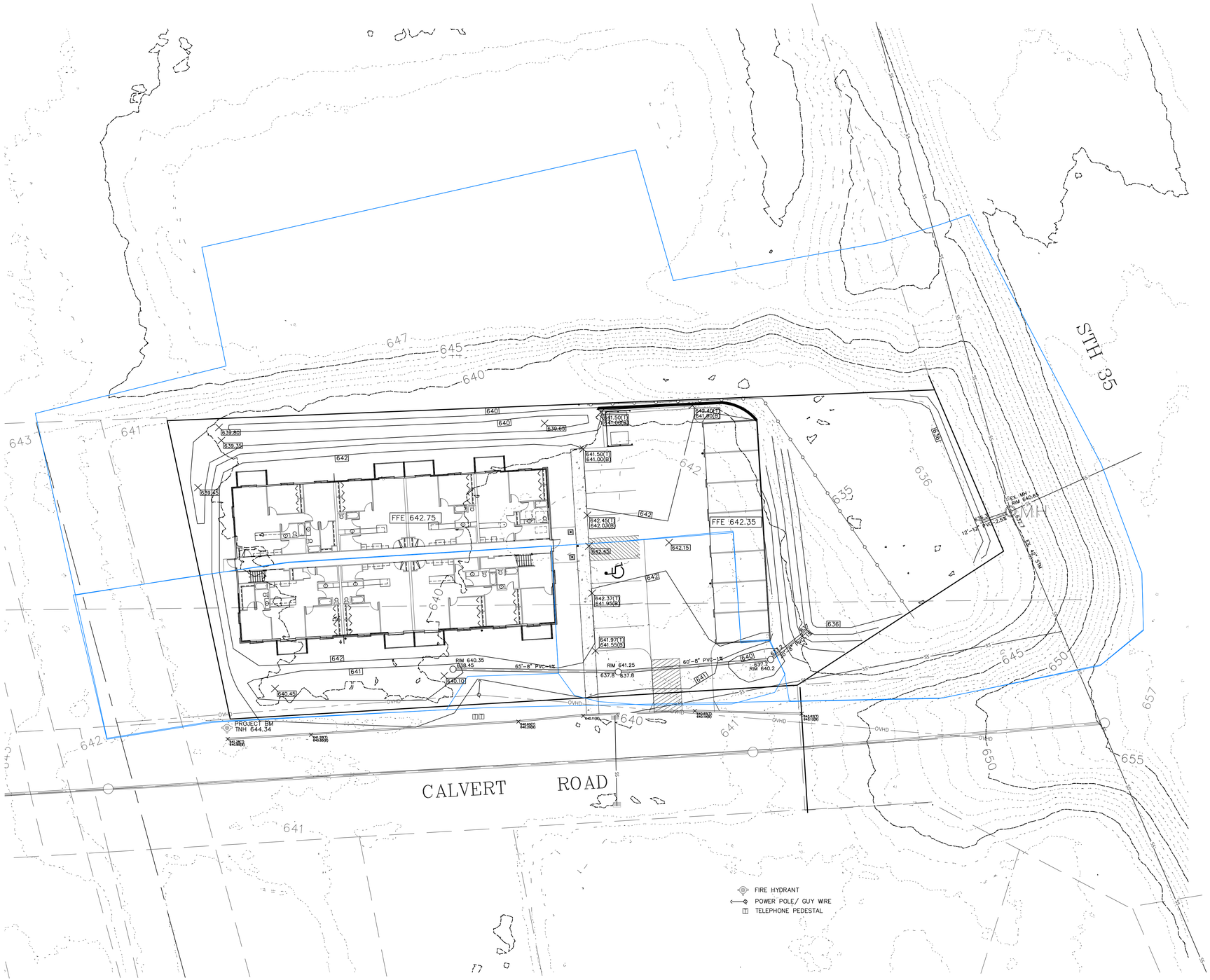
CHECKED BY : AC

REVISIONS :

Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

S2



LEGEND

- FOUND 3/4" I.D.I.P. (UNLESS NOTED)
- FOUND P.K. NAIL
- FOUND CHISELED "X"
- SET 3/4" X 18" IRON BAR
- TNH TOP NUT HYDRANT
- UTILITY POLE W/GUY WIRE
- HYDRANT
- EXISTING UNDERGROUND ELECTRIC
- SPOT ELEVATION
- SILT FENCE
- TRACKING CONTROL PAD
- BIOFILTRATION AREA, SEE DETAIL

GRADING NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- The underground locations of the public utilities were marked by representatives of those companies. The locations of the customer owned underground utilities were NOT marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contours shown are for finished surfaces, any adjustment to subgrade is the contractor's responsibility.
- All disturbed areas that unpaved are to be landscaped or sodded as indicated on the landscape plan.
- Pavement section consists of 3" Bituminous Pavement and 8" crushed aggregate base course.
- Spot elevations shall take precedence over contours and slopes shown. However, the contractor shall notify the Engineer if spot elevations do not appear to agree with the contours and slopes labeled. Spot elevations and specific profile information shall be used for establishing the elevation of curbs, driveways, and other utilities.
- All finished grading shall provide for a smooth transition to ungraded areas.
- All pvc storm piping shall be minimum SDR 35.

BUILDING AND WASTE MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.

UTILITY NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- Field verify all locations and invert elevations prior to commencing work.
- All Sanitary Sewer piping shall be PVC meeting ASTM D-3034 SDR 26.
- Water Lines shall be Ductile Iron (3" or Greater), or shall be AWWA C900. Tracer wire for C900 shall be a 1/8" stainless steel with poly coating, or approved equal. The tracer wire shall be securely grounded to the compression fitting at both the watermain and curb stop.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contractor shall comply completely with the latest standards of OSHA Directives or any other agency having jurisdiction for excavation and trenching procedures. Contractor is responsible for complying with performance criteria as required by OSHA.
- Maintain 5' separation for watermain crossing over sanitary lateral.
- See Plumbing Plans for storm sewer drain connection locations.
- Storm connections shall be watertight with rubber gasket and steel band.
- All storm sewer piping shall have joints wrapped with EZ-Wrap by Press-Seal Gasket Corporation, or equal.

LA CROSSE COORDINATE SYSTEM

1" = 20'

0 10 20

LA CROSSE
ENGINEERING & SURVEYING CO., INC.
1206 S. 3rd STREET, LA CROSSE, WI 54601
Office: (608)782-1313 Fax: (608)782-5402
www.lacrosseengineering.com

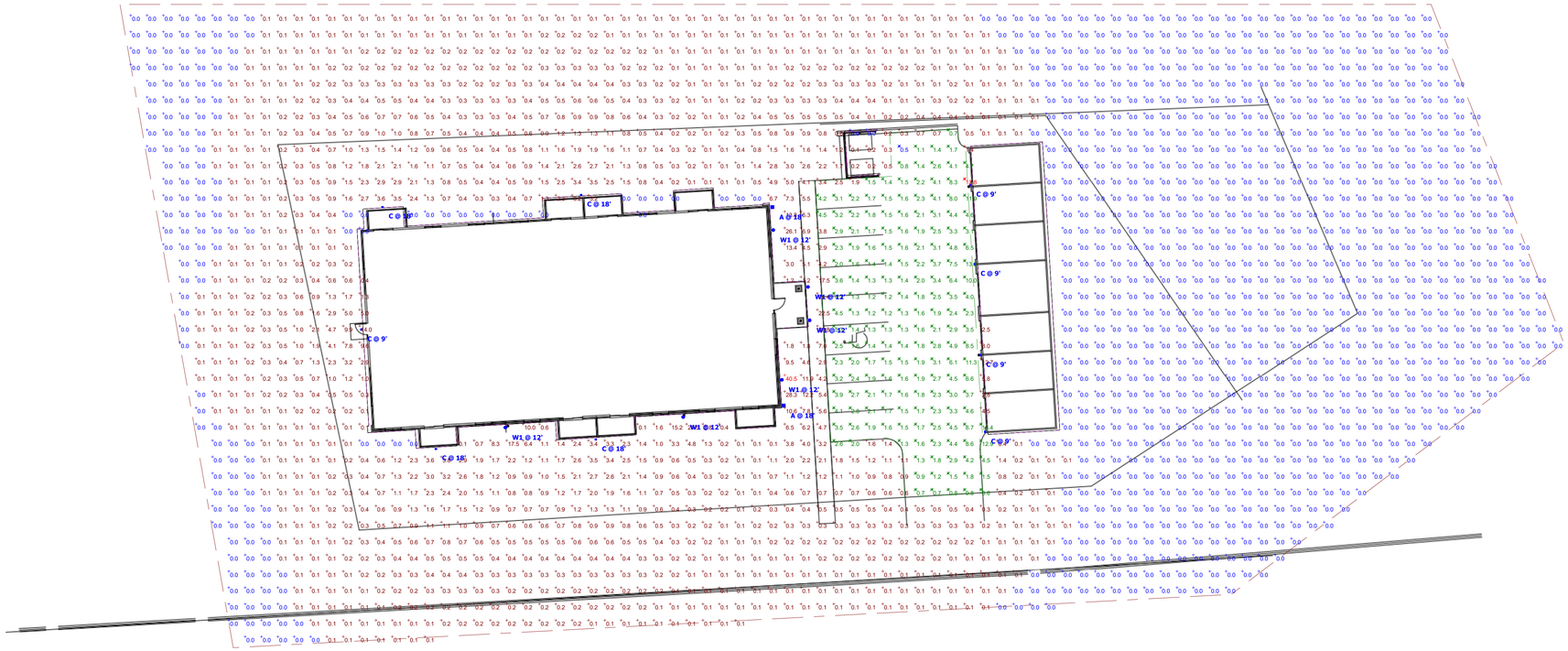
NICOLAI APARTMENTS
CALVERT ROAD, LA CROSSE, WI
GRADING & EROSION CONTROL PLAN

DATE: 3/06/26

FILE: NICOLAI_CALVERT

DRAWN BY: FJH

C1



NORTH

SITE PLAN - PHOTOMETRICS

SCALE: 1" = 20'-0"

0' 20' 40'

Schedule									
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
○	W1	6	WAC LTG - DS-WE06-F30S-WT	SURFACE MOUNTED UP/DOWN LIGHT	LED	1	3943	0.9	34.8997
□	A	2	RAB - WP1FA29	EXTERIOR WALLPAK	LED	1	9552	0.9	88.54
□	C	9	RAB - WP2FA60	EXTERIOR WALLPAK	LED	1	4089	0.9	29.8321

Statistics						
Description	Symbol	Avg	Min	Max/Min	Avg/Min	Max
Calc Zone #2	+	0.7 fc	0.0 fc	N/A	N/A	40.5 fc
Parking	×	3.0 fc	0.5 fc	27.6:1	6.0:1	13.8 fc

C:\Users\melissaw\Documents\260028400_ELEC_melissa.wesinger.rvt
3/23/2026 2:55:57 PM

TUBE ARCHITECTURAL DS-WE06

6" Extended Single LED Wall Mount

WAC LIGHTING





Fixture Type: W1

Catalog Number: DS-WE06-F30S-WT

Project: NICOLAI

Location: LA CROSSE, WI

PRODUCT DESCRIPTION

The latest energy efficient LED technology in an appealing cylindrical profile delivers accent and wall wash lighting. Comes in various light distribution and beam angle options.

FEATURES

- Single light extended body high performance exterior rated LED wall mount
- Fixture can install upside down to alter light distribution
- Solid aluminum construction
- 5 year warranty

SPECIFICATIONS

Input: Universal voltage 120V - 277VAC, 50/60Hz
Dimming: Electronic low voltage (ELV) : 100% - 5%
0-10V: 100% - 1%
Light Source: High output 3 Step Mac Adam Ellipse COB
Rated life ofl0,000 hours at L70
Finish: Electrostatically powder coated white, black, bronze and graphite
Standards: IP65 rated, ETL & cETL wet location listed,
Energy Star® 2.2 Title 24 JA8-2016 Compliant
Operating Temp: -13°F to 122°F (-25°C to 50°C); EM: -4°F to 122°F (-20°C to 50°C)

ORDERING NUMBER

Diameter	Watt	Beam	Beam Angle	Color Temp	CRI	Reference Output[2] Lumen	CBCP	Efficacy (lm/w)	Light Distribution	Finish
DS-WE06	35W	S Straight up or down	16°	927S	2700K	90	2820	18842	81	BK Black, WT White, BZ Bronze, GH Graphite
				27S	2700K	85	3385	22608	97	
				930S	3000K	90	2925	19543	84	
				30S	3000K	85	3535	23632	101	
				835	3500K	85	3630	24255	104	
				40S	4000K	85	3665	24490	105	
		N Straight up or down	28°	927S	2700K	90	2800	7992	80	
				27S	2700K	85	3360	9589	96	
				930S	3000K	90	2900	8290	83	
				30S	3000K	85	3510	10024	100	
				35S	3500K	85	3600	10288	103	
				40S	4000K	85	3635	10388	104	
DS-WE06EM[1]	35W	F Straight up or down	38°	927S	2700K	90	2825	5451	81	
				27S	2700K	85	3390	6540	97	
				930S	3000K	90	2930	5654	84	
				30S	3000K	85	3545	6836	101	
DS-WE0622	22W			35S	3500K	85	3640	7017	104	
				40S	4000K	85	3675	7085	105	
DS-WE0622EM[1]	22W	F Away from the wall	N/A	927A	2700K	90	2860	N/A	82	
				27A	2700K	85	3435		98	
				930A	3000K	90	2970		85	
				30A	3000K	85	3590		103	
				35A	3500K	85	3685		105	
				40A	4000K	85	3720		106	
DS-WE06-	-	F Towards the wall	N/A	927B	2700K	90	2860	N/A	82	
				27B	2700K	85	3435		98	
				930B	3000K	90	2970		85	
				30B	3000K	85	3590		103	
				35B	3500K	85	3685		105	
				40B	4000K	85	3720		106	

Example: DS-WE06-F930A-WT

[1]EM fixtures provided with integral emergency battery back up. Provides at least 90 minutes of 5W illumination during emergency operation. Emergency test button and indicator light located in fixture mounting arm.

[2]Reference output shows 35W output. Multiply by 0.7 to determine output for 22W combinations.

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. SEPT 2019

WP1FA29

RAB



Color: Bronze

Weight: 6.6 lbs

Project: Nicolai

Type: C

Prepared By: MKR

Date: 3/13/2026

Driver Info		LED Info	
Type	Constant Current	Watts	29W
120V	0.24A	Color Temp	3000/4000/5000K
208V	0.14A	Color Accuracy	83/84/82 CRI
240V	0.13A	L70 Lifespan	100,000 Hours
277V	0.11A	Lumens	4,009/4,216/4,283 lm
Input Watts	29.7/29/29.7W	Efficacy	135.3/146.1/145.6 lm/W

Technical Specifications

Field Adjustability
Field Adjustable:
Color temperature selectable by 3000K, 4000K and 5000K

Compliance
UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

Performance
Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 125W Metal Halide

LED Characteristics
LEDs:
Long-life, high-efficiency, surface-mount LEDs

Electrical
Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.24A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
12.2% at 120V, 13% at 277V

Power Factor:
98.9% at 120V, 93% at 277V

Photocell:
120-277V selectable photocell that can be turned on and off.

Construction
Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:
Suitable for use in up to 122°F (50°C)

Housing:
Die-cast aluminum

Lens:
Tempered glass

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation
Mounting:
Wall mount

Other
5-Year Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

WP2FA60

RAB



Color: Bronze

Weight: 7.9 lbs

Project: Nicolai

Type: A

Prepared By: MKR

Date: 03/13/2026

Driver Info		LED Info	
Type	Constant Current	Watts	60W
120V	0.5 A	Color Temp	3000/4000/5000K
208V	0.30A	Color Accuracy	81/84/82 CRI
240V	0.27A	L70 Lifespan	100,000 Hours
277V	0.23A	Lumens	8,762/9,140/8,990 lm
Input Watts	62.7/60.6/62.9W	Efficacy	139.8/150.8/142.9 lm/W

Technical Specifications

Field Adjustability
Field Adjustable:
Color temperature selectable by 3000K, 4000K and 5000K

Compliance
UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

Performance
Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 250W Metal Halide

LED Characteristics
LEDs:
Long-life, high-efficiency, surface-mount LEDs

Electrical
Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.51A, 208V: 0.30A, 240V: 0.27A, 277V: 0.23A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
9.87% at 120V, 14.06% at 277V

Power Factor:
99% at 120V, 89.7% at 277V

Photocell:
120-277V selectable photocell that can be turned on and off.

Construction
Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:
Suitable for use in up to 122°F (50°C)

Housing:
Die-cast aluminum

Lens:
Tempered glass

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation
Mounting:
Wall mount

Other
5-Year Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Copyright © 2026 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

ELECTRICAL SITE PLAN - PHOTOMETRICS

EXCEL

Always a Better Plan

100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

PROPOSED BUILDING FOR:

NICOLAI APARTMENTS

3629 CALVERT RD. • LA CROSSE, WI 54601

PROFESSIONAL SEAL

SHEET DATES

ISSUED FOR APPROVAL

IFA	MAR. 13, 2026
AD1	MAR. 24, 2026

JOB NUMBER

260028400

SHEET NUMBER

E1.0

LA CROSSE
WISCONSIN

Department of Planning and Development
400 La Crosse St, La Crosse, WI 54601 | P: (608) 789-7512

Memorandum

To: **Design Review Committee**
Kevin Timmerman, 5th Avenue Design Services

From: **Tim Acklin, Planning and Development Department**

Date: **March 20, 2026**

Re: Design Review Project
15-Unit Apartment Building

Design Review Committee Members:
Steve Pataska, Police Department
Tim Acklin, Planning & Development Department
Matt Gallager, Engineering Department
Yuri Nasonovs, Engineering Department
Dwain Miller, Building and Inspections Department
Jason Riley, Building and Inspections Department
Brian Asp, Utilities Department
Bee Xiong, Fire Department- Division of Fire Protection and Building Safety
Brian Asp, Utilities Department
Samantha Meyer, Parks, Recreation, and Forestry Department
Jamie Hassemer, Engineering Department
Stephanie Sward, Engineering Department
Cullen Haldeman, Engineering Department

On March 13, 2026, plans were submitted to the Design Review Committee for review of the 15-unit apartment building located at 3629 Calvert Road. The following comments/feedback have been provided.

All revised plans in accordance with this memo must be submitted to the Planning and Development Department for review, unless otherwise stated. No permits will be issued for this project by the Division of Fire Prevention and Building Safety until they receive written confirmation/approval from the Planning and Development Department.

Requirements Prior to Issuance of a Demolition or Footing & Foundation Permit

1) Approval of a Certified Survey Map. (If applicable)
2) Combination of parcels for project site. (If applicable)
3) Approval of Final Plans from the Engineering Department.
4) Approval of Final Plans from the Utility/Water Department.
5) Approval of Final Plans from the Building and Inspections Department

Requirements Prior to Issuance of a Building Permit

1) Approval of Final Plans from the Planning and Development Department.

Requirements Prior to Issuance of an Occupancy Permit

1) A Letter of Credit in the estimated cost amount of the proposed landscaping has been submitted to the Planning and Development Department to guarantee the proper installation and growth of all landscape improvements proposed in the approved Landscape Plan **OR** all proposed landscaping in the approved Landscape Plan has been installed.
2) A stamped letter of substantial completion from the design engineer of the project within 10 days of completion.
3) Field review and approval of the completed stormwater management facility by the City's Utilities Department.
4) Compliance statement required to be submitted from the supervising professional (architect or engineer) observing the construction project.
5) Final inspection to be performed by Building & Inspections staff.
6) Field review and approval of the completed stormwater management facility by the City's Utilities Department.

Engineering Department- (Contact-Matt Gallager-789-7392, Stephanie Sward-789-8171, Jamie Hassemer- 789-8182, Cullen Haldeman- 789-8185)

1) Any work within the Public ROW will need to meet city standards and will need an Excavation Permit. (Sward)
2) Will need to close the current opening if not being used. The proposed new opening will need to meet city specifications. (Sward)
3) Revise parking lot plan to include Dimensions for parking stalls. Also, provide grades for parking lot, including ada spot and drive aisle. (Sward)
4) Must submit a photometric plan, to scale, with cutsheets of proposed fixtures. Must show footcandle values 25ft beyond the property line. Submitted plan is not to scale. (Jamie Hassemer)
5) Public sidewalk section- Will need an ADA curb ramp. (Overby)

Building and Inspections Department
(Contact-Dwain Miller- 789-3868, Jason Riley- 789-7585)

1) Contact United States Postal Service for location and type of mailbox(es) required if applicable
2) Will need State Approved Building and HVAC Plans. (Miller)
3) Will need Separate electrical, plumbing, HVAC, building, fence and signage permits.
    a. Separate building permits for garages and trash enclosure. (Miller)
4) State plan approval for plumbing plans. Must include interior and exterior fixtures. Exterior sewer and water connections are not on the submitted plan. (Riley)

5) Connection fee must be paid and stormwater permit must be approved before any plumbing permit will be issued. (Riley)

Police Department- (Steve Pataska-789-7210)

1) No concerns at this time. Recommendation to install cameras and entrance and exit points. The Police Department can assist with this effort.

Planning Department-(Contact-Tim Acklin-789-7391)

1) Parking is closer to both streets (Calvert Rd & STH 35) than building. Will need to provide statement as to why this requirement cannot be met or request a exception from the Common Council. Link to process. Can the building and garages swap places?
2) Garage does not meet window requirement when facing a street. Provide percent calculation of windows and doors in relation to the total façade for the South Elevation. Windows and doors must equal 20% of the total façade.
3) Garage overhead doors must include a window slat.

Utilities Department- (Brian Asp-789-3897)

1) Sanitary Sewer Connection fee will need to be paid. Work with Brian and the Utilities Department on this item.
2) Will need a Utility Plan that includes all of the sanitary and water connections
3) Show how you plan to meter the units. Individually or Master? If individual you will need to provide a separate room.
    a. Applicant stated they plan to meter via master.

Engineering Department (Stormwater) - (Contact-Yuri Nasonovs-789-7594)

1. Will need to submit application, draft maintenance agreement and review fee of $200.
    a. Can be found at link below.
    b. Stormwater Permit Application | La Crosse, WI
2. Will also need to obtain/Submit a Water Quality Management Letter.

Fire Department- (Contact- Bee Xiong 789-7260)

1. Will need a KNOX Box. Work with Fire Department on any concerns related to this requirement.
2. Fire alarm and sprinkler plans must be submitted to the State and La Crosse FD for review and approval.
3. Fire Department Connection (FDC) must be within 100ft of a hydrant.

Parks, Recreation, and Forestry- (Contact-Sami Meyer 789-7560, Dan Trussoni 789-4915)

1) Limoncello Barberry will need to be replaced- species not approved by DNR.

MULTIFAMILY HOUSING DESIGN STANDARDS APPLICATION

Planning Department · Phone: (608) 789-7512 · Fax: (608) 789-7318
http://www.cityoflacrosse.org Planning@cityoflacrosse.org

Permit No:	
Date:	
STATUS:	**Parcel No.:**

OWNER

Name: Steven Nicolai			
Address: 4535 Mormon Coulee Road #5			
City: La Crosse	State: WI		Zip Code: 54601
Phone: (608) - 788-7962	Cell: ( ) -	Fax: ( ) -	Email: nate@nicolaiapartments.com

ARCHITECT CONTRACTOR

Name: Kevin Timmerman 5th Avenue Design			
Address: 504 5th Avenue			
City: La Crosse	State: WI		Zip Code: 54601
Phone (608) - 780-5075	Cell: ( ) -	Fax: ( ) -	Email: 504bydesign@gmail.com

PROJECT

Check one: ☒ Building ☐ Addition ☐ Alteration/Remodel

Description of Work:

The proposed development includes the construction of a 15-unit apartment building featuring a mix of one- and two-bedroom units. The project will also include detached garages and surface parking to accommodate residents and guests. The development will provide modern housing while making efficient use of the site and complementing the surrounding area.

Pre-Application Meeting Date:

Applying for Exception: ☒ No ☐ Yes (include $300 check for public notification)

PROPERTY

Project Address: 3629 Calvert Road La Crosse, WI 54601

Zoning District: R-5		Parcel Number: 17-50325-760
Address: 3629 Calvert Road		Address information same as property owner: ☐
City: La Crosse	State: WI	Zip Code: 54601

OFFICE USE ONLY

Date Received	
Review Date	
Exception Check	☐ Yes ☐ No
Required Info	☐ Architectural Plan ☐ Site Plan ☐ Exterior Light Fixture Locations ☐ Photos ☐ Street façade diagram ☐ Design Standards Checklist/LEED Checklist ☐ Landscaping Plan

The applicant agrees that all design aspects and maintenance plans are in accordance with the requirements of Section 15.46 of the Code of Ordinances for the City of La Crosse. Application, the checklist, and seven (7) sets of required information must be submitted to the City Inspection Department prior to review and acceptance.

Kevin Timmerman 5th Avenue Design
(PRINT) Architect/Engineer Name

03.13.26
Signature (Architect/Engineer) DATE

Steven Nicolai
(PRINT) Owner Name

3-13-26
Signature (Owner) DATE

DESIGN REVIEW CHECKLIST

The checklist must be completed in full by the applicant prior to submission. Completed elements should be checked. Any elements that do not apply to your site or you are requesting an exception on, check the corresponding column and include notes. Items in italics are recommended actions but not required.

		YES	NO	N/A	NOTES
C.2	Parking stalls no closer to street than the building	☐	☒	☐	
C.3	No driveway to the street if lot has alley access	☐	☐	☒	
C.4	Minimum of a 15' landscape buffer between the building and the parking	☒	☐	☐	
C.5	Parking is a minimum of 5' set back from all property lines *(except alley)*	☒	☐	☐	
C.6	Planting islands in parking lot with 12 spaces, and an extra planting island for every additional 20 spaces	☐	☐	☒	
C.7	*In place of C.4, C.5, & C.6*, the rear yard sets aside green space totaling 15% of lot	☐	☐	☒	
C.8	Buffers, setbacks, and planting islands may be used for stormwater infiltration.	☐	☐	☒	
C.9	There is pavement, concrete curb, and gutter in all parking areas with 8 or more spaces	☒	☐	☐	
C.10	Minimum of one off-street parking space per bedroom	☐	☒	☐	
C.11	All parking spaces at least 8.5' by 17'	☒	☐	☐	
C.12	Drive aisle meets minimum width requirement	☒	☐	☐	
C.13	If at least 25% of paved areas uses paving blocks, parking increased by no more than 5%	☐	☒	☐	
C.14	Parking lots on same lot as principle structure	☒	☐	☐	
C.15	Techniques used along edges and parking edges to prevent motor vehicles on grass areas	☒	☐	☐	
C.16a	Parking lot snow storage area(s) designated in parking lot and/or green space buffers	☒	☐	☐	
C.16b	Snow storage area(s) are not within the required outdoor recreational space	☒	☐	☐	
C.16c	Snow Storage area(s) are not located near parking entrances	☒	☐	☐	
C.17	Light-colored and/or reflective surfaces coatings for parking lots	☒	☐	☐	
C.18	Low-impact paving materials and methods used	☐	☒	☐	
C.19	Porous paving materials use to reduce stormwater runoff	☐	☒	☐	
D.2	Pedestrian routes designated and paved	☒	☐	☐	
D.3	Pedestrian routes use concrete or other approved material *(no asphalt or similar material)*	☒	☐	☐	
D.4	Pedestrian routes use porous paving material	☐	☒	☐	
E.2	Site and building plans show all required items	☒	☐	☐	
E.3	No service, utility, or mechanical features within 10' of building front *(except mailboxes)*	☒	☐	☐	
E.4	Trash and recycling containers screened	☒	☐	☐	
E.5	Trash and ash cans at each entrance serving 2 or more units	☐	☐	☒	
E.6a	Heating appliances are located inside the building	☒	☐	☐	
E.6b	High energy gas appliances' intakes and exhaust vents located on the side or rear away from sidewalks, trees, & shrubs	☐	☐	☒	
E.6c	Window-mounted air conditioners are not located in windows facing the street	☒	☐	☐	
E.6d	"Magic Pak" air conditioner/heat pump units on street facing facades	☐	☐	☒	
E.6e	Wall-mounted air conditioners facing the street are masked or blend in with the exterior siding and finishes	☐	☒	☐	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
E.6f	Heat pumps or air conditioners located on the ground are on one side or the rear of the building and are screened	☐	☐	☒	
E.6g	Heat pumps or air conditioners located on the roof are one side or the rear of the building and are screened	☐	☐	☒	
E.7a	One bike parking space provided for every three bedrooms.	☒	☐	☐	
E.7b	Bicycle parking *(accommodating four bicycles)* is at least 9' by 6' or 54 sq.ft. and increase by the same ratio for any additional bike parking spaces.	☒	☐	☐	
E.7c	Exterior bicycle parking are either ribbon racks or bike racks.	☒	☐	☐	
E.7d	Exterior bike parking areas is located inside/near building entries that is well-lit and not in the front yard or placed to interfere with pedestrian circulation	☒	☐	☐	
E.7f	Bikes are not stored, locked, or chained on decks, patios, fences, or any other exterior locations other than in bike racks designed for bicycle parking	☒	☐	☐	
E.7g	Bicycle parking areas uses porous pavers *(except the bike rack base is concrete)*	☐	☒	☐	
E.8	No outdoor vending machines	☐	☐	☒	
F.2	Landscape plan addresses all parts of the parcel and indicates maintenance requirements	☒	☐	☐	
F.3a	At least one shade tree per 40 linear feet of lot frontage	☒	☐	☐	
F.3b	At least one tree placed in the boulevard per 40 linear feet of lot frontage	☒	☐	☐	
F.3c	At least one tree and 10 shrubs per 600 sq. ft. of landscaped area	☒	☐	☐	
F.4	Plant size minimum standards have been met in landscape plan	☒	☐	☐	
F.5	Boulevard tree species are from the City's approved list	☒	☐	☐	
F.6	No *Poplar, Box Elder, Catalpa, Mountain Ash, Willows, Birch, Conifers, Hackberry,* or *Elm* trees	☐	☐	☐	
F.7	Existing healthy trees are preserved and indicated in landscape plan	☐	☒	☐	
F.8	Landscaping reinforces pedestrian routes	☒	☐	☐	
F.9	Parking areas screened from street by shrubs or by other natural landscape screening	☒	☐	☐	
F.10	Required sq. ft. of outdoor recreational area on ground level	☒	☐	☐	
F.11	Building(s) designed to create usable open space	☒	☐	☐	
G.2a	Walls and fences in the front yard do not exceed 4' in height above the finished grade	☐	☐	☒	
G.2b	Walls and fences follow the height restrictions in the side and back yards	☐	☐	☒	
G.2c	Any fence & retaining wall in the front yard setback that exceed 4' in height has a fence that is least 50% transparent	☐	☐	☒	
G.3a	Wall and fence materials coordinated with building materials	☐	☐	☒	
G.3b	Green treated lumber fences are stained or painted	☐	☐	☒	
G.3c	Plastic coated chain link fences are not in the front yard or side yard on corner lots	☐	☐	☒	
G.3d	Walls constructed with smooth faced concrete bricks/blocks are covered by brick or some other decorative block or dimensional material	☐	☐	☒	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
G.4	Fences over 4' in height and/or 50' in length provide a variety of articulation and include at lease one of the following elements: changes in plane, expression of structure, variation of material	☐	☐	☒	
H.2	Stormwater Management and Erosion Control Plan coordinates with Landscape and Open Space Plan and designed by a RLA, Architect, or PE	☒	☐	☐	
H.3	Parking lots with 3 or more spaces direct 80% of water to on-site infiltration basin or rain garden and equals at least 10% of impervious parking and drive area	☒	☐	☐	
H.4	Stormwater is not discharged across sidewalks or neighboring parcels	☒	☐	☐	
H.5	100% of water from 2-year storm infiltrated on-site *(20,000 SF+)*	☒	☐	☐	
H.6	Stormwater facilities designed to enhance appearance of site	☒	☐	☐	
I.2	Exterior lights are residential models and spec sheets are submitted	☒	☐	☐	
I.3	Uniform outdoor pedestrian lighting	☒	☐	☐	
I.4	Parking lot light fixtures no higher than 16' above ground	☒	☐	☐	
I.5	All fixtures are full-cut-off design	☒	☐	☐	
I.6	Overhead light sources not visible from property line w/ 0.5 HFC 25 ft. from property line	☒	☐	☐	
I.7	Lighting levels for parking lot and pedestrian routes are met	☒	☐	☐	
I.8	Exterior entries and garages are designed to have exterior lights	☒	☐	☐	
I.9	Exterior lighting has automatic controls to allow for house number(s) to be visible	☐	☐	☒	
I.10	Exterior lighting along sidewalks and along/inside of parking lots have automatic controls	☒	☐	☐	
I.11	Motion sensor lights, if used, meet the desired standards (≤16ft. above ground, ≤ 2 150 Watts ea., ≥30° downward angle, etc.)	☐	☐	☒	
J.2	Balconies/patios facing the street are incorporated into the architectural facade of the building and does not encroach the building setback area by more than 25%	☒	☐	☐	
J.3	No ground level patios/decks facing the street unless landscaped screening is present on at least 2 sides of the patio/deck	☒	☐	☐	
J.4	Any exterior stairs leading to a deck or balcony is entirely in the rear yard; any exterior corridors must not be visible from the street, must be within the building footprint and must be covered by the building's roof	☐	☐	☒	
J.5	Minimum 42" wall or railing for rooftop patio/deck; only outdoor furniture permitted	☐	☐	☒	
K.2	Building plans approved by AIA architect *(50,000+ cubic feet)*	☒	☐	☐	
K.3	Photos of at least 4 street views of nearby blocks submitted with this checklist	☒	☐	☐	
K.4	Building design provides human scale, interest, and variety using at least one of the following methods: variation in building form, diversity of windows, emphasis of building entries, and/or variation of materials	☒	☐	☐	
K.5	Technique(s) used to minimize apparent height *(3+ stories)*	☐	☐	☒	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
K.6	If the building is more than 50% wider than adjacent building, one of the following techniques shall be used to minimize the apparent width: articulate the facade with projections or bays, and/or use architectural elements such as porches, bay windows, and covered entries	☐	☐	☒	
K.6+	The total area of windows and doors on the street facing facade(s), including trim, shall not be less than the twenty (20) percent of the total facade minus gable	☒	☐	☐	
K.7	Windows and door area on street facade at least 20% of total facade *(excluding gables);* diagram illustrating compliance submitted with this checklist	☒	☐	☐	
K.8	Building built to front setback line or follow existing pattern *(avg of adjacent properties)*	☒	☐	☐	
K.9	The building's square footage is less than three times as large as nearest single family residence and is no more than 15' taller (*Washburn Res. District, R-2 District, TND, or in R-3 to R-6 Districts w/ 50%+ parcels zoned R-1)*	☐	☐	☒	
K.10	Received DRC review and approval prior to submittal to the Heritage Preservation Commission for its review and approval *(Historic Districts or adjacent to any designated historic building)*	☐	☐	☒	
L.2	Primary entrance is on front elevation and faces street	☐	☒	☐	
L.3	No more than two entrances per facade *(except in row houses, and in that case, row house entrance requirements are met)*	☐	☐	☒	
L.4	Building entrances emphasized	☒	☐	☐	
L.5	Main entrances covered at least 3 feet	☒	☐	☐	
M.2	All wall openings articulated	☒	☐	☐	
M.3a	Windows keep with the architectural character of the building	☒	☐	☐	
M.3b	Windows have an interior locking or securing mechanism	☒	☐	☐	
M.3c	Windows that open come with an insect resistant screen	☒	☐	☐	
M.4a	Exterior entry doors for individual units are residential in style and are solid or insulated; if there is not a translucent window lower than 5', it must have a security peephole	☐	☐	☒	
M.4b	Exterior doors have hardware matching the style of the building	☐	☐	☒	
M.4c	Sliding doors have an insect resistant screen door	☒	☐	☐	
M.4e	If a garage or accessory building entry door faces a street, alley or public sidewalk it is residential in style	☐	☐	☒	
M.4f	No sliding doors onto patios on the front facade	☐	☒	☐	
N.2	Gable ends 25' or wider have at least a 5/12 pitch with eaves extend 24" and rakes extend 12" beyond exterior wall; if there are eaves, they must be 18" for a 6/12 pitch roof or less	☒	☐	☐	
N.3	Pitched roofs at least 5/12 pitch and at least one gable facing street	☒	☐	☐	
N.4	Flat roofs use parapet walls with appropriate details	☐	☐	☒	
N.5	Large roof, ≥forty (40) ft., articulated with features to minimize apparent bulk: dormers, shifts in height, cupolas, eyebrows, chimneys, or other features	☐	☒	☐	
N.5+	Stormwater from gutters or roof drains do not drain onto sidewalks or neighboring properties.	☒	☐	☐	

DESIGN REVIEW CHECKLIST

		YES	NO	N/A	NOTES
O.2	The use of identical materials on all sides of building or higher quality materials on street facing facade(s) and complementary materials on non-street sides	☒	☐	☐	
O.3	Use of decorative accessories and trim in the form of *frieze* boards, vertical corner trim, drip caps, gable vents, shingles, and shakes	☒	☐	☐	
O.4	Exterior finish materials do not include vinyl less than 0.44 thick, plywood, chipboard, T1-11, asphalt siding, or smooth-faced concrete block	☒	☐	☐	
O.5	Changes in color and materials occur between horizontal bands to establish "base", "middle," and "top," of building	☒	☐	☐	
O.6	Natural wood is painted or stained (except cedar, redwood, or other naturally weather resistant species & is intended to be exposed); treated wood is painted or stained	☐	☐	☒	
O.7a	Color and design is in general harmony with the overall existing neighborhood and energy use conscious	☒	☐	☐	
O.7b	Neutral or natural colors used for primary siding with brighter or darker colors for accent and trim	☒	☐	☐	
O.7c	Complimentary multi-color and textured roofing materials that are interesting and cooler in summer months	☐	☐	☒	
O.7d	Location on the lot and exterior design is balanced and fits with the natural landscape of the lot and the general neighborhood	☒	☐	☐	
P.2	No street-facing garages on lot served by alley	☒	☐	☐	
P.3	Total width of garage doors facing street ≤ 50% of building width	☐	☐	☒	
P.4	Garages, carports, & accessory buildings are architecturally compatible and use the same finish materials as the primary building	☒	☐	☐	
P.5	Garages have at least one window, containing no less than 576 square inches per 2 stalls	☐	☒	☐	
P.6	Unattached garages shall have at least one service door	☐	☐	☒	
Q.2	Soundproofing used in all shared interior walls and floors and have a STC that meet sec. 1207 of the IBC	☒	☐	☐	
Q.3	Buildings and sites qualify for LEED for Homes certification *(30 of the possible 108 points on checklist)*	☐	☒	☐	
R.2	Long-term maintenance program for all exterior aspects of development	☒	☐	☐	








3630 Calvert Rd
3634 Calvert Rd
La Crosse, Wisconsin
Google Street View
Jun 2023
See more dates
Google Maps


3630 Calvert Rd
3629 Calvert Rd
La Crosse, Wisconsin
Google Street View
Aug 2025
See more dates
Share
Google Maps
Image capture: Aug 2025
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Report a problem


3630 Calvert Rd
3622 Calvert Rd
La Crosse, Wisconsin
Google Street View
Aug 2025
See more dates
Share
Calvert Rd
Google Maps
Image capture: Aug 2025
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SYMBOLS

KEYNOTE REFERENCE:

KEYNOTE NUMBER — NO.

HEIGHT REFERENCE:

REFERENCE POINT ELEVATION — CEILING 10'-0"

DETAIL REFERENCE:

DRAWING NUMBER / SHEET NUMBER — 12 / A3

REVISION INDICATOR:

REVISION NUMBER — 2

SECTION REFERENCE:

DRAWING NUMBER / SHEET NUMBER — 3 / A2

WALL TYPE REFERENCE:

WALL TYPE — A

ELEVATION REFERENCE:

DRAWING NUMBER / SHEET NUMBER — 2 / A4

LINE TYPES:

CENTER LINE
HIDDEN LINE
LEASE LINE
STRUCTURE C.L.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
ACOUS.	ACOUSTICAL
ADJ.	ADJUSTABLE
AL.	ALUMINUM
BTM.	BOTTOM
C.L.	CENTER LINE
CER.	CERAMIC
CONSTR.	CONSTRUCTION
CTR.	CENTER
CL.	CLEAR
COL.	COLUMN
CONT.	CONTINUOUS
DWG.	DRAWING
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
E.J.	EXPANSION JOINT
F.D.	FLOOR DRAIN
FDN	FOUNDATION
FTG.	FOOTING
G.C.	GENERAL CONTRACTOR
GA.	GAUGE
GEN.	GENERAL
GYP. BD.	GYPSUM BOARD
HC	HOLLOW CORE
H.M.	HOLLOW METAL
LAM.	LAMINATE
MAX.	MAXIMUM
MATL.	MATERIAL
MTL.	METAL
MIN.	MINIMUM
O.C.	ON CENTER
SC	SOLID CORE
STD.	STANDARD
V.I.F.	VERIFY IN FIELD

CODE INFORMATION

BUILDING TYPE:
R2 - APARTMENT

CONSTRUCTION TYPE:
VB - FULLY SPRINKLERED, PER NFPA 13R

BUILDING AREA AND HEIGHT:
- ALLOWABLE - 3 STORIES, 7,000 SF/ FLOOR
- ACTUAL - FIRST FLOOR - 7,912 SF
  SECOND FLOOR - 7,812 SF

FRONTAGE INCREASE FACTOR:
TABLE 506.3.3:
> OPEN SPACE:
20' TO < 25'
> % OF BUILDING PERIMETER:
25 TO < 50
> INCREASE: 0.17
0.17 X 7,000 = 1,190 SF
7,000 + 1,190 = 8,190 ALLOWABLE
7,812 SF < 8,190 SF ACTUAL

TRAVEL DISTANCE TO EXIT:
- 250' WITH SPRINKLER

NUMBER OF EXITS:
- MINIMUM 2 REQUIRED
- 2 EXITS PROVIDED

EXIT WIDTH:
- 0.2" PER OCCUPANT - 72" ACTUAL

FIRE-RESISTANCE RATINGS, TYPE VB:
- IBC TABLE 601 - BEARING WALLS:
  - EXTERIOR - 0-HR
  - INTERIOR - 0-HR

MAXIMUM AREA OF EXTERIOR WALL OPENINGS:
- IBC TABLE 705.8
  - ALLOWABLE - 30' OR GREATER - NO LIMIT

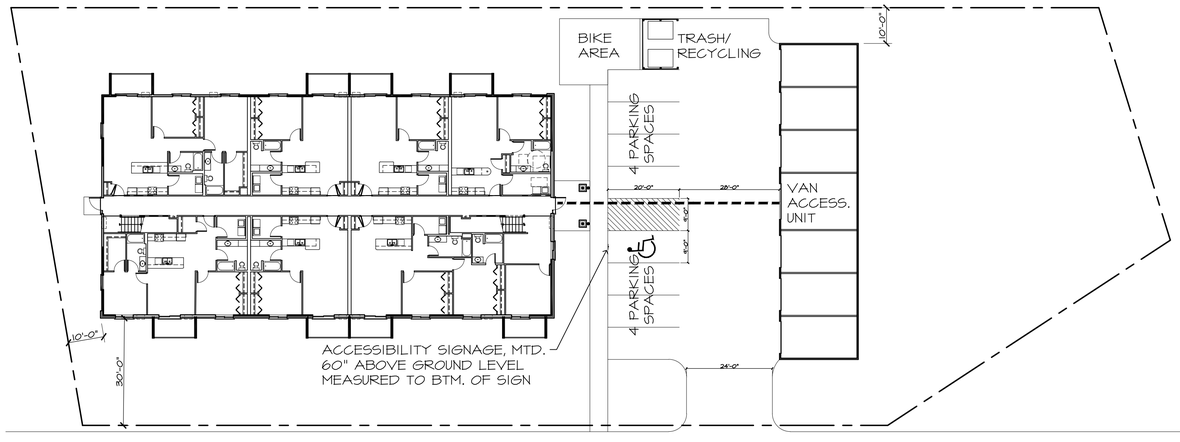
NICOLAI APARTMENTS

BUILDING & GARAGE REVIEW

15 UNIT APARTMENT COMPLEX
3629 Calvert Road
La Crosse, Wisconsin 54601

WISCONSIN
KEVIN TIMMERMAN
E-35037
LA CROSSE, WISCONSIN
ARCHITECT
03.10.26

WISCONSIN
ANDREW D. CLEMENTS
E-38649-6
LA CROSSE, WI
PROFESSIONAL ENGINEER
Andrew D. Clements
03.10.26



1 / T1 SITE PLAN
1" = 20'-0"

NORTH

GENERAL NOTES

* OCCUPANCY - R2 APARTMENT
* CONSTRUCTION - TYPE VB
* SOIL BEARING - 2000 PSF (ASSUMED)
* CONCRETE - 3000 PSI TO COMPLY W/ ASTM C94
* STEEL - TO COMPLY W/ ASTM A36
* LUMBER - 2 X 4 STANDARD & BETTER
  2 X 6 #2 SPF
  2 X 8 & LARGER - #2 D.F.
* STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH 2021 INTERNATIONAL BUILDING CODE, SECTION 2308 - CONVENTIONAL LIGHT-FRAME CONSTRUCTION.
* FIRST FLOOR CEILING TO HAVE 5/8" TYPE 'C' GWB ON CHANNELS, 16" O.C. SECOND FLOOR CEILING TO HAVE 5/8" GWB APPLIED DIRECT TO TRUSSES
* BATH EXHAUST - SYSTEM TO BE 50 CFM.
* ATTIC VENTILATION - NET FREE AREA NOT LESS THAN 1/300 OF VENTILATION AREA.
* ROOF TRUSSES - DESIGN FOR 40# L.L. BY REGISTERED WISCONSIN ENGINEER AND ANCHORED TO WALL ACCORDINGLY.
* EACH BEDROOM SHALL BE PROVIDED WITH AN EGRESS WINDOW COMPLYING W/ IBC SECT. 1029.2, STYLE TO BE SLIDE-BY, MIN. CLEAR OPENING WIDTH OF 20" AND HEIGHT OF 24".
* WALL AND FLOOR CONSTRUCTION TO MEET SOUND TRANSMISSION CLASS OR NOT LESS THAN 50 FOR AIR BORNE NOISE PER IBC 1207.2.
* INTERIOR WALL AND CEILING FINISHES TO MEET CLASSIFICATIONS AS SPECIFIED IN IBC TABLE 803.13, CLASS C RATING FOR SPRINKLERED STRUCTURE.
* FIRE EXTINGUISHERS SHALL BE PROVIDED PER IBC SECT. 906 AND MAINTAINED PER NFPA 13R. LOCATION PER LOCAL FIRE MARSHAL.
* MANUAL FIRE ALARM SYSTEM REQUIRED THROUGHOUT STRUCTURE.
* PROVIDE INTERCONNECTED SMOKE ALARMS IN EACH BEDROOM, OUTSIDE EACH SLEEPING AREA AND ON EACH STORY WITHIN THE DWELLING UNIT.
* RATED WALLS TO HAVE 1-HR RATED DOOR ASSEMBLIES (1-HR FRAMES AND 20 MINUTE DOORS) WITH AUTOMATIC CLOSERS. DOORS TO BE LABELED 'TYPE S'.
* INTERIOR DOORS TO BE PRE-HUNG 3-PANEL DOORS.
* ALL DOOR HARDWARE TO MEET ICC/ANSI A117.1 Sec. 404.2.6 FOR OPERABILITY.
* WINDOW OPENINGS:
  - LARGEST LIVING ROOM - UNIT #102
    450 SF X 4% = 17.2 SF REQ'D, 20.0 SF PROVIDED
  - LARGEST BEDROOM - UNIT #102
    183 SF X 4% = 7.32 SF REQ'D, 10.0 SF PROVIDED
* CONTRACTOR TO PROVIDE ADEQUATE BLOCKING FOR ALL WALL HUNG VANITIES, REQUIRED GRAB BARS AND TOWEL BARS PER OWNER'S REQUIREMENTS.
* FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF EACH RUN.

CONSTRUCTION NOTES

ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND THE ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH ANY WORK.

THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND SHALL CONFIRM THAT WORK IS BUILDABLE AS SHOWN. ANY CONFLICTS OR OMISSIONS, ETC., SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PERFORMANCE OF ANY WORK IN QUESTION.

THE CONTRACTOR SHALL MAINTAIN FOR ENTIRE DURATION OF THE WORK ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS IN CONFORMANCE WITH ALL AP-PLICABLE CODES AND ORDINANCES.

'TYP.' SHOULD MEAN THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT UNLESS OTHERWISE NOTED, DETAILS ARE USUALLY KEYED AND NOTED 'TYP.' ONLY ONCE WHEN THEY FIRST OCCUR.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION UPON THE COMPLETION OF HIS WORK ON A DAILY BASIS. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL TRASH FOR THE DURATION OF THE PROJECT.

CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A/10BC WITHIN 75' TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING DURING CONSTRUCTION.

DRAWING INDEX

T1 TITLE SHEET, GENERAL NOTES, SYMBOLS, ABBREVIATIONS, SITE PLAN, DRAWING INDEX

A1 FIRST FLOOR PLAN
SECOND FLOOR PLAN

A1.1 ENLARGED FIRST FLOOR PLAN - LEFT HALF
WALL TYPES

A1.2 ENLARGED FIRST FLOOR PLAN - RIGHT HALF
WALL TYPES

A2 SECOND FLOOR PLAN
WALL TYPES

A3 EXTERIOR ELEVATIONS
ENLARGED KITCHEN & BATH PLAN
CASEWORK ELEVATIONS
STANDARD MOUNTING HEIGHTS

A4 BUILDING SECTIONS

A4.1 BUILDING SECTION
WALL SECTIONS
CONSTRUCTION DETAILS

A5 GARAGES:
- FOOTING & FOUNDATION PLANS
- FLOOR PLANS
- EXTERIOR ELEVATIONS
- BUILDING SECTION

S1 FOOTING AND FOUNDATION PLAN
CONSTRUCTION DETAILS

S2 FLOOR FRAMING PLAN
ROOF FRAMING PLAN
SNOW & DRIFT LOAD INFORMATION

MECHANICAL/ELECTRICAL/PLUMBING - DESIGN BUILD SUBMITTED/PERMITTED UNDER SEPARATE COVER

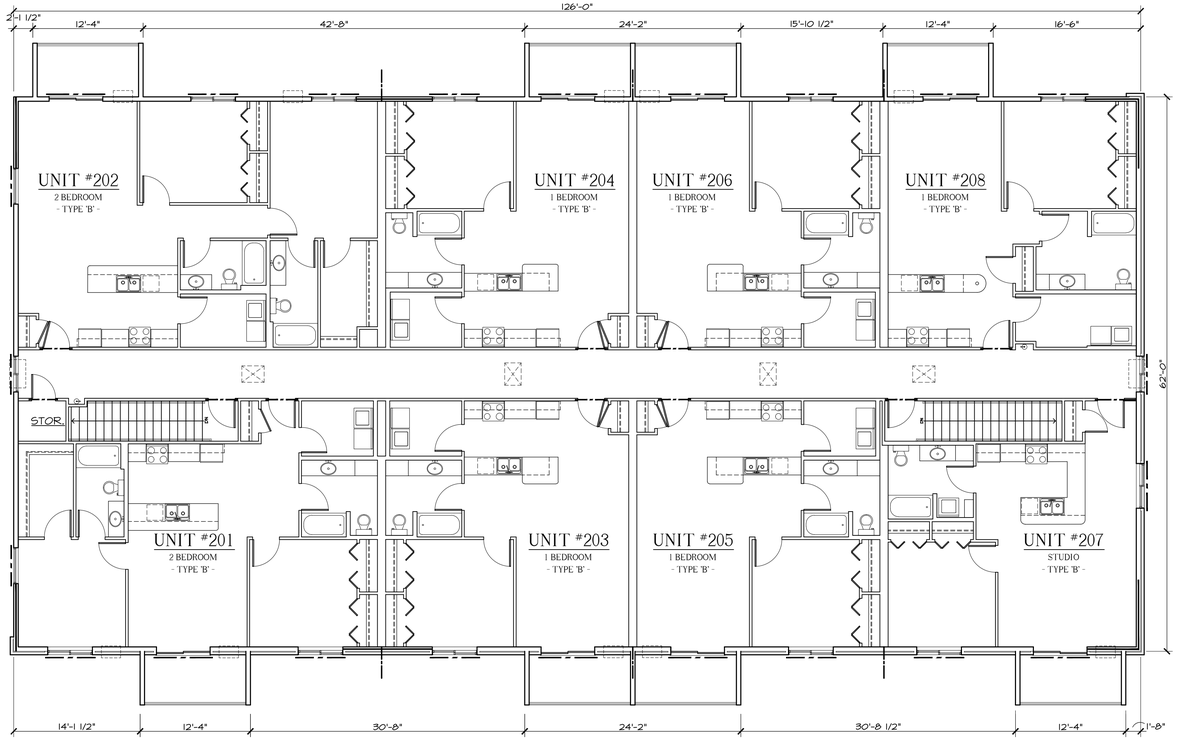
5th Avenue Design
504 5TH AVENUE S.
LA CROSSE, WI 54601
TEL 608-780-5075

SITE PLAN
GENERAL NOTES
CONSTRUCTION NOTES
CODE INFORMATION
DRAWING INDEX

DATE : 03.10.26
DRAWN BY : KKT
CHECKED BY : AN/SN
REVISIONS :

Nicolai Apartments
3629 Calvert Road
La Crosse, WI 54601

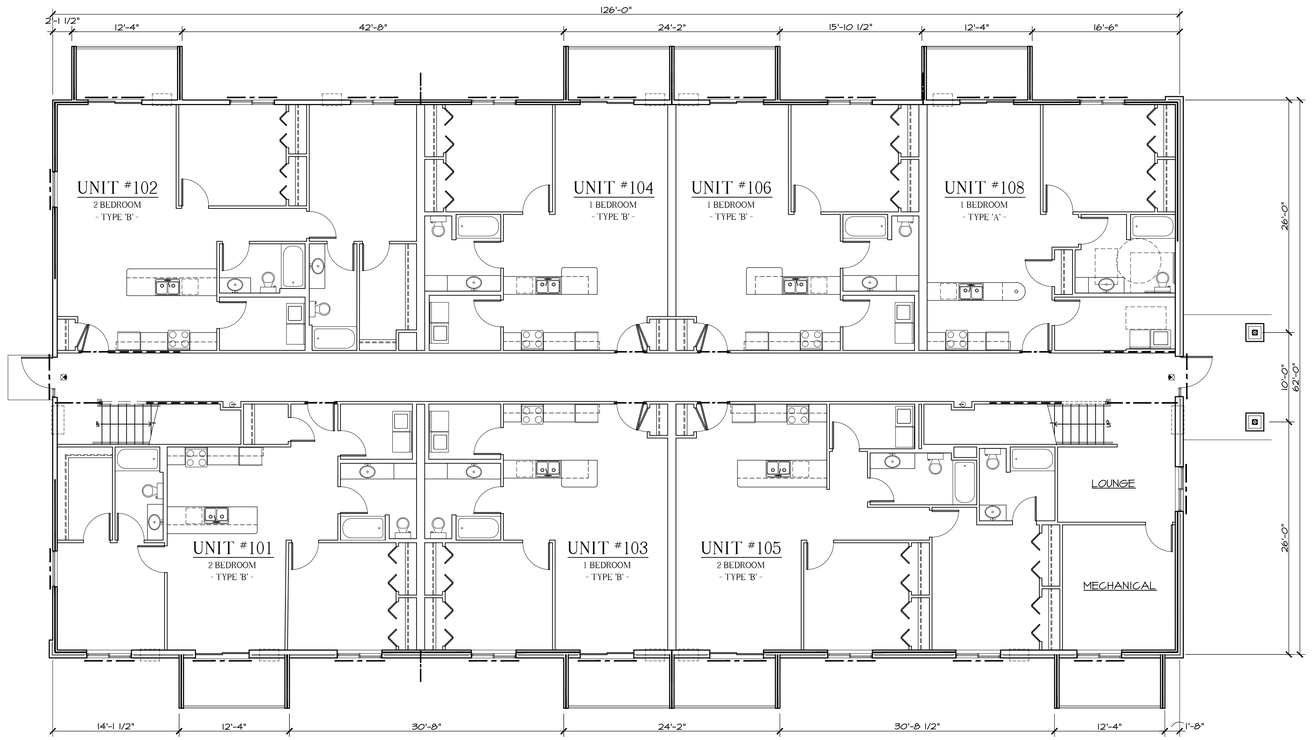
T1



2 / A1 SECOND FLOOR PLAN

1/8" = 1'-0"

NORTH



1 / A1 FIRST FLOOR PLAN

1/8" = 1'-0"

NORTH

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608·780·5075

FIRST FLOOR PLAN
SECOND FLOOR PLAN

DATE : 03.10.26

DRAWN BY : KKT

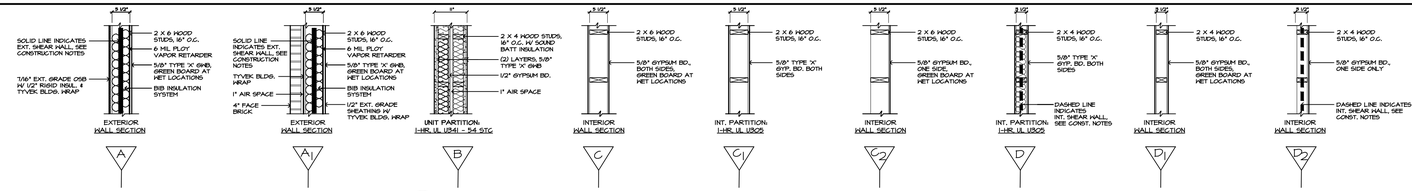
CHECKED BY : NA/SN

REVISIONS :

Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

A1



HEADER SCHEDULE:

H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1 OR 2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS (2) JACK STUDS	(2) KING STUDS (2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS

LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE

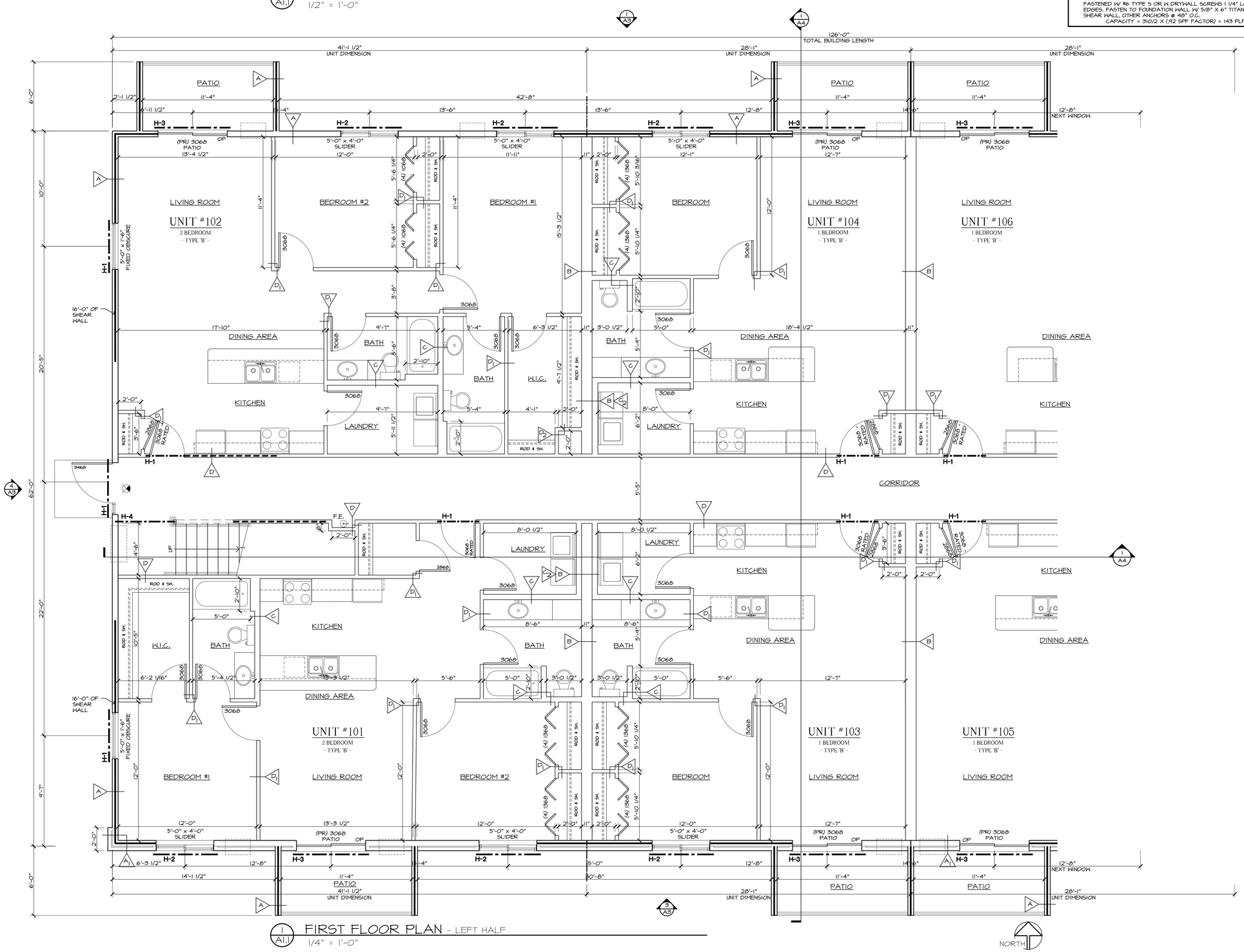
EXTERIOR SHEAR WALLS:

- EXTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3A. 15/32" OSB SHEATHING NAILED W/ 10d NAILS W/ 1 1/2" PENETRATION, BLOCKED. NAILS @ 6" O.C. PERIMETER & INTERMEDIATE. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 32" O.C.
  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:

- INTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C. 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF

2 A1.1 WALL TYPES
1/2" = 1'-0"



1 A1.1 FIRST FLOOR PLAN - LEFT HALF
1/4" = 1'-0"

NORTH

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LA CROSSE, WI 54601

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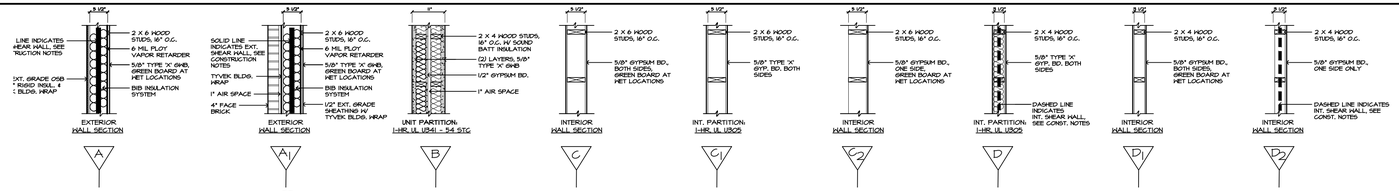
FIRST FLOOR PLAN - LEFT HALF
WALL TYPES

DATE : 03.10.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

A1.1



HEADER SCHEDULE:

H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
	OR,		
	2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS

LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE

EXTERIOR SHEAR WALLS:

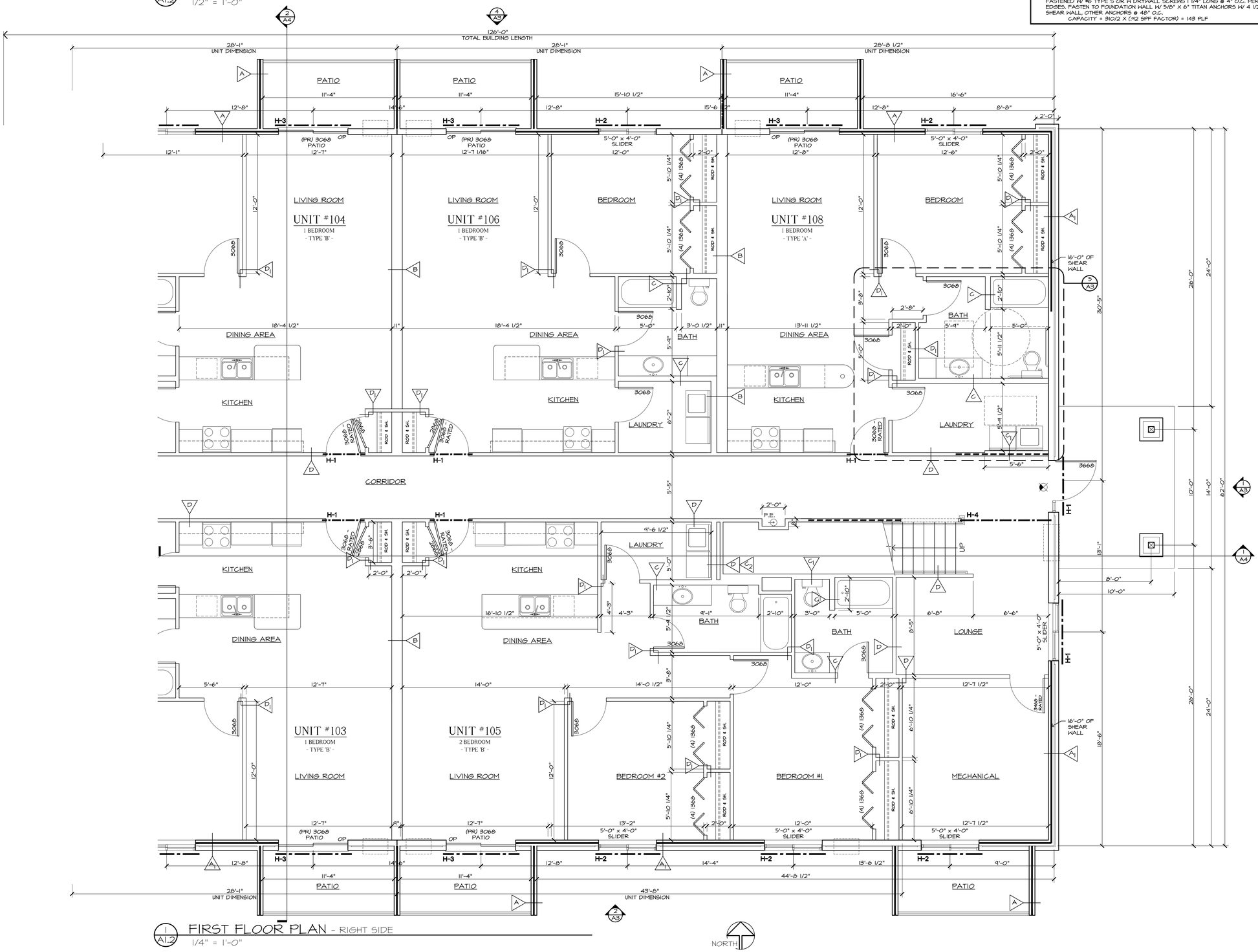
- EXTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3A: 15/32" OSB SHEATHING NAILED W/ 10d NAILS W/ 1 1/2" PENETRATION, BLOCKED. NAILS @ 6" O.C. PERIMETER & INTERMEDIATE. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT, FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 32" O.C.
  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:

- INTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C, 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT, FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF

2 / A1.2 WALL TYPES

1/2" = 1'-0"



1 / A1.2 FIRST FLOOR PLAN - RIGHT SIDE

1/4" = 1'-0"

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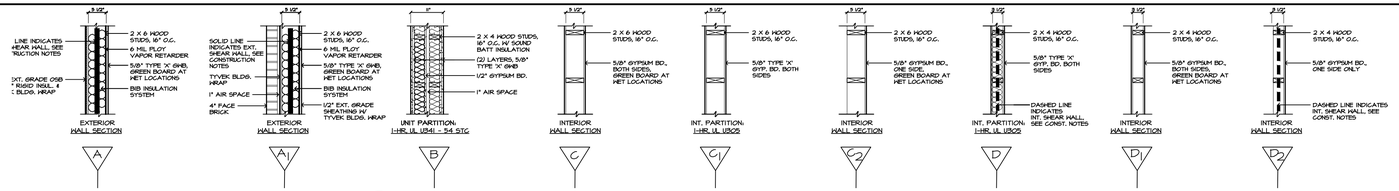
FIRST FLOOR PLAN - RIGHT HALF
WALL TYPES

DATE : 03.10.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

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La Crosse, WI 54601

A1.2



HEADER SCHEDULE:

H-1	2-PLY - 2 X 10 DFL #1	(1) JACK STUDS	(1) KING STUDS
H-2	2-PLY - 2 X 12 DFL #1	(2) JACK STUDS	(2) KING STUDS
H-3	3-PLY - 2 X 12 DFL #1 OR 2-PLY - 1 3/4" X 9 1/4" LVL 2.0E	(2) JACK STUDS (2) JACK STUDS	(2) KING STUDS (2) KING STUDS
H-4	2-PLY - 1 3/4" X 11 1/4" LVL 2.0E	(2) JACK STUDS	(2) KING STUDS

LINTELS AT WINDOWS WITH BRICK: 3 1/2" X 3 1/2" X 1/4" GALVANIZED ANGLE

EXTERIOR SHEAR WALLS:

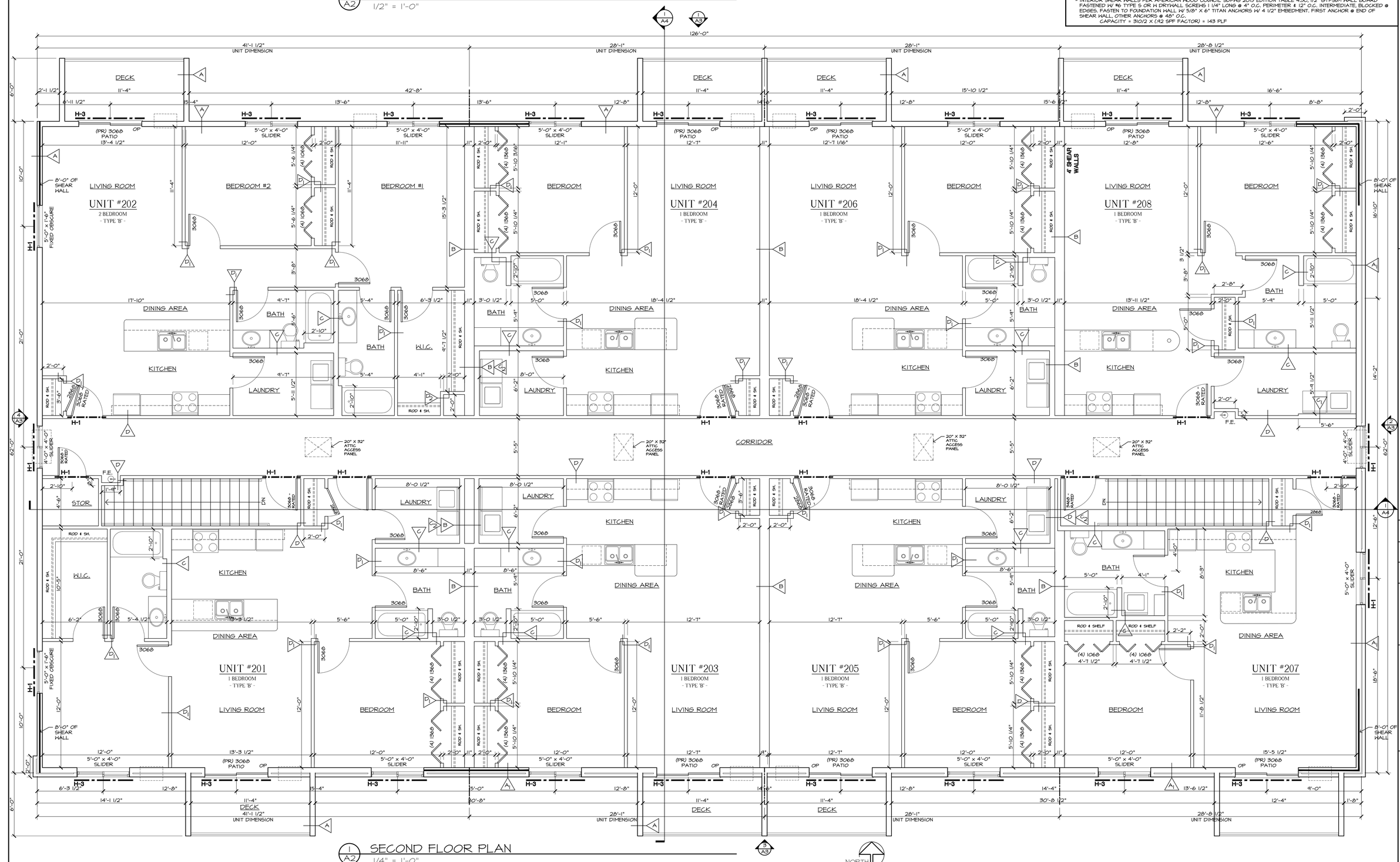
- EXTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3A. 15/32" OSB SHEATHING NAILED W/ 10d NAILS W/ 1 1/2" PENETRATION, BLOCKED. NAILS @ 6" O.C. PERIMETER & INTERMEDIATE. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 32" O.C.
  CAPACITY = 870/2 X (.92 SPF FACTOR) = 400 PLF

INTERIOR SHEAR WALLS:

- INTERIOR SHEAR WALLS PER AMERICAN WOOD COUNCIL SDPWS 2015 EDITION TABLE 4.3C, 1/2" GYPSUM WALL BOARD FASTENED W/ #6 TYPE S OR W DRYWALL SCREWS 1 1/4" LONG @ 4" O.C. PERIMETER & 12" O.C. INTERMEDIATE, BLOCKED @ EDGES. FASTEN TO FOUNDATION WALL W/ 5/8" X 6" TITAN ANCHORS W/ 4 1/2" EMBEDMENT. FIRST ANCHOR @ END OF SHEAR WALL, OTHER ANCHORS @ 48" O.C.
  CAPACITY = 310/2 X (.92 SPF FACTOR) = 143 PLF

2 / A2 WALL TYPES

1/2" = 1'-0"



1 / A2 SECOND FLOOR PLAN

1/4" = 1'-0"

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SECOND FLOOR PLAN
WALL TYPES

DATE : 03.10.26

DRAWN BY : KKT

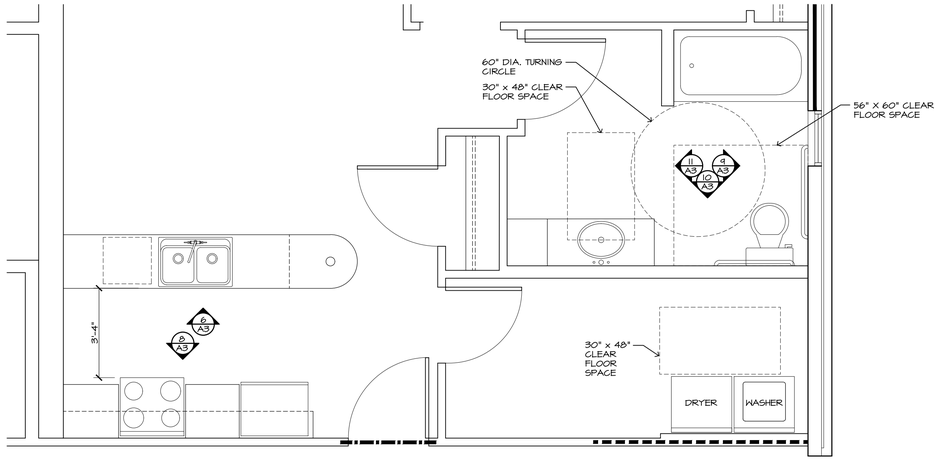
CHECKED BY : NA/SN

REVISIONS :

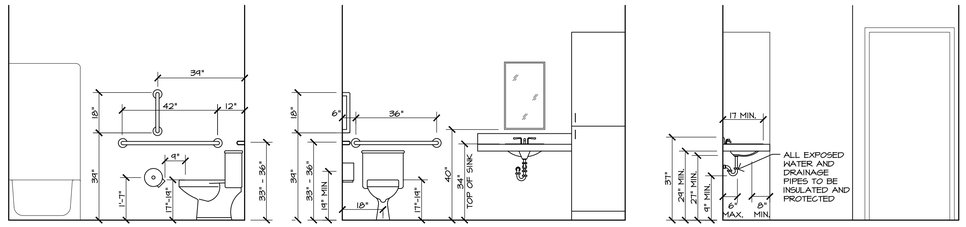
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A2



5 A3 ENLARGED KITCHEN & BATH PLAN
1-BEDROOM TYPE 'A' UNIT



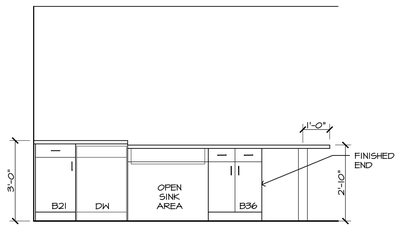
9 A3 ELEVATION
3/8" = 1'-0"

10 A3 ELEVATION
3/8" = 1'-0"

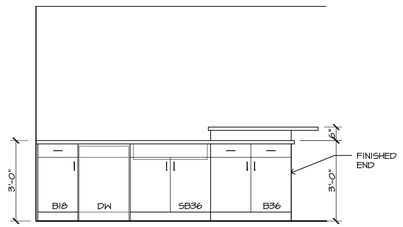
11 A3 ELEVATION
3/8" = 1'-0"

NOTE:
GENERAL CONTRACTOR TO PROVIDE ADEQUATE BLOCKING FOR ALL GRAB BARS IN BOTH TYPE 'A' & 'B' UNITS

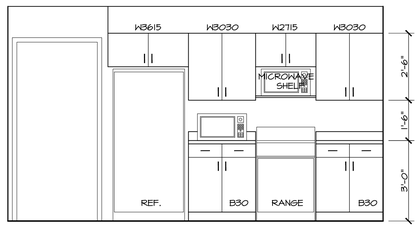
STANDARD MOUNTING HEIGHTS



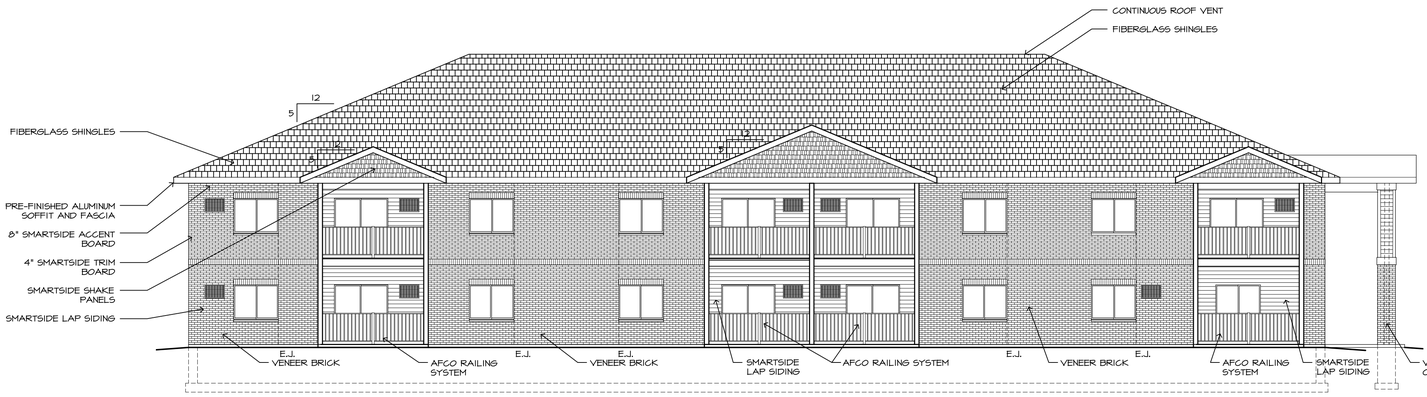
6 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'A' UNIT



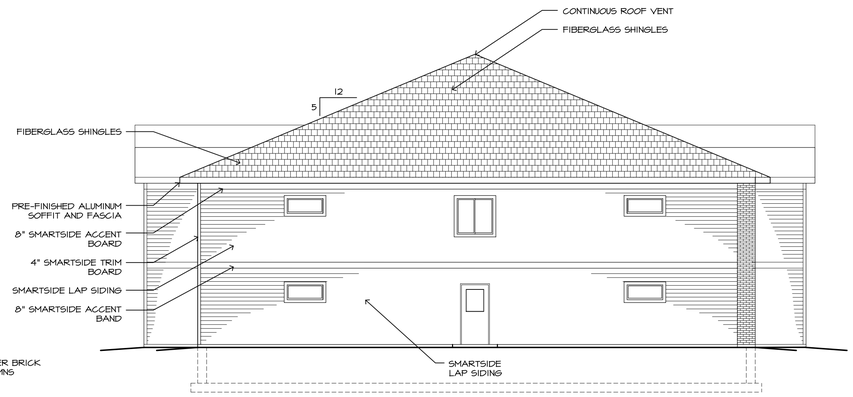
7 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'B' UNIT



8 A3 KITCHEN ELEVATION
1-BEDROOM TYPE 'B' UNIT
NOTE: MICROWAVE TO BE LOCATED ON TOP OF COUNTER IN 'A' UNIT

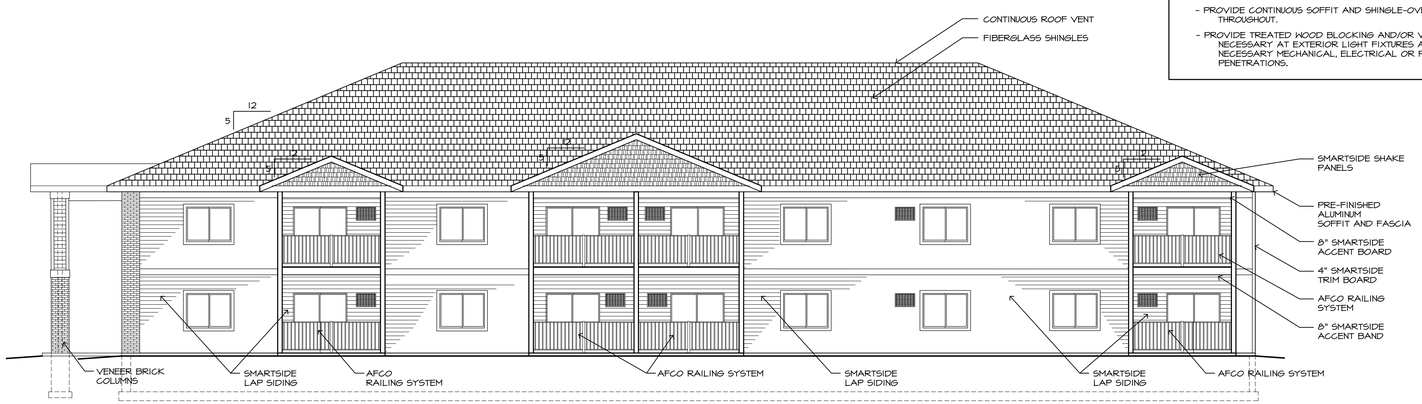


3 A3 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

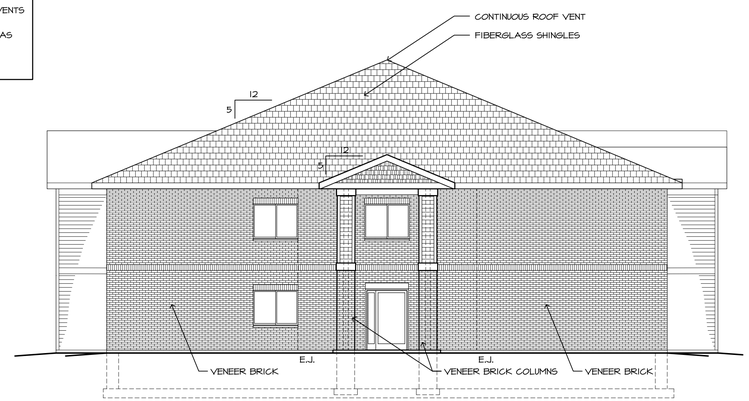


4 A3 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

GENERAL ELEVATION NOTES:
- ALL ROOF PITCHES TO BE 5:12 UNLESS NOTED OTHERWISE.
- ALL FASCIAS AND SOFFITS TO BE PREFINISHED ALUMINUM.
- ALL ROOF SHINGLES TO BE 30 YEAR TEXTURED FIBERGLASS.
- PROVIDE CONTINUOUS SOFFIT AND SHINGLE-OVER RIDGE VENTS THROUGHOUT.
- PROVIDE TREATED WOOD BLOCKING AND/OR VINYL TRIM AS NECESSARY AT EXTERIOR LIGHT FIXTURES AND OTHER NECESSARY MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.



1 A3 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



2 A3 EAST EXTERIOR ELEVATION
1/8" = 1'-0"

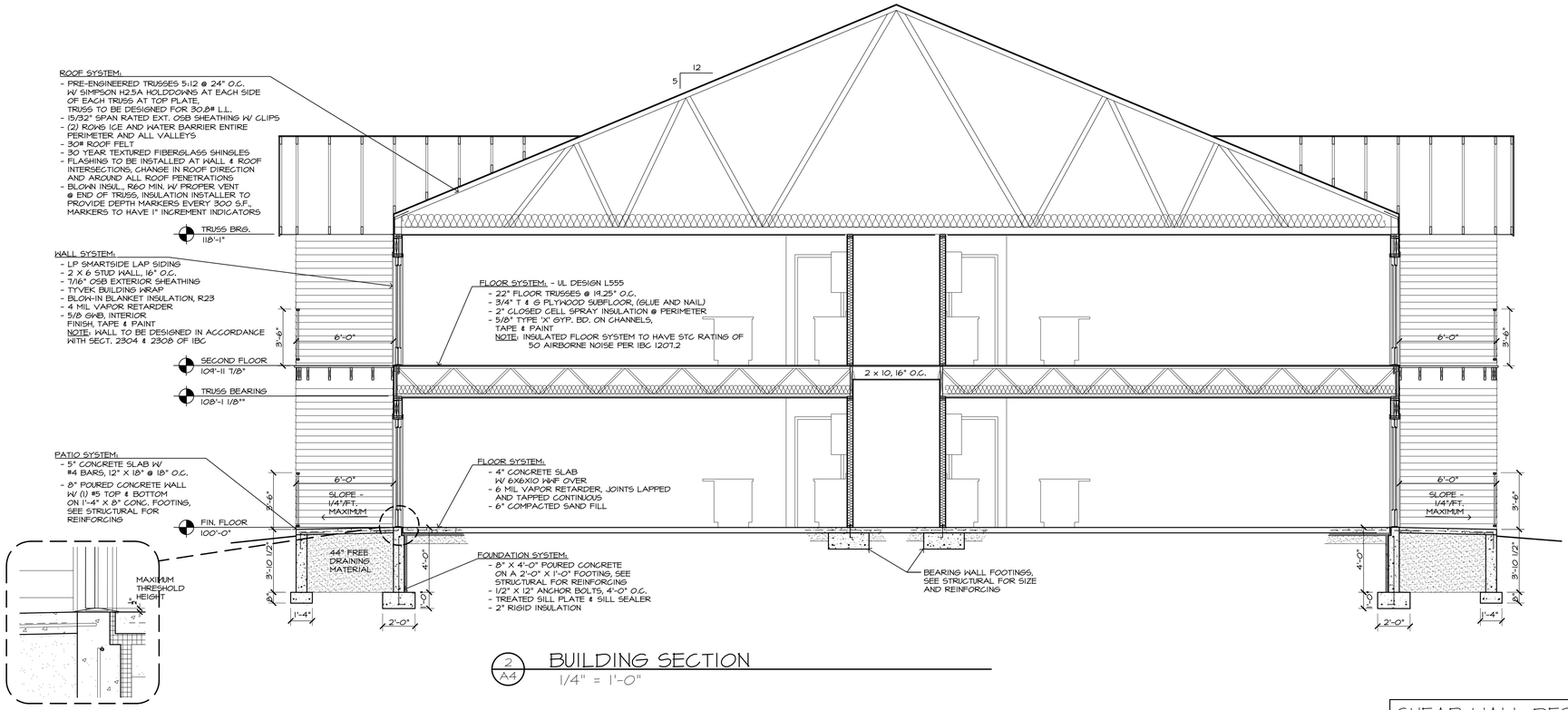
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LA CROSSE, WI 54601
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EXTERIOR ELEVATIONS
ENLARGED KITCHEN & BATH PLAN
CASEWORK ELEVATIONS
STANDARD MOUNTING HEIGHTS

DATE : 03.10.26
DRAWN BY : KKT
CHECKED BY : NA/SN
REVISIONS :

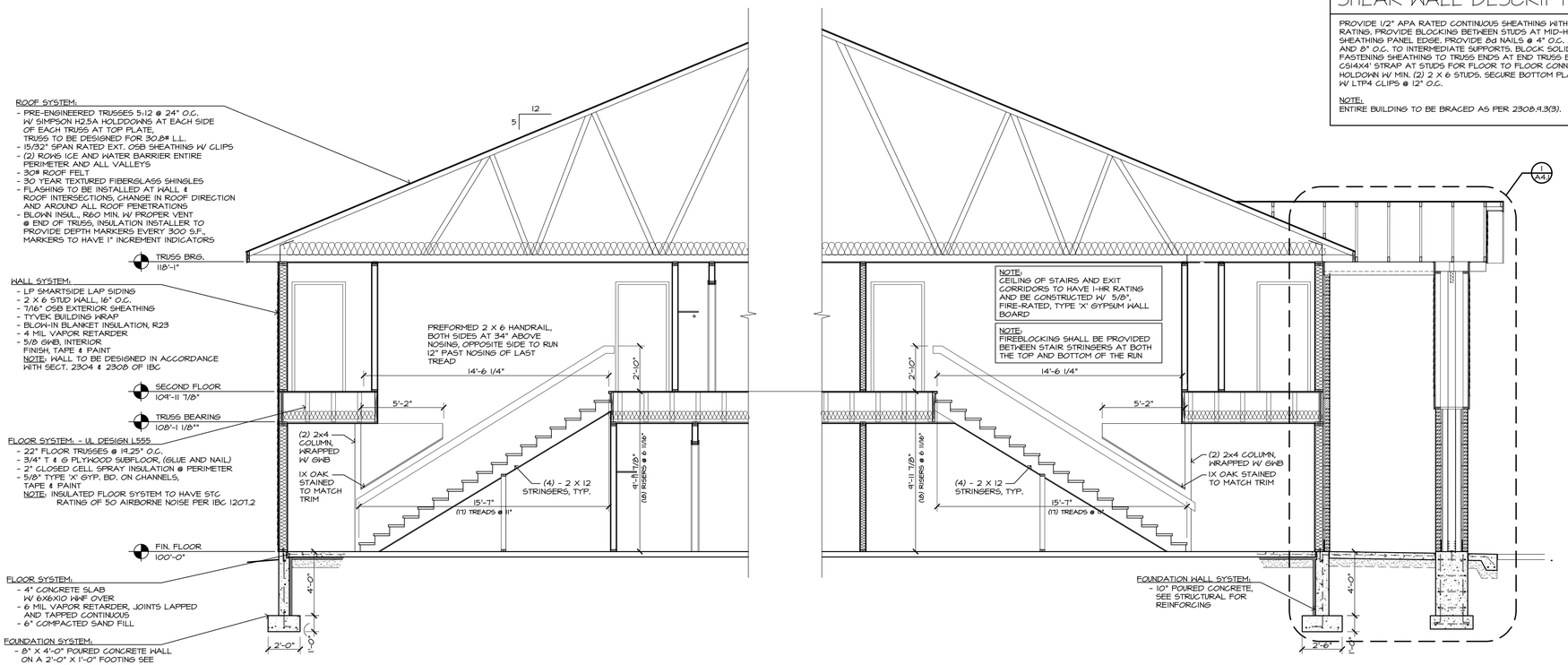
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A3



2 A4 BUILDING SECTION

1/4" = 1'-0"



1 A4 BUILDING SECTION

1/4" = 1'-0"

SHEAR WALL DESCRIPTION

PROVIDE 1/2" APA RATED CONTINUOUS SHEATHING WITH A 24/0 SPAN RATING. PROVIDE BLOCKING BETWEEN STUDS AT MID-HEIGHT PLUS AT SHEATHING PANEL EDGE. PROVIDE 8d NAILS @ 4" O.C. AT PANEL EDGES AND 8" O.C. TO INTERMEDIATE SUPPORTS. BLOCK SOLID BETWEEN FASTENING SHEATHING TO TRUSS ENDS AT END TRUSS BLOCKING. USE CS14X4' STRAP AT STUDS FOR FLOOR TO FLOOR CONNECTION. USE HDU-2 HOLDOWN W/ MIN. (2) 2 X 6 STUDS. SECURE BOTTOM PLATE TO RIM JOIST W/ LTP4 CLIPS @ 12" O.C.

NOTE:
ENTIRE BUILDING TO BE BRACED AS PER 2308.9.3(3).

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BUILDING SECTIONS

DATE : 03.10.26

DRAWN BY : KKT

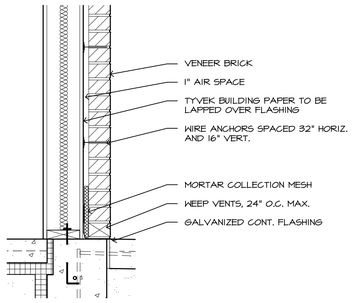
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REVISIONS :

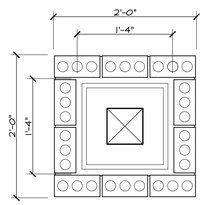
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La Crosse, WI 54601

A4

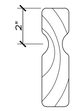


3 / A4.1 DETAIL
1" = 1'-0"

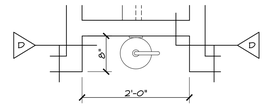


PIER SYSTEM:
- 6 X 6 TREATED WOOD POSTS, WRAPPED LP SMARTSIDE BOARDS
- SIMPSON CCQ3-6SDS2.5 COLUMN CAPS
- SIMPSON ABU66Z COLUMN BASE
- 2 X 4 WOOD STUDS, 16" O.C.
- 7/16" OSB EXTERIOR SHEATHING
- TYVEK BUILDING WRAP TO EXTEND OVER FLASHING AT BASE
- 1" AIR SPACE
- MORTAR COLLECTION MESH @ BASE OF COLUMN
- 4" VENEER BRICK W/ BRICK TIES 16" O.C. EACH WAY, FLASH ACCORDINGLY W/ WEEP VENTS EACH SIDE AT BASE

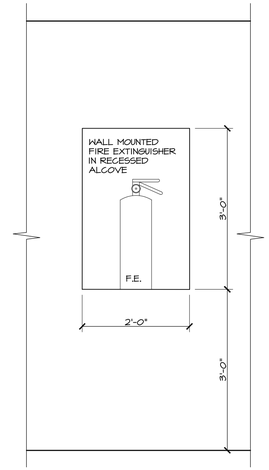
4 / A4.1 DETAIL
1" = 1'-0"



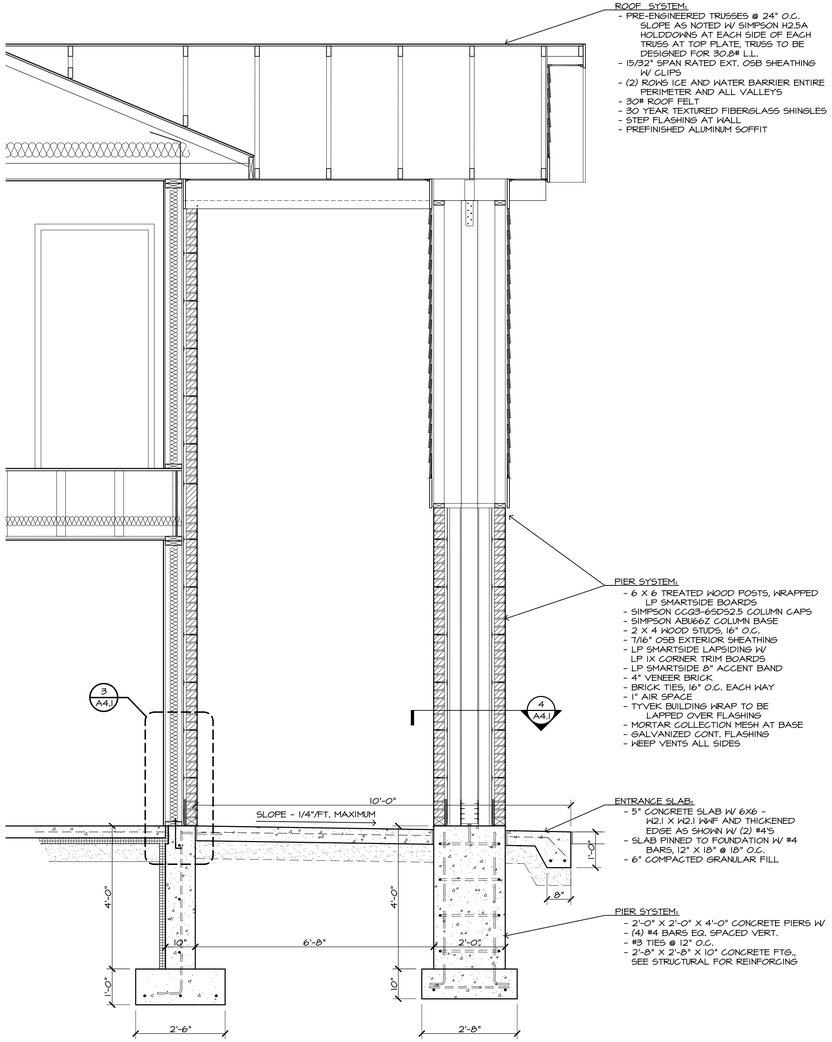
5 / A4.1 HANDRAIL SECTION
3" = 1'-0"



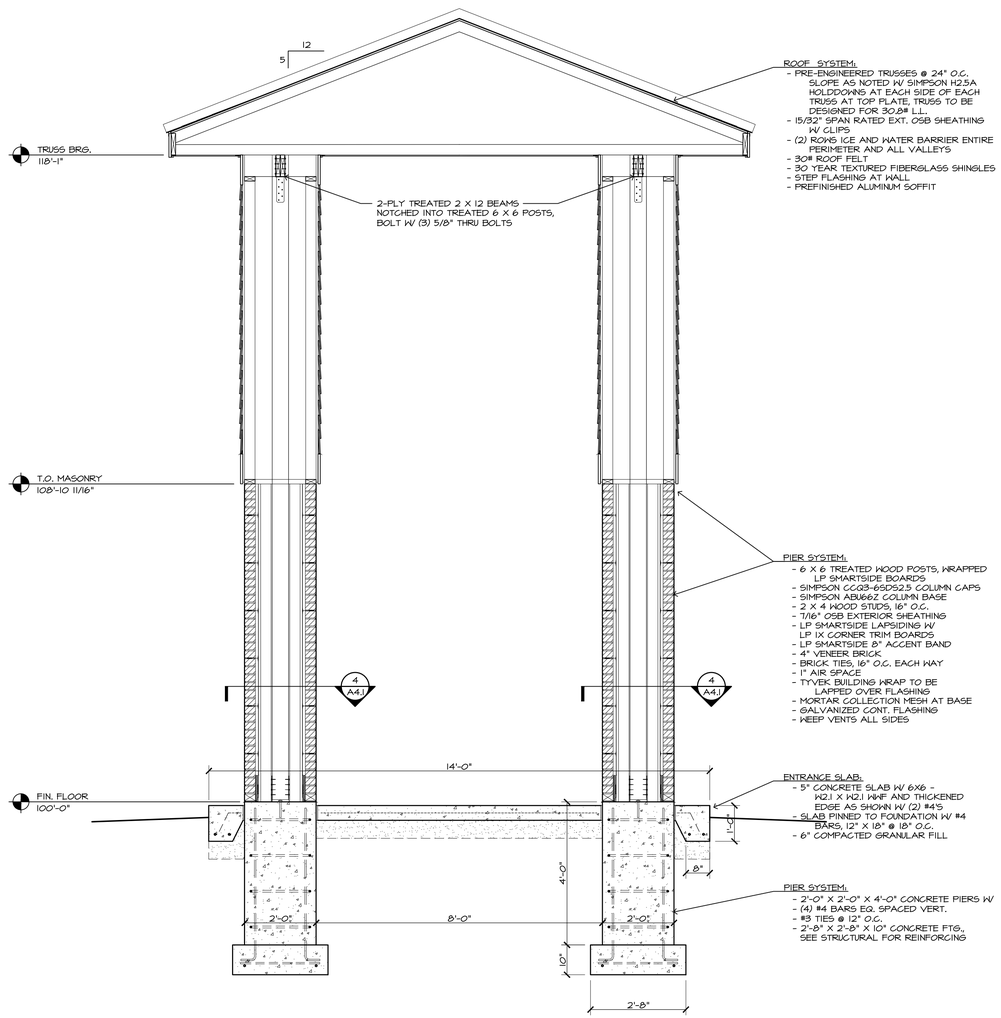
6 / A4.1 FIRE EXTINGUISHER PLAN
3/4" = 1'-0"



7 / A4.1 FIRE EXTINGUISHER ALCOVE ELEVATION
3/4" = 1'-0"



1 / A4.1 ENTRANCE CANOPY SECTION
1/4" = 1'-0"



2 / A4.1 ENTRANCE CANOPY SECTION
1/4" = 1'-0"

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LA CROSSE, WI 54601

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CANOPY SECTIONS
CONSTRUCTION DETAILS

DATE : 03.10.26

DRAWN BY : KKT

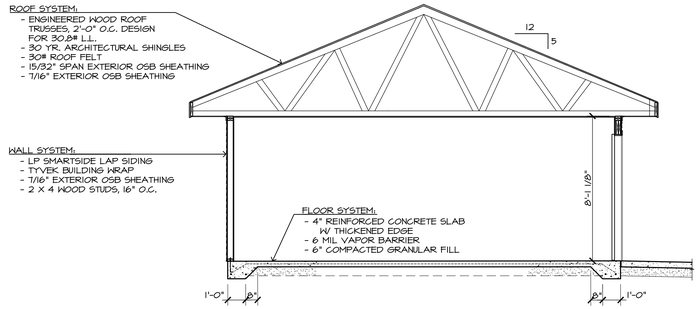
CHECKED BY : NA/SN

REVISIONS :

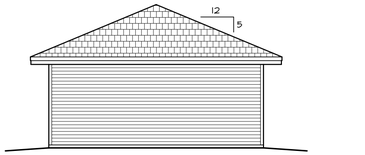
Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

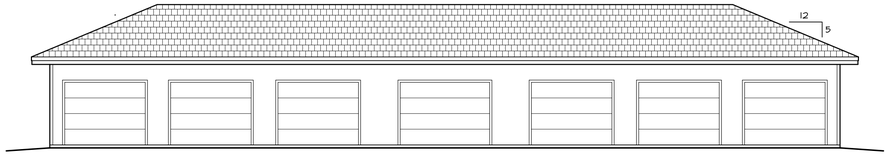
A4.1



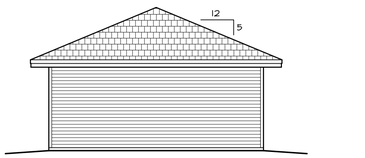
7 A5 BUILDING SECTION
1/4" = 1'-0"



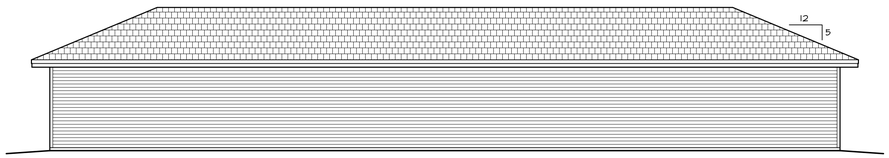
5 A5 SOUTH ELEVATION
1/8" = 1'-0"



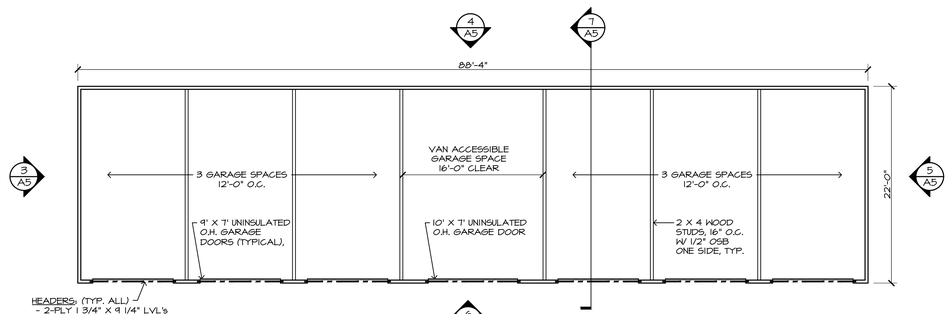
6 A5 WEST ELEVATION
1/8" = 1'-0"



3 A5 NORTH ELEVATION
1/8" = 1'-0"

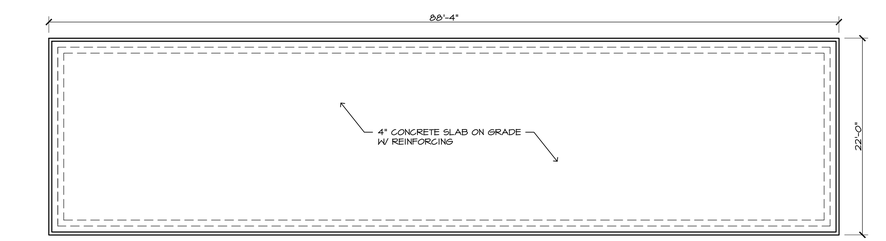


4 A5 EAST ELEVATION
1/8" = 1'-0"



2 A5 FLOOR PLAN
1/8" = 1'-0"

NORTH



1 A5 FOUNDATION PLAN
1/8" = 1'-0"

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GARAGES:
- FOOTING & FOUNDATION PLANS
- FLOOR PLANS
- EXTERIOR ELEVATIONS
- BUILDING SECTION

DATE : 03.10.26

DRAWN BY : KKT

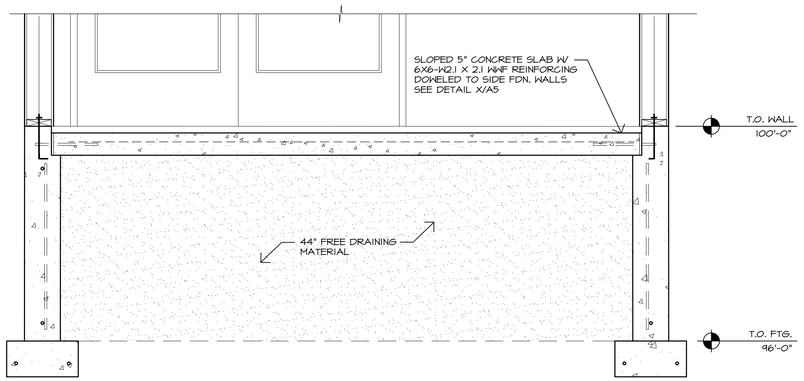
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REVISIONS :

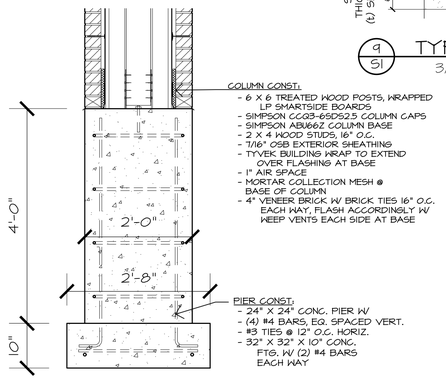
Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

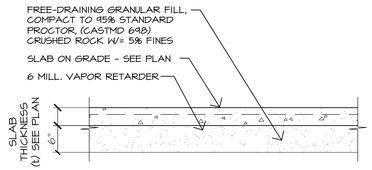
A5



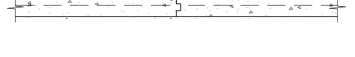
6/S1 STOOP SECTION
3/4" = 1'-0"



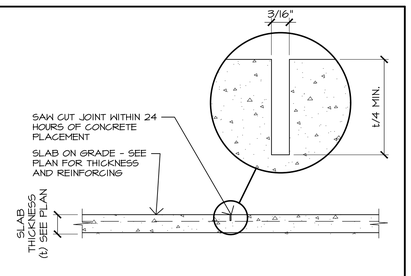
7/S1 PIER CONSTRUCTION
3/4" = 1'-0"



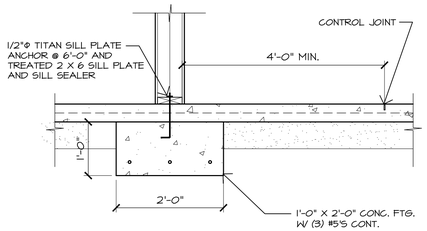
9/S1 TYP. SLAB ON GRADE
3/4" = 1'-0"



10/S1 TYP. CONST. JOINT DTL.
3/4" = 1'-0"



11/S1 TYP. SLAB CONTROL JT.
3/4" = 1'-0"



8/S1 BEARING WALL DETAIL
3/4" = 1'-0"

FOUNDATION KEYED NOTES:

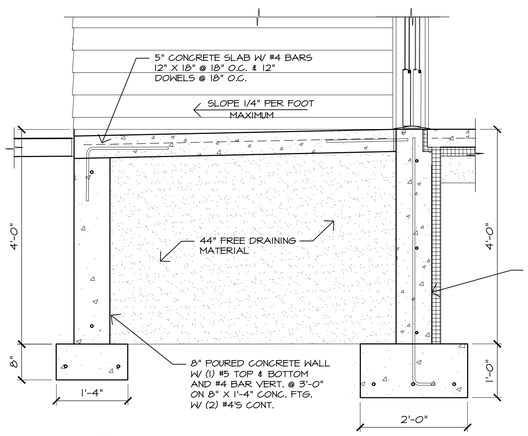
(S1) 4" THICK CONC SLAB ON GRADE WITH 6X6-W2.1 X W2.1 WWF, 10 MIL POLY VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE.

(S2) TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0", REFER TO 11/S1.

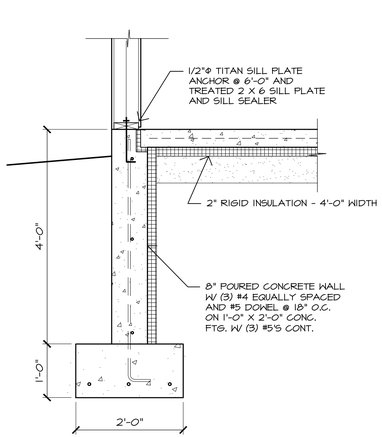
(S3) TYPICAL SLAB CONSTRUCTION JOINT (WHERE APPLICABLE) REFER TO 10/S1.

CONSTRUCTION GENERAL NOTES

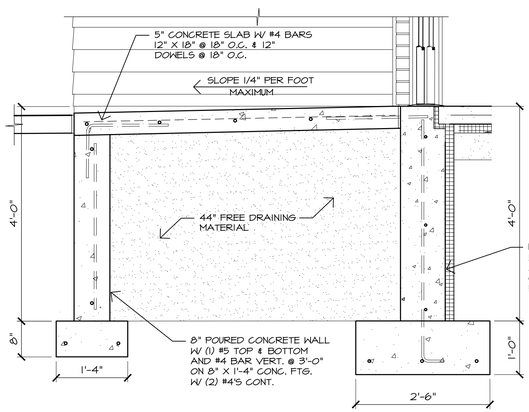
1. FIELD VERIFY ALL EXISTING CONDITIONS. ANY EXISTING CONDITION THAT DOES NOT AGREE WITH THESE PLANS MUST BE BROUGHT TO THE ARCHITECTS ATTENTION FOR REVIEW. GENERAL CONTRACTOR SHALL
2. OBSERVE ALL STATE AND LOCAL CODES
3. ALL REBAR USED SHALL BE CLEAN AND FREE OF OIL, DIRT OR OTHER CONTAMINANTS THAT WILL PREVENT COMPLETE BONDING TO THE CONCRETE.



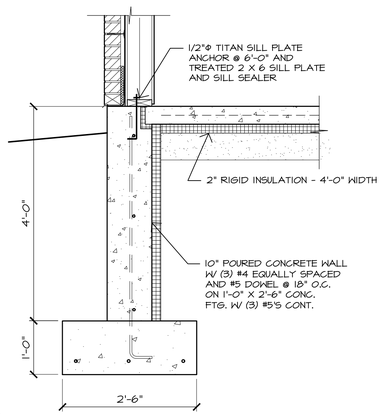
4/S1 FOUNDATION DETAIL
3/4" = 1'-0"



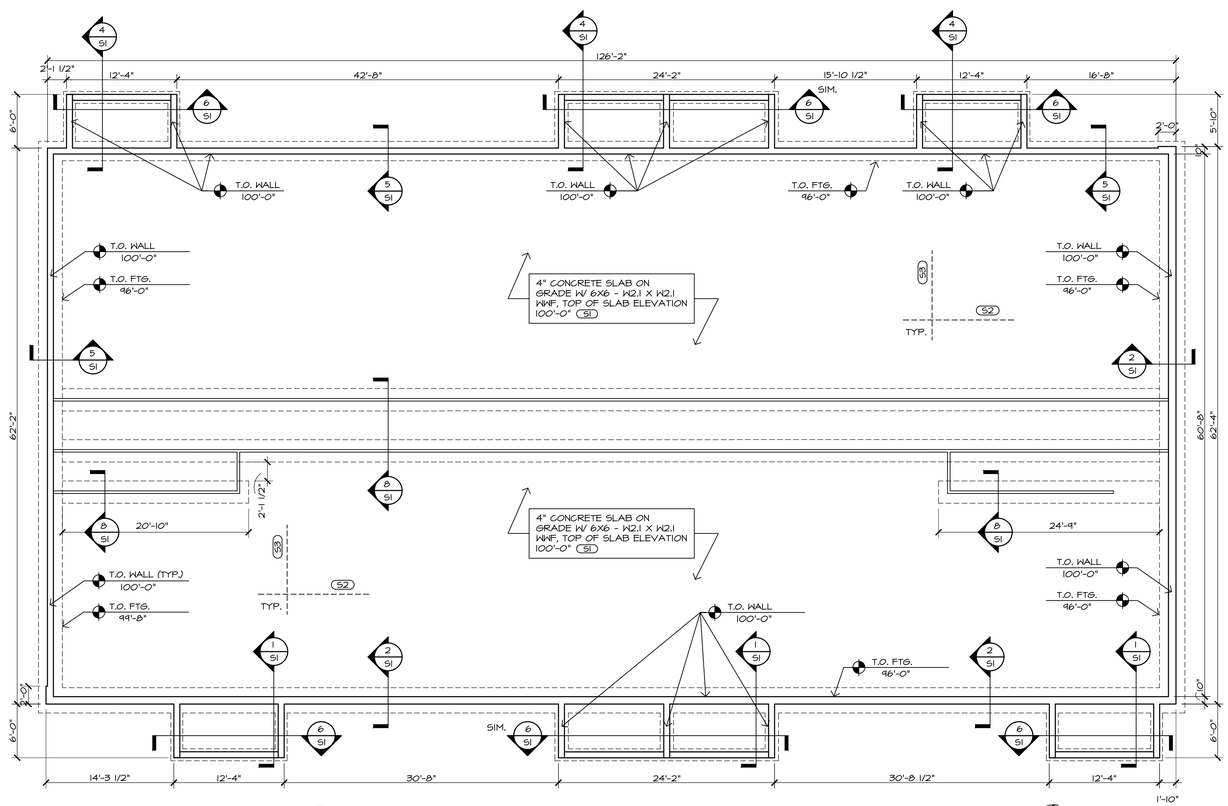
5/S1 FOUNDATION DETAIL
3/4" = 1'-0"



1/S1 FOUNDATION DETAIL
3/4" = 1'-0"



2/S1 FOUNDATION DETAIL
3/4" = 1'-0"



3/S1 FOUNDATION PLAN
1/8" = 1'-0"

5th Avenue Design
504 5TH AVENUE S.
LA CROSSE, WI 54601
TEL 608·780·5075

FOOTING & FOUNDATION CONSTRUCTION DETAILS

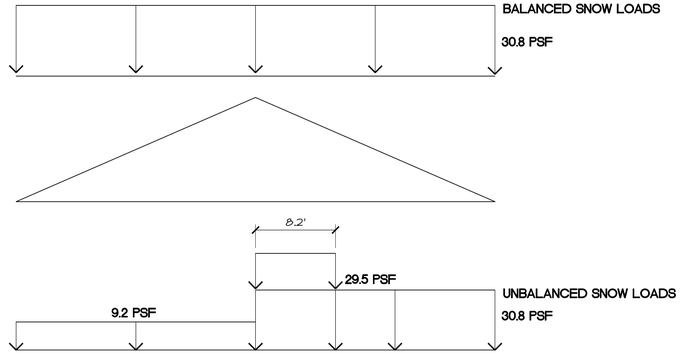
DATE : 03.10.26
DRAWN BY : KKT
CHECKED BY : AC
REVISIONS :

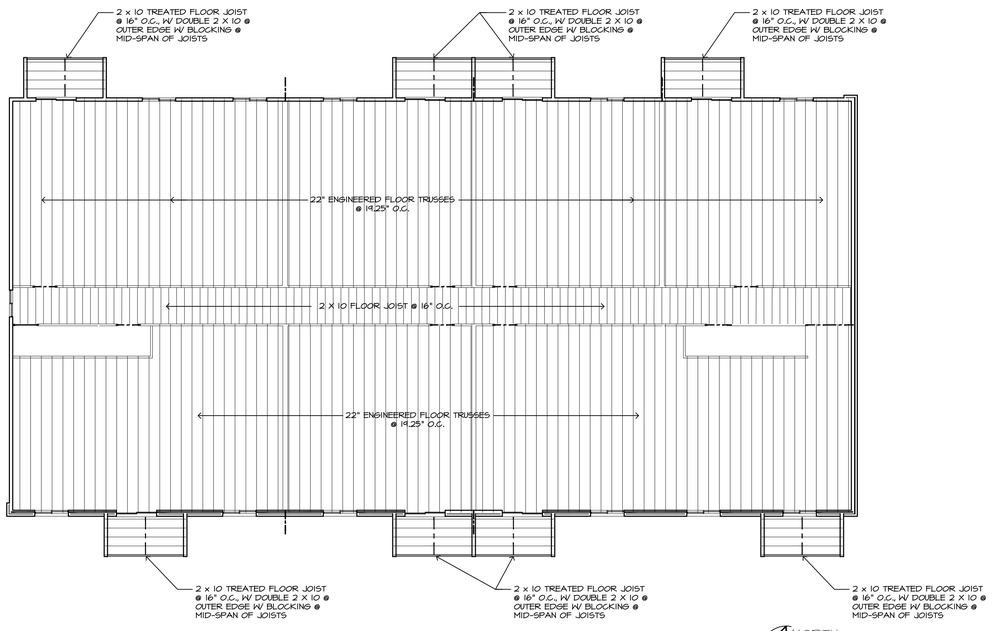
Nicolai Apartments
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La Crosse, WI 54601

S1

PER IBC 2015 ASCE 7-10 LOADS:

- > Pg = 40 PSF
- > MAX. WIND V = 115 MPH
- > FLOOR LIVE LOAD = 40 PSF
- > FLOOR DEAD LOAD = 20 PSF
- > RESIDENTIAL CORRIDOR/STAIRS = 100 PSF
- > ROOF TRUSS TOP CHORD DEAD LOAD = 10 PSF
- > ROOF TRUSS BOTTOM CHORD DEAD LOAD = 10 PSF
- > ASSUMED SOIL BEARING PRESSURE = 2000 PSF
- > PARTITION LIVE LOAD = 15 PSF

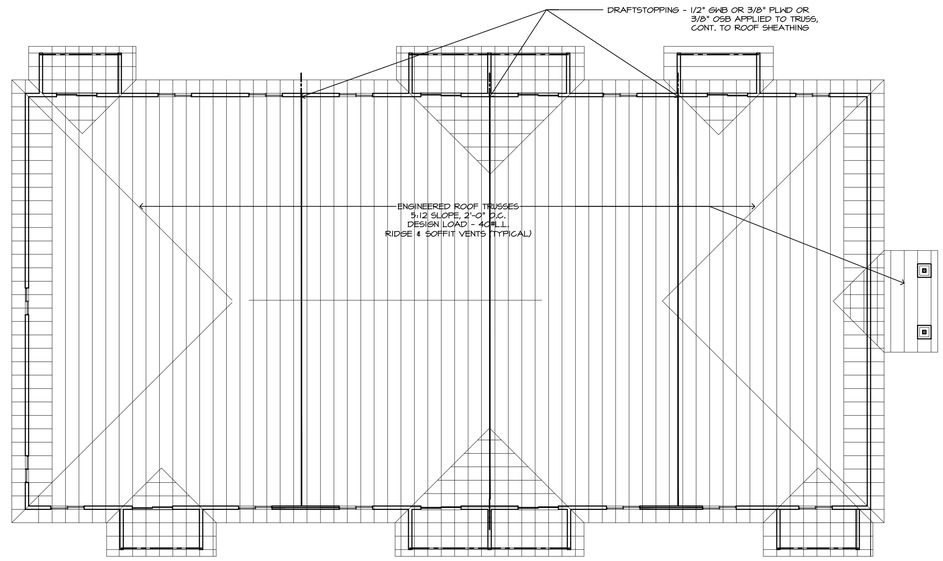




1 / S2 FIRST FLOOR FRAMING PLAN

3/32" = 1'-0"

NORTH



2 / S2 ROOF FRAMING PLAN

3/32" = 1'-0"

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

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FLOOR FRAMING PLAN
ROOF FRAMING PLAN
SNOW LOADS

DATE : 03.10.26

DRAWN BY : KKT

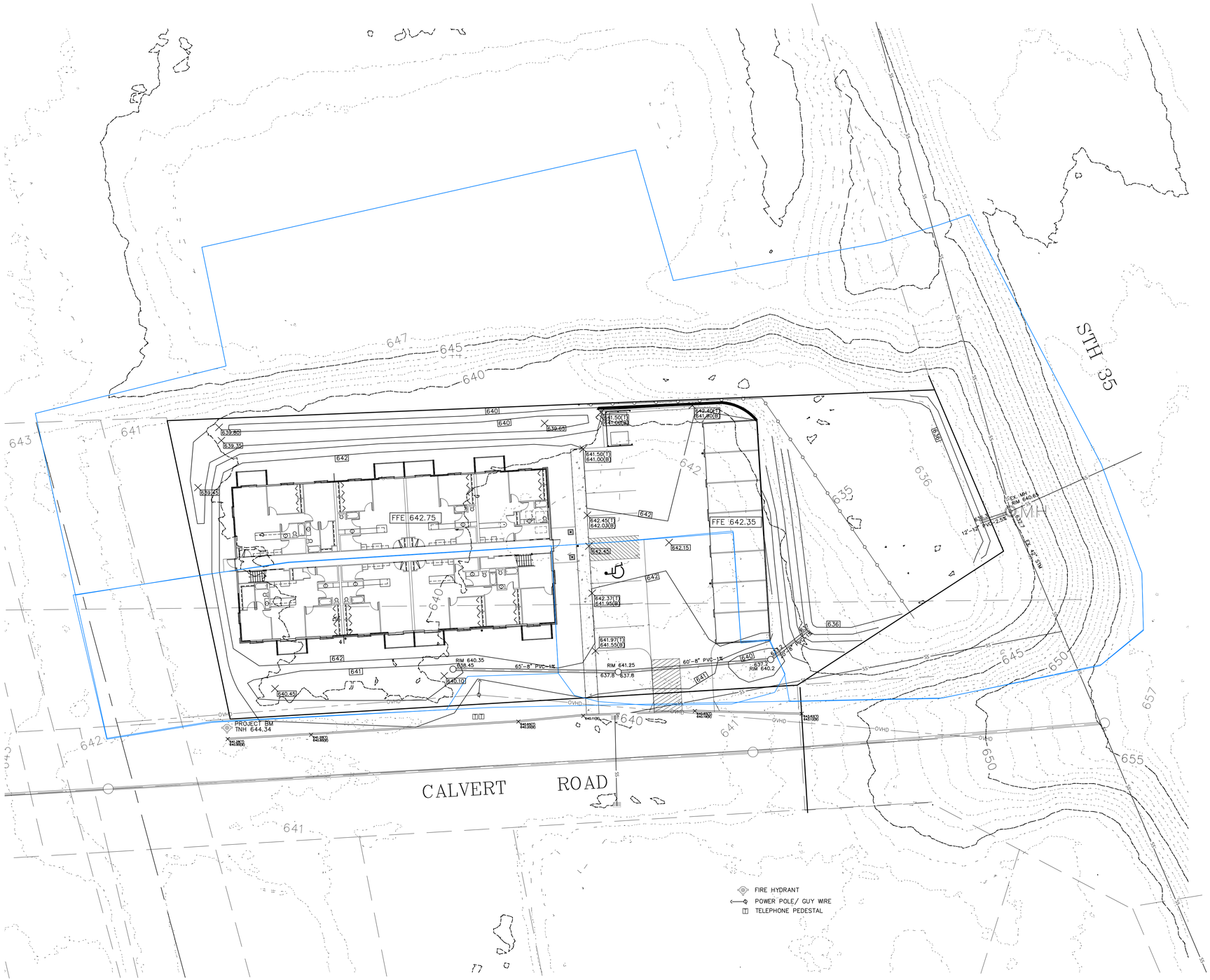
CHECKED BY : AC

REVISIONS :

Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

S2



LEGEND
- FOUND 3/4" I.D.I.P. (UNLESS NOTED)
- FOUND P.K. NAIL
- FOUND CHISELED "X"
- SET 3/4" X 18" IRON BAR
- TNH TOP NUT HYDRANT
- UTILITY POLE W/GUY WIRE
- HYDRANT
- EXISTING UNDERGROUND ELECTRIC
- SPOT ELEVATION
- SILT FENCE
- TRACKING CONTROL PAD
- BIOFILTRATION AREA, SEE DETAIL

GRADING NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- The underground locations of the public utilities were marked by representatives of those companies. The locations of the customer owned underground utilities were NOT marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contours shown are for finished surfaces, any adjustment to subgrade is the contractor's responsibility.
- All disturbed areas that unpaved are to be landscaped or sodded as indicated on the landscape plan.
- Pavement section consists of 3" Bituminous Pavement and 8" crushed aggregate base course.
- Spot elevations shall take precedence over contours and slopes shown. However, the contractor shall notify the Engineer if spot elevations do not appear to agree with the contours and slopes labeled. Spot elevations and specific profile information shall be used for establishing the elevation of curbs, driveways, and other utilities.
- All finished grading shall provide for a smooth transition to ungraded areas.
- All pvc storm piping shall be minimum SDR 35.

BUILDING AND WASTE MATERIAL SHALL BE DISPOSED OF IN A LAWFUL MANNER.

UTILITY NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. the contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800)-242-8511.
- Field verify all locations and invert elevations prior to commencing work.
- All Sanitary Sewer piping shall be PVC meeting ASTM D-3034 SDR 26.
- Water Lines shall be Ductile Iron (3" or Greater), or shall be AWWA C900. Tracer wire for C900 shall be a 1/8" stainless steel with poly coating, or approved equal. The tracer wire shall be securely grounded to the compression fitting at both the watermain and curb stop.
- It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.
- Contractor shall comply completely with the latest standards of OSHA Directives or any other agency having jurisdiction for excavation and trenching procedures. Contractor is responsible for complying with performance criteria as required by OSHA.
- Maintain 5' separation for watermain crossing over sanitary lateral.
- See Plumbing Plans for storm sewer drain connection locations.
- Storm connections shall be watertight with rubber gasket and steel band.
- All storm sewer piping shall have joints wrapped with EZ-Wrap by Press-Seal Gasket Corporation, or equal.

LA CROSSE COORDINATE SYSTEM

1" = 20'
0 10 20

LA CROSSE
ENGINEERING & SURVEYING CO., INC.
1206 S. 3rd STREET, LA CROSSE, WI 54601
Office: (608)782-1313 Fax: (608)782-5402
www.lacrosseengineering.com

NICOLAI APARTMENTS
CALVERT ROAD, LA CROSSE, WI
GRADING & EROSION CONTROL PLAN

DATE: 3/06/26

FILE: NICOLAI_CALVERT

DRAWN BY: FJH

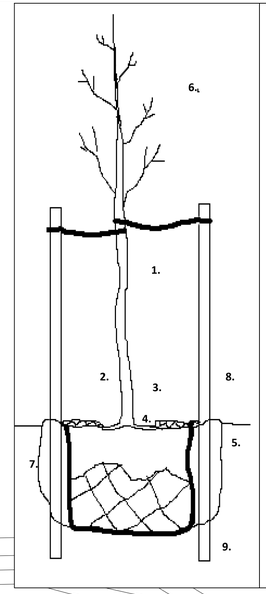
C1

NICOLAI APT, 3629 Calvert Road, LANDSCAPE PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	CONDITION	NOTES
	TREES					
ACJEF	Acer saccharun 'Jefcan'	Unity Maple	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
BN	Betula nigra	River Birch	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
GT	Gleditsia triacanthos var. inermis 'Harve'	Northern Acclaim Honeylocust	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
QR	Quercus robur x alba 'Scarlet Letter'	Scarlet Letter Oak	14	2" cal	B & B/Cont	Spd 15' x Ht 40'
TA	Tilia americana 'Bailyard'	Frontyard Linden	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
UA	Ulmus 'New Horizon'	New Horizon Elm	1	2" cal	B & B/Cont	Spd 30' x Ht 40'
	SHRUBS					
BT	Berberis thunbergii 'BailErin'	Limoncello Barberry	5	5 gal	container	Spd 4' x Ht 4'
CS	Cornus sericea (stolonifera) 'Kelseyi'	Kelsey Dogwood	7	5 gal	container	Spd 3' x Ht 3'
CSF	Cornus sericea 'Farrow'	Arctic Fire Red Twig Dogwood	10	5 gal	container	Spd 4' x Ht 4'
HP	Hydrangea paniculata 'SMHPFL'	Fire Light Hydrangea	9	5 gal	container	Spd 5' x Ht 5'
HPS	Hydrangea paniculata 'SMHPLQF'	Little Quick Fire® Hydrangea	10	5 gal	container	Spd 4' x Ht 4'
SBG	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	6	5 gal	container	Spd 4' x Ht 3'
SJ	Spiraea japonica 'Neon Flash'	Neon Flash Spirea	11	5 gal	container	Spd 4' x Ht 3'
	PERENNIALS					
HRS	Hemerocallis 'Ruby Stella'	Ruby Stella Daylily	30	1 gal	container	Spd 18" x Ht 18"
SSC	Schizachyrium scoparium 'Chameleon	Chameleon Little Bluestem	45	1 gal	container	Spd 18" x Ht 24"
SSB	Schizachyrium scoparium 'Blaze'	Blaze Little Bluestem	70	1 gal	container	Spd 18" x Ht 24"

All shrub beds to receive 2' of shredded bark, no plastic layer

Note: review planting directive for all trees



HOW TO PROPERLY PLANT A BALLED AND BURLAPPED TREE

PETE BEMIS, LANDSCAPE DESIGNER

1. INSPECT THE TREE FOR DAMAGED BARK ON THE TRUNK OR DAMAGED BRANCHES, THE BALL SHOULD BE VERY HARD AND FIRM. REJECT A TREE WHEN THE BALL IS BROKEN INTO PIECES.

2. PLANTING DEPTH IS CRITICAL, THE FLARE AT THE BASE OF THE TRUNK SHOULD BE EXPOSED ABOVE THE PLANTING DEPTH. LOOK AT OTHER TREES TO SEE HOW THE FLARE IS ABOVE THE SOIL.

3. IF THERE IS SOIL ABOVE THE FLARE OF THE TRUNK REMOVE SOIL UNTIL THE FLARE IS EXPOSED, ALL SOIL ABOVE THE FLARE MUST COME OFF THE BALL PRIOR TO DETERMINING PLANTING DEPTH. DO THIS BEFORE PUTTING THE TREE IN THE HOLE. THE BASKET SHOULD HAVE ALL ROPE/TWINE REMOVED FROM THE TOP TO OPEN THE BASKE AND DETERMINE THE PROPER PLANTING DEPTH BY EXPOSING THE TRUNK FLARE.

4. THE HOLE FROM THE TREE SHOULD BE MEASURED SO THAT WHEN THE TREE SITS IN THE HOLE THE FLARE IS AT OR SLIGHTLY ABOVE THE GRADE. THE TREE SHOULD SIT ON VERY FIRM SOIL, PACK PRIOR TO PLACING THE TREE IF NECESSARY. THE TREE SHOULD NOT SETTLE LOWER DUE TO SOFT SOIL BELOW THE BALL.

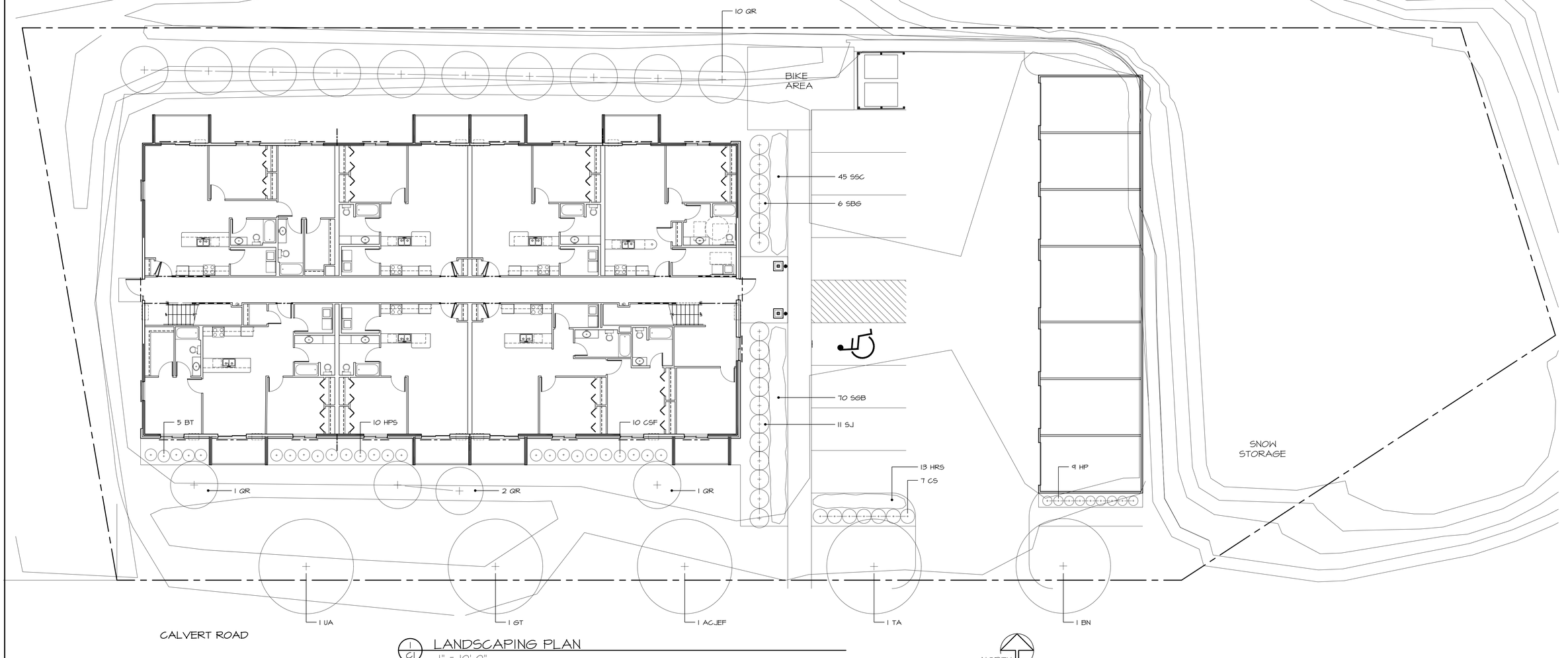
5. THE HOLE SHOULD BE TOW TO THREE TIMES THE WIDTH OF THE BALL. THE SOIL THAT IS REMOVED SHOULD BE RETURNED TO THE HOLE, ESPECIALLY THE TOPSOIL. CHOP THE GRASS SOD INTO PIECES TO PUT BACK IN THE HOLE, THIS IS THE BEST SOIL. IF THE SOIL IS EXTREMELY SANDY OR EXTREMELY CLAY, ADD APPROXIMATELY 25% COMPOST. DO NOT ENTIRELY REPLACE THE SOIL IN THE HOLE OR THE TREE WILL NOT WANT TO GROW ROOTS BEYOND THE WIDTH OF THE HOLE.

6. PRUNING SHOULD BE AT A MINIMUM FOR THE FIRST THO YEARS. REMOVE ANY LIMBS THAT ARE RUBBING OR DAMAGED. SHADE TREES SHOULD HAVE ONE DOMINATE LEADER.

7. PLACE THE TREE IN THE PLANTING HOLE TO THE CORRECT DEPTH. REMOVE ALL BURLAP AND WIRE BASKET TO THE EXTENT THAT THE BALL DOWN NOT COME APART, THE BALL MUST REMAIN INTACT. REMOVE THE BURLAP AND ROPE FROM TOP DOWN AND CUT THE WIRE OFF AS MUCH AS POSSIBLE, WITHOUT HAVING THE BALL FALL APART. THE WIRE DOES NOT ROT AWAY QUICKLY ENOUGH, IT WILL DAMAGE THE TREE ROOTS. DO NOT LEAVE ANY BURLAP EXPOSED AS IT WILL DRY OUT THE BALL.

8. CREATE A 36" TO 48" DIAMETER BERM WITH THE EXTRA SOIL, ABOUT 4" HIGH. FILL THE BERM WITH SHREDDED MULCH TO A DEPTH OF 3". DO NOT PLACE SHREDDED MULCH ON THE TREE TRUNK. BARK HIGH ON THE TREE TRUNK WILL MAKE THE TREE BARK SOFT AND BE AN ENTRY POINT FOR INSECTS AND DISEASES. TREE MULCH VOLCANOES' DAMAGE TREES.

9. STAKES SHOULD BE PLACED OUTSIDE THE TREE BALL. ATTACH THE TREE TO THE STAKES, BUT NOT VERY TIGHTLY. THE TREE SHOULD BE ABLE TO MOVE WITH THE WIND.



1 / C1 LANDSCAPING PLAN

1" = 10'-0"

5th Avenue Design

504 5TH AVENUE S.
LA CROSSE, WI 54601

TEL 608·780·5075

LANDSCAPE PLAN

DATE : 03.11.26

DRAWN BY : KKT

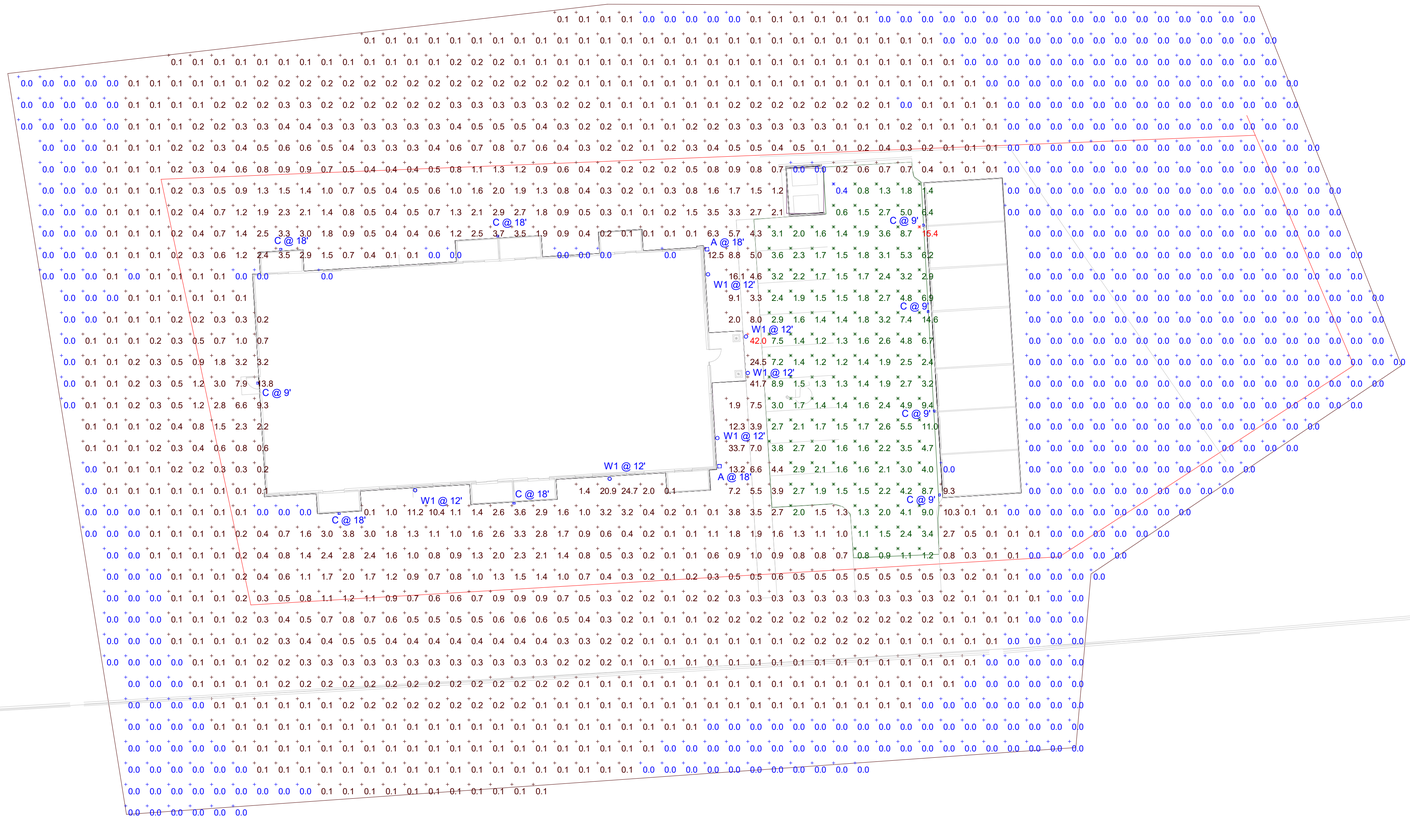
CHECKED BY : AN/SN

REVISIONS :

Nicolai Apartments

3629 Calvert Road
La Crosse, WI 54601

C1



SITE PLAN - PHOTOMETRICS

NOT TO SCALE

Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage
◯	W1	6	WAC LTG - DS-WE06-F30S-WT	SURFACE MOUNTED UP/DOWN LIGHT	LED	1	3543	0.9	34.6097
□	A	2	RAB - WP1FA29	EXTERIOR WALLPAK	LED	1	8692	0.9	60.54
□	C	9	RAB - WP2FA60	EXTERIOR WALLPAK	LED	1	4009	0.9	29.6321

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Overall Site	+	0.7 fc	42.0 fc	0.0 fc	N/A	N/A
Parking	✳	3.0 fc	15.4 fc	0.4 fc	38.5:1	7.5:1

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3/17/2026 8:23:3 AM

TUBE ARCHITECTURAL DS-WE06

6" Extended Single LED Wall Mount

WAC LIGHTING





Fixture Type: W1

Catalog Number: DS-WE06-F30S-WT

Project: NICOLAI

Location: LA CROSSE, WI

PRODUCT DESCRIPTION

The latest energy efficient LED technology in an appealing cylindrical profile delivers accent and wall wash lighting. Comes in various light distribution and beam angle options.

FEATURES

- Single light extended body high performance exterior rated LED wall mount
- Fixture can install upside down to alter light distribution
- Solid aluminum construction
- 5 year warranty

SPECIFICATIONS

Input: Universal voltage 120V - 277VAC, 50/60Hz
Dimming: Electronic low voltage (ELV) : 100% - 5%
0-10V: 100% - 1%
Light Source: High output 3 Step Mac Adam Ellipse COB
Rated life ≥60,000 hours at L70
Finish: Electrostatically powder coated white, black, bronze and graphite
Standards: IP65 rated, ETL & cETL wet location listed,
Energy Star® 2.2 Title 24 JA8-2016 Compliant
Operating Temp: -13°F to 122°F (-25°C to 50°C); EM: -4°F to 122°F (-20°C to 50°C)

ORDERING NUMBER

Diameter	Watt	Beam	Beam Angle	Color Temp	CRI	Reference Output[2] Lumen	CBCP	Efficacy (lm/w)	Light Distribution	Finish
DS-WE06	35W	S Straight up or down	16°	927S 2700K	90	2820	18842	81		BK Black
DS-WE06EM[1]	35W			927S 2700K	90	2825	5451	81		BK Black
				275 2700K	85	3385	22608	97		WT White
				930S 3000K	90	2930	5654	84		WT White
DS-WE0622	22W			930S 3000K	90	2925	19543	84		BZ Bronze
				30S 3000K	85	3535	23632	101		BZ Bronze
DS-WE0622EM[1]	22W			35S 3500K	85	3640	7017	104		GH Graphite
				835 3500K	85	3630	24255	104		GH Graphite
				405 4000K	85	3675	7085	105		
				405 4000K	85	3663	24490	105		
		N Straight up or down	28°	927S 2700K	90	2800	7992	80		
				275 2700K	85	3360	9589	96		
				930S 3000K	90	2900	8290	83		
				30S 3000K	85	3510	10024	100		
				35S 3500K	85	3600	10288	103		
				405 4000K	85	3635	10388	104		
		F Straight up or down	38°	927S 2700K	90	2825	5451	81		
				275 2700K	85	3390	6540	97		
				930S 3000K	90	2930	5654	84		
				30S 3000K	85	3545	6836	101		
				35S 3500K	85	3640	7017	104		
				405 4000K	85	3675	7085	105		
		F Away from the wall	N/A	927A 2700K	90	2860	N/A	82		
				27A 2700K	85	3435		98		
				930A 3000K	90	2970		85		
				30A 3000K	85	3590		103		
				35A 3500K	85	3685		105		
				40A 4000K	85	3720		106		
		F Towards the wall	N/A	927B 2700K	90	2860	N/A	82		
				27B 2700K	85	3435		98		
				930B 3000K	90	2970		85		
				30B 3000K	85	3590		103		
				35B 3500K	85	3685		105		
				40B 4000K	85	3720		106		

DS-WE06-_____-_____

[1]EM fixtures provided with integral emergency battery back up. Provides at least 90 minutes of 5W illumination during emergency operation. Emergency test button and indicator light located in fixture mounting arm.

Example: **DS-WE06-F930A-WT**

[2]Reference output shows 35W output. Multiply by **0.7** to determine output for 22W combinations.

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. SEPT 2019

WP1FA29

RAB



Color: Bronze

Weight: 6.6 lbs

Project: Nicolai

Type: C

Prepared By: MKR

Date: 3/13/2026

Driver Info

Type	Constant Current
120V	0.24A
208V	0.14A
240V	0.13A
277V	0.11A
Input Watts	29.7/29/29.7W

LED Info

Watts	29W
Color Temp	3000/4000/5000K
Color Accuracy	83/84/82 CRI
L70 Lifespan	100,000 Hours
Lumens	4,009/4,216/4,283 lm
Efficacy	135.3/146.1/145.6 lm/W

Technical Specifications

Field Adjustability
Field Adjustable:
Color temperature selectable by 3000K, 4000K and 5000K

Compliance
UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

Performance
Lifespan:
100,000-Hour LED lifespan based on IESIm-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 125W Metal Halide

LED Characteristics
LEDs:
Long-life, high-efficiency, surface-mount LEDs

Electrical
Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.24A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
12.2% at 120V, 13% at 277V

Power Factor:
98.9% at 120V, 93% at 277V

Photocell:
120-277V selectable photocell that can be turned on and off.

Construction
Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:
Suitable for use in up to 122°F (50°C)

Housing:
Die-cast aluminum

Lens:
Tempered glass

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation
Mounting:
Wall mount

Other
5-Year Limited Warranty:
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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WP2FA60

RAB



Color: Bronze

Weight: 7.9 lbs

Project: Nicolai

Type: A

Prepared By: MKR

Date: 03/13/2026

Driver Info

Type	Constant Current
120V	0.51A
208V	0.30A
240V	0.27A
277V	0.23A
Input Watts	62.7/60.6/62.9W

LED Info

Watts	60W
Color Temp	3000/4000/5000K
Color Accuracy	81/84/82 CRI
L70 Lifespan	100,000 Hours
Lumens	8,762/9,140/8,990 lm
Efficacy	139.8/150.8/142.9 lm/W

Technical Specifications

Field Adjustability
Field Adjustable:
Color temperature selectable by 3000K, 4000K and 5000K

Compliance
UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

Performance
Lifespan:
100,000-Hour LED lifespan based on IESIm-80 results and TM-21 calculations

Wattage Equivalency:
Equivalent to 250W Metal Halide

LED Characteristics
LEDs:
Long-life, high-efficiency, surface-mount LEDs

Electrical
Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 0.51A, 208V: 0.30A, 240V: 0.27A, 277V: 0.23A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
9.87% at 120V, 14.06% at 277V

Power Factor:
99% at 120V, 89.7% at 277V

Photocell:
120-277V selectable photocell that can be turned on and off.

Construction
Cold Weather Starting:
The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:
Suitable for use in up to 122°F (50°C)

Housing:
Die-cast aluminum

Lens:
Tempered glass

Finish:
Formulated for high durability and long-lasting color

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation
Mounting:
Wall mount

Other
5-Year Limited Warranty:
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ELECTRICAL SITE PLAN - PHOTOMETRICS

EXCEL

Always a Better Plan

100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

PROPOSED BUILDING FOR:

NICOLAI APARTMENTS

3629 CALVERT RD. • LA CROSSE, WI 54601

PROFESSIONAL SEAL

SHEET DATES

ISSUED FOR APPROVAL

IFA MAR. 13, 2026

JOB NUMBER

260028400

SHEET NUMBER

E1.0