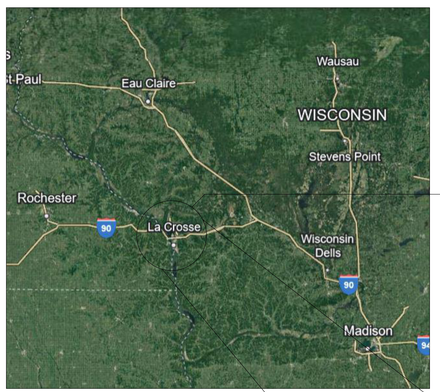
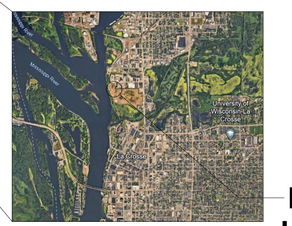
RyKey PROPERTIES



ARTISTIC RENDERING FOR REFERENCE ONLY



SITE



PROJECT LOCATION

THE ELEVEN
LA CROSSE, WI

DESIGN DEVELOPMENT
05/01/2026

wendel

204 E. Grand Avenue, Suite 200
Eau Claire, WI 54701
www.wendelcompanies.com
p:716.688.0766 tf:877.293.6335

Wendel Project No. 614007

DRAWING INDEX

SHEET NUMBER	SHEET NAME	REVISION NUMBER	REVISION DATE
GENERAL			
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G100	CODE COMPLIANCE PLANS		
G101	CODE COMPLIANCE PLANS		
CIVIL			
C1	TITLE SHEET		
C2	EXISITING CONDITIONS & DEMOLITION PLAN		
C3	SITE PLAN		
C4	EROSION CONTROL PLAN		
C5	GRADING PLAN		
C6	UTILITY PLAN		
C7	DETAILS		
C8	DETAILS		
C9	DETAILS		
ARCHITECTURE			
A001	TITLES & SYMBOLS		
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A303	EXTERIOR ELEVATIONS		
A304	EXTERIOR RENDERS		
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A352	BUILDING SECTIONS		
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A601	INTERIOR ELEVATIONS		
A701	FIRST LEVELREFLECTED CEILING PLANS		
A702	SECOND LEVEL REFLECTED CEILING PLANS		
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A801	DOOR ELEVATIONS, SCHEDULE, & DETAILS		
A802	DOOR & WINDOW DETAILS		
A803	DOOR & WINDOW DETAILS		
A901	SPECIFICATIONS		
A902	SPECIFICATIONS		
A903	SPECIFICATIONS		
A904	SPECIFICATIONS		

THE ELEVEN
APARTMENTS | RESIDENCES

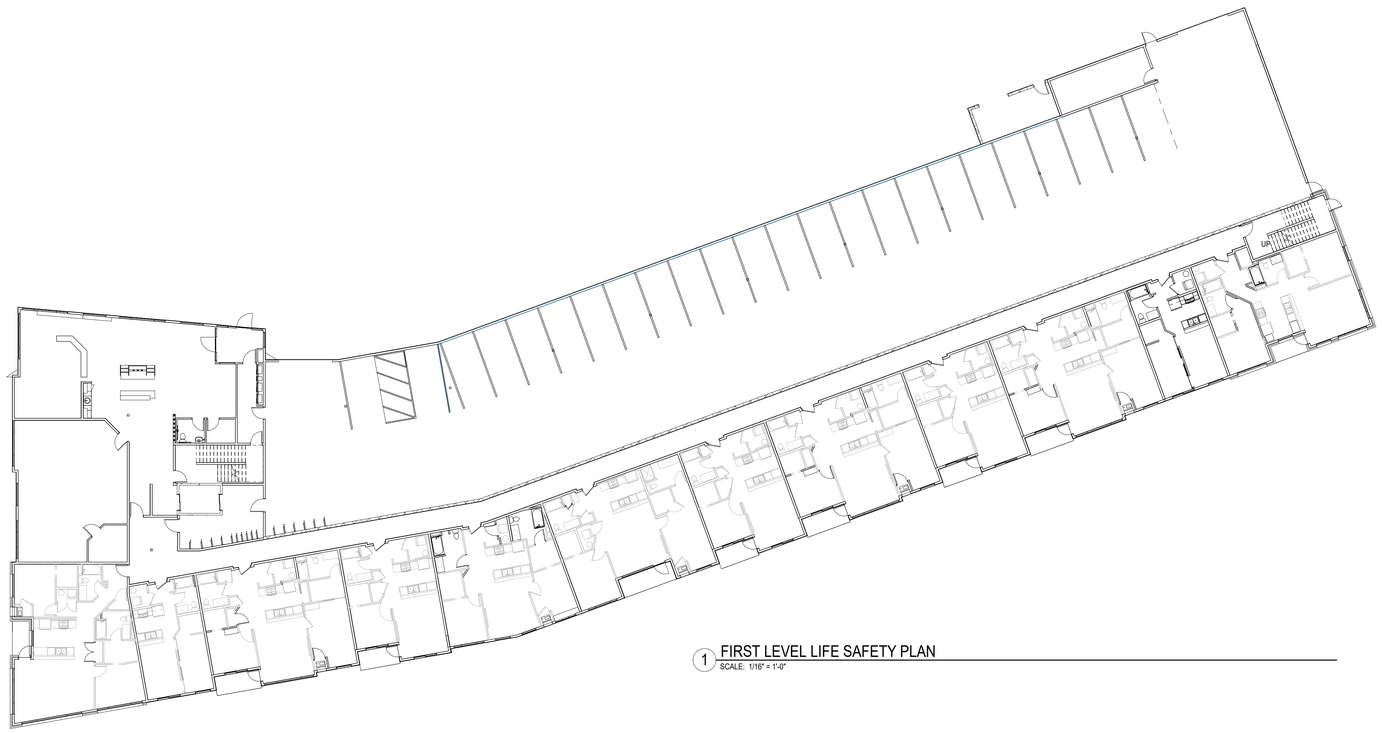
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LA CROSSE, WI

DESIGN DEVELOPMENT

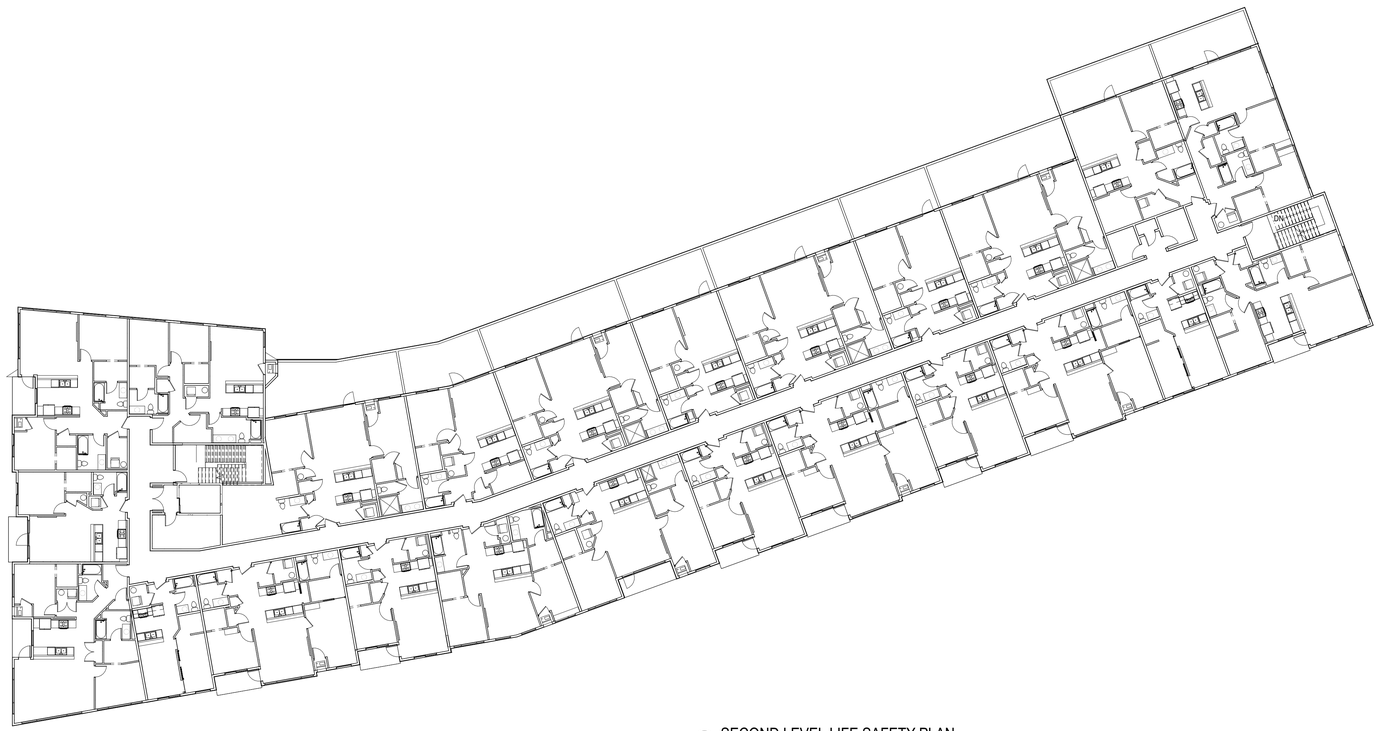
wendel

PROJECT TEAM

ARCHITECT
WENDEL ARCHITECTURE, P.C.
204 E. GRAND AVE, SUITE 200
EAU CLAIRE, WI 54701
T. 715.832.4848



1 FIRST LEVEL LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



2 SECOND LEVEL LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

DOOR NUMBER OR STAIR NUMBER
EGRESS WIDTH
EGRESS CAPACITY
ANTICIPATED LOAD

FE FEC — FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET

1 HOUR FIRE-RESISTANCE RATED CONSTRUCTION

2 HOUR FIRE-RESISTANCE RATED CONSTRUCTION

3 HOUR FIRE-RESISTANCE RATED CONSTRUCTION

S S — 1 HOUR FIRE-RESISTANCE/SMOKE BARRIER RATED CONSTRUCTION

D D D D — DRAFT STOPPING LOCATION, RUN RATED GYP BD TO BOTTOM OF SHEATHING (DRAFTSTOPPING AT ALL CORRIDOR WALLS)

TL X' - X" — EXIT ACCESS TRAVEL DISTANCE LABEL
CP X' - X" — COMMON PATH OF TRAVEL DISTANCE LABEL
PATH OF TRAVEL

(A-3) OCC CLASSIFICATION — FUNCTION BY IBC CHAPTER 10

AOR — AREA OF REFUGE

ACCESSIBILITY SYMBOL

EXIT SIGN

BUILDING CODE INFORMATION:

PROJECT LOCATION: GATEWAY COMMONS MIXED-USE
LOT 8 RIVER POINT DISTRICT
LA CROSSE, WI 54603

PROJECT SCOPE:
FOUR STORY MIXED-USE PROJECT LOCATED IN LA CROSSE, WI WITH 55 APARTMENTS AND TYPE 5 CONSTRUCTION TYPE

BUILDING AND FIRE CODES:
2015 BUILDING CODE (WISCONSIN) INCLUDE:

2015 INTERNATIONAL BUILDING CODE (IBC); AS AMENDED BY THE STATE OF WISCONSIN
2015 INTERNATIONAL MECHANICAL CODE (IMC); AS AMENDED BY THE STATE OF WISCONSIN
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
PLUMBING CODE COMM 82
2017 NFPA 70, NATIONAL ELECTRIC CODE (NEC)
2009 ICC/ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

OCCUPANCY CLASSIFICATION: RESIDENTIAL - R2 (LEVELS 1-4)
BUSINESS - B (LEVEL 1)

TYPE OF CONSTRUCTION:
TYPE 5A
EXTERIOR & INTERIOR BEARING WALLS: 1 HOUR
FLOOR/CEILING & ROOF/CEILING ASSEMBLIES: 1 HOUR
INTERIOR SHAFT WALLS: 2 HOUR
CORRIDOR WALLS: 1 HOUR
DWELLING UNIT SEPARATION: 1 HOUR

FULLY SPRINKLED: YES, NFPA 13R (R2 OCCUPANCY) & NFPA 13 (B OCCUPANCY)

BUILDING HEIGHT AND STORIES:
TYPE VA:
ACTUAL BUILDING HEIGHT:
53'-0", 4 STORIES
ALLOWABLE BUILDING HEIGHT (504.3):
R2: 60'-0", 4 STORIES
B: 70'-0", 4 STORIES

OCCUPANT LOAD:
1ST FLOOR OCCUPANT LOAD:
R2: 8,180 SQ. FT. / 200 GROSS = 41 OCCUPANTS
B (COMMERCIAL): 2,523 SQ. FT. / 100 GROSS = 26 OCCUPANTS
B (LOBBY/COMMUNITY): 1,639 SQ. FT. = 49 MAX. OCCUPANTS
2ND FLOOR OCCUPANT LOAD:
R2: 12,336 SQ. FT. / 200 GROSS= 62 OCCUPANTS
3RD FLOOR OCCUPANT LOAD:
R2: 12,336 SQ. FT. / 200 GROSS= 62 OCCUPANTS
4TH FLOOR OCCUPANT LOAD:
R2: 12,336 SQ. FT. / 200 GROSS= 62 OCCUPANTS

TOTAL OCCUPANCY: 302 OCCUPANTS

	S2	R2	B	TOTAL	*ALLOWABLE (WITH FRONTAGE INCREASE PER IBC 506.3)
1ST LEVEL	8,180 SQ. FT.	13,450 SQ. FT.	3,664 SQ. FT.	26,567 SQ. FT.	18,000 SQ. FT.
2ND LEVEL	--	26,567 SQ. FT.	--	26,567 SQ. FT.	18,000 SQ. FT.
3RD LEVEL	--	26,567 SQ. FT.	--	26,567 SQ. FT.	18,000 SQ. FT.
4TH LEVEL	??? SQ. FT.	??? SQ. FT.	--	??? SQ. FT.	18,000 SQ. FT.
ALLOWABLE	*12,000 SQ. FT.	*12,000 SQ. FT.	54,000 SQ. FT.		

TOTAL ACTUAL BUILDING AREA: 49,350 SQ. FT.

EXCEPTIONS AND RELEVANT CODES:

1. 3002.4 ELEVATOR CAR TO ACCOMMODATE AMBULANCE STRETCHER - ELEVATOR WILL ACCOMMODATE A STRETCHER.

2. 3006.2 HOISTWAY OPENING PROTECTION; EXCEPTION 2: OPENING PROTECTION NOT REQUIRED AT FIRST LEVEL AS BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

3. 1403.5 VERTICAL AND LATERAL FLAME PROPAGATION - NFPA 285 DOES NOT APPLY TO TYPE V CONSTRUCTION

4. 2406.4.2 GLAZING ADJACENT TO DOORS - WINDOWS ABOVE DOOR NOT REQUIRED TO BE SAFETY GLASS DUE TO THEM BEING ABOVE 60" AND NOT ALONG THE VERTICAL EDGE OF THE DOOR

ACCESSIBLE UNITS - 1107.6.2.2 APARTMENT HOUSES:

FULLY ACCESSIBLE UNITS:
0 REQUIRED, 0 PROVIDED

TYPE A ACCESSIBLE UNITS - 1107.6.2.2.1: 2% (55 UNITS X .02)
2 REQUIRED, 2 PROVIDED (UNIT E)

TYPE B ACCESSIBLE UNITS:
53 REQUIRED, 53 PROVIDED (ALL OTHER UNITS)

SEE SHEET A201 FOR ENLARGED TYPE 'A' ACCESSIBLE UNIT TYPE

FIRE RATINGS:

EXIT STAIRS (CMU) - 2-HOUR RATED (UL DESIGN U904)
ELEVATOR SHAFTS (CMU) - 2-HOUR RATED (UL DESIGN U904)
EXTERIOR WALLS - 1-HOUR RATED (UL DESIGN U348 & U904)
CORRIDOR WALLS - 1-HOUR RATED (UL DESIGN U327)
UNIT SEPARATION WALLS - 1-HOUR RATED (UL DESIGN U340)
FLOOR/CEILING ASSEMBLY (TRUSSES) - 1-HOUR RATED (UL DESIGN L528)
ROOF/CEILING ASSEMBLY (TRUSSES) - 1-HOUR RATED (UL DESIGN L528)
ROOF/CEILING ASSEMBLY (TRUSSES) - 2-HOUR RATED (GA FC 5751)
ROOF/CEILING ASSEMBLY (2X) - 1-HOUR RATED (GA FC 5406)ROOF/CEILING ASSEMBLY (CONC. ON DECK) - 2-HOUR RATED (UL D902)

506.2.4 MIXED OCCUPANCY, MULTI-STORY:
EACH STORY SHALL COMPLY WITH 508.1 AND 506.2.4
FIRST FLOOR: 508.4 MIXED USE, SEPARATED (R2 & B)
SECOND FLOOR: SINGLE USE, NON-SEPARATED (R2 WITH NFPA-13R)
THIRD FLOOR: SINGLE USE, NON-SEPARATED (R2 WITH NFPA-13R)
FOURTH FLOOR: SINGLE USE, NON-SEPARATED (R2 WITH NFPA-13R)

EGRESS WIDTH:
1005.3.1 STAIRWAYS
OCCUPANTS 186 X .3 = 56" REQUIRED
80" PROVIDED
1005.3.2 (OTHER THAN STAIRS)
R2 + B (LOBBY/COMMUNITY)
OCCUPANTS 49 X .2 = 10" REQUIRED
72" PROVIDED

B (COMMERCIAL)
OCCUPANTS 26 X .2 = 6" REQUIRED
216" PROVIDED

1008 MEANS OF EGRESS ILLUMINATION:
THE MEANS OF EGRESS SERVING A ROOM OR SPACE SHALL BE ILLUMINATED AT ALL TIMES THAT THE ROOM OF SPACE IS OCCUPIED, EXCEPT (EXCEPTION 3) DWELLING UNITS AND SLEEPING UNITS IN GROUP R2

1017.2 EXIT TRAVEL DISTANCE:
R2: 250' REQUIRED, 115' PROVIDED
B: 300' REQUIRED, 81' PROVIDED

RyKey PROPERTIES

THE ELEVEN
LA CROSSE, WI

DESIGN DEVELOPMENT

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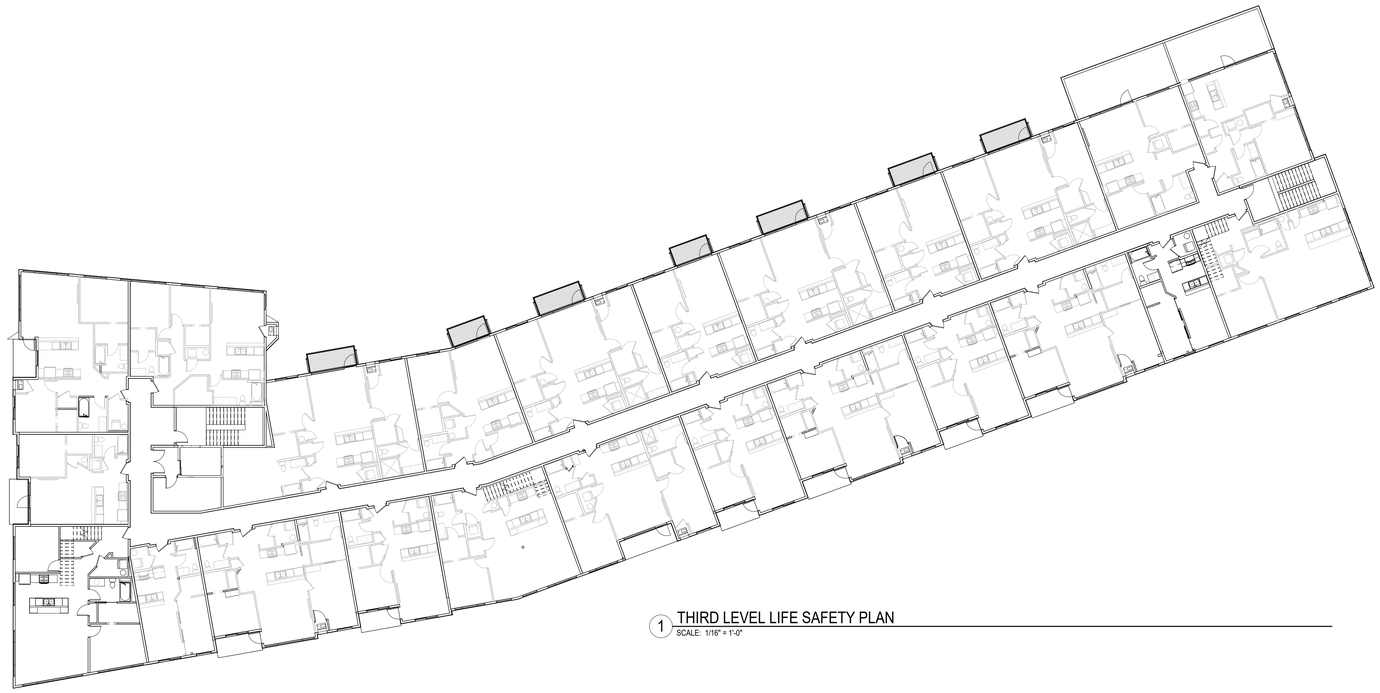
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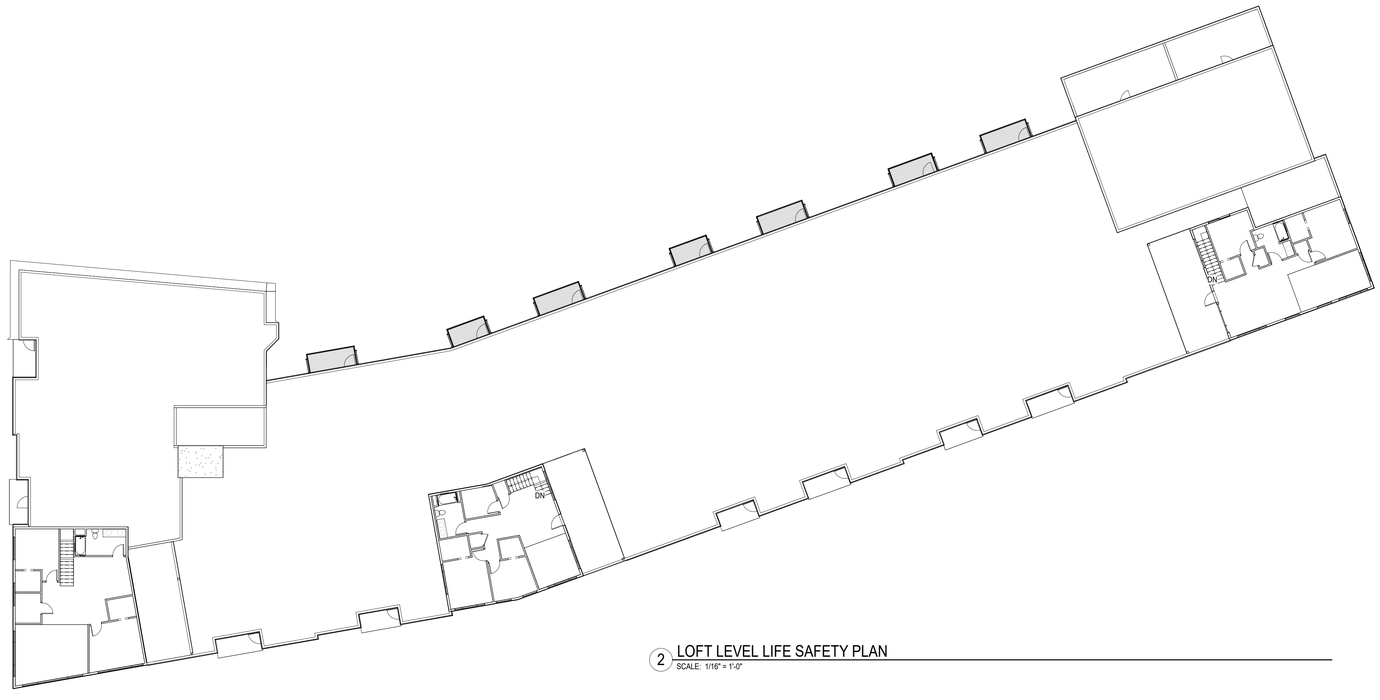
DWG. TITLE
CODE COMPLIANCE PLANS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	**G100**



1 THIRD LEVEL LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



2 LOFT LEVEL LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

RyKey PROPERTIES

THE ELEVEN
LA CROSSE, WI

DESIGN DEVELOPMENT

wendel

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DATE	05/01/2026
SCALE	1/16" = 1'-0"
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	

G101

LOT 11 - RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND ROAD
LA CROSSE, WI

LA CROSSE COUNTY



VICINITY MAP

811 Know what's below. Call before you dig.

PROJECT LOCATION



LOCATION MAP

CONTACTS	
ENGINEERING	DIRECTOR OF ENGINEERING & PLANNING MATT GALLAGER, P.E. 608.789.7505
PLANNING & DEVELOPMENT	DEPUTY DIRECTOR TIM ACKLIN 608.789.7391
ELECTRIC	XCEL ENERGY – JASON MCROBERTS 715.577.1132
CABLE	CHARTER COMMUNICATIONS – PERRY MCCLELLAN 608.317.6213
GAS	XCEL ENERGY – JAKE ENDRES 608.498.3176
CABLE	LUMEN – TOM MURRAY 608.780.0895
FIRE DEPT.	FIRE CHIEF – JEFF SCHOTT 608.789.7559

PROJECT DEVELOPER/ CLIENT:
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2004 HIGHAND AVE, SUITE 2A
EAU CLAIRE, WI 54703
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EAU CLAIRE, WI 54701
PH: 715.832.4848
EMAIL: jpolacek@wendelcompanies.com

PROJECT ENGINEER:
ADVANCED ENGINEERING CONCEPTS
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EAU CLAIRE, WI 54701
PHONE: 715.552.0330
EMAIL: sbohan@aec.engineering

PROGRESS SET

SCHEDULE OF REQUIRED PERMITS		
APPROVALS NEEDED	DATE SUBMITTED	APPROVAL
CITY OF LA CROSSE SITE PLAN SUBMITTAL		
DSPS–EXTERIOR PLUMBING PLAN REVIEW		
WDNR–POST CONST.		

LEGEND

EXISTING / PROPOSED

- BENCHMARK
- CONTROL POINT
- SIGN
- CURB STOP
- WELL
- HYDRANT
- GATE VALVE
- CURB INLET
- AREA DRAIN
- SAN MH
- STORM MH
- SAN CLEANOUT
- GAS MANHOLE
- LIGHT POLE
- UTILITY POLE
- GUY WIRE
- GUY POLE
- PULL BOX
- ELEC PED
- CABLE PED
- MAILBOX
- TELE PED
- IRON PIPE
- ROW POST
- REBAR
- WTR — WATER MAIN
- SAN — SANITARY SEWER
- STM — STORM SEWER
- OH — OVERHEAD UTILITY
- T — TELEPHONE LINE
- G — GAS LINE
- E — ELECTRIC LINE
- TV — CABLE TV LINE
- TREELINE
- EXISTING TREES
- MARSH
- FENCE LINE
- WOVEN WIRE FENCE
- SILT FENCE
- RETAINING WALL
- 870 — CONTOURS MAJOR
- 910 — CONTOURS MINOR

ABBREVIATIONS:

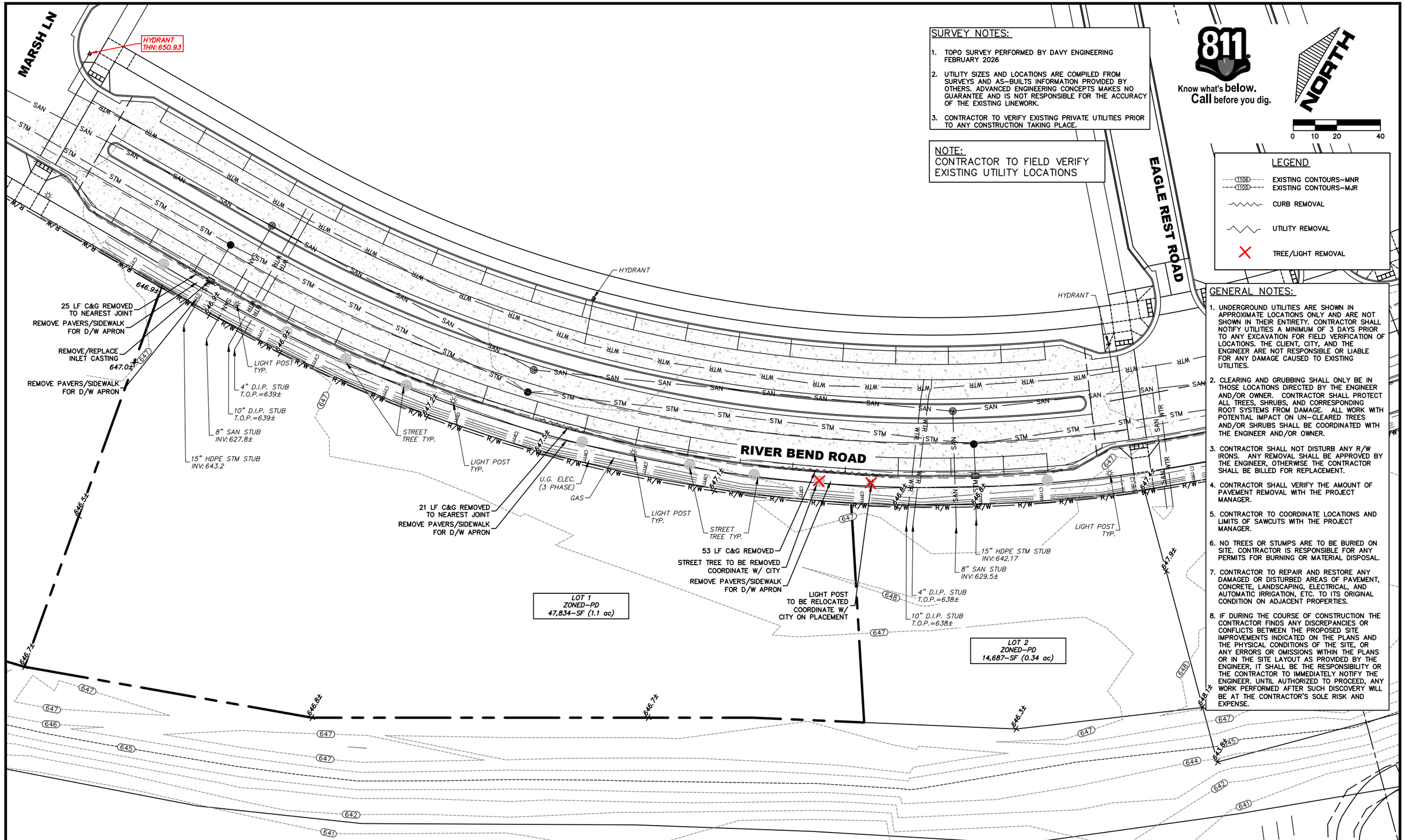
BC=BACK OF CURB
BLK=BLOCK NUMBER
BTM=BOTTOM (ELEV)
CL=CENTERLINE
CS=CURB STOP
ELEV=ELEVATION
EOP=EDGE OF PAVEMENT
EX=EXISTING
FES=FLARED END SECTION
FF=FINISHED FLOOR (ELEV)
FL=FLOWLINE
GF=GARAGE FLOOR (ELEV) @ OVERHEAD DOOR
GLG=GROUND LINE GROOVE
HWL=HIGH WATER LEVEL
INV=INVERT
LF=LINEAR FEET
LO=LOOKOUT STYLE HOME
LT=LEFT
MIN=MINIMUM
NWL=NORMAL WATER LEVEL
PC=POINT OF CURVE
PRC=CURVE REVERSAL POINT
PT=POINT OF TANGENCY
RAD=RADIUS
RT=RIGHT
R/W=RIGHT OF WAY
SAN=SANITARY SEWER
SP=SPOT ELEVATION
SS=SAFETY SHELF (ELEV)
STA=STATION
STM=STORM SEWER
TC=TOP OF CURB
T.O.P.=TOP OF PIPE
TP=TOP OF PAVEMENT
TYP=TYPICAL
W=WATER FITTINGS
WTR=WATER
WM=WATERMAIN
WO=WALKOUT STYLE HOME

SHEET SCHEDULE	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS & DEMOLITION PLAN
3	SITE PLAN
4	EROSION CONTROL PLAN
5	GRADING PLAN
6	UTILITY PLAN
7-9	DETAILS

AEC PROJECT #: 26022 PLANS DATED: APRIL 2026

ADVANCED ENGINEERING CONCEPTS
1360 INTERNATIONAL DR.
EAU CLAIRE, WI 54701
PH 715–552–0330
INFO@AEC.ENGINEERING

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SURVEY NOTES:

1. TOPO SURVEY PERFORMED BY DAVY ENGINEERING FEBRUARY 2026
2. UTILITY SIZES AND LOCATIONS ARE COMPILED FROM SURVEYS AND AS–BUILTS INFORMATION PROVIDED BY OTHERS. ADVANCED ENGINEERING CONCEPTS MAKES NO GUARANTEE AND IS NOT RESPONSIBLE FOR THE ACCURACY OF THE EXISTING LINEWORK.
3. CONTRACTOR TO VERIFY EXISTING PRIVATE UTILITIES PRIOR TO ANY CONSTRUCTION TAKING PLACE.

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

811 Know what's **below.** **Call** before you dig.

NORTH

0 10 20 40

LEGEND

- EXISTING CONTOURS–MNR
- EXISTING CONTOURS–MJR
- CURB REMOVAL
- UTILITY REMOVAL
- TREE/LIGHT REMOVAL

GENERAL NOTES:

1. UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY AND ARE NOT SHOWN IN THEIR ENTIRETY. CONTRACTOR SHALL NOTIFY UTILITIES A MINIMUM OF 3 DAYS PRIOR TO ANY EXCAVATION FOR FIELD VERIFICATION OF LOCATIONS. THE CLIENT, CITY, AND THE ENGINEER ARE NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES.
2. CLEARING AND GRUBBING SHALL ONLY BE IN THOSE LOCATIONS DIRECTED BY THE ENGINEER AND/OR OWNER. CONTRACTOR SHALL PROTECT ALL TREES, SHRUBS, AND CORRESPONDING ROOT SYSTEMS FROM DAMAGE. ALL WORK WITH POTENTIAL IMPACT ON UN–CLEARED TREES AND/OR SHRUBS SHALL BE COORDINATED WITH THE ENGINEER AND/OR OWNER.
3. CONTRACTOR SHALL NOT DISTURB ANY R/W IRONS. ANY REMOVAL SHALL BE APPROVED BY THE ENGINEER, OTHERWISE THE CONTRACTOR SHALL BE BILLED FOR REPLACEMENT.
4. CONTRACTOR SHALL VERIFY THE AMOUNT OF PAVEMENT REMOVAL WITH THE PROJECT MANAGER.
5. CONTRACTOR TO COORDINATE LOCATIONS AND LIMITS OF SAWCUTS WITH THE PROJECT MANAGER.
6. NO TREES OR STUMPS ARE TO BE BURIED ON SITE. CONTRACTOR IS RESPONSIBLE FOR ANY PERMITS FOR BURNING OR MATERIAL DISPOSAL.
7. CONTRACTOR TO REPAIR AND RESTORE ANY DAMAGED OR DISTURBED AREAS OF PAVEMENT, CONCRETE, LANDSCAPING, ELECTRICAL, AND AUTOMATIC IRRIGATION, ETC. TO ITS ORIGINAL CONDITION ON ADJACENT PROPERTIES.
8. IF DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR FINDS ANY DISCREPANCIES OR CONFLICTS BETWEEN THE PROPOSED SITE IMPROVEMENTS INDICATED ON THE PLANS AND THE PHYSICAL CONDITIONS OF THE SITE, OR ANY ERRORS OR OMISSIONS WITHIN THE PLANS OR IN THE SITE LAYOUT AS PROVIDED BY THE ENGINEER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY NOTIFY THE ENGINEER. UNTIL AUTHORIZED TO PROCEED, ANY WORK PERFORMED AFTER SUCH DISCOVERY WILL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED

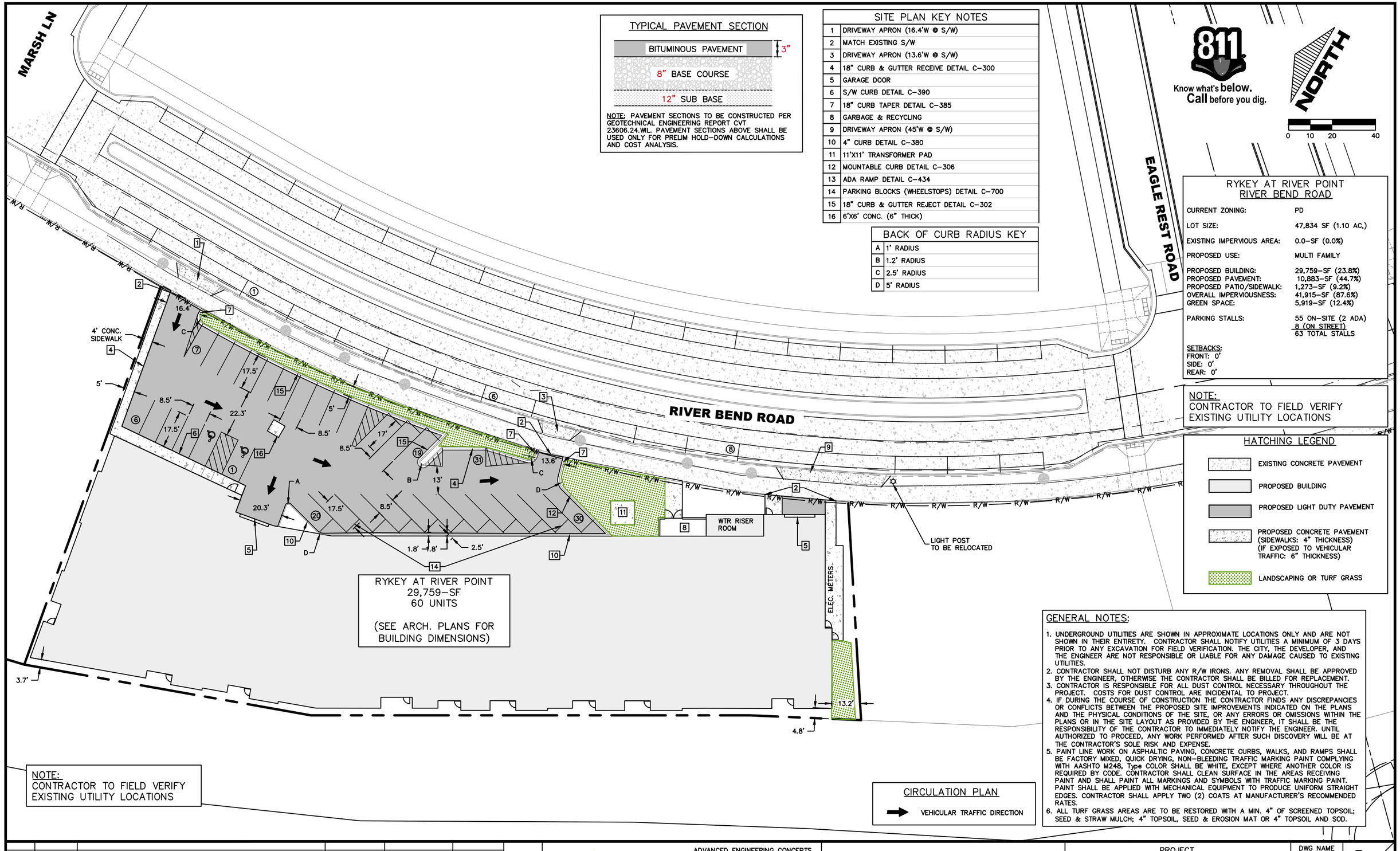
PROJ. NO. 26022

ADVANCED ENGINEERING CONCEPTS
1360 INTERNATIONAL DR
EAU CLAIRE, WI 54701
PH: 715–552–0330
info@aec.engineering
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EXISTING CONDITIONS & DEMOLITION PLAN

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 26022 PG2 EXISTING
DATE 04/2026



TYPICAL PAVEMENT SECTION

BITUMINOUS PAVEMENT	3"
8" BASE COURSE	
12" SUB BASE	

NOTE: PAVEMENT SECTIONS TO BE CONSTRUCTED PER GEOTECHNICAL ENGINEERING REPORT CVT 23606.24.WIL. PAVEMENT SECTIONS ABOVE SHALL BE USED ONLY FOR PRELIM HOLD–DOWN CALCULATIONS AND COST ANALYSIS.

SITE PLAN KEY NOTES

1	DRIVEWAY APRON (16.4'W @ S/W)
2	MATCH EXISTING S/W
3	DRIVEWAY APRON (13.6'W @ S/W)
4	18" CURB & GUTTER RECEIVE DETAIL C–300
5	GARAGE DOOR
6	S/W CURB DETAIL C–390
7	18" CURB TAPER DETAIL C–385
8	GARBAGE & RECYCLING
9	DRIVEWAY APRON (45'W @ S/W)
10	4" CURB DETAIL C–380
11	11'X11' TRANSFORMER PAD
12	MOUNTABLE CURB DETAIL C–306
13	ADA RAMP DETAIL C–434
14	PARKING BLOCKS (WHEELSTOPS) DETAIL C–700
15	18" CURB & GUTTER REJECT DETAIL C–302
16	6'X6' CONC. (6" THICK)

BACK OF CURB RADIUS KEY

A	1' RADIUS
B	1.2' RADIUS
C	2.5' RADIUS
D	5' RADIUS

RYKEY AT RIVER POINT
RIVER BEND ROAD

CURRENT ZONING:	PD
LOT SIZE:	47,834 SF (1.10 AC.)
EXISTING IMPERVIOUS AREA:	0.0–SF (0.0%)
PROPOSED USE:	MULTI FAMILY
PROPOSED BUILDING:	29,759–SF (23.8%)
PROPOSED PAVEMENT:	10,883–SF (44.7%)
PROPOSED PATIO/SIDEWALK:	1,273–SF (9.2%)
OVERALL IMPERVIOUSNESS:	41,915–SF (87.6%)
GREEN SPACE:	5,919–SF (12.4%)
PARKING STALLS:	55 ON–SITE (2 ADA) 8 (ON STREET) 63 TOTAL STALLS

SETBACKS:
FRONT: 0'
SIDE: 0'
REAR: 0'

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

HATCHING LEGEND

- EXISTING CONCRETE PAVEMENT
- PROPOSED BUILDING
- PROPOSED LIGHT DUTY PAVEMENT
- PROPOSED CONCRETE PAVEMENT (SIDEWALKS: 4" THICKNESS) (IF EXPOSED TO VEHICULAR TRAFFIC: 6" THICKNESS)
- LANDSCAPING OR TURF GRASS

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

GENERAL NOTES:

1. UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY AND ARE NOT SHOWN IN THEIR ENTIRETY. CONTRACTOR SHALL NOTIFY UTILITIES A MINIMUM OF 3 DAYS PRIOR TO ANY EXCAVATION FOR FIELD VERIFICATION. THE CITY, THE DEVELOPER, AND THE ENGINEER ARE NOT RESPONSIBLE OR LIABLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES.
2. CONTRACTOR SHALL NOT DISTURB ANY R/W IRONS. ANY REMOVAL SHALL BE APPROVED BY THE ENGINEER, OTHERWISE THE CONTRACTOR SHALL BE BILLED FOR REPLACEMENT.
3. CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL NECESSARY THROUGHOUT THE PROJECT. COSTS FOR DUST CONTROL ARE INCIDENTAL TO PROJECT.
4. IF DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR FINDS ANY DISCREPANCIES OR CONFLICTS BETWEEN THE PROPOSED SITE IMPROVEMENTS INDICATED ON THE PLANS AND THE PHYSICAL CONDITIONS OF THE SITE, OR ANY ERRORS OR OMISSIONS WITHIN THE PLANS OR IN THE SITE LAYOUT AS PROVIDED BY THE ENGINEER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY NOTIFY THE ENGINEER. UNTIL AUTHORIZED TO PROCEED, ANY WORK PERFORMED AFTER SUCH DISCOVERY WILL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.
5. PAINT LINE WORK ON ASPHALTIC PAVING, CONCRETE CURBS, WALKS, AND RAMPS SHALL BE FACTORY MIXED, QUICK DRYING, NON–BLEEDING TRAFFIC MARKING PAINT COMPLYING WITH AASHTO M248, Type COLOR SHALL BE WHITE, EXCEPT WHERE ANOTHER COLOR IS REQUIRED BY CODE. CONTRACTOR SHALL CLEAN SURFACE IN THE AREAS RECEIVING PAINT AND SHALL PAINT ALL MARKINGS AND SYMBOLS WITH TRAFFIC MARKING PAINT. PAINT SHALL BE APPLIED WITH MECHANICAL EQUIPMENT TO PRODUCE UNIFORM STRAIGHT EDGES. CONTRACTOR SHALL APPLY TWO (2) COATS AT MANUFACTURER'S RECOMMENDED RATES.
6. ALL TURF GRASS AREAS ARE TO BE RESTORED WITH A MIN. 4" OF SCREENED TOPSOIL; SEED & STRAW MULCH; 4" TOPSOIL, SEED & EROSION MAT OR 4" TOPSOIL AND SOD.

CIRCULATION PLAN

→ VEHICULAR TRAFFIC DIRECTION

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED
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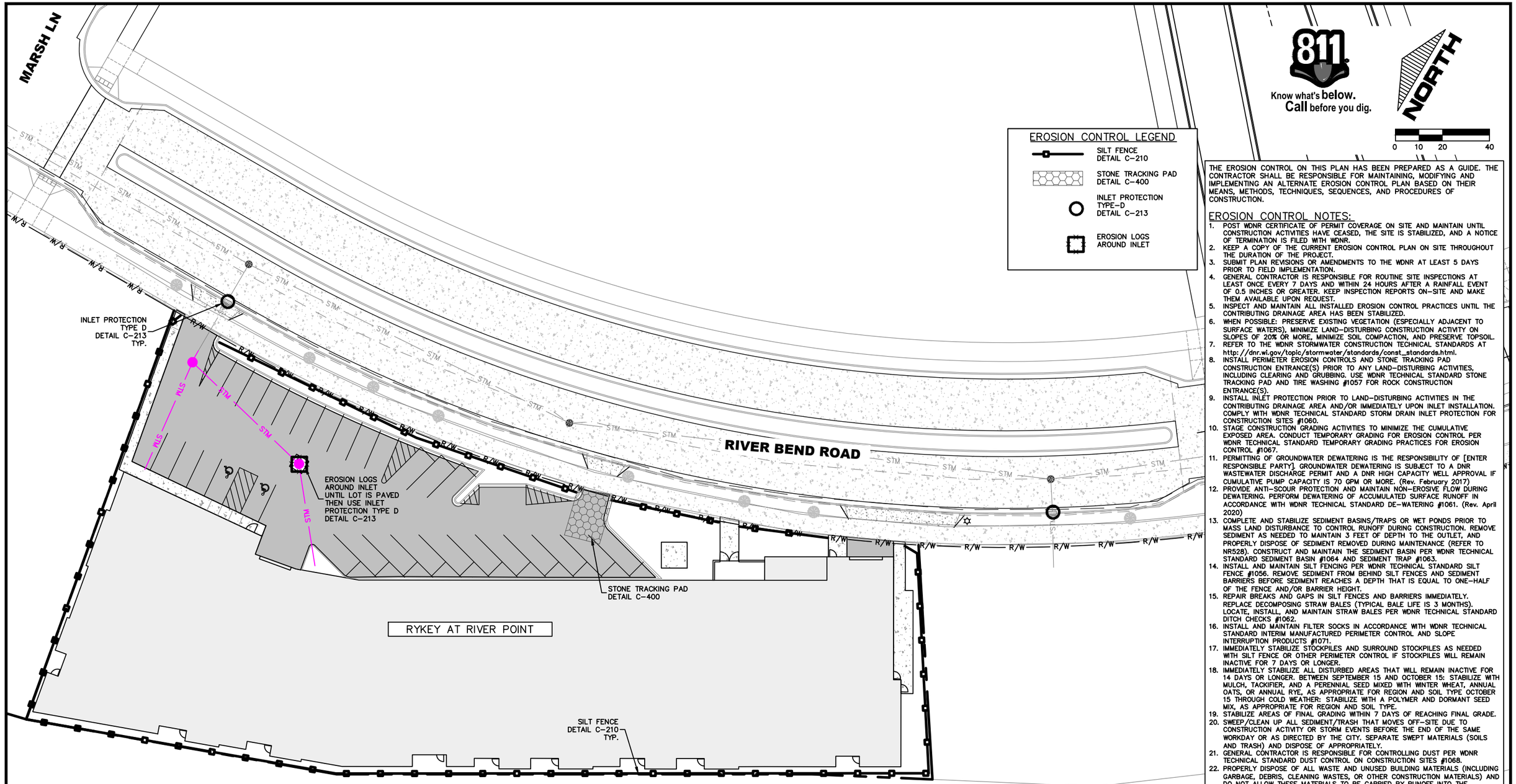
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SITE PLAN

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 26022 PG3 SITE
DATE 04/2026



811 Know what's **below.** **Call** before you dig.

NORTH

0 10 20 40

EROSION CONTROL LEGEND

- SILT FENCE DETAIL C-210
- STONE TRACKING PAD DETAIL C-400
- INLET PROTECTION TYPE-D DETAIL C-213
- EROSION LOGS AROUND INLET

THE EROSION CONTROL ON THIS PLAN HAS BEEN PREPARED AS A GUIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, MODIFYING AND IMPLEMENTING AN ALTERNATE EROSION CONTROL PLAN BASED ON THEIR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

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 THE DURATION OF THE PROJECT.
3. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. GENERAL 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 STONE 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 CUMULATIVE EXPOSED AREA. 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 [ENTER RESPONSIBLE PARTY]. 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. April 2020)
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 NR528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP #1063.
14. 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.
15. 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.
16. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
17. 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.
18. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE 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.
19. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
20. 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. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
21. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
22. 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.
23. COORDINATE WITH ENGINEER 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).
24. 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.

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED

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EROSION CONTROL PLAN

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 26022 PG4 EROSION

DATE 04/2026

MARSH LN

RIVER BEND ROAD

EAGLE REST ROAD

Know what's **below.**
Call before you dig.

811

NORTH

0 10 20 40

GRADING PLAN LEGEND

1106	EXISTING CONTOURS–MNR
1105	EXISTING CONTOUR–MJR
851	FINAL CONTOUR–MJR
849	FINAL CONTOUR–MNR
	DRAINAGE PATTERN LINES
	GRADE BREAK LINES
1%	PROPOSED DRAINAGE DIRECTION
XXX.XX	PROPOSED SPOT ELEVATION
XXX.X±	EXISTING SPOT ELEVATION
FF	FIRST FLOOR ELEVATION
GF	GARAGE FLOOR ELEVATION
TW	TOP OF WALL ELEVATION
BW	GROUND AT TOE OF WALL

GRADING NOTES:

1. ALL CONTOURS ARE COMPUTER GENERATED AND REPRESENT APPROXIMATE LOCATIONS. PROPOSED CONTOURS REPRESENT FINISHED GROUND GRADES AFTER RESTORATION. CONTOURS IN STREET REPRESENT THE TOP OF PAVEMENT.
2. RECTANGLES REPRESENT BUILDING PAD LOCATIONS, NOT STRUCTURE DIMENSIONS OR POSITION. STRUCTURE PLACEMENT SHALL COMPLY WITH ALL APPLICABLE SETBACKS PER CITY CODE AND FINAL PLAT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING POSITIVE DRAINAGE AWAY FROM STRUCTURES. BUILDER SHALL VERIFY ACTUAL FINISH FLOOR ELEVATION(S) PRIOR TO CONSTRUCTION AND SHALL INSURE ALL SITE DRAINAGE IS DIRECTED AWAY FROM STRUCTURES AND TOWARD DRAINAGE WAYS.
4. ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT AND/OR FINISHED GRADE UNLESS OTHERWISE NOTED.
5. IF DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR FINDS ANY DISCREPANCIES OR CONFLICTS BETWEEN THE PROPOSED SITE IMPROVEMENTS INDICATED ON THE PLANS AND THE PHYSICAL CONDITIONS OF THE SITE, OR ANY ERRORS OR OMISSIONS WITHIN THE PLANS OR IN THE SITE LAYOUT AS PROVIDED BY THE ENGINEER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY NOTIFY THE ENGINEER. UNTIL AUTHORIZED TO PROCEED, ANY WORK PERFORMED AFTER SUCH DISCOVERY WILL BE AT THE CONTRACTOR'S SOLE RISK AND EXPENSE.
6. ALL DISTURBED GROUND LEFT INACTIVE FOR FOURTEEN OR MORE DAYS MUST BE STABILIZED BY SEEDING, MULCH OR SODDING.
7. ALL TURF GRASS AREAS ARE TO BE RESTORED WITH A MIN. 4" OF SCREENED TOPSOIL, SEED & STRAW MULCH, 4" TOPSOIL, SEED & EROSION MAT OR 4" TOPSOIL AND SOD.
8. USE CARE TO SECURE A UNIFORM GRADE. GRADES SHALL BE CAREFULLY CHECKED AND IRREGULARITIES REPORTED TO ENGINEER. DEVIATION FROM ESTABLISHED LINES AND GRADES SHALL BE CAUSE FOR REJECTION OF WORK.

RYKEY AT RIVER POINT

FF GARAGE @ DOOR= 647.37
FF FIRST LEVEL= 647.47

LOT TO BE DEVELOPED BY OTHERS

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED
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GRADING PLAN

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 26022 PG5 EROSION

DATE 04/2026

SANITARY SEWER TABLE					
STRUCTURE NO.	DETAIL NO.	RIM	INVERT	DIRECTION	PIPE DIA.
SAN1	S-120	647.00	628.00	E	8"
W/ OUTSIDE DROP			628.10	W	8"
			635.68	W	8"

NOTE
FOR CONNECTION TO EXISTING PIPE, CONTRACTOR TO VERIFY LOCATION, SIZE, INVERT, & SLOPE AND TO CONTACT ENGINEER WITH ANY DISCREPANCIES.

STORM SEWER TABLE					
STRUCTURE NO.	DETAIL NO.	RIM	INVERT	DIRECTION	PIPE DIA.
STM1	SS-200	646.57	643.26	E	15"
SOLID LID			643.26	S	12"
			643.26	W	12"
STM2	SS-211	646.56	643.57	N	12"
AREA DRAIN			643.57	SW	10"

WATERMAIN TABLE	
FITTING	DETAIL/DESCRIPTION
W1	CONNECT TO EX. 10" STUB
W2	10" 45° BEND
W3	10" 45° BEND
W4	10" 11.25° BEND
W5	10" 11.25° BEND
W6	CONNECT TO EX. 4" STUB W/ 45° BEND
W7	4" 45° BEND
W8	4" 11.25° BEND
W9	4" 11.25° BEND

Know what's below. Call before you dig.

NORTH

0 10 20 40

UTILITY NOTES:

1. STORM AND SANITARY PIPE LENGTHS ARE TO CENTER OF MANHOLE. CONTRACTOR TO VERIFY ACTUAL LENGTH REQUIRED.
2. MANHOLES ARE 48"ø UNLESS OTHERWISE NOTED.
3. MAINTAIN A MINIMUM 7.5' WATERMAIN COVER. ALL WATERMAIN MUST BE INSTALLED ACCORDING TO CITY OF LA CROSSE. REFER TO STANDARD DETAILS FOR ALL UTILITY INSTALLATION. CONTACT CITY INSPECTOR AT LEAST 72 HOURS PRIOR TO START OF UTILITY CONSTRUCTION SO THAT INSPECTION CAN BE SCHEDULED.
4. 12" CLEARANCE WHEN WATERMAIN GOES OVER SANITARY, WATERMAIN, OR STORM SEWER & 18" SEPARATION WHEN WATERMAIN PASSES UNDER SANITARY, WATERMAIN OR STORM SEWER.
5. UPON COMPLETION OF STORM SEWER INSTALLATION, STORM SEWER INLETS SHALL BE PROTECTED FROM SEDIMENT BY SILT FENCE, HAY BALES, OR EQUIVALENT MEASURES. PROTECTION SHALL REMAIN IN PLACE UNTIL ASPHALT AREAS HAVE BEEN PAVED AND ALL NONE PAVED AREAS HAVE 100% VEGETATION ESTABLISHED.
6. CONTRACTOR MUST PROTECT THE SANITARY LATERAL FROM ANY SAND, ROCK, ECT. ENTERING THE PIPE DURING CONSTRUCTION.
7. SANITARY SEWER LATERALS SHALL HAVE MINIMUM SLOPE OF 1/16" PER FOOT FOR ALL 8-INCH PIPE (800 DFU'S).
8. CONTRACTOR SHALL VERIFY THE TOTAL DRAINAGE FIXTURE UNITS (DFU's) AND PIPE SIZES WITH THE PLUMBING PLANS.
9. SANITARY SEWER SERVICE SHALL BE PVC (SDR 35).
10. WATER SERVICE SHALL BE DUCTILE IRON OR APPROVED EQUAL.
11. STORM SEWER SHALL BE ADS N-12 WT IB PIPE OR PRINSCO GOLDFLO WT OR SDR35 PVC OR APPROVED EQUAL.
12. THE PIPE DIAMETER'S LISTED ARE THE NOMINAL INSIDE DIAMETER.
13. MANHOLES SHALL BE CONSTRUCTED AS DETAILED AND SET PLUMB WITH A MAXIMUM DEVIATION OF +/- 0.1 FOOT FROM VERTICAL.
14. LAY PIPE TO SLOPE GRADIENTS NOTED ON DRAWINGS; WITH MAXIMUM VARIATION FROM TRUE SLOPE OF 1/8 INCH IN 10 FEET.

NOTE:
CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS

MARSH LN
EAGLE REST ROAD
RIVER BEND ROAD
EX. HYDRANT
8" SAN STUB INV: 627.8±**
LIGHT POST TYP.
W1 10" D.I.P. STUB T.O.P.=639±**
W6 4" D.I.P. STUB T.O.P.=639±**
15" HDPE STM STUB INV: 643.2**
5 LF 15" RCP @ 0.99%
STM1
SAN1
W2
W3
W7
64 LF 12" HDPE @ 0.5%
16 LF 8" @ 1.24%
F.D.C.
STM2
W8
W4
W9
W5
U.G. ELEC.
GAS
ELEC. TRANSFORMER
WTR.
GAS METER
5.2'
38 LF 8" SAN @ 4.0% STUB W/IN 5-FT OF BLDG. INV: 637.2±
39 LF 10" HDPE @ 0.56% W/IN 5-FT OF BUILDING INV: 643.79±
50 LF 12" HDPE @ 0.50% W/IN 5-FT OF BUILDING INV: 643.51±
244 LF 10" D.I.P. STUB W/IN 5-FT OF BLDG. T.O.P.=639.0±
236 LF 4" D.I.P. STUB W/IN 5-FT OF BLDG. T.O.P.=639.0±
ELECTRICAL METERS
RYKEY AT RIVER POINT
FF GARAGE @ DOOR= 647.37
FF FIRST LEVEL= 647.47

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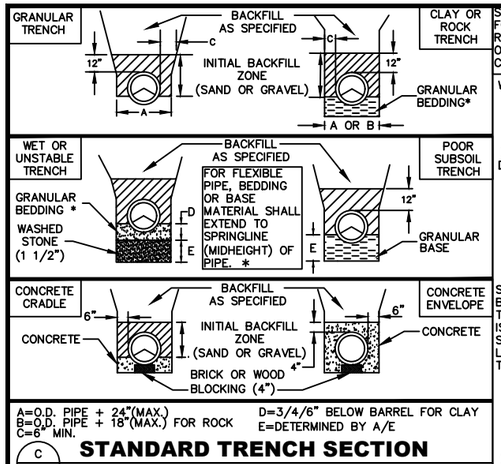
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UTILITY PLAN

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 26022 PG6
SITE
DATE 04/2026



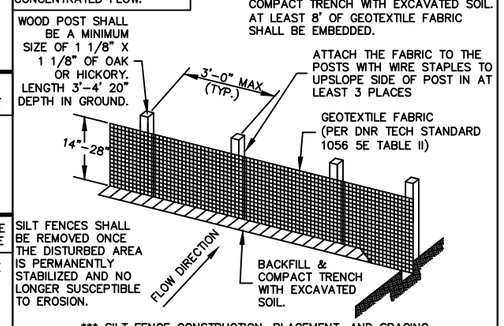
A=O.D. PIPE + 24"(MAX.)
B=O.D. PIPE + 18"(MAX.) FOR ROCK
C=6" MIN.
D=3/4/6" BELOW BARREL FOR CLAY
E=DETERMINED BY A/E

STANDARD TRENCH SECTION

C 100 NOT TO SCALE

SILT FENCE IS NOT INTENDED FOR USE IN CONTROLLING RUNOFF IN SWALES, DITCHES OR OTHER PLACES OF CONCENTRATED FLOW.

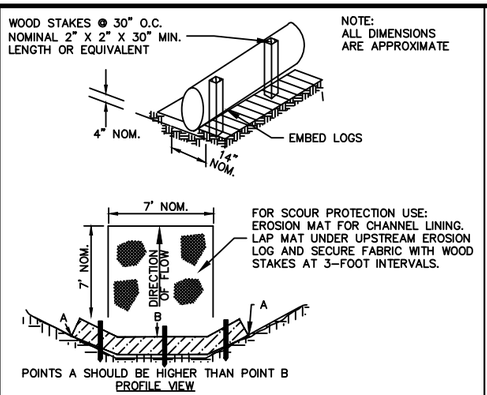
EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL. AT LEAST 8' OF GEOTEXTILE FABRIC SHALL BE EMBEDDED.



*** SILT FENCE CONSTRUCTION, PLACEMENT, AND SPACING SHOULD *** COMPLY WITH WIDNR TECHNICAL STANDARD-1056, LATEST REVISION. WHEN DISCREPANCIES APPEAR, THE TECHNICAL STANDARD-1056 SHALL SUPERSEDE.

SILT FENCE DETAIL

C 210 NOT TO SCALE



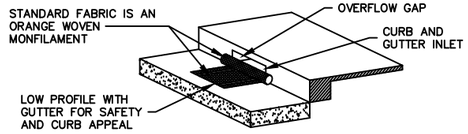
PROPER PLACEMENT OF EROSION LOG BARRIER IN DRAINAGE WAY

C 205 NOT TO SCALE

CONTRACTOR TO INSTALL WDNR TYPE-D INLET PROTECTION IN DOWNSTREAM CURB & GUTTER INLETS. PROVIDE BEAVER DAM-DANDY CURB BAG OR FLEX-STORM CATCH-IT INLET FILTERS OR APPROVED EQUAL.

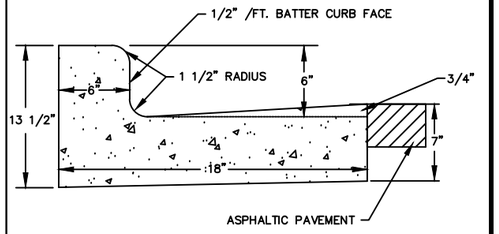
INSTALLATION
1. STAND THE GRATE ON END.
2. SLIDE THE INLET FILTER BAG ON WITH THE DAM ON TOP OF THE GRATE.
3. PULL THE EXCESS DOWN.
4. LAY THE UNIT ON ITS SIDE.
5. CAREFULLY TUCK THE FLAP IN.
6. PRESS THE VELCRO STRIPS TOGETHER.
7. INSTALL THE UNIT MAKING SURE THE FRONT EDGE OF THE GRATE IS INSERTED IN THE FRAME FIRST, THEN LOWER IT BACK INTO PLACE.
8. PRESS THE VELCRO DOTS TOGETHER THAT ARE LOCATED UNDER THE STRAPS TO HOLD THE STRAPS TO THE SURFACE OF THE UNIT.

MAINTENANCE
TO ENSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN A MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE INLET FILTER AS NEEDED. DISPOSE OF OR EMPTY INLET FILTER IN AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.



INLET PROTECTION - TYPE D (DANDY CURB BAG)

C 213 NOT TO SCALE

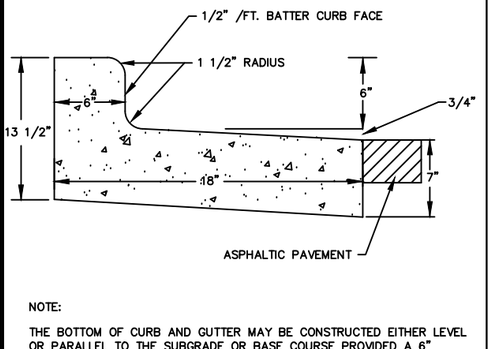


NOTE:

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SUBGRADE OR BASE COURSE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

18" CURB AND GUTTER DETAIL (TYPE "D")

C 300 NOT TO SCALE

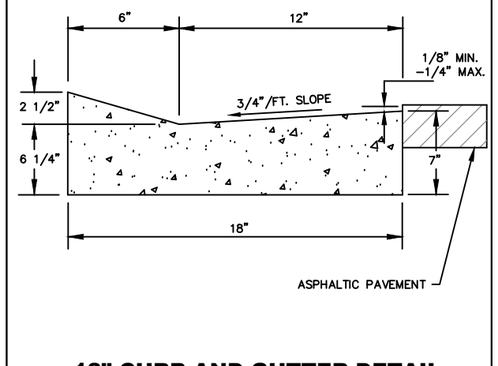


NOTE:

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SUBGRADE OR BASE COURSE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

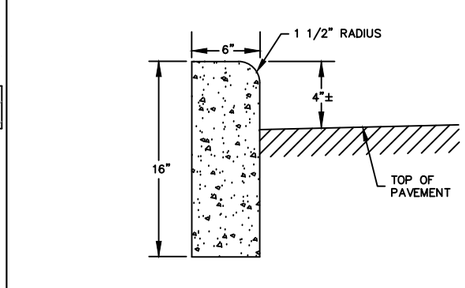
18" CURB AND GUTTER DETAIL TIPPED OUT (TYPE "D")

C 302 NOT TO SCALE



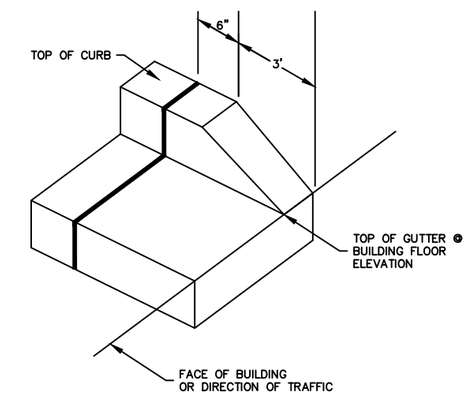
18" CURB AND GUTTER DETAIL (TYPE "V")

C 306 NOT TO SCALE



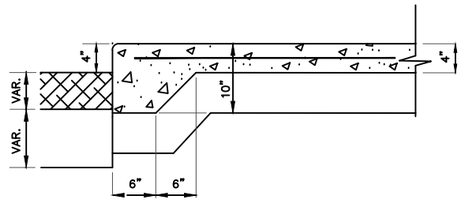
4" CURB DETAIL

C 380 NOT TO SCALE



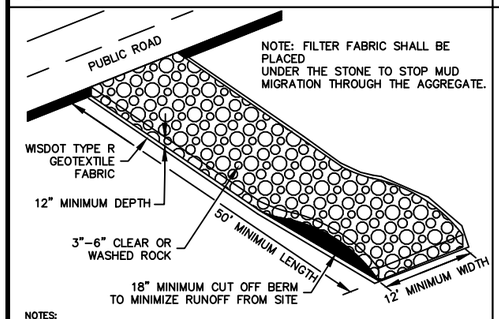
CURB TAPER

C 385 NOT TO SCALE



INTEGRAL CURB AND SIDEWALK DETAIL

C 390 NOT TO SCALE



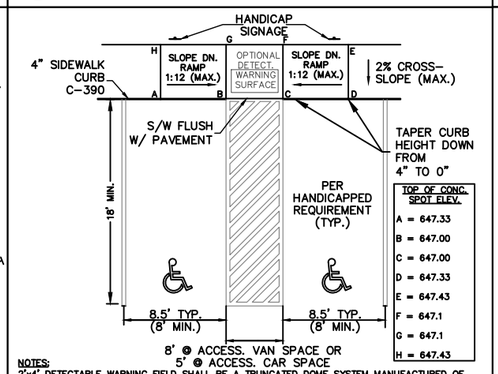
NOTES:
1. IF A 50-FT PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

2. SLOPE THE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.

3. INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICT TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12-FEET WIDE ACROSS THE TOP OF THE PAD.

STONE TRACKING PAD AND TIRE WASHING DETAIL

C 400 NOT TO SCALE

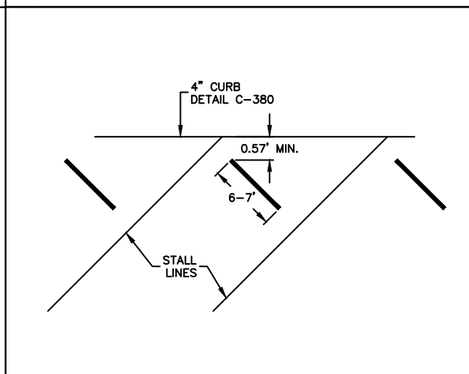


NOTES:
2'x4' DETECTABLE WARNING FIELD SHALL BE A TRUNCATED DOME SYSTEM MANUFACTURED OF CAST IRON IN A NATURAL PATINA FINISH, MANUFACTURED BY NEENAH FOUNDRY, OR APPROVED EQUAL. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS. USAGE IS OPTIONAL UNLESS THE DIRECTION OF TRAVEL IS IMMEDIATELY INTO TRAFFIC.

THE SURFACE TEXTURE OF THE RAMP (EXCLUDING ANY TRUNCATED DOME PANEL) SHALL BE A COARSE BROOMED FINISH, TRANSVERSE TO THE SLOPE OF THE RAMP.

DUAL HANDICAP RAMP DETAIL

C 434 NOT TO SCALE



WHEELSTOP LAYOUT

C 700 NOT TO SCALE

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED

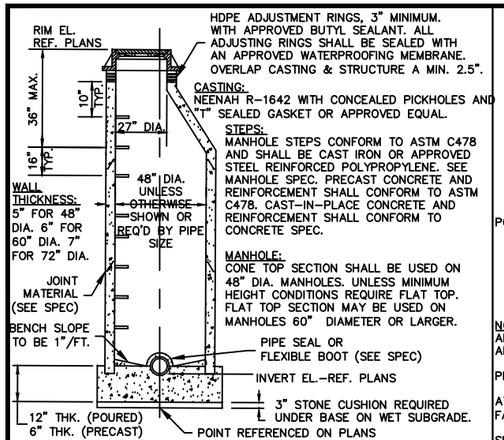
PROJ. NO. 26022

ADVANCED ENGINEERING CONCEPTS
1360 INTERNATIONAL DR
EAU CLAIRE, WI 54701
PH: 715-552-0330
info@aec.engineering
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DETAILS

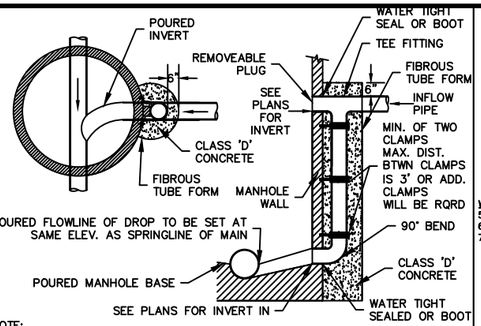
PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

DWG NAME 24052 PG9 DETAILS
DATE 04/2026



S 100 **STANDARD SANITARY MANHOLE**

NOT TO SCALE



NOTE:
ALL OUTSIDE DROP PIPING SHALL BE CLASS 52 D.I., SDR PVC, OR RIGID PIPING APPROVED BY THE ENGINEER.

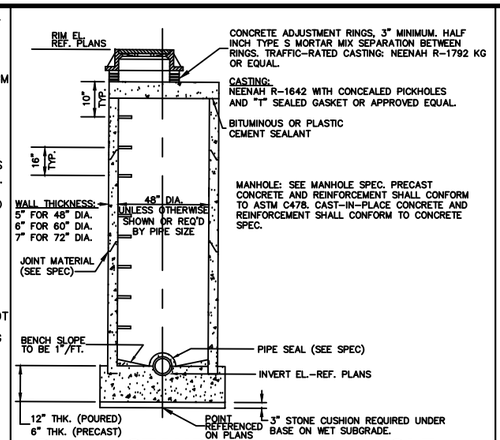
PIPE AND FITTINGS SHALL BE SAME SIZE AS INFLOW PIPE TO MANHOLE

ATTACH DROP TO MANHOLE WALL WITH STRAPPING ANCHORED WITH MASONRY FASTENERS. (MIN. 2 STRAPS PER DROP) SHIM AS NEEDED.

SEE STANDARD MANHOLE DETAIL FOR ADDITIONAL INFORMATION.

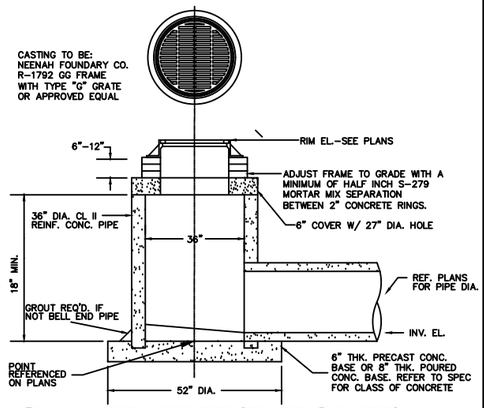
S 120 **OUTSIDE DROP MANHOLE**

NOT TO SCALE



SS 200 **STANDARD 48" MANHOLE**

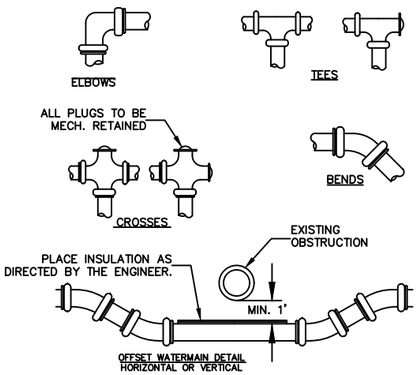
NOT TO SCALE



SS 211 **AREA INLET (FLAT GRATE)**

NOT TO SCALE

FIELD LOK GASKETS REQUIRED UNLESS DIRECTED OTHERWISE BY THE ENGINEER. RETAINER GLANDS ONLY WHEN APPROVED BY THE ENGINEER



W 100 **WATERMAIN JOINT DETAIL**

NOT TO SCALE

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED
_	_	_	_	_	_

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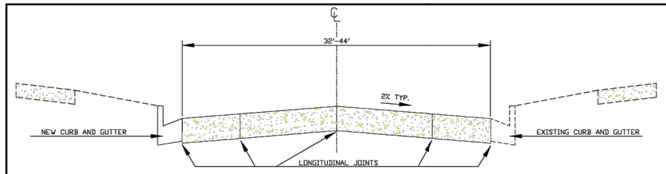
DETAILS

PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

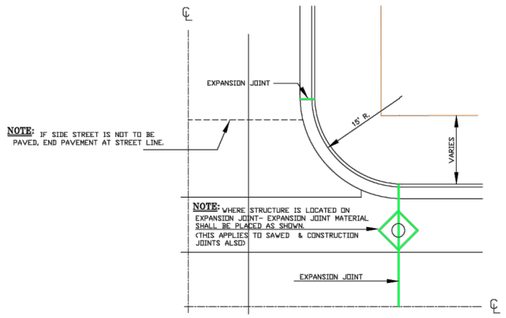
DWG NAME 24052 PG9 DETAILS

DATE 04/2026

DRAWINGS NOT TO SCALE



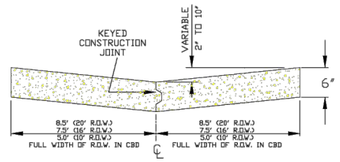
TYPICAL CROSS SECTION FOR 36' ROADWAY



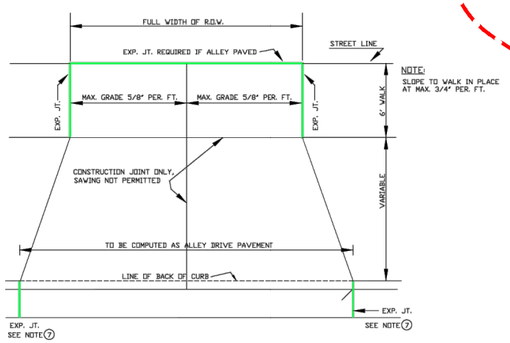
1/4 TYPICAL INTERSECTION

NOTES-JOINTS

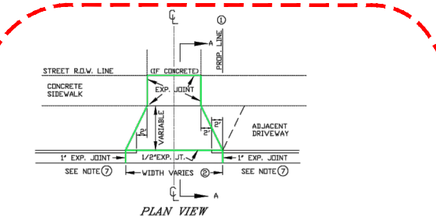
1. EXPANSION JOINTS SHALL BE PLACED AT THE END OF RADII AT STREET INTERSECTIONS AND MID-BLOCK BETWEEN INTERSECTIONS. IN NO CASE SHALL THE DISTANCE BETWEEN EXPANSION JOINTS EXCEED 160 FEET.
2. THE DISTANCE BETWEEN TRAVERSE JOINTS SHALL NOT BE LESS THAN 10 FEET AND SHALL BE TYPICALLY 20 FEET APART.
3. LONGITUDINAL CONSTRUCTION JOINTS BETWEEN CURB AND GUTTER SECTION AND CONC. PAVING SECTION SHALL BE SEALED AS SHOWN ON JOINT DETAILS.



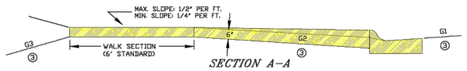
TYPICAL SECTION OF ALLEY PAVEMENT



STANDARD ALLEY DRIVEWAY 7" THICK



PLAN VIEW

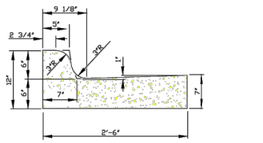


SECTION A-A

① DRIVE SECTION SHALL NOT OVERLAP PROPERTY LINE EXTENDED, EXCEPT WHERE PERMITTED BY THE ENGINEER, OR WHEN A JOINT DRIVEWAY AGREEMENT IS EXECUTED BY OWNERS OF ADJACENT PROPERTIES.
② MAX. DRIVEWAY WIDTH AT THE CURB AND SIDEWALK IS SET FORTH IN CITY ORDINANCE 5.03.
③ THE BREAKOVER ANGLE (CAUSE OF CARS BOTTOMING) BECOMES CRITICAL WHEN THE ALGEBRAIC DIFFERENCE OF GRADES (G1, G2, & G3) EXCEEDS 11%.
④ A REINFORCED DRIVE SECTION IS **REQUIRED FOR CURB & GUTTER IN AREAS ZONED INDUSTRIAL OR COMMERCIAL.**
⑤ BACK OF CURB TO FRONT OF CONC. SIDEWALK MUST BE CONCRETE, BRICK OR ASPHALTIC BITUMINOUS.
⑥ **MECHANICAL COMPACTION** OF SUBSOIL IN LAYERS LESS THAN 12" TO ACHIEVE MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY FROM MODIFIED PROCTOR **IS REQUIRED**. (INCLUDING STREET SIDE AFTER FORMS ARE REMOVED)
⑦ EXPANSION JOINT IS REQUIRED AT BOTH ENDS OF DRIVEWAY WHEN ONLY DRIVEWAY IS INSTALLED OR REPLACED. WHEN ENTIRE BLOCK OF CURB & GUTTER IS INSTALLED THE EXPANSION JOINT AT DRIVEWAY ENDS MAY BE OMITTED.

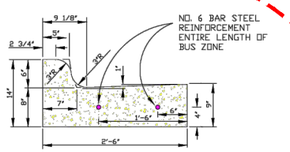
NOTE: TURNING OF 2' DIAMETER DRIVEWAY RETURNS IN LIEU OF DIMINISHING HEAD AS SHOWN IS PERMITTED IF DESIRED BY PROPERTY OWNER. INSTALLATION OF A DRIVEWAY BY REMOVING EXISTING CURB HEAD ONLY IS NOT ALLOWED. ENTIRE EXISTING C&G MUST BE REMOVED FOR NEW DRIVEWAYS. REMOVAL OF A MINIMUM 12" WIDTH OF BITUMINOUS TO INSTALL FRONT FORMS IS REQUIRED.

STANDARD DRIVEWAY DETAIL

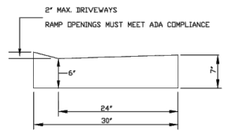


STANDARD CURB & GUTTER SECTION

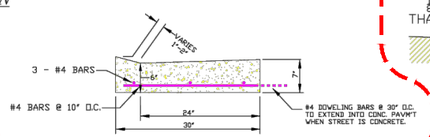
NOTE: WITH REFERENCE TO SAWING OF CONTRACTION JOINTS ON SLIP FORM CURB & GUTTER, & CURB, PAGE 9.3, STANDARD SPEC'S THE SAW CUT SHALL BE A MINIMUM 1/8" WIDE X 1" DEEP.



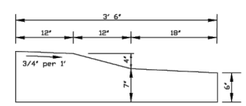
REINFORCED CURB & GUTTER BUS STOP LOCATIONS



MOUNTABLE CURB SECTION

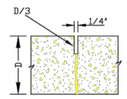


REINFORCED DRIVEWAY

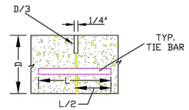


TRAFFIC CIRCLE CURB SECTION

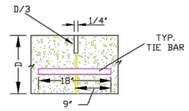
CONTRACTION



SAWED

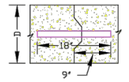


TIED LONGITUDINAL

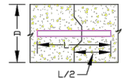


DOWELED TRANSVERSE

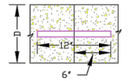
CONSTRUCTION



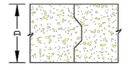
DOWELED TRANSVERSE



TIED LONGITUDINAL

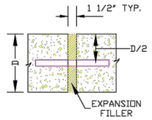


TIED LONGITUDINAL



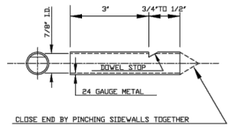
UNTIED

EXPANSION

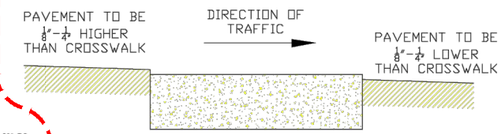


DOWELED TRANSVERSE

ALL JOINTS TO BE SEALED TO KEEP OUT FOREIGN DEBRIS



DOWEL SOCKET DETAIL



CONCRETE CROSSWALK DETAIL

PROJECT No.

LOCATION

RESOLUTION

DATE

CONCRETE-PAVEMENT DETAILS

ENGINEERING DEPT.
City of LaCrosse, Wis.

			BY	DATE
FIELD BOOK	SURVEYED			
	DRAWN	PRELIMINARY		
NUMBER		FINAL		
	CHECKED			
	APPROVED			
PAGE	REVISIONS			01/21

SCALE: NONE

SHEET NO. TOTAL SHEETS

D-1-1 CONCRETE-C&G 2021

D-1-1 Concrete-C&C.dwg

NO.	DATE	REVISIONS	DRAFTED BY	DESIGN BY	CHECKED
–	–	–	–	–	–

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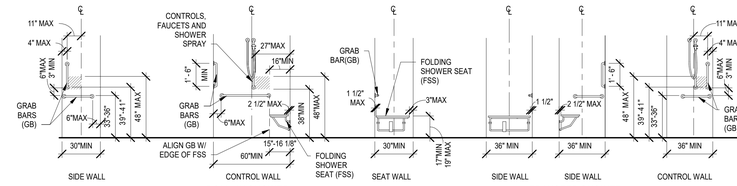
DETAILS

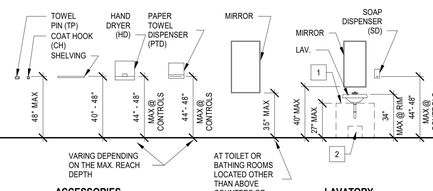
PROJECT
LOT 11 OF RIVER POINT DISTRICT
RYKEY PROPERTIES
RIVER BEND DRIVE
LA CROSSE, WI

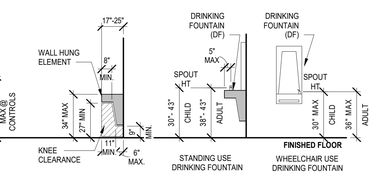
DWG NAME 24052 PG9 DETAILS

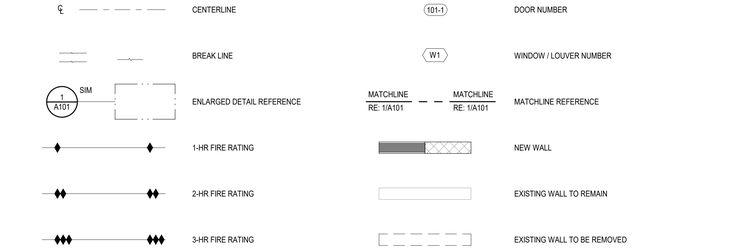
DATE 04/2026

TYP FIXTURE MOUNTING HEIGHTS:

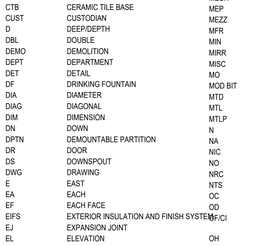


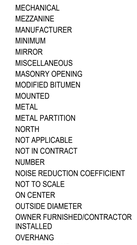


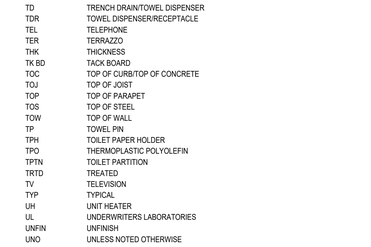












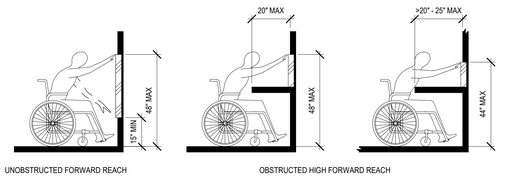
GENERAL NOTES:

1. DIMENSIONS FROM THE FINISHED FLOOR SHALL BE TAKEN FROM THE LEADING EDGE/FACE SHOWN TO ACCOUNT FOR SLOPE IN FLOOR
2. WATER CLOSET HEIGHT IS TO BE MEASURED FROM TOP OF SEAT, SEATS SHALL NOT BE SPRUNG TO RETURN TO THE LIFTED POSITION

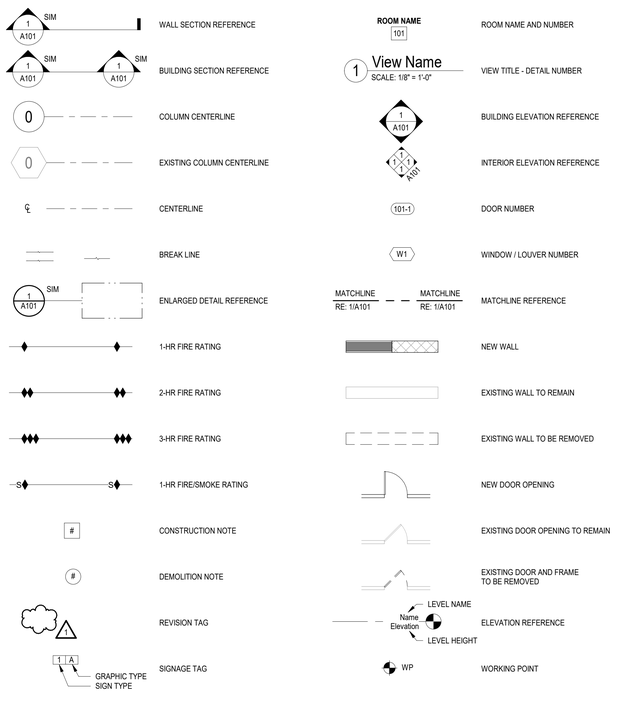
KEYNOTES:

1. 27"HX30"W MIN KNEE CLEARANCE AT FRONT EDGE
2. 9"HX11"D MIN KNEE CLEARANCE DEPTH, FRONT OF LAV TO TRAP (8"H WHEN 27"D MIN) THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED
3. 24"HX30"W MIN KNEE CLEARANCE AT FRONT EDGE

ADA REACH RANGE FIGURES:



DRAWING SYMBOLS:



ABBREVIATIONS

A/C	AIR CONDITION
ACP	ACCOUSTICAL CEILING PANEL
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACCOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJACENT/ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZE
ANT	ANTENNA
AOR	AREA OF REFUGE
APPROX	APPROXIMATELY
ARCH	ARCHITECT
ASSY	ASSEMBLY
AV	AUDIO VISUAL
BD	BOARD
BLDG	BUILDING
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
BUR	BUILT UP ROOFING
C TO C	CENTER TO CENTER
CAB	CABINET
CB	CATCH BASIN
CDCT	CIRCULAR DUCT
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CGFSU	CERAMIC GLAZED STRUCTURAL FACING UNITS
CH	COAT HOOK
CH BD	CHALK BOARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLOS	CLOSURE
CLR	CLEAR
CLRM	CLASSROOM
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CPRS	COMPRESSIBLE
CPT	CARPET
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CUST	CUSTODIAN
D	DEEP/DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ET CETERA
EWC	ELECTRIC WATER COOLER
EXH FN	EXHAUST FAN
EXP	EXPANSION/EXPOSED
EXST	EXISTING
EXT	EXTERIOR
EXTRU	EXTRUSION
F/F	FACE TO FACE
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FACE
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FLR	FINISHED FLOOR
FLASH	FLASHING
FLR	FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FR	FRAME
FRG	FIBER REINFORCED GYPSUM
FSS	FOLDING SHOWER SEAT
FT	FEET/FOOT
FURG	FURRING
G	NATURAL GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GFCI	GROUND FAULT CIRCUIT INERRUPTER
GL	GLASS
GLZ CMU	GLAZED CONCRETE MASONRY UNIT
GYP	GYPSUM
GYP BD	GYPSUM WALLBOARD
H	HIGH
HB	HOSE BIBB
HC	HANDICAP
HD	HAND DRYER
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATING
HPT	HIGH POINT
HS	HOT STACK
HT	HEIGHT
HVAC	HEATING
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INCL	INCLUDED
INSUL	INSULATION
INSUL PNL	INSULATED METAL PANEL
INT	INTERIOR
JAN	JANITOR
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FEET (FOOT)
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNDSCP	LANDSCAPE
LOC	LOCATION
LPT	LOW POINT
LVT	LUXURY VINYL TILE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD BIT	MODIFIED BITUMEN
MTD	MOUNTED
MTL	METAL
MTLP	METAL PARTITION
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OH	OVERHANG
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OS	OCCUPANCY SENSOR
P	PIPE
PCC	PRECAST CONCRETE
PEJ	PREMOLDED EXPANSION JOINT
PERF	PERFORATED
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PORC	PORCELAIN
PP	POWER POLE
PREF	PREFINISH
PREFAB	PREFABRICATE
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS/RISER/THERMAL RESISTANCE
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECPT	RECEPTACLE
REF	REFERENCE/REFRIGERATOR
REINF	REINFORCE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
RFG	ROOFING
RH	ROOF HATCH/RIGHT HAND
RHR	RIGHT HAND REVERSE
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
RR	RAILROAD
RTU	ROOF TOP UNIT
RV	ROOF VENT
S	SOUTH
SA	SUPPLY AIR
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FOOT (FEET)
SHR	SHOWER
SHT	SHEET
SHTHG	SHEATHING
SHV	SHELVING
SIM	SIMILAR
SLNT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SP	STAND PIPE
SP FIN	SPECIAL FINISH
SPEC	SPECIFICATION
SQ	SQUARE
SS	STORM SEWER
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPEND
SV	SHEET VINYL/SMOKE VENT
SYMM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TD	TRENCH DRAIN/TOWEL DISPENSER
TDR	TOWEL DISPENSER/RECEPTACLE
TEL	TELEPHONE
TER	TERRAZZO
THK	THICKNESS
TK BD	TACK BOARD
TOC	TOP OF CURB/TOP OF CONCRETE
TOJ	TOP OF JOIST
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOWEL PIN
TPH	TOILET PAPER HOLDER
TPO	THERMOPLASTIC POLYOLEFIN
TPTN	TOILET PARTITION
TRTD	TREATED
TV	TELEVISION
TYP	TYPICAL
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNFIN	UNFINISH
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENT PIPE
VS	VACANCY SENSOR
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST/WIDE
W/	WITH
W/O	WITHOUT
WBL	WOOD BLOCKING
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WWR	WELDED WIRE REINFORCEMENT

MATERIALS LEGEND:

- FACE BRICK
- CONCRETE MASONRY UNIT
- FOAM PLASTIC BOARD INSULATION
- BLANKET INSULATION
- CONTINUOUS WOOD
- SHIM
- FINISHED WOOD
- GYPSUM BOARD / GROUT
- CONCRETE OR PRECAST CONCRETE
- ACOUSTICAL CEILING TILE OR PANEL
- MASONRY IN ELEVATION
- PLYWOOD
- GRAVEL
- FOAMED IN PLACE INSULATION
- STEEL
- EARTH
- SOLID SURFACE / CAST STONE
- STONE

GENERAL NOTES:

1. THE PROJECT SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND WILL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND GENERAL NOTES. IN CASES, IF ANY, WHERE REQUIREMENTS INDICATED ON THE ARCHITECTURAL DRAWINGS DIFFER FROM THE SPECIFICATIONS, NOTIFY THE ARCHITECT.
2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES CONTAINED IN THE ARCHITECTURAL CONTRACT DOCUMENTS WILL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS EVEN IF NOT EXPLICITLY REFERENCED.
3. DEFICIENT WORK AND/OR WORK NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL REIMBURSE THE PARTIES REQUIRED FOR PERFORMING THE DESIGN SERVICES ARISING FROM DEFICIENT WORK, REVIEW OF MODIFICATIONS/CONTRACTOR SUBSTITUTION, OR EXPEDITING OF SUBMITTALS.
4. COST OF INVESTIGATION AND/OR REDESIGN INCURRED BY THE ARCHITECT DUE TO CONTRACTOR ERRORS WILL BE AT THE CONTRACTOR'S EXPENSE.
5. VERIFY IN THE FIELD (VIF) ALL EXISTING JOB CONDITIONS, REVIEW ALL CONTRACT DRAWINGS, AND VERIFY DIMENSIONS AND ELEVATIONS NOTED IN THE CONTRACT DOCUMENTS PRIOR TO THE START OF WORK.
6. USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE THESE DRAWINGS OR USE DIMENSIONS OBTAINED FROM ELECTRONIC DRAWING OR MODEL FILES, IF PROVIDED.

RyKey PROPERTIES

THE ELEVEN
LA CROSSE, WI



DESIGN DEVELOPMENT

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NO.	REVISIONS	DATE

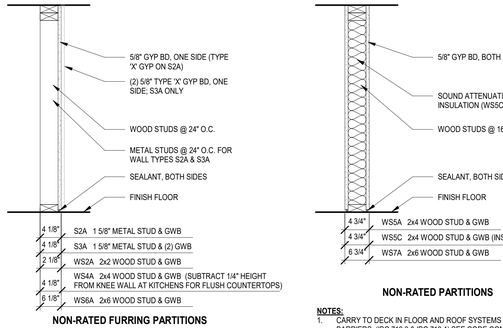
DWG. TITLE

TITLES & SYMBOLS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

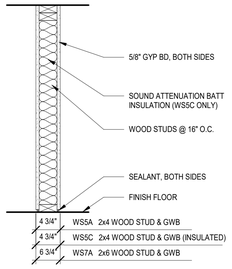
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	

A001



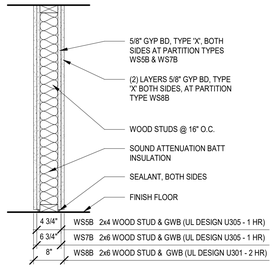
NON-RATED FURRING PARTITIONS

NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.



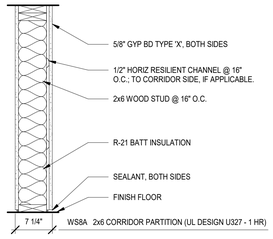
NON-RATED PARTITIONS

NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.
2. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS



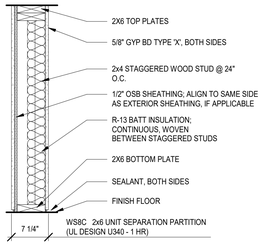
FIRE-RATED PARTITIONS

NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.
2. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS



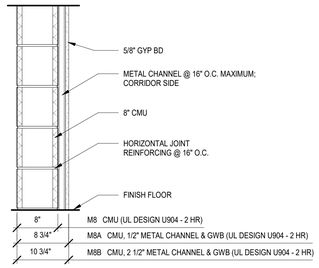
FIRE-RATED CORRIDOR PARTITION
(STC - 51)

NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.
2. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS



FIRE-RATED UNIT SEPARATION PARTITION
(STC - 56 TO 58)

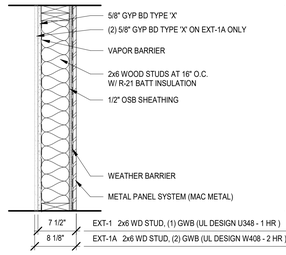
NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.
2. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS



MASONRY PARTITIONS

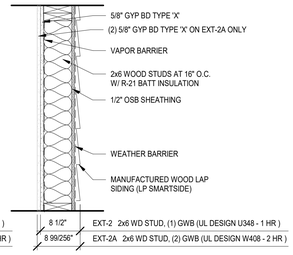
NOTES:
1. CARRY TO DECK IN FLOOR AND ROOF SYSTEMS AT ALL FIRE BARRIERS. (IBC 718.3 & IBC 718.4) SEE CODE COMPLIANCE PLAN FOR FIRE BARRIER LOCATIONS.
2. REFER TO STRUCTURAL FOR ALL REINFORCING AND SHEAR WALL REQUIREMENTS

INTERIOR PARTITION TYPE
SCALE: 1" = 1'-0"



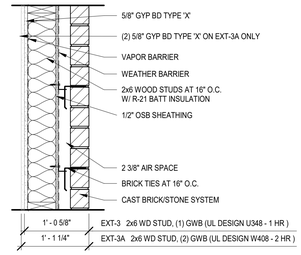
EXTERIOR WALL - EXT - 1

NOTES:
1. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS
2. FOLLOW ALL EXTERIOR FINISH INSTALLATION GUIDES AND DETAILS
3. EXT-1A: TYPE 'X' GYP BOARD TO BE CARRIED TO UNDERSIDE OF FLOOR SHEATHING



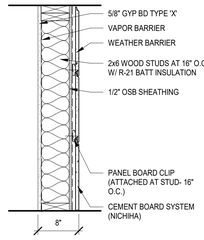
EXTERIOR WALL - EXT - 2

NOTES:
1. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS
2. FOLLOW ALL EXTERIOR FINISH INSTALLATION GUIDES AND DETAILS
3. MAINTAIN 6" CLEARANCE TO FINISH GRADE
4. EXT-2A: TYPE 'X' GYP BOARD TO BE CARRIED TO UNDERSIDE OF FLOOR SHEATHING



EXTERIOR WALL - EXT - 3

NOTES:
1. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS
2. FOLLOW ALL EXTERIOR FINISH INSTALLATION GUIDES AND DETAILS
3. EXT-3A: TYPE 'X' GYP BOARD TO BE CARRIED TO UNDERSIDE OF FLOOR SHEATHING

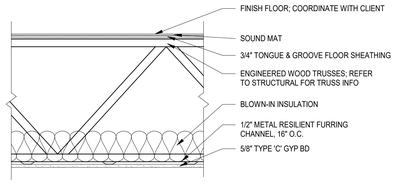


EXTERIOR WALL - EXT - 4

UL DESIGN U348 - 1 HR

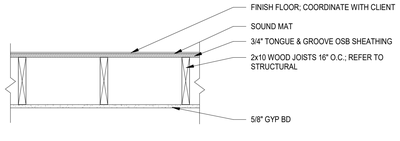
NOTES:
1. REFER TO STRUCTURAL FOR ALL STUD FRAMING AND SHEAR WALL REQUIREMENTS
2. FOLLOW ALL EXTERIOR FINISH INSTALLATION GUIDES AND DETAILS

EXTERIOR PARTITION TYPE
SCALE: 1" = 1'-0"

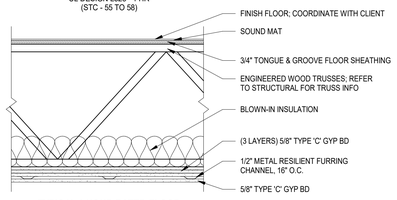


TYPICAL 1 HOUR RATED FLOOR SYSTEM - ENGINEERED TRUSS (F-1)

UL DESIGN L528 - 1 HR
(STC - 55 TO 58)



TYPICAL FLOOR SYSTEM @ STAIR TOWER - 2x JOIST (F-2)



TYPICAL 2 HOUR RATED FLOOR SYSTEM - ENGINEERED TRUSS (F-3)

GA FC 5751 - 2 HR
(STC - 60 TO 63)

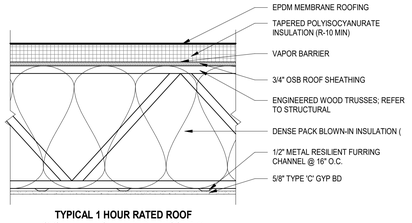
Exterior Material Takeoff

MATERIAL NAME	MATERIAL AREA	% OF FACADE
1/2" OSB SHEATHING (EXT)	27711 SF	
8" CMU (EXT)	3649 SF	
COUNTY MATERIAL SMOOTH FACE DOT BLOCK - CREAM (EXT)	1173 SF	
LP Smartside Vertical Grooved-Panel Cedar Texture - Diamond Kote ONYX (EXT)	11909 SF	
Nichiha Miraia Snow (EXT)	13539 SF	
Pac Clad Horizontal Flush Panels - Bone White (EXT)	28 SF	
Pac Clad Horizontal Flush Panels - Matte Black (EXT)	6907 SF	

Interior Wall Material Takeoff

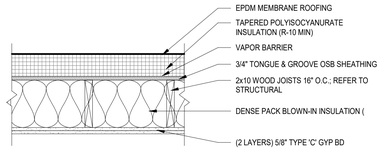
Material: Name	Material: Area	Comments
5/8" GYPSUM WALL BOARD-NON RATED (INT)	127820 SF	
5/8" TYPE 'X' GYPSUM WALL BOARD (INT)	96452 SF	

FLOOR SYSTEM ASSEMBLIES
SCALE: 1" = 1'-0"



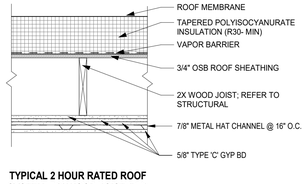
TYPICAL 1 HOUR RATED ROOF SYSTEM - ENGINEERED TRUSS (R-1)

UL DESIGN L528 - 1 HR
(STC - 55 TO 58)



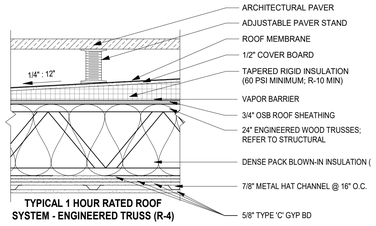
TYPICAL 1 HOUR RATED ROOF SYSTEM - 2x JOIST (R-2)

GA FC 5406 - 1 HR



TYPICAL 2 HOUR RATED ROOF SYSTEM - 2X WOOD JOIST (R-3)

UL L556 - 2 HR



TYPICAL 1 HOUR RATED ROOF SYSTEM - ENGINEERED TRUSS (R-4)

UL DESIGN L528 - 1 HR
(STC - 55 TO 58)

ROOF SYSTEM ASSEMBLIES
SCALE: 1" = 1'-0"

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NO.	REVISIONS	DATE

DWG. TITLE

PARTITION, FLOOR, AND ROOF SYSTEMS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	05/01/2026
SCALE	1" = 1'-0"
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	

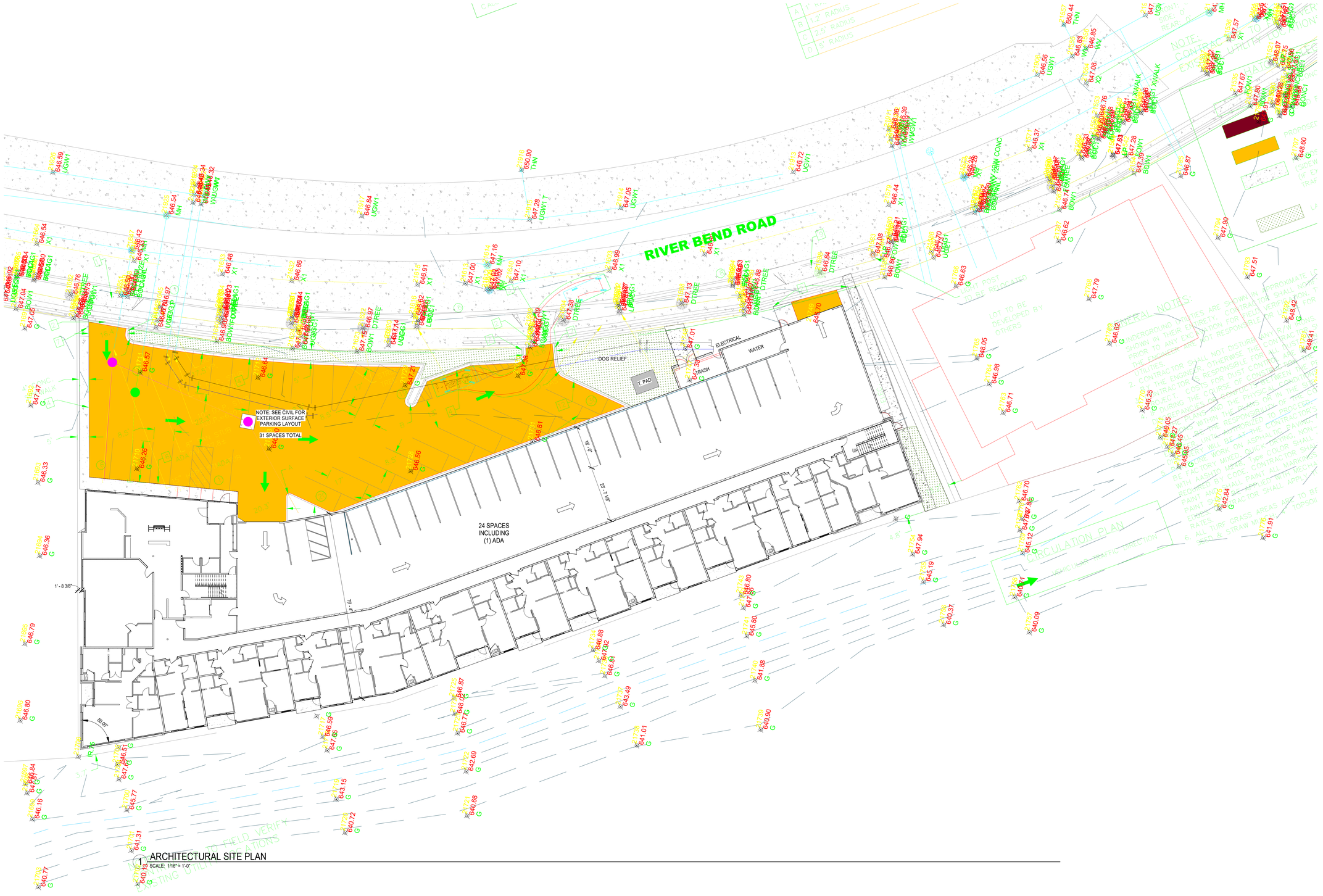
A005

PARKING BREAKDOWN
- GARAGE STALLS - 24 (INCLUDING 1 ADA)
- LOT STALLS - 31 (INCLUDING 2 ADA)

TOTAL PARKING - 55 STALLS (INDLUDING 3 ADA)

GENERAL ARCHITECTURAL SITE PLAN

- SEE CIVIL AND LANDSCAPE ARCHITECTURE PLANS FOR SITE DETAILS & INFORMATION



ARCHITECTURAL SITE PLAN
SCALE: 1/16" = 1'-0"

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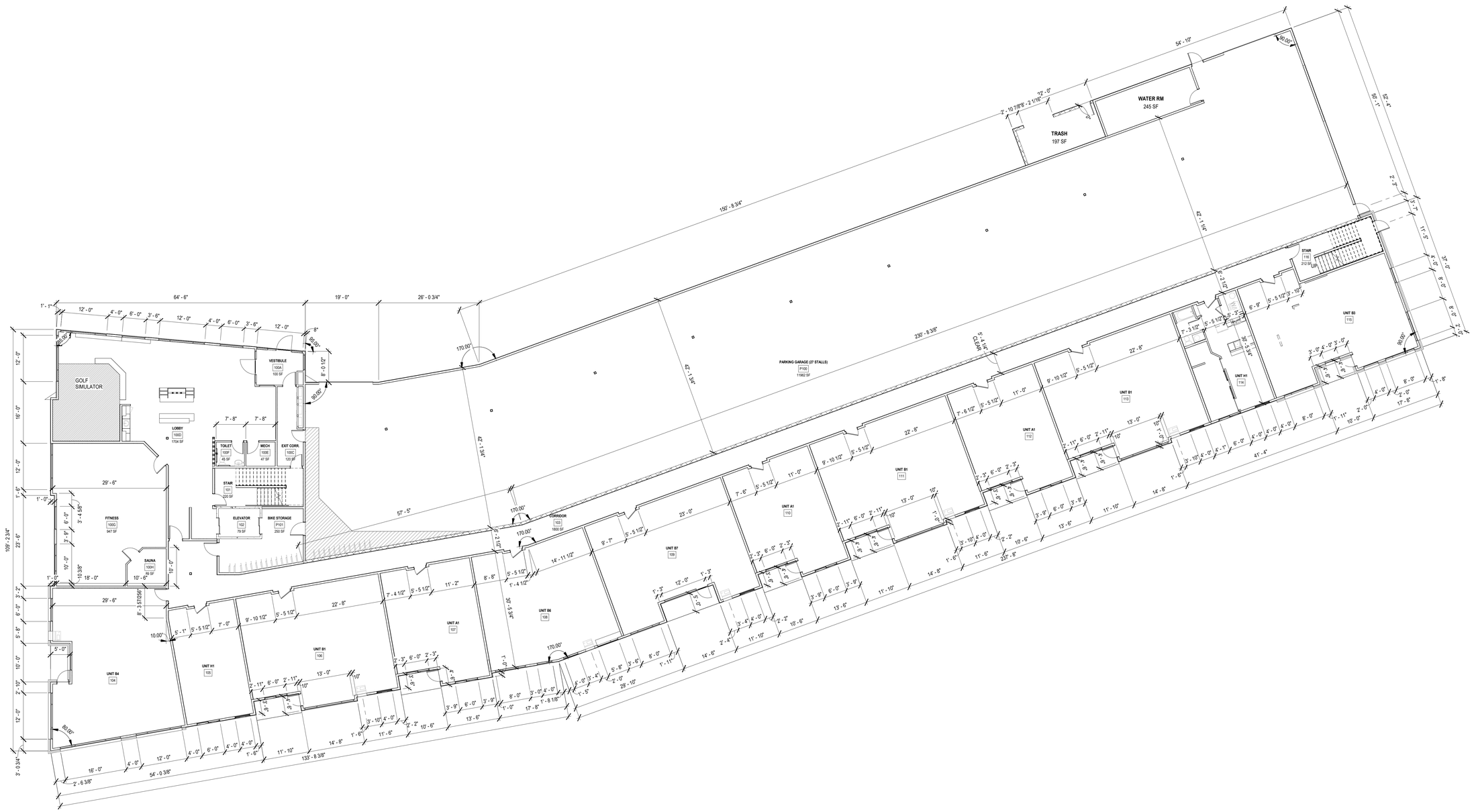
DWG. TITLE
ARCHITECTURAL SITE PLAN

GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	A100

GENERAL CONSTRUCTION NOTES:

- INTERIOR DIMENSIONS:
  - FACE OF STUD FRAMING OR MASONRY, UNLESS OTHERWISE NOTED.
- EXTERIOR DIMENSIONS:
  - STUD WALLS: EXTERIOR FACE OF SHEATHING.
  - CMU WALLS: EXTERIOR FACE OF CMU
- GLAZING DIMENSIONS:
  - WINDOW: CENTERLINE OF WINDOW
  - WINDOW WALL / CURTAIN WALL: OPENING WIDTH
- DOOR DIMENSIONS:
  - INTERIOR DOOR: CENTERLINE OF DOOR
  - EXTERIOR DOOR: OPENING WIDTH
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- SEE SHEETS A201 - A202 FOR ENLARGED UNIT PLANS.
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- PROVIDE ALL PENETRATIONS INTO FIRE-RATED WALL & CEILING ASSEMBLIES WITH JOINT FIRESTOPPING MATERIAL AS REQUIRED



1 FIRST LEVEL DIMENSION PLAN
SCALE: 3/32" = 1'-0"

N

RyKey PROPERTIES

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LA CROSSE, WI

DESIGN DEVELOPMENT

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NO.	REVISIONS	DATE

DWG. TITLE

FIRST LEVEL DIMENSION PLAN

0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	

A101

GENERAL CONSTRUCTION NOTES:

- INTERIOR DIMENSIONS:
  - FACE OF STUD FRAMING OR MASONRY, UNLESS OTHERWISE NOTED.
- EXTERIOR DIMENSIONS:
  - STUD WALLS: EXTERIOR FACE OF SHEATHING.
  - CMU WALLS: EXTERIOR FACE OF CMU
- GLAZING DIMENSIONS:
  - WINDOW: CENTERLINE OF WINDOW
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1 SECOND LEVEL DIMENSION PLAN
SCALE: 3/32" = 1'-0"

N

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NO.	REVISIONS	DATE

DWG. TITLE

SECOND LEVEL DIMENSION PLAN

GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	

A102

GENERAL CONSTRUCTION NOTES:

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1 THIRD LEVEL DIMENSION PLAN
SCALE: 3/32" = 1'-0"

N

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DWG. TITLE

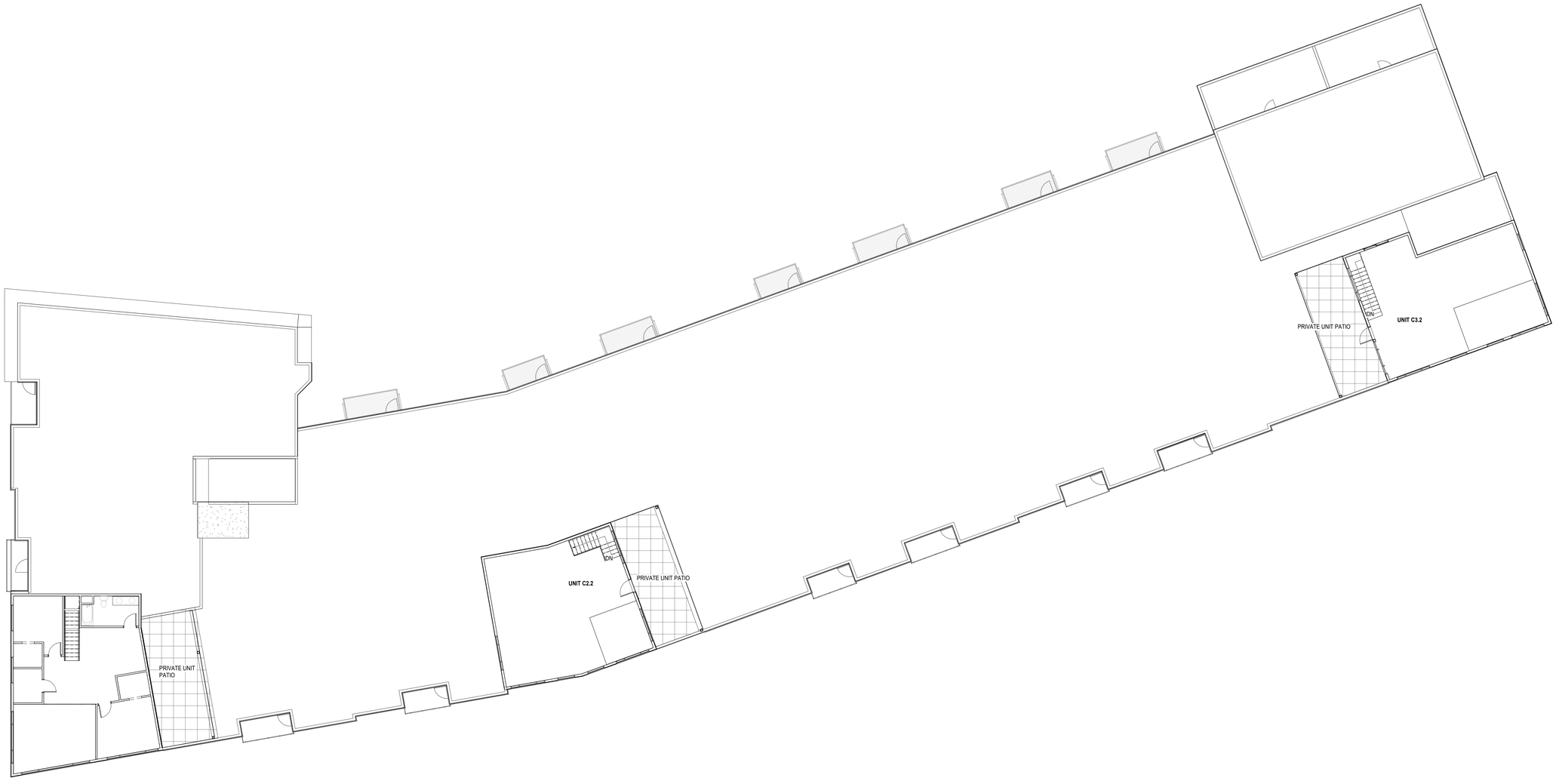
THIRD LEVEL DIMENSION PLAN

0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	**A103**

GENERAL CONSTRUCTION NOTES:

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1 LOFT LEVEL DIMENSION PLAN
SCALE: 3/32" = 1'-0"

N

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NO.	REVISIONS	DATE

DWG. TITLE

LOFT LEVEL DIMENSION PLAN

0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	

A104

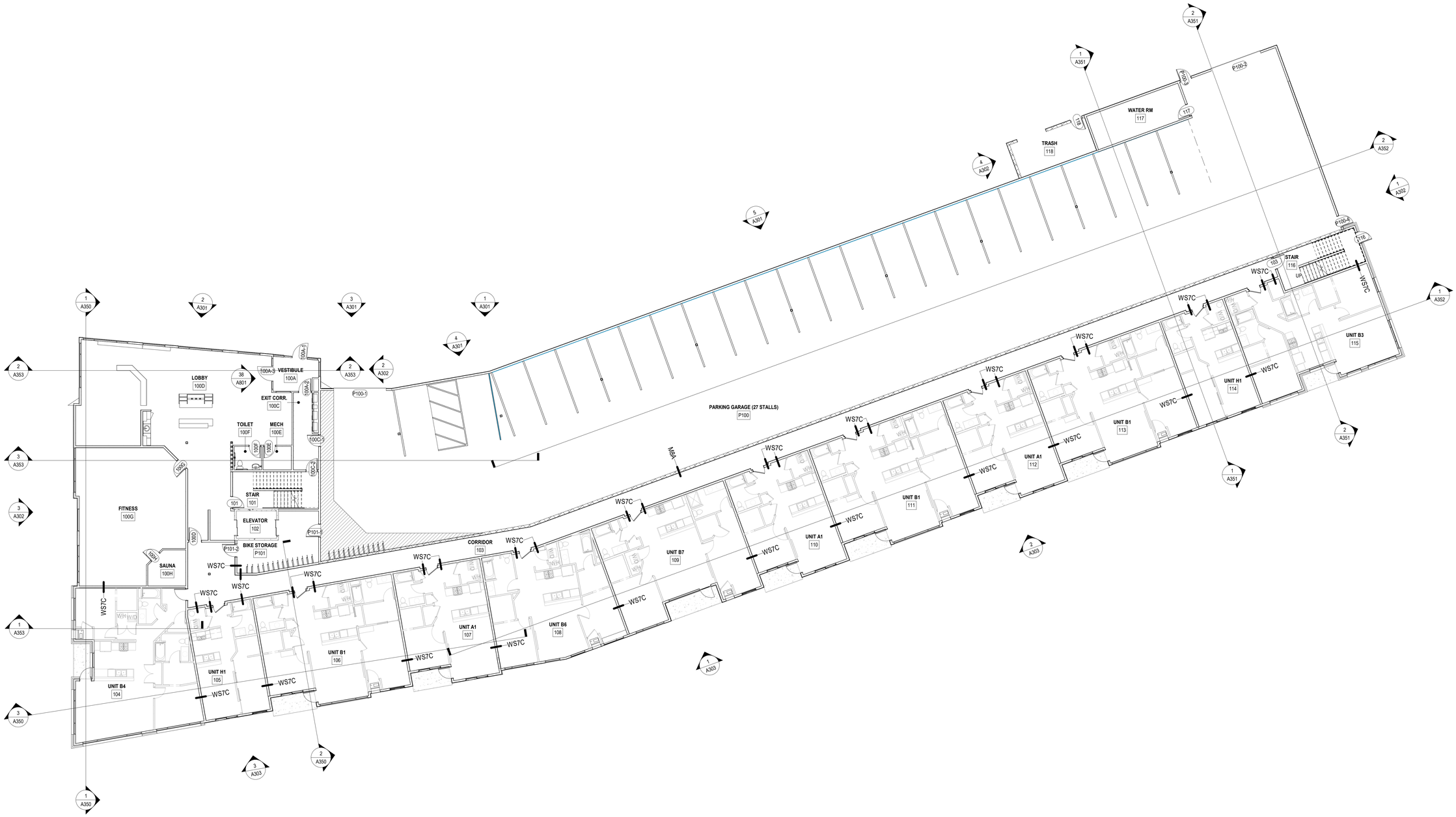
60 TOTAL UNITS THROUGHOUT

FIRST LEVEL - UNIT BREAKDOWN
- HYBRID - 2
- ONE BED - 3
- TWO BED - 7

12 TOTAL UNITS

GENERAL CONSTRUCTION NOTES:

- WOOD BLOCKING
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1 FIRST LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

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DWG. TITLE

FIRST LEVEL FLOOR PLAN

0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
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CHK.	JP2
PROJ. No.	614007
DWG. No.	**A105**

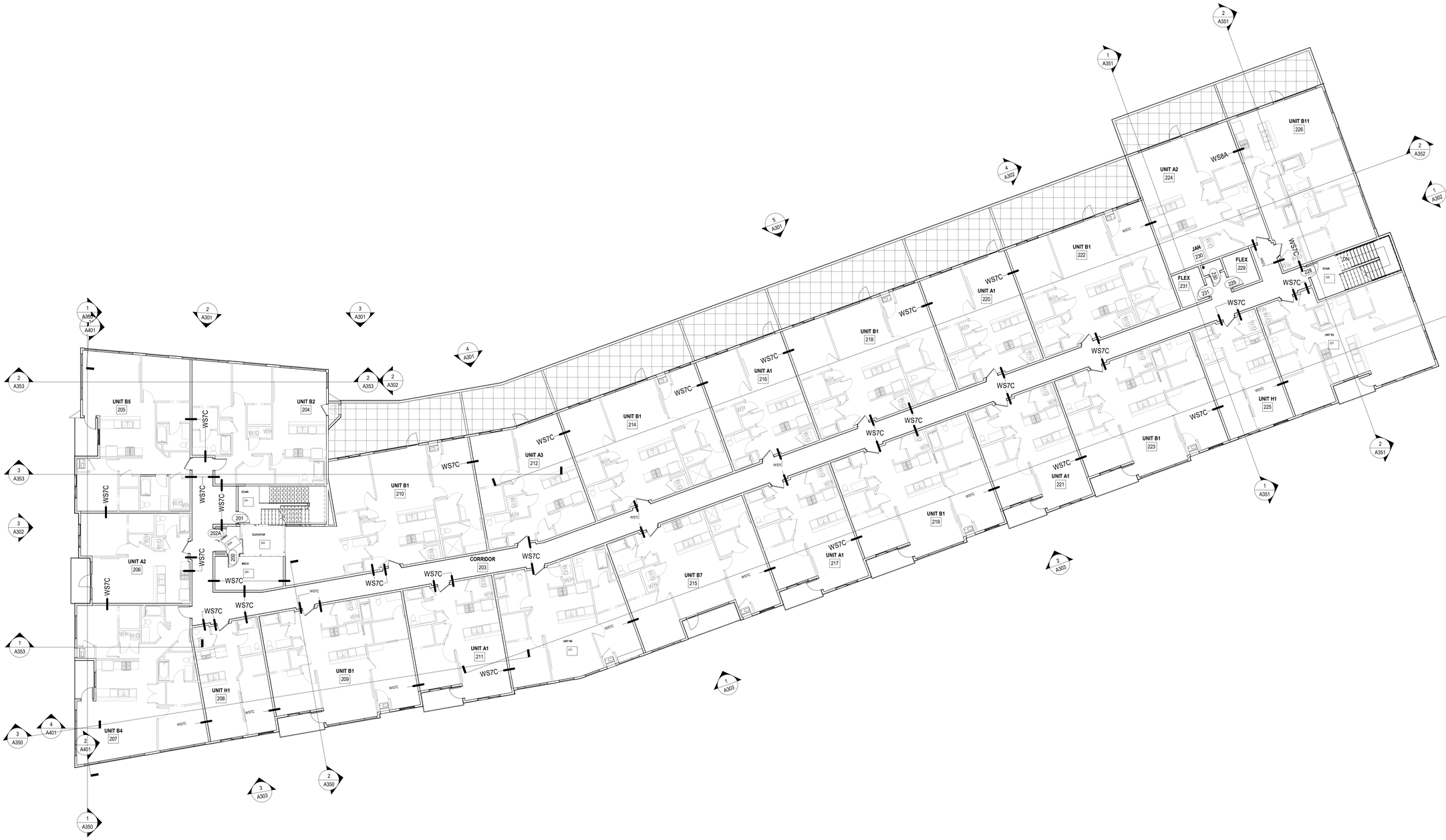
SECOND LEVEL - UNIT BREAKDOWN

- HYBRID - 2
- ONE BED - 8
- TWO BED - 14

24 UNITS TOTAL

GENERAL CONSTRUCTION NOTES:

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1 SECOND LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

N

GENERIC SCALE BAR
0 1" 2"
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

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NO.	REVISIONS	DATE

DWG. TITLE
SECOND LEVEL FLOOR PLAN

DATE	05/01/2026
SCALE	As indicated
DWN.	MCS / TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	**A106**

THIRD LEVEL - UNIT BREAKDOWN

- HYBRID - 2
- ONE BED - 7
- TWO BED - 13
- THREE BED - 2 LOFTS

24 UNITS TOTAL

GENERAL CONSTRUCTION NOTES:

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1 THIRD LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

N

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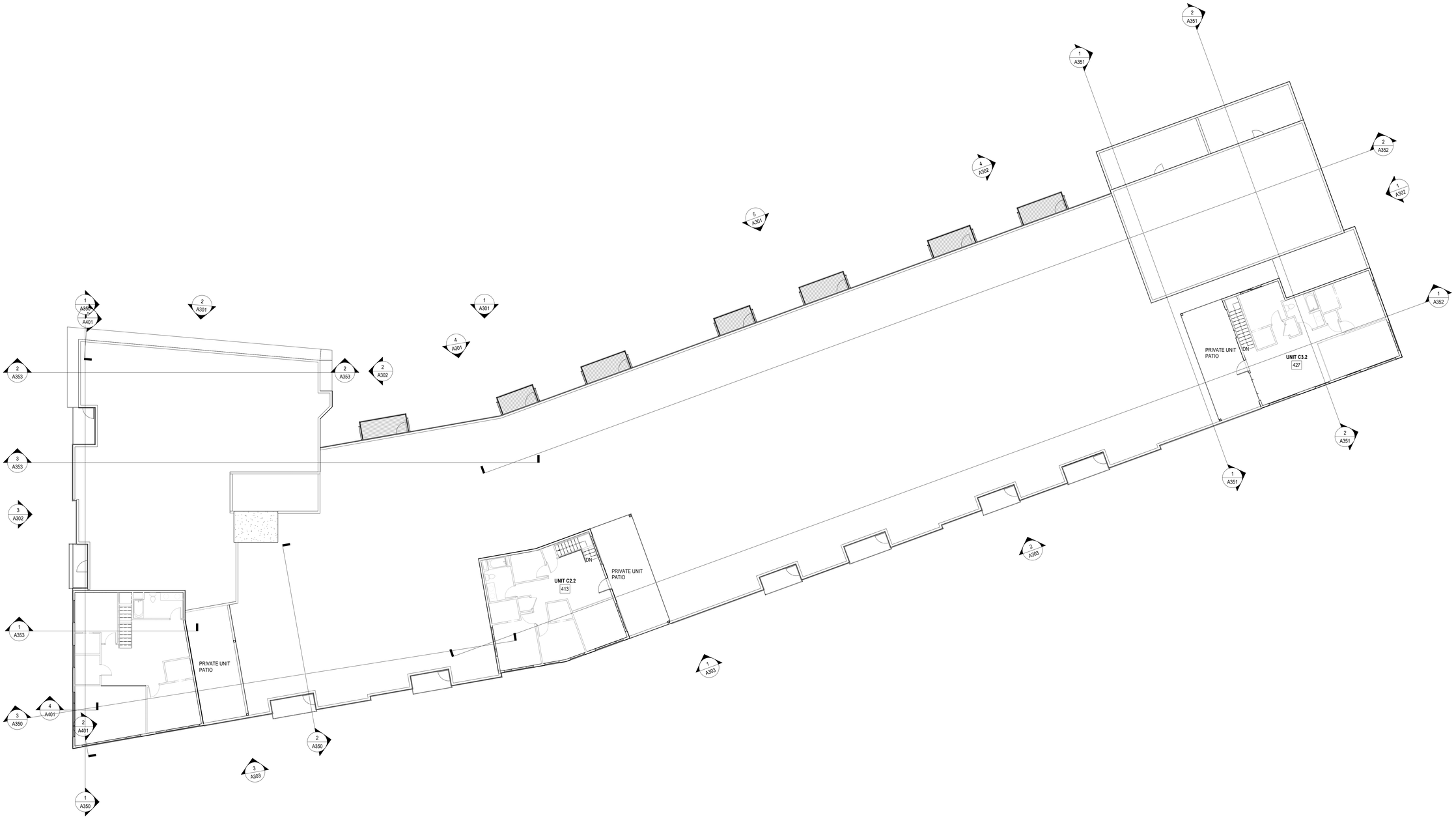
THIRD LEVEL FLOOR PLAN

0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As Indicated
DWN.	MCS / TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	**A107**

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NO.	REVISIONS	DATE

DWG. TITLE

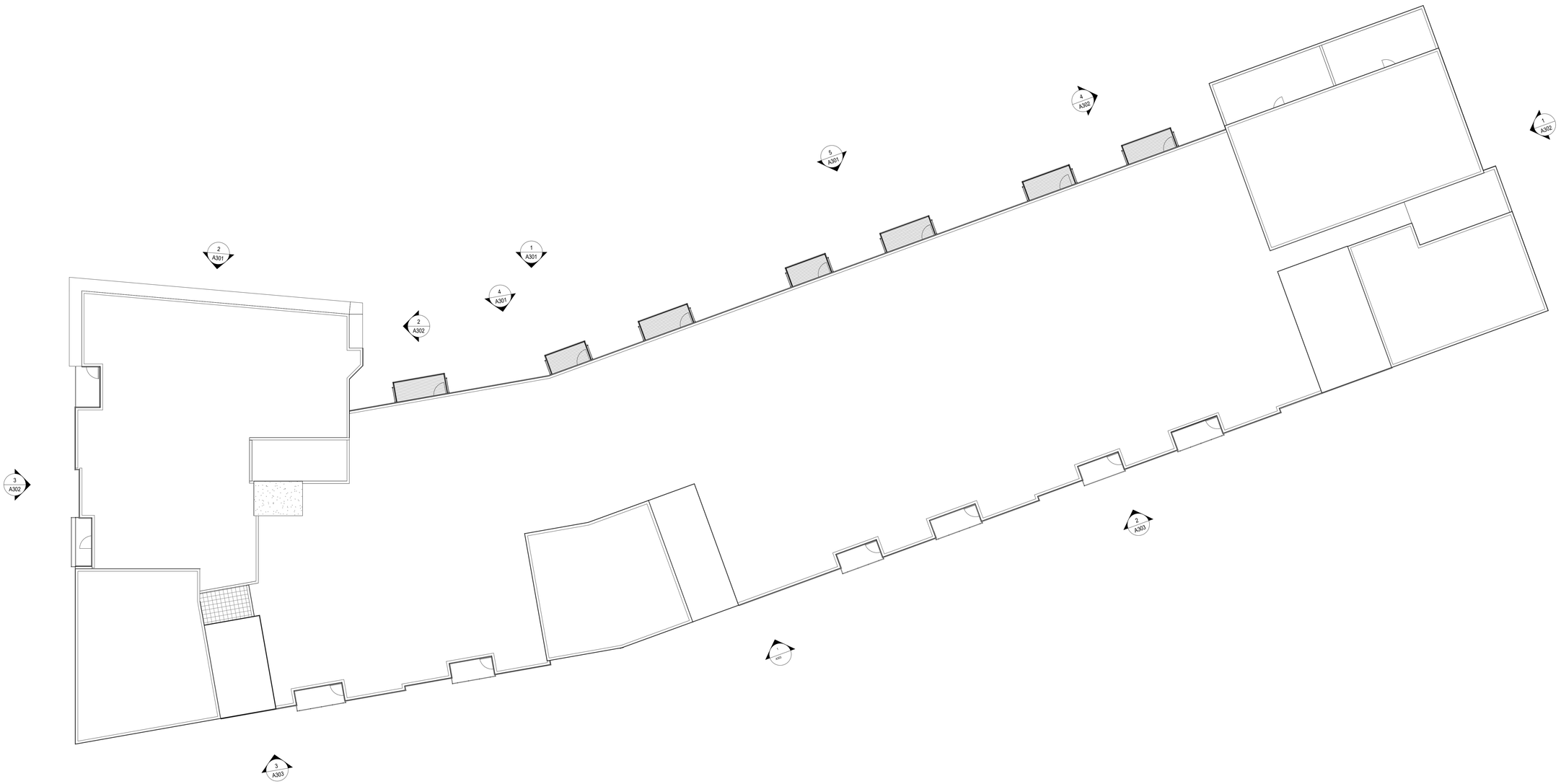
LOFT LEVEL FLOOR PLAN

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	A108

GENERAL ROOF PLAN NOTES:

- VERIFY ALL MECHANICAL AND PLUMBING ROOF PENETRATIONS, SIZES AND LOCATIONS WITH MECHANICAL AND PLUMBING PLAN. COORDINATE AND FLASH ALL OPENINGS THROUGH ROOF SYSTEM. ALL CURBS BY GENERAL CONTRACTOR.
- PROVIDE A 1/4"/FT SLOPE MINIMUM THROUGHOUT, UNO.
- PROVIDE POSITIVE DRAINAGE AT ALL ROOF PENETRATIONS AND CURBS
- CONTRACTOR PROHIBITED FROM OVERLOADING EXISTING ROOF STRUCTURE OR CREATE POINT LOADS FROM STORED MATERIALS ON THE ROOF.
- SEE STRUCTURAL FOR SOLAR PANEL BALLAST LOCATIONS
- MAINTAIN ROOF DRAINS IN FUNCTIONING CONDITION TO ENSURE ROOF DRAINAGE AT THE END OF EACH WORK DAY. PREVENT DEBRIS FROM ENTERING OR BLOCKING ROOF DRAINS. IF ROOF DRAINS WILL BE TEMPORARILY BLOCKED OR UNSERVICEABLE DUE TO ROOF SYSTEM OPERATIONS, PROVIDE ALTERNATIVE DRAINAGE METHOD TO REMOVE WATER AND ELIMINATE PONDING



1 ROOF PLAN
SCALE: 3/32" = 1'-0"

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DWG. TITLE

ROOF PLAN

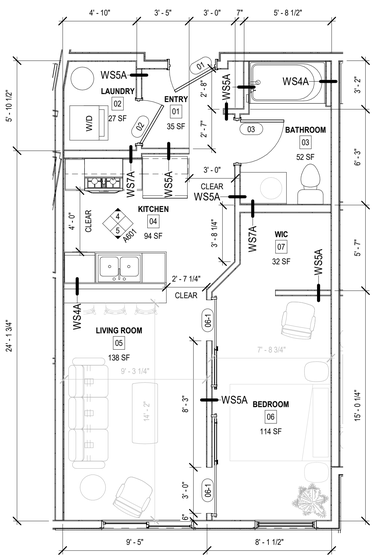
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PROJ. No.	614007
DWG. No.	

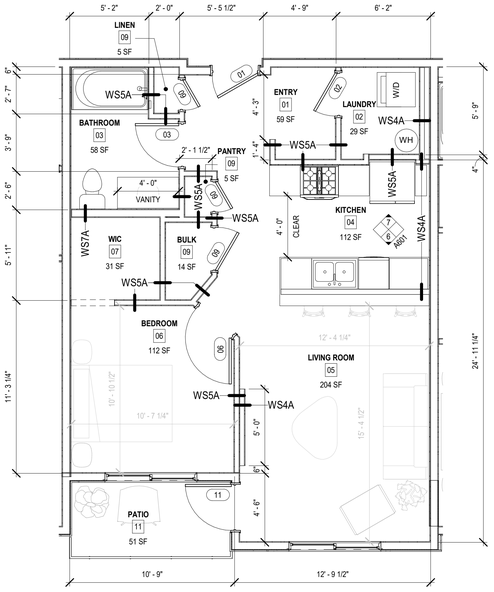
A150

GENERAL CONSTRUCTION NOTES:

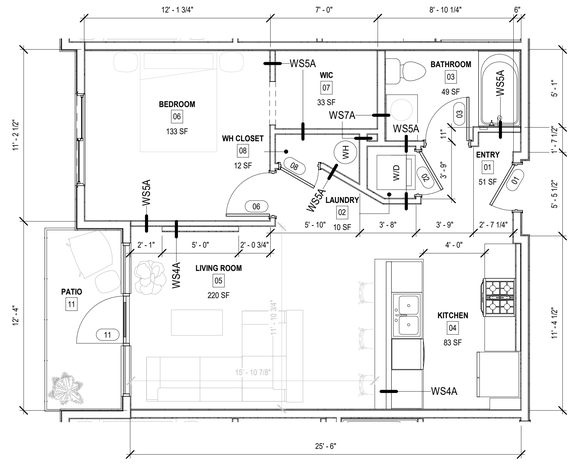
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  - PROVIDE SOLID BLOCKING FOR WALL AND SOFFIT MOUNTED PRODUCTS AS INDICATED ON DRAWINGS.
- SEE SHEETS A201 - A202 FOR ENLARGED UNIT PLANS
- REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF COLUMNS.
- SEE CODE PLANS FOR LOCATIONS OF FIRE-RATED CONSTRUCTION.
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- PROVIDE ALL PENETRATIONS INTO FIRE-RATED WALL & CEILING ASSEMBLIES WITH JOINT FIRESTOPPING MATERIAL AS REQUIRED



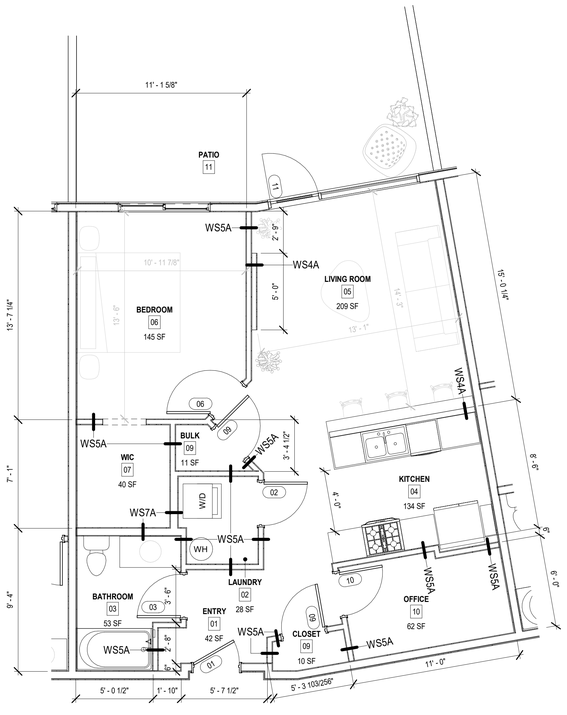
3 UNIT H1 (517 SF) - 6 UNITS TOTAL
SCALE: 1/4" = 1'-0"



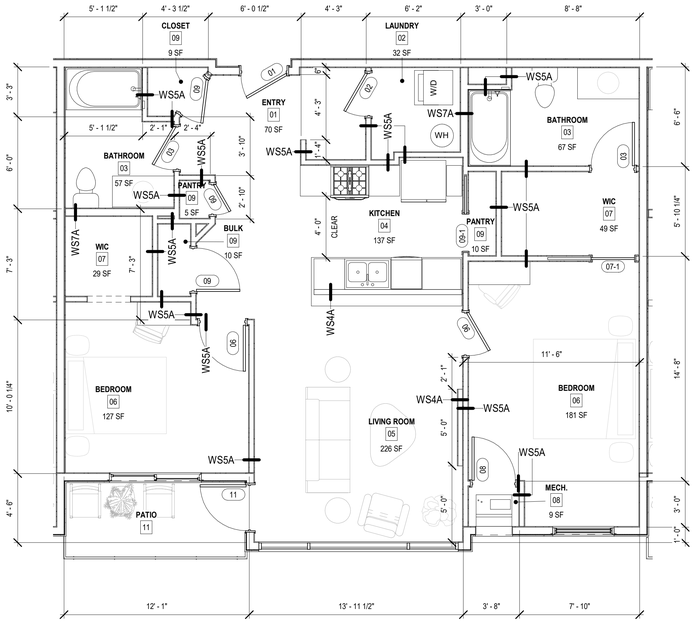
1 UNIT A1 (631 SF) - 13 UNITS TOTAL
SCALE: 1/4" = 1'-0"



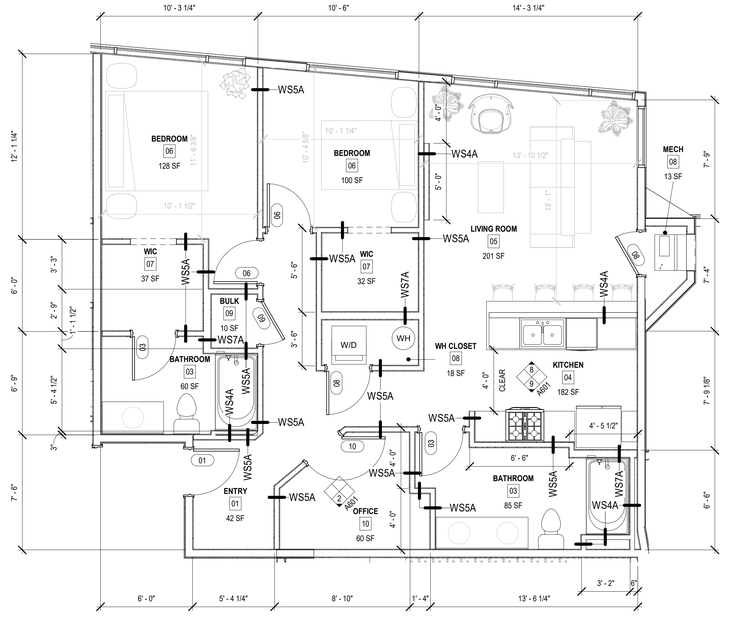
4 UNIT A2 (625 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"



5 UNIT A3 (779 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"



2 UNIT B1 (1071 SF) - 17 UNITS TOTAL
SCALE: 1/4" = 1'-0"



6 UNIT B2 (967 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"

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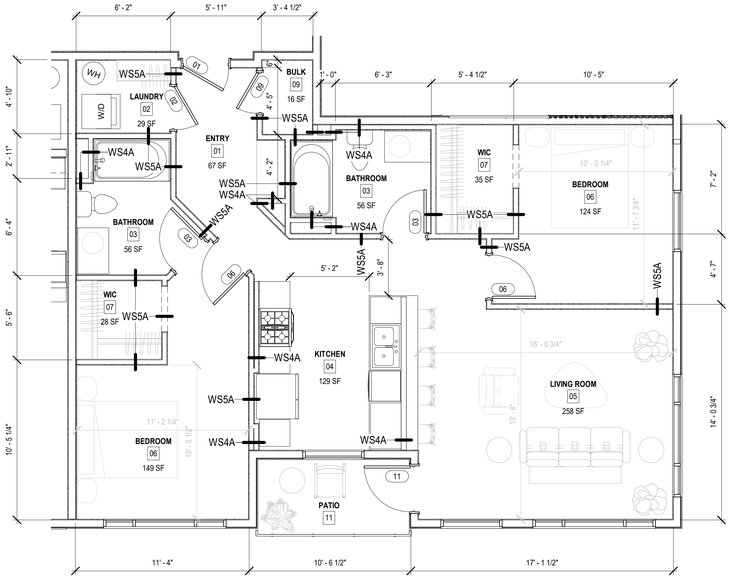
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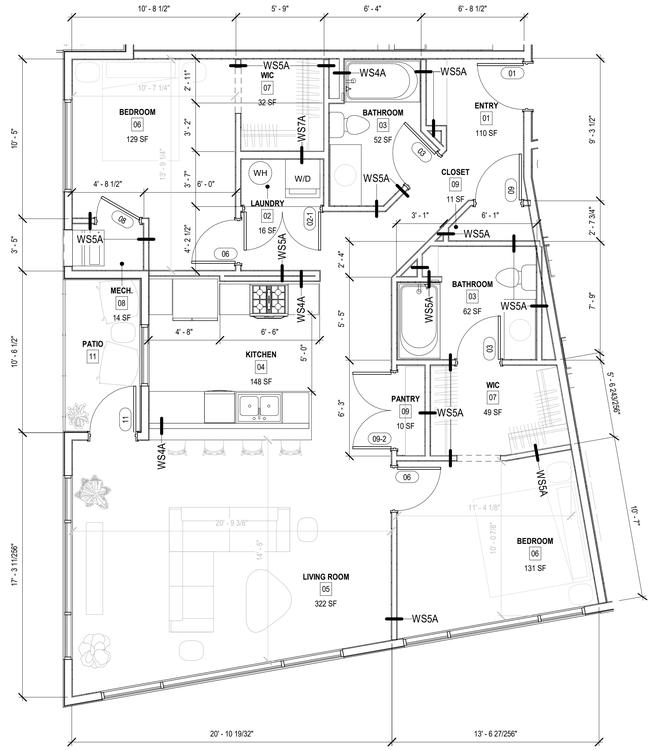
DWG. TITLE
ENLARGED UNIT PLANS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

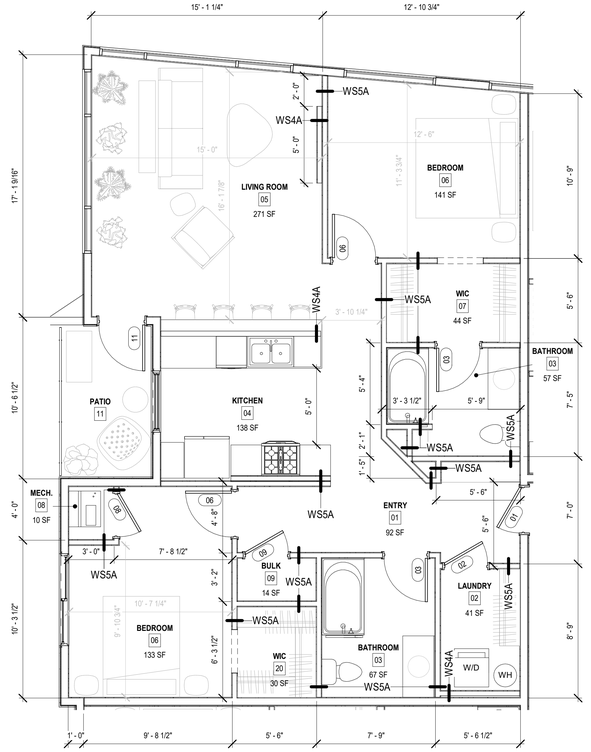
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS / TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	**A200**



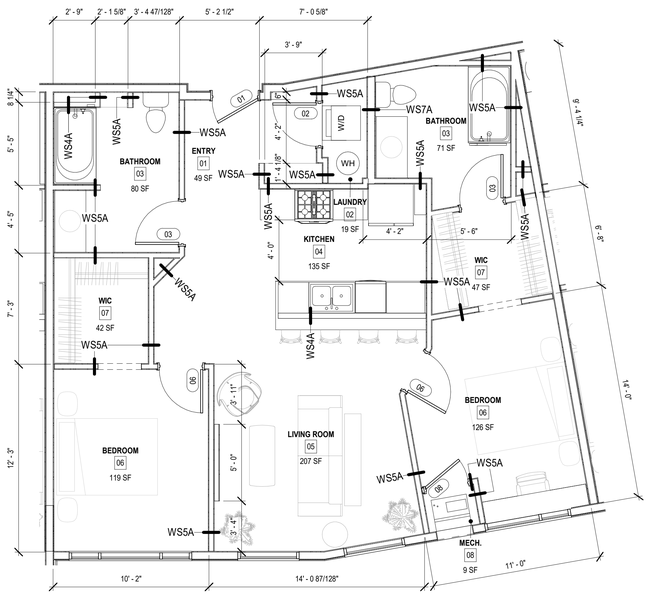
3 UNIT B3 (967 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"



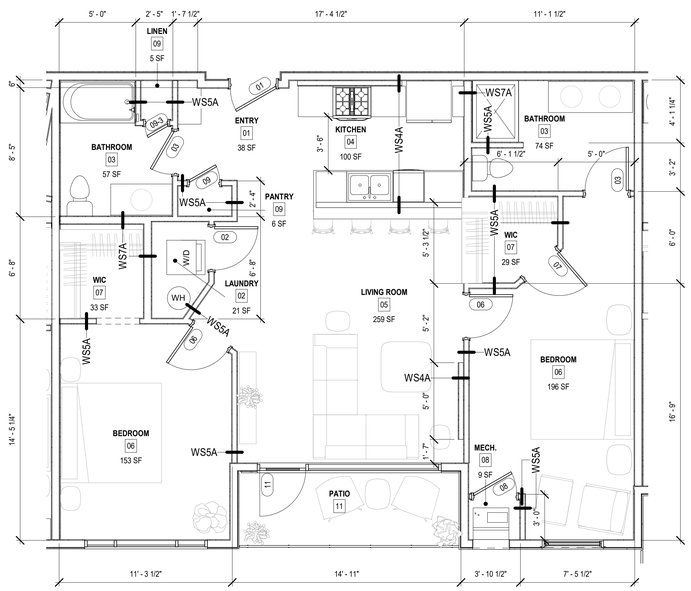
4 UNIT B4 (1149 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"



2 UNIT B5 (1119 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"



5 UNIT B6 (971 SF) - 2 UNITS TOTAL UNIT TO BE TYPE 'A' ADA UNIT (Conversion in progress.)
SCALE: 1/4" = 1'-0"



6 UNIT B7 (1,038 SF) - 2 UNITS TOTAL
SCALE: 1/4" = 1'-0"

GENERAL CONSTRUCTION NOTES:

- WOOD BLOCKING
  - PROVIDE SOLID BLOCKING FOR WALL AND SOFFIT MOUNTED PRODUCTS AS INDICATED ON DRAWINGS.
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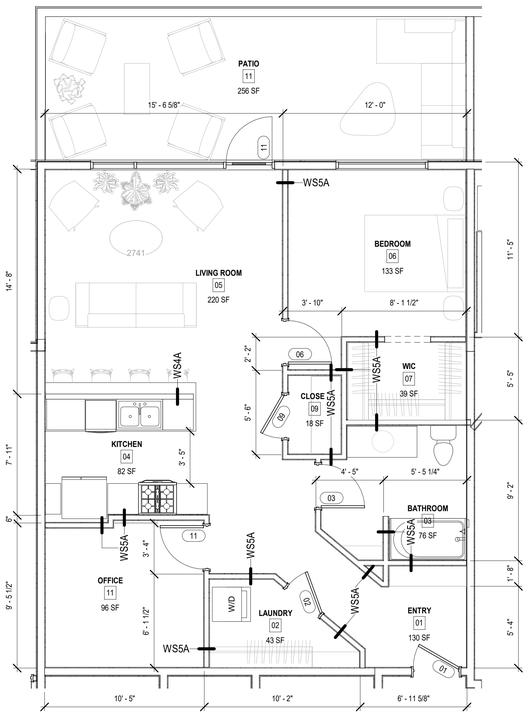
NO.	REVISIONS	DATE

DWG. TITLE
ENLARGED UNIT PLANS

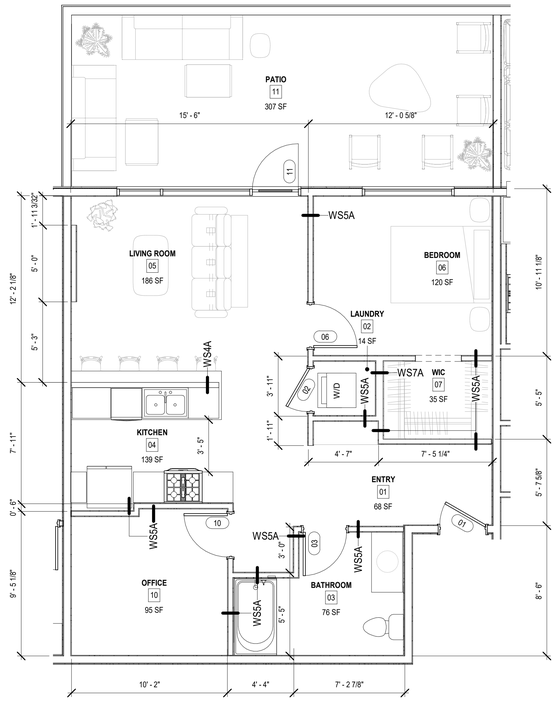
0 1" 2"
GENERIC SCALE BAR
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DATE	05/01/2026
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CHK.	JP2
PROJ. No.	614007
DWG. No.	

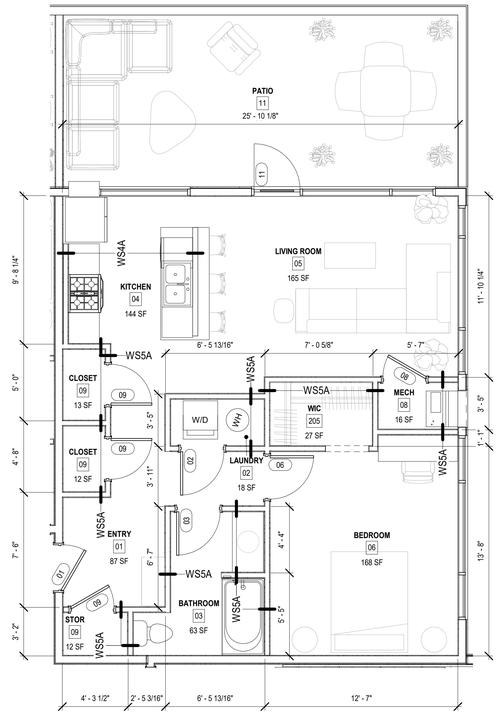
A201



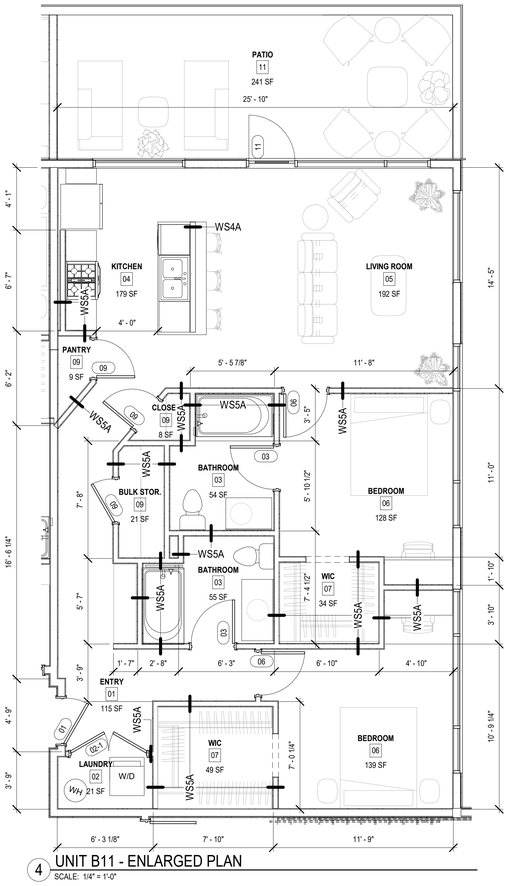
1 UNIT A4 (888 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



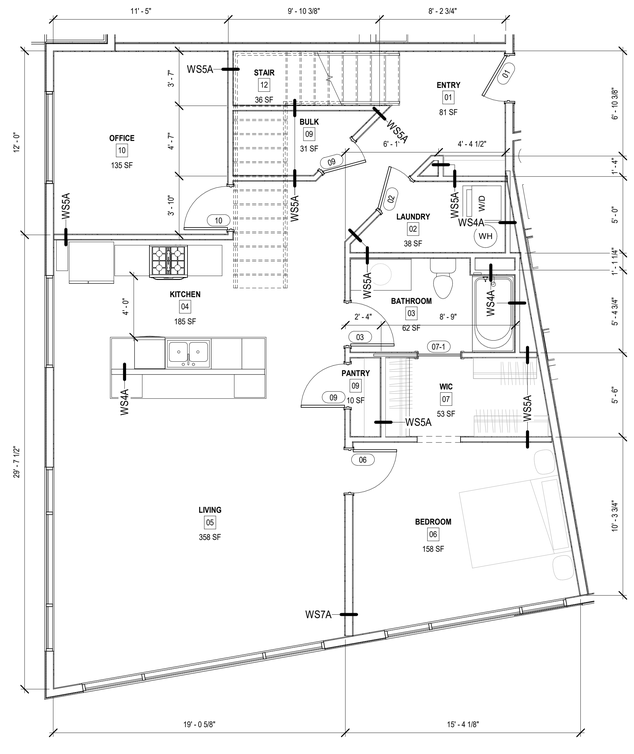
2 UNIT A5 (797 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



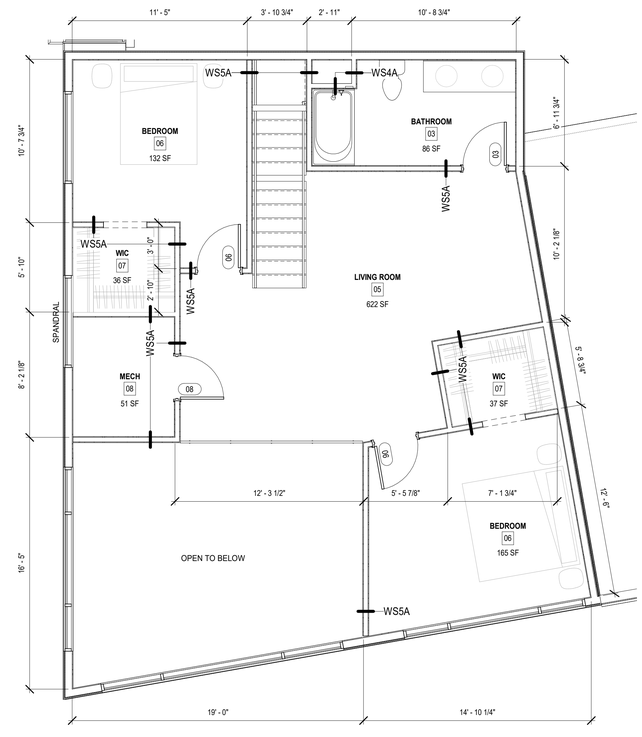
3 UNIT A6 (795 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



4 UNIT B11 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



5 UNIT C1.1 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



6 UNIT C1.2 - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

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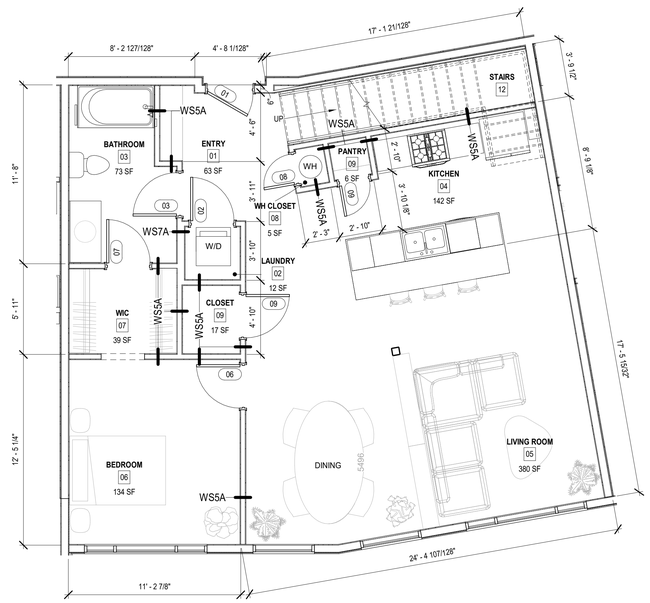
DWG. TITLE
ENLARGED UNIT PLANS

GENERIC SCALE BAR
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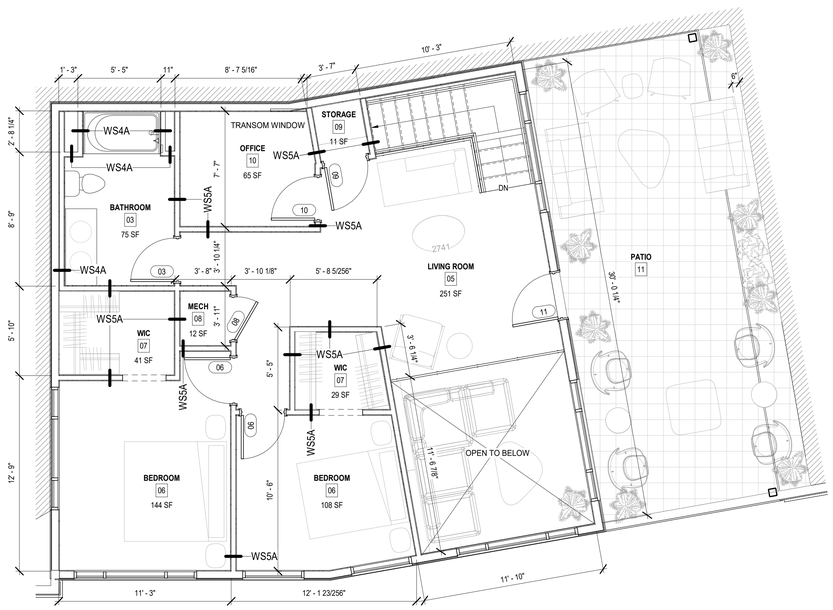
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS / TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	A202

GENERAL CONSTRUCTION NOTES:

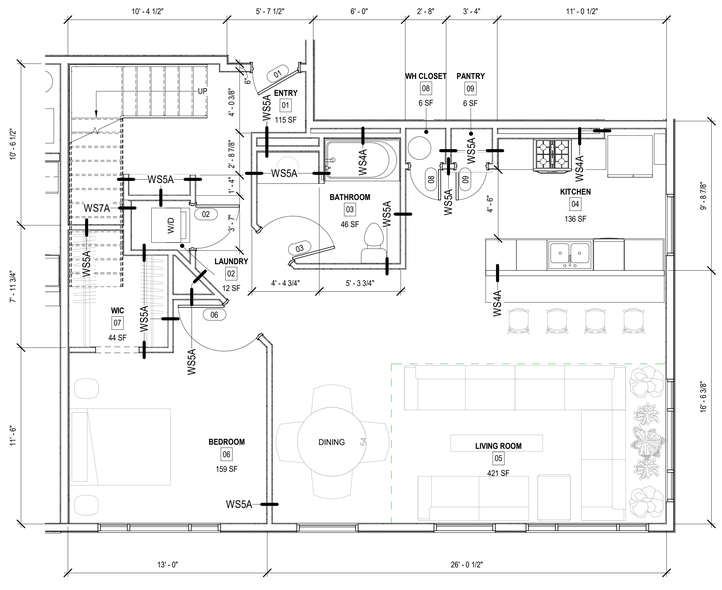
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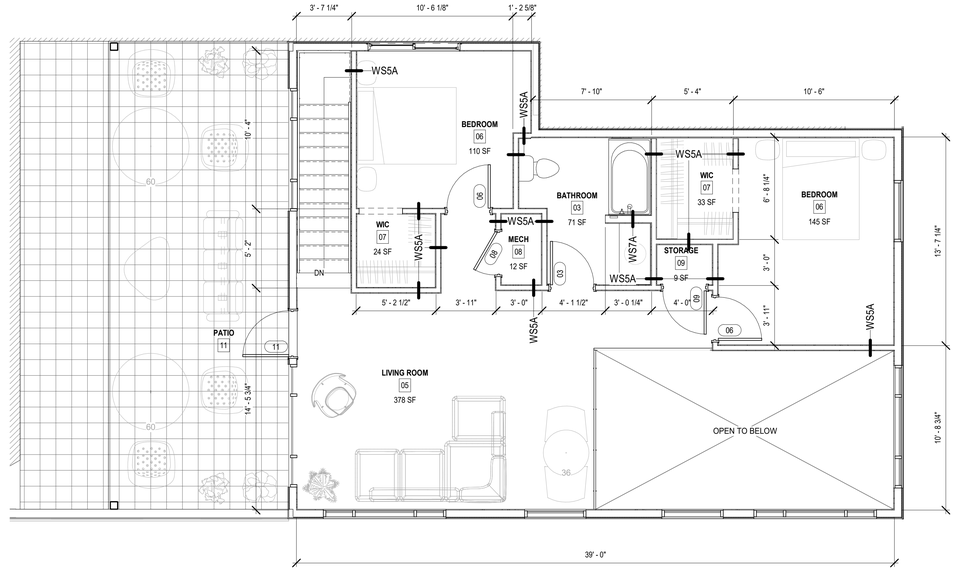
1 UNIT C2.1 - LOFTED UNIT @ BEND - LOWER LEVEL (970 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



2 UNIT C2.2 LOFTED UNIT @ BEND - LOFT LEVEL (702 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



3 UNIT C3.1 -LOFTED UNIT @ CORNER - LOWER LEVEL (1,021 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"



4 UNIT C3.2 LOFTED UNIT @CORNER - LOFT LEVEL (1,024 SF) - 1 UNIT TOTAL
SCALE: 1/4" = 1'-0"

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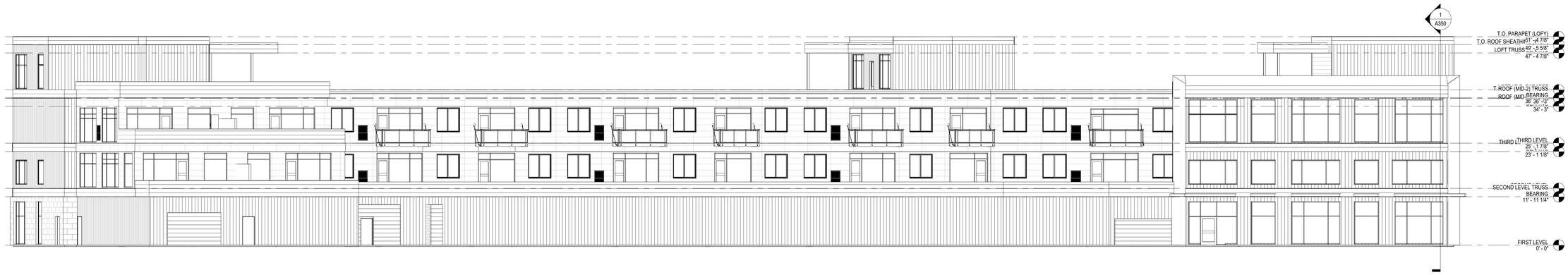
NO.	REVISIONS	DATE

DWG. TITLE

ENLARGED UNIT PLANS

GENERIC SCALE BAR
0 1" 2"
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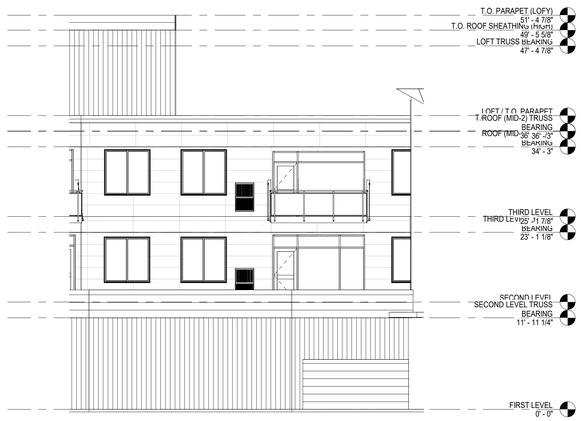
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS / TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	A203



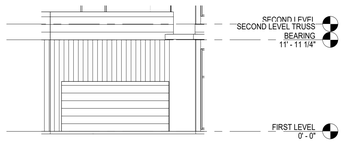
1 EXTERIOR ELEVATION 1
SCALE: 3/32" = 1'-0"

GENERAL ELEVATION NOTES:

- REFER TO EXTERIOR FACADE MATERIAL MANUFACTURER FOR INSTALLATION & CONTROL JOINT DETAILS



4 EXTERIOR ELEVATION 1.3
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION 1.2
SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION 1.1
SCALE: 1/8" = 1'-0"



5 EXTERIOR ELEVATION 1.4
SCALE: 1/8" = 1'-0"

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NO.	REVISIONS	DATE

DWG. TITLE

EXTERIOR ELEVATIONS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	

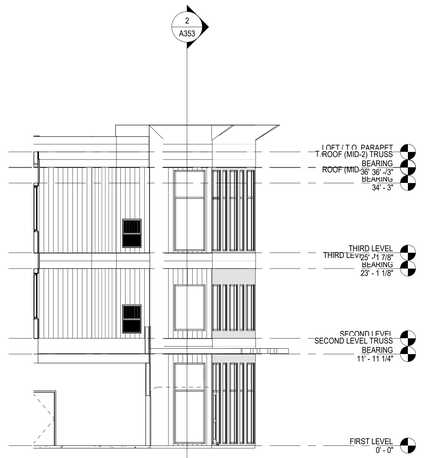
A301

GENERAL ELEVATION NOTES:

- REFER TO EXTERIOR FACADE MATERIAL MANUFACTURER FOR INSTALLATION & CONTROL JOINT DETAILS



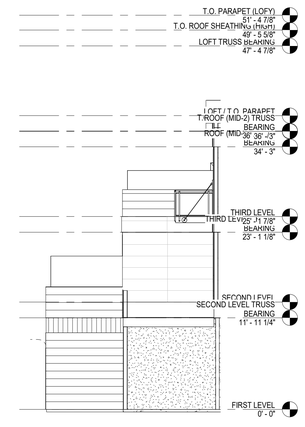
1 EXTERIOR ELEVATION 2
SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION 2A
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION 4
SCALE: 1/8" = 1'-0"



4 EXTERIOR ELEVATION 4A
SCALE: 1/8" = 1'-0"

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DWG. TITLE

EXTERIOR ELEVATIONS

GENERIC SCALE BAR
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DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	A302



1 EXTERIOR ELEVATION 3
SCALE: 3/32" = 1'-0"



2 EXTERIOR ELEVATION 3.1
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION 3.2
SCALE: 1/8" = 1'-0"

GENERAL ELEVATION NOTES:

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DWG. TITLE
EXTERIOR ELEVATIONS

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GENERIC SCALE BAR
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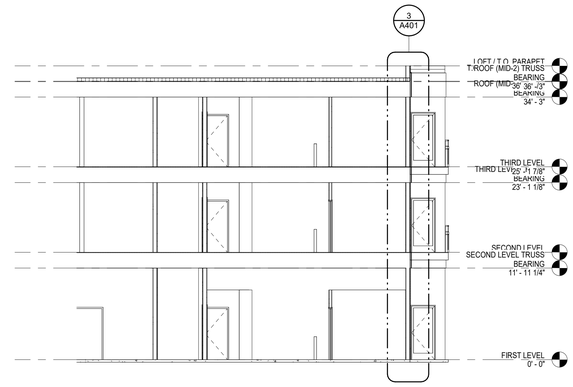
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	**A303**

GENERAL BUILDING SECTION NOTES:

- PROVIDE DRAFTSTOPPING PER IBC 718.3.2 & 718.4 WITHIN FLOOR SYSTEM AT EACH UNIT SEPARATION WALL & EVERY 3,000 SQ. FT. WITHIN THE ATTIC
- SEE A006 FOR RATED FLOOR & ROOF SYSTEM DETAILS
- PROVIDE 15 MIL STEGO WRAP SUB-SLAB VAPOR BARRIER, OR EQUAL. FULLY TAPED AT PENETRATIONS. SEE SUB-SLAB VAPOR COLLECTION SYSTEM DESIGN.
- PROVIDE 4-INCH THICK GAS PERMEABLE AGGREGATE LAYER BELOW ENTIRE SLAB. ASTM C33 NO. 6 AGGREGATE OR APPROVED EQUAL.



1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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DWG. TITLE

BUILDING SECTIONS

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CHK.	JP2
PROJ. No.	614007
DWG. No.	

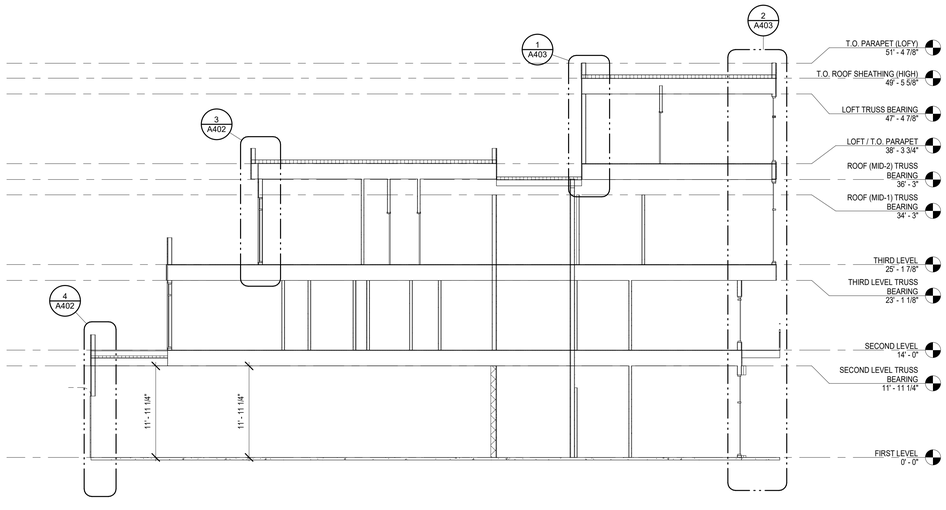
A350

GENERAL BUILDING SECTION NOTES:

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1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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DWG. TITLE

BUILDING SECTIONS

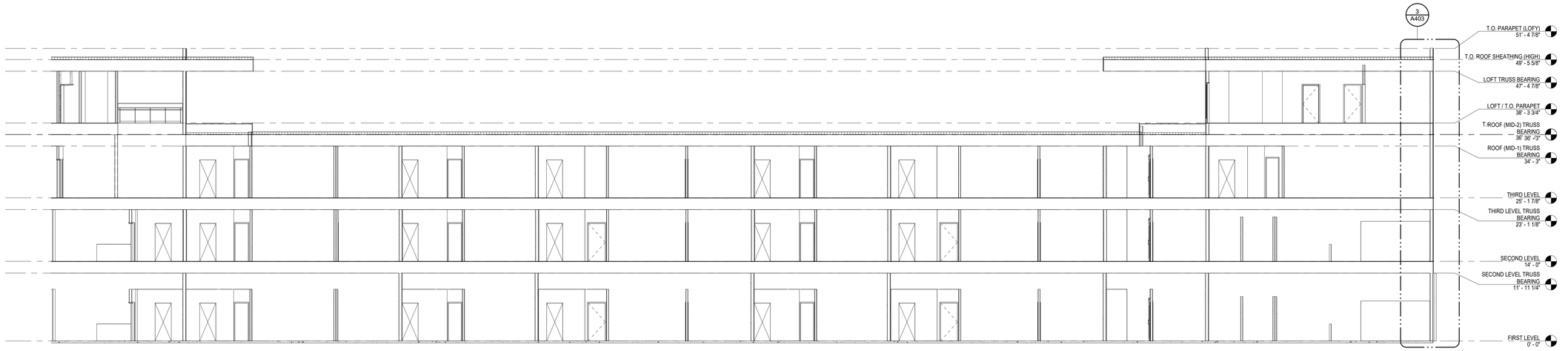
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GENERIC SCALE BAR
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CHK.	JP2
PROJ. No.	614007
DWG. No.	

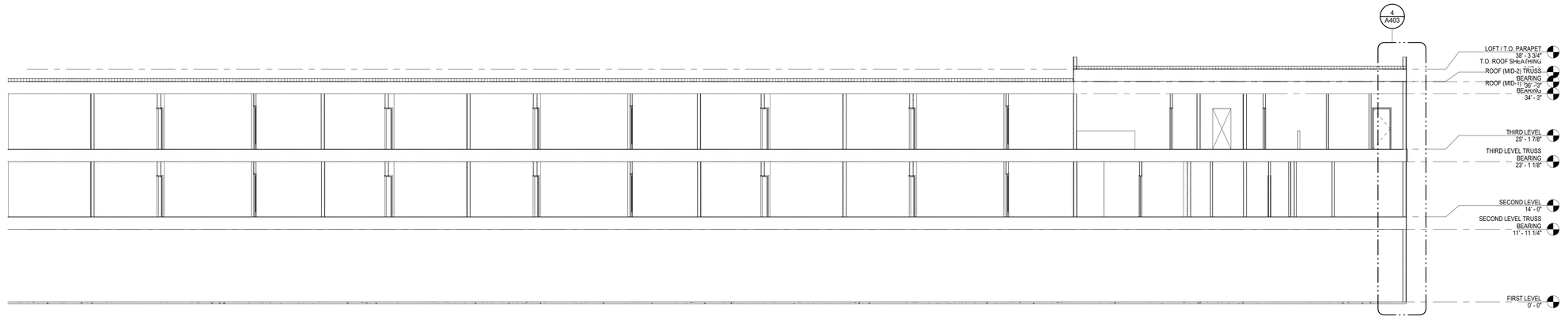
A351

GENERAL BUILDING SECTION NOTES:

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1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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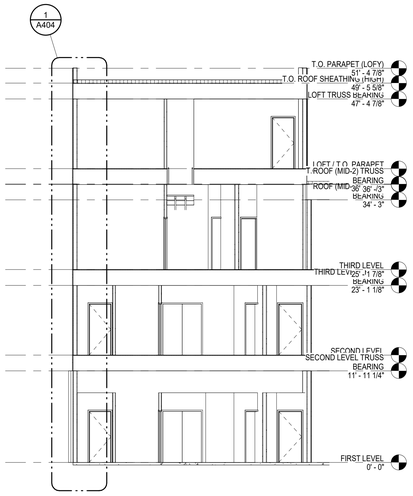
BUILDING SECTIONS

0 1" 2"
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DATE	05/01/2026
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CHK.	JP2
PROJ. No.	614007
DWG. No.	A352

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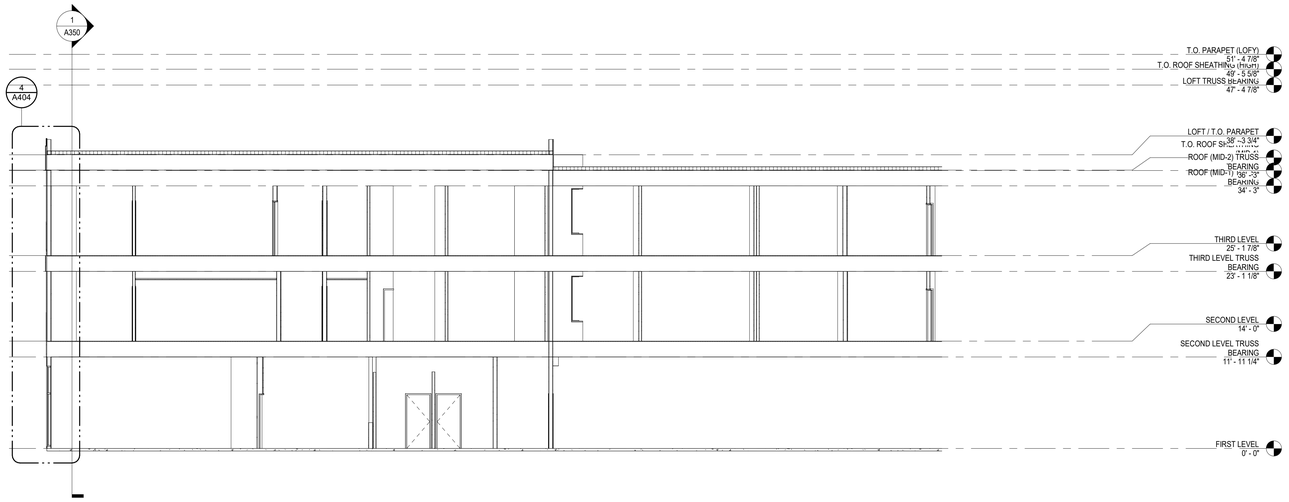
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1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
SCALE: 1/8" = 1'-0"

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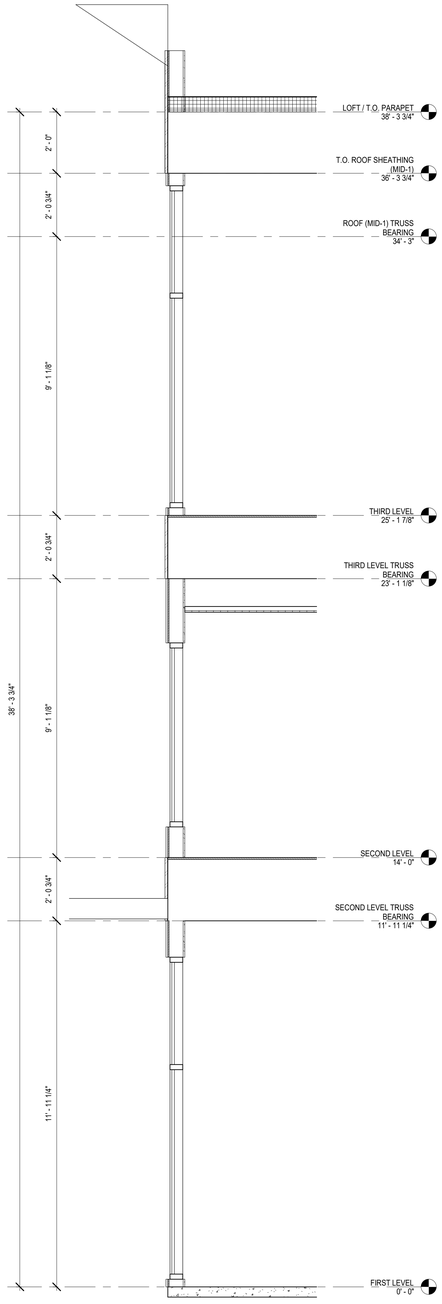
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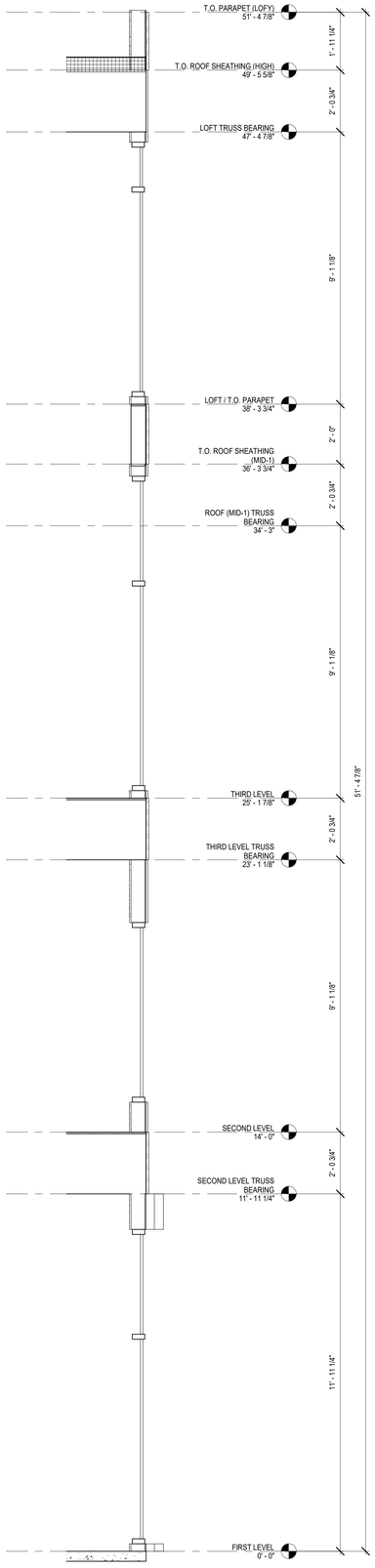
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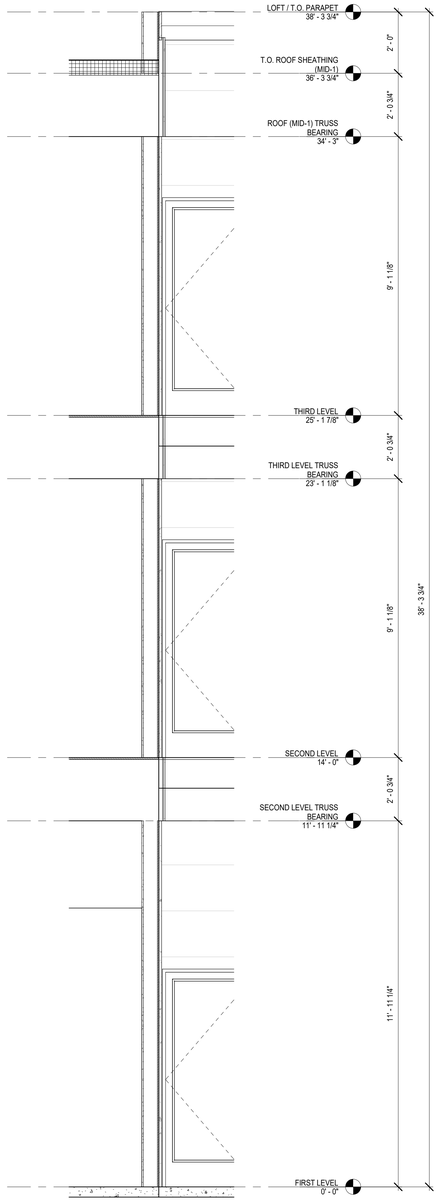
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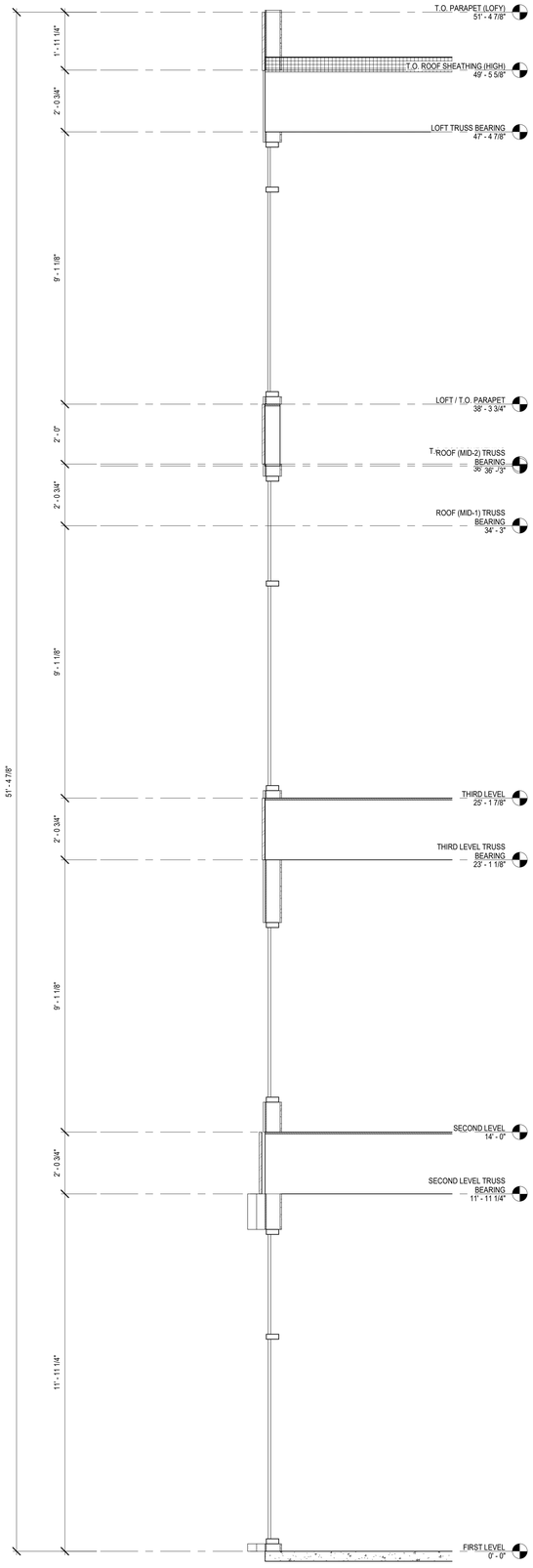
1 WALL SECTION
SCALE: 1/2" = 1'-0"



2 WALL SECTION
SCALE: 1/2" = 1'-0"



3 WALL SECTION
SCALE: 1/2" = 1'-0"



4 WALL SECTION
SCALE: 1/2" = 1'-0"

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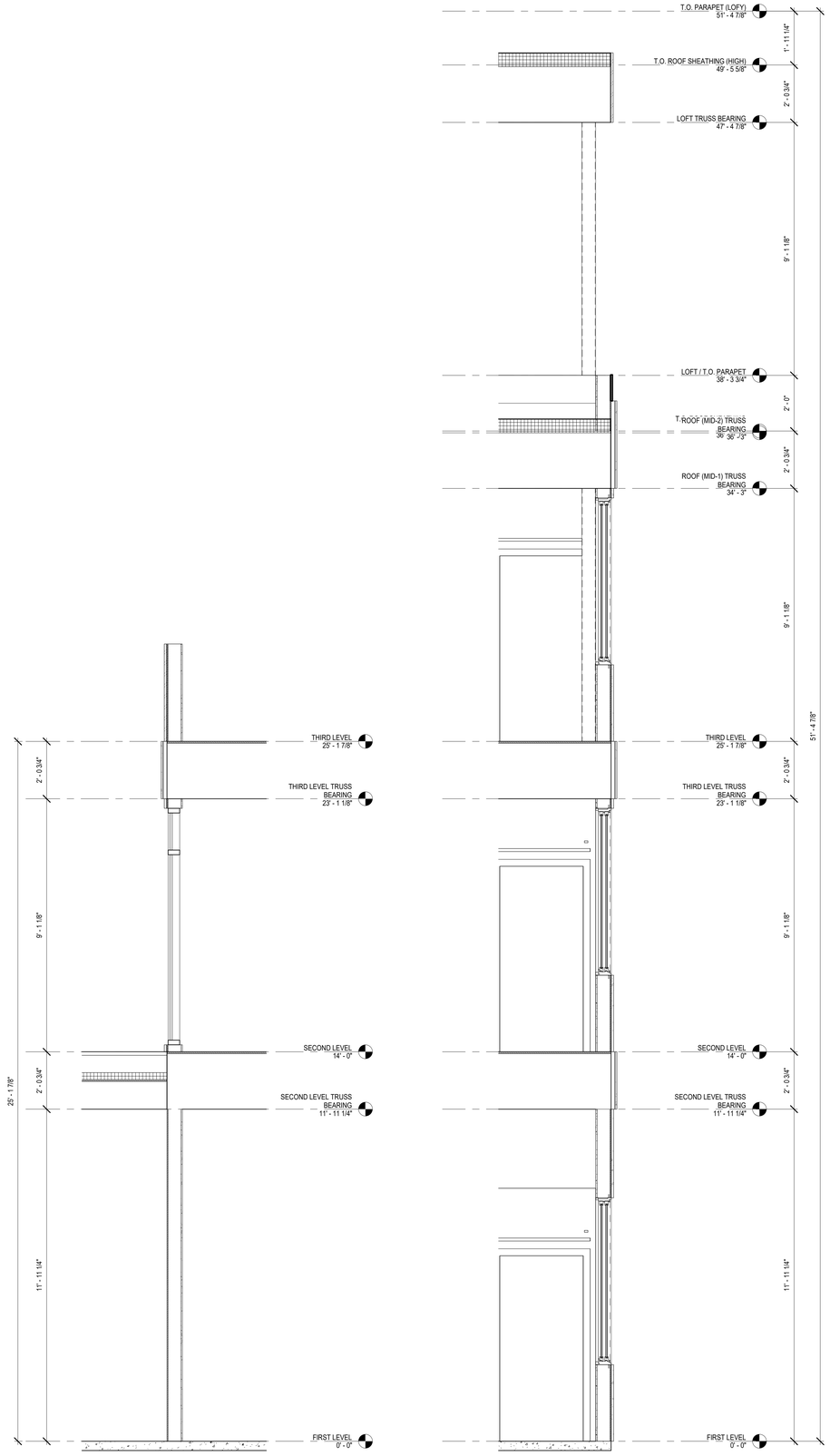
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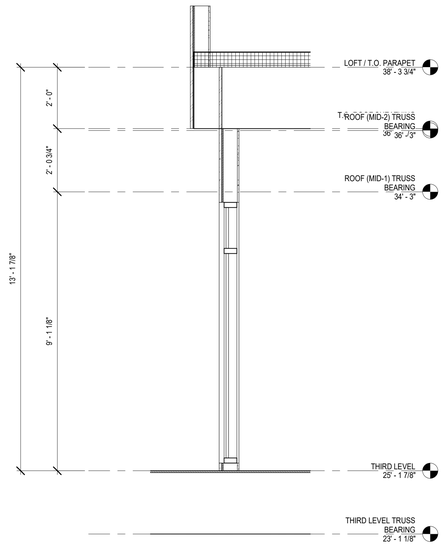
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DWN.	TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	

A401

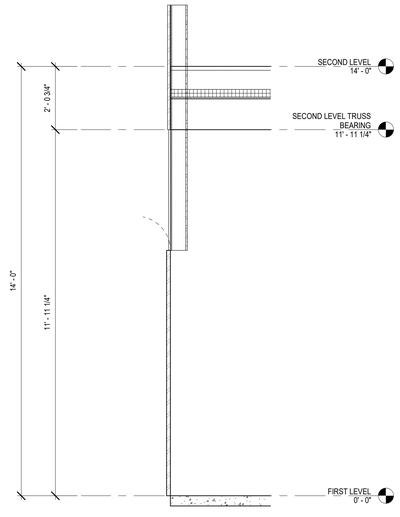


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2 WALL SECTION
SCALE: 1/2" = 1'-0"



3 WALL SECTION
SCALE: 1/2" = 1'-0"



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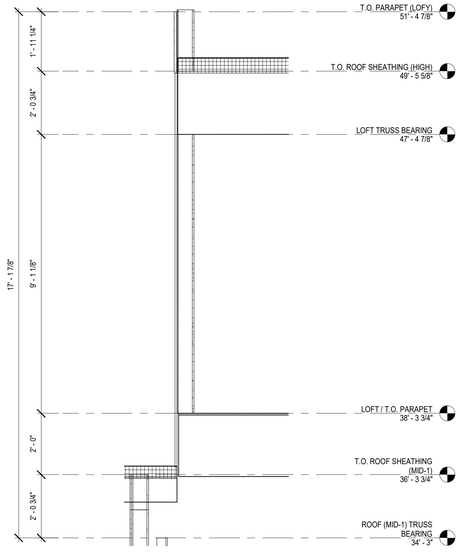
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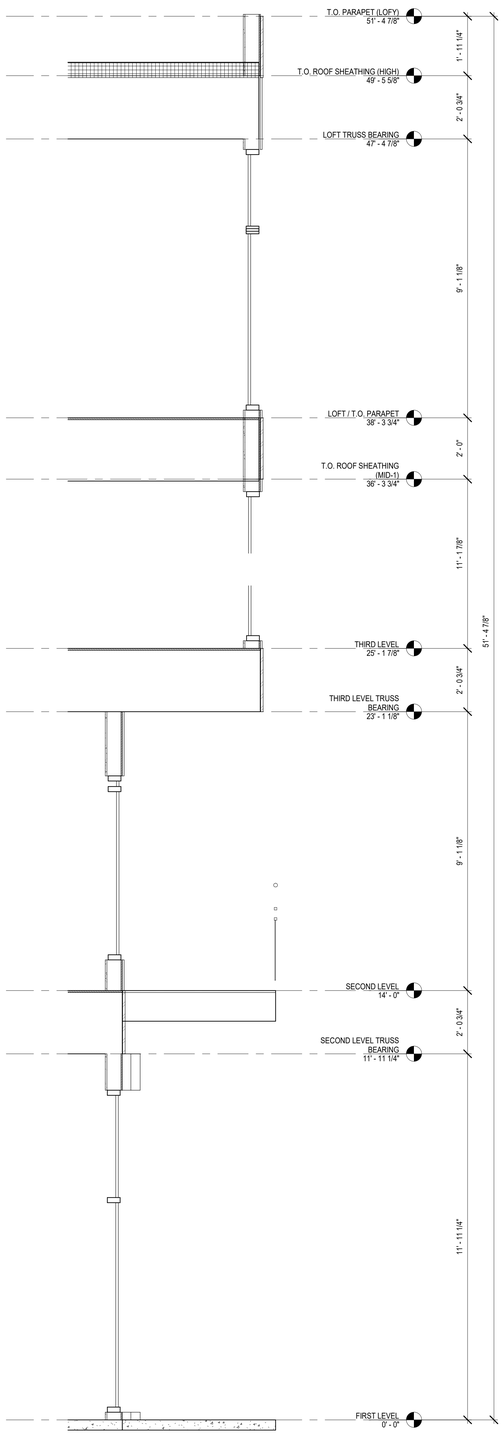
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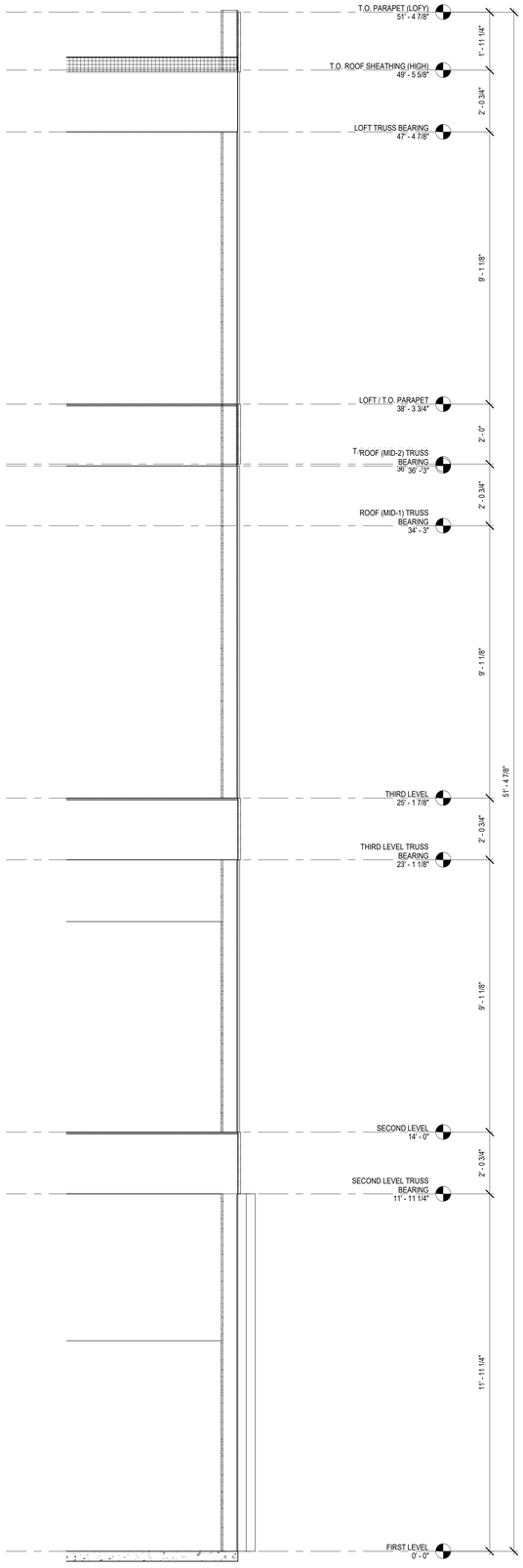
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CHK.	JP2
PROJ. No.	614007
DWG. No.	A402



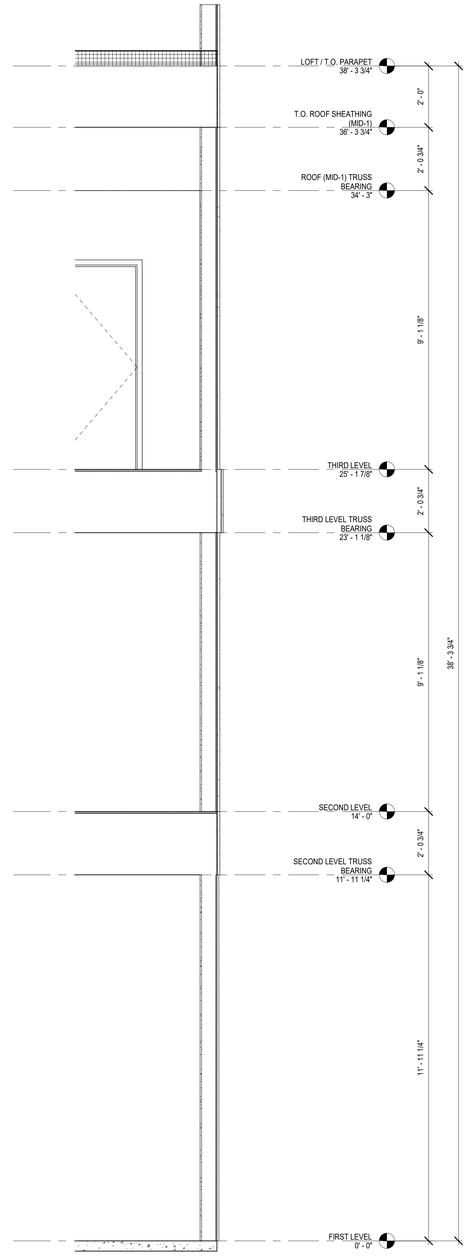
1 WALL SECTION
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2 WALL SECTION
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3 WALL SECTION
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4 WALL SECTION
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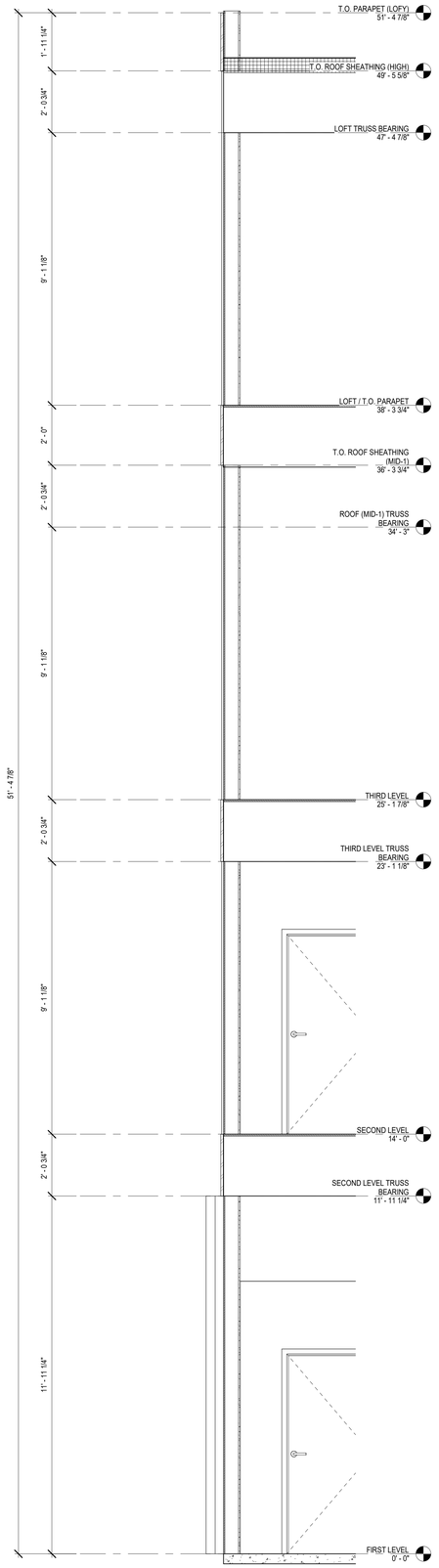
NO.	REVISIONS	DATE

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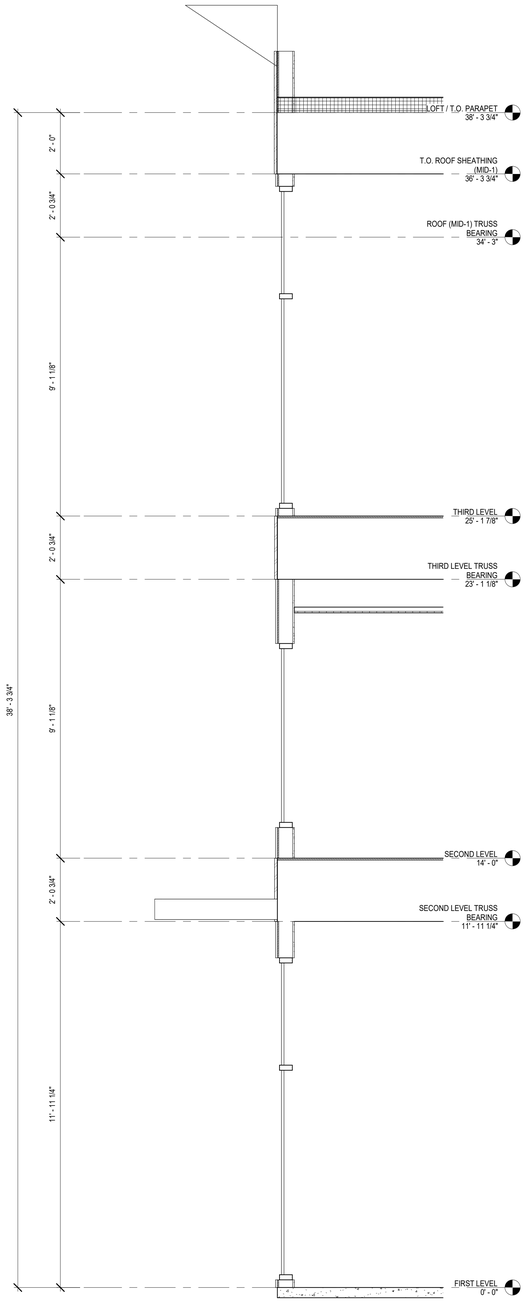
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GENERIC SCALE BAR
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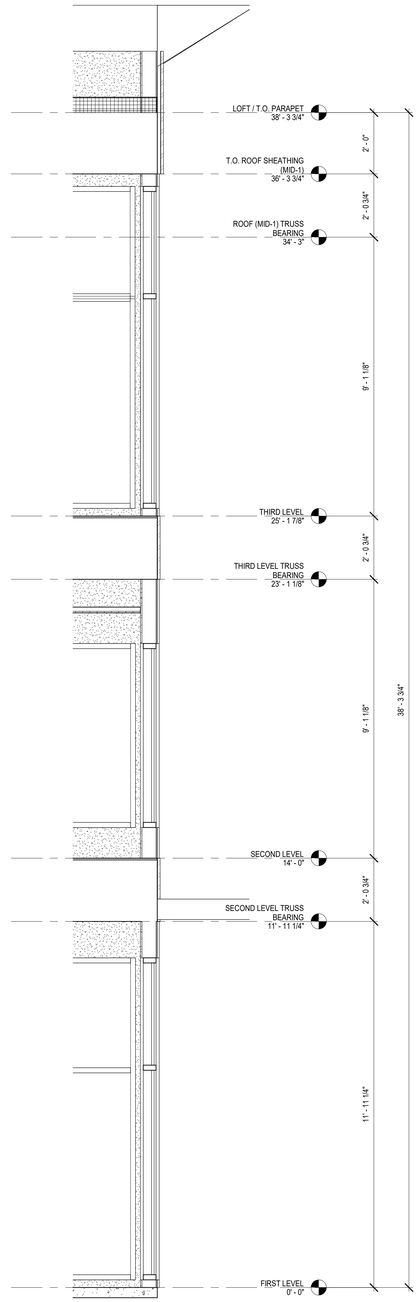
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DWN.	TT CHK. JP2
PROJ. No.	614007
DWG. No.	A403



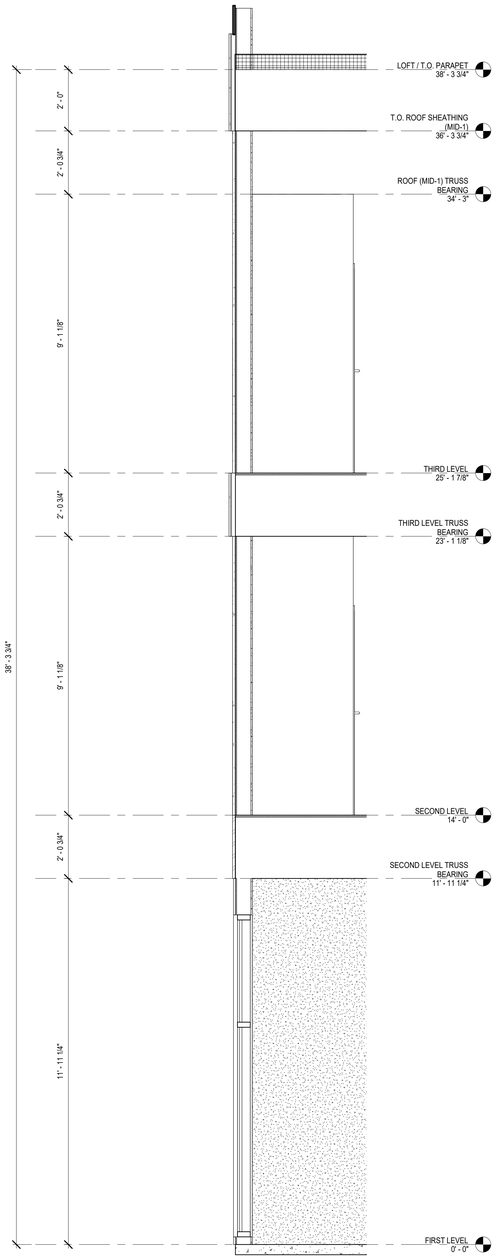
1 WALL SECTION
SCALE: 1/2" = 1'-0"



2 WALL SECTION
SCALE: 1/2" = 1'-0"



3 WALL SECTION
SCALE: 1/2" = 1'-0"



4 WALL SECTION
SCALE: 1/2" = 1'-0"

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NO.	REVISIONS	DATE

DWG. TITLE

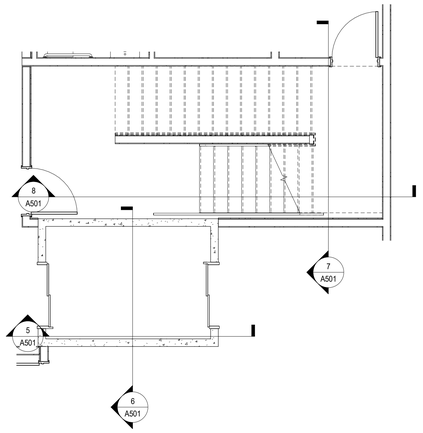
WALL SECTIONS

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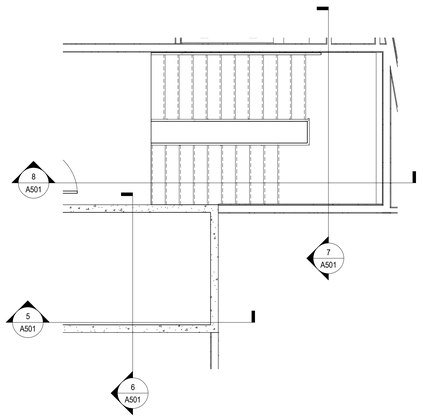
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DWN.	TT CHK. JP2
PROJ. No.	614007
DWG. No.	**A404**

GENERAL VERTICAL TRANSPORTATION NOTES:

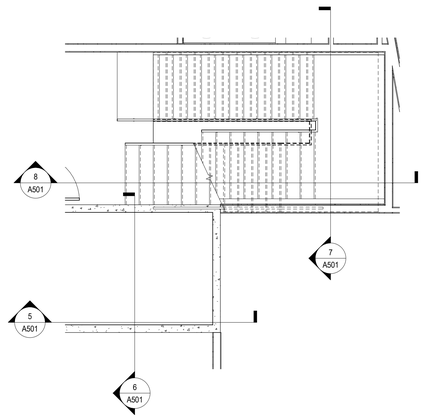
- REFERENCE ELEVATOR SHOP DRAWINGS; VERIFY ALL ELEVATOR & SHAFT OPENINGS & DIMENSIONS WITH ELEVATOR MANUFACTURER



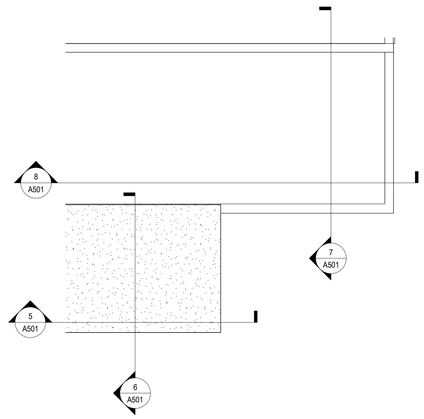
1 FIRST LEVEL ENLARGED STAIR PLAN - STAIR A
SCALE: 1/4" = 1'-0"



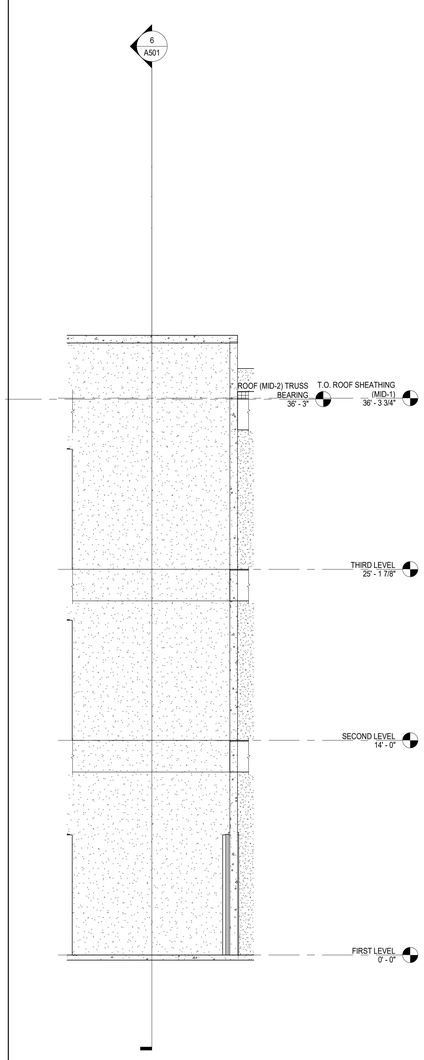
3 THIRD LEVEL ENLARGED STAIR PLAN - STAIR A
SCALE: 1/4" = 1'-0"



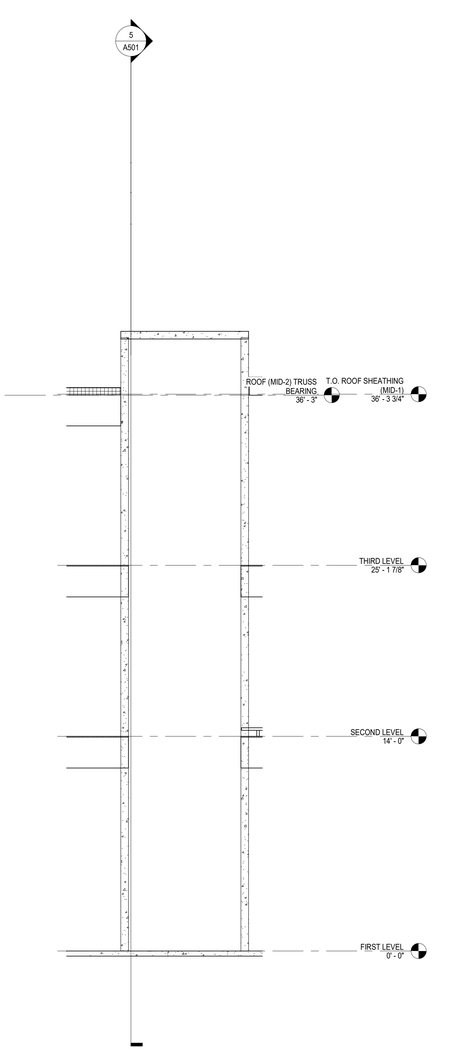
2 SECOND LEVEL ENLARGED STAIR PLAN - STAIR A
SCALE: 1/4" = 1'-0"



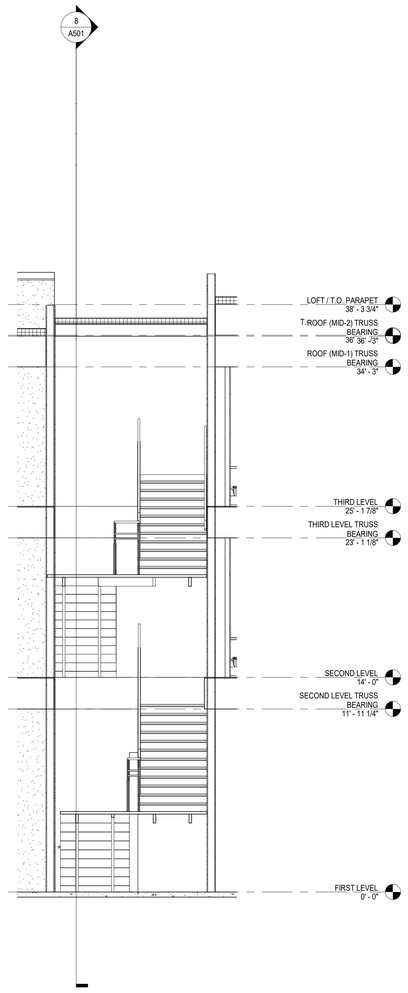
4 LOFT LEVEL ENLARGED STAIR PLAN - STAIR A
SCALE: 1/4" = 1'-0"



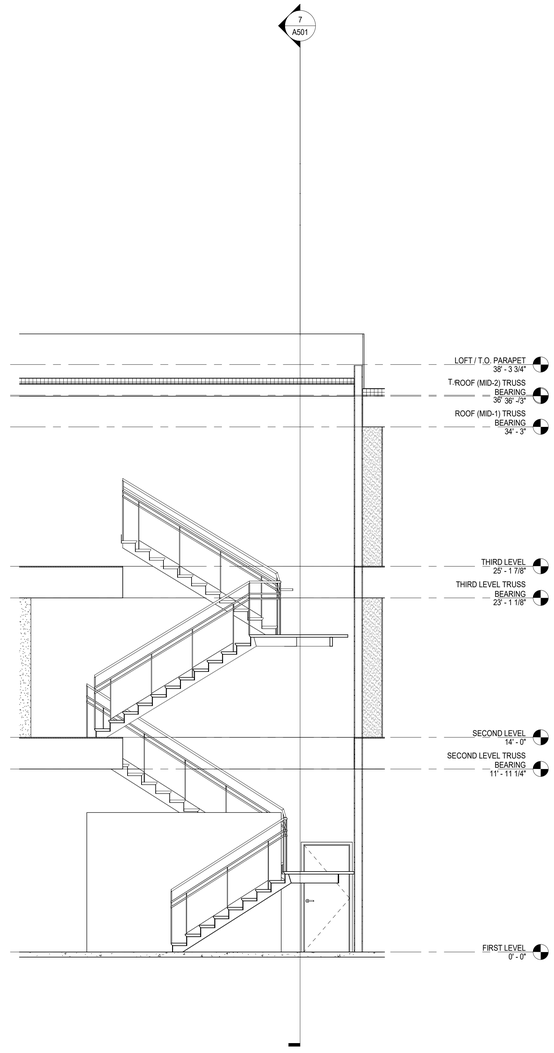
5 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



6 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



7 STAIR A - SECTION
SCALE: 1/4" = 1'-0"



8 STAIR A - SECTION 2
SCALE: 1/4" = 1'-0"

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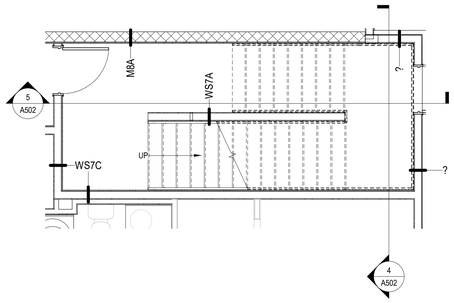
DWG. TITLE

VERTICAL TRANSPORTATION PLANS & SECTIONS

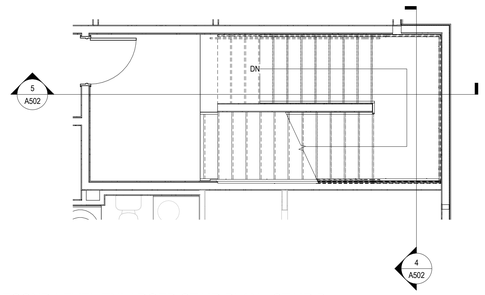
0 1" 2"
GENERIC SCALE BAR
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SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	

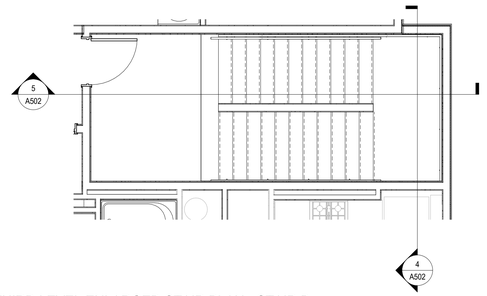
A501



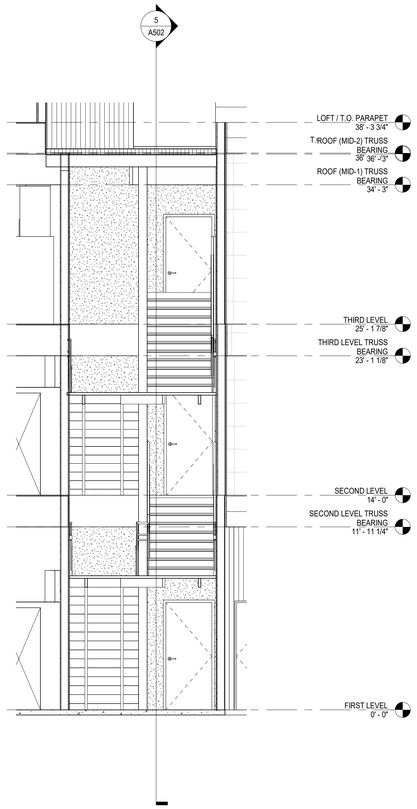
1 01 - FIRST LEVEL ENLARGED STAIR PLAN - STAIR B
SCALE: 1/4" = 1'-0"



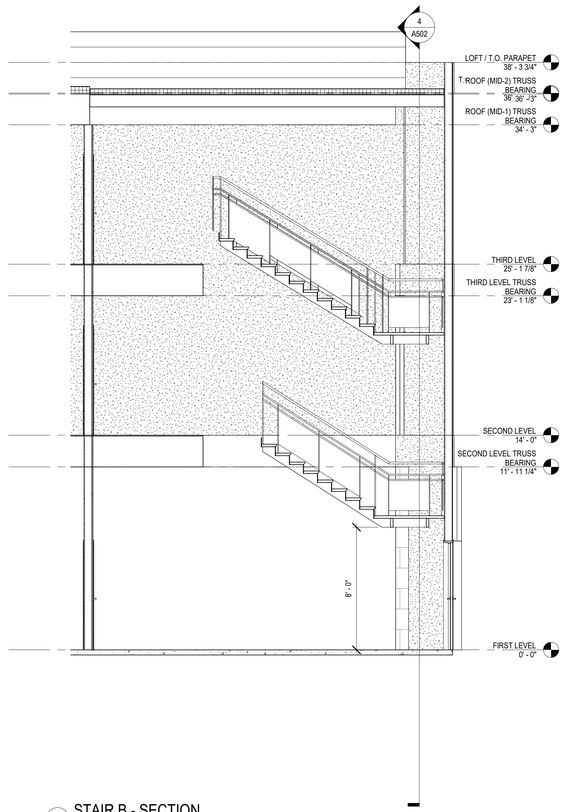
2 02 - SECOND LEVEL ENLARGED STAIR PLAN - STAIR B
SCALE: 1/4" = 1'-0"



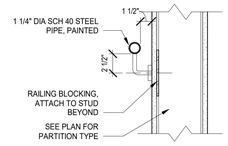
3 03 - THIRD LEVEL ENLARGED STAIR PLAN - STAIR B
SCALE: 1/4" = 1'-0"



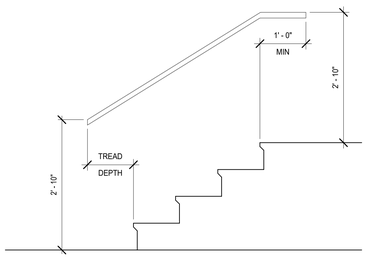
4 STAIR B - SECTION
SCALE: 1/4" = 1'-0"



5 STAIR B - SECTION
SCALE: 1/4" = 1'-0"



6 HANDRAIL (STUD WALL)
SCALE: 1 1/2" = 1'-0"



7 HANDRAIL EXTENSION ELEVATION
SCALE: 3/4" = 1'-0"

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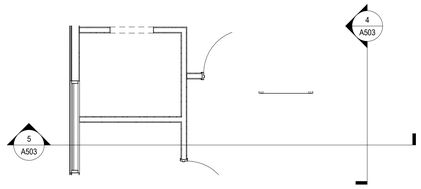
NO.	REVISIONS	DATE

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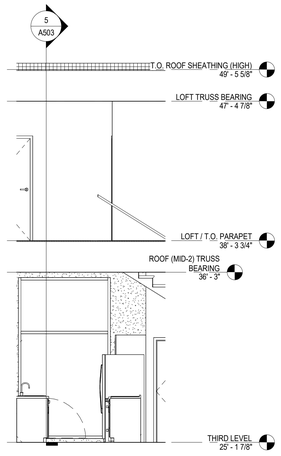
VERTICAL TRANSPORTATION PLANS & SECTIONS

0 1" 2"
GENERIC SCALE BAR
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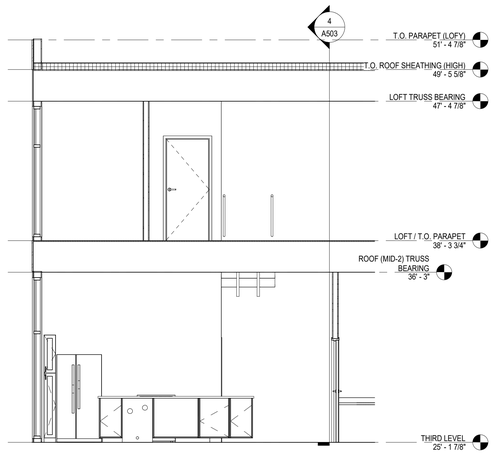
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SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	A502



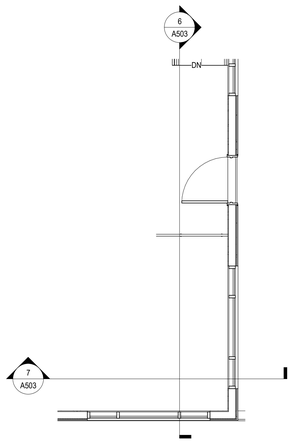
1 UNIT C1 ENLARGED STAIR PLAN
SCALE: 1/4" = 1'-0"



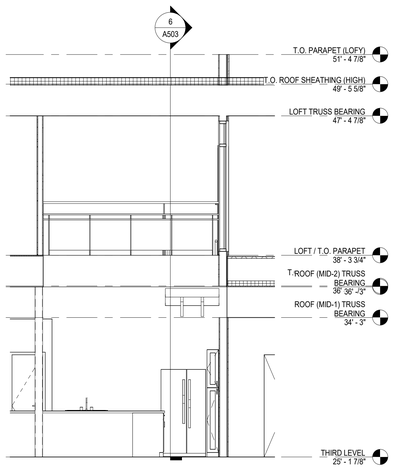
4 UNIT C1 STAIR SECTION
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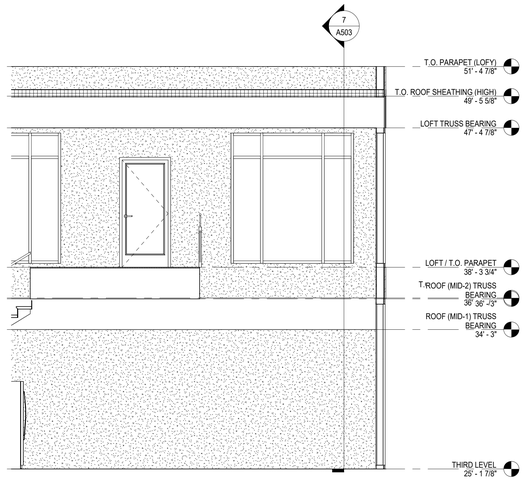
5 UNIT C1 STAIR SECTION
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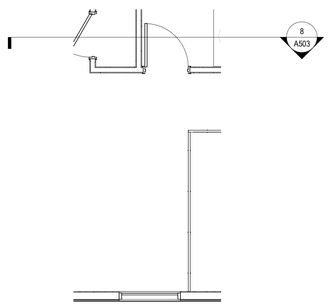
2 UNIT C2 ENLARGED STAIR PLAN
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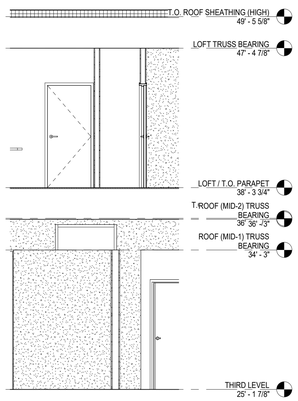
7 UNIT C2 STAIR SECTION
SCALE: 1/4" = 1'-0"



6 UNIT C2 STAIR SECTION
SCALE: 1/4" = 1'-0"



3 LOFT LEVEL ENLARGED STAIR PLAN - STAIR A
SCALE: 1/4" = 1'-0"



8 UNIT C3 STAIR SECTION
SCALE: 1/4" = 1'-0"

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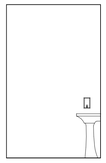
UNIT VERTICAL TRANSPORTATION PLANS & SECTIONS

0 1" 2"
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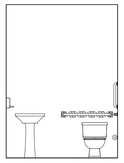
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DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	A503

GENERAL INTERIOR ELEVATION NOTES:

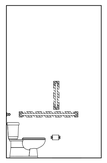
- FILLER PANELS SHALL BE A MAXIMUM OF 3" WIDE. THEY SHALL BE USED AT A CABINETS' INTERSECTION WITH THE SIDE WALL AND AS REQUIRED TO CONNECT CABINETS. CABINET SIZES ARE NAMED IN ELEVATIONS.
- ALL KITCHENS HAVE A CERAMIC TILE BACKSPLASH. TERMINATION POINTS ALIGN WITH OUTSIDE EDGES OF CABINETRY AND THE COUNTERTOP BELOW.
- KITCHEN APPLIANCES ARE BY OWNER, COORDINATE SIZING PRIOR TO ORDERING CASEWORK.
- ALL ACCESSIBLE AND TYPE A UNITS SHALL HAVE 34" AFF COUNTERTOPS AT ISLAND.
- ALL RESIDENTIAL BATHROOMS HAVE ROB HOOKS ON THE BACK OF EACH BATHROOM DOOR. ADA UNITS HAVE ROBE HOOKS AT ADA COMPLIANT HEIGHTS.



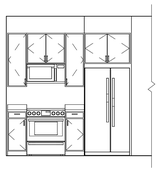
1 UNSEX RESTROOM 100F
SCALE: 1/4" = 1'-0"



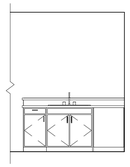
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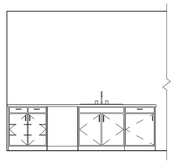
3 UNSEX RESTROOM 100F
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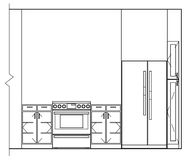
4 KITCHEN UNIT H1
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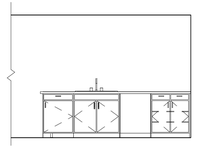
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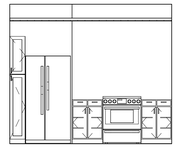
6 KITCHEN UNIT A1, A2, A3, B1, B2
SCALE: 1/4" = 1'-0"



7 KITCHEN UNIT A1, A2, A3, B1, B2
SCALE: 1/4" = 1'-0"



8 Elevation 2 - a
SCALE: 1/4" = 1'-0"



9 Elevation 1 - c
SCALE: 1/4" = 1'-0"

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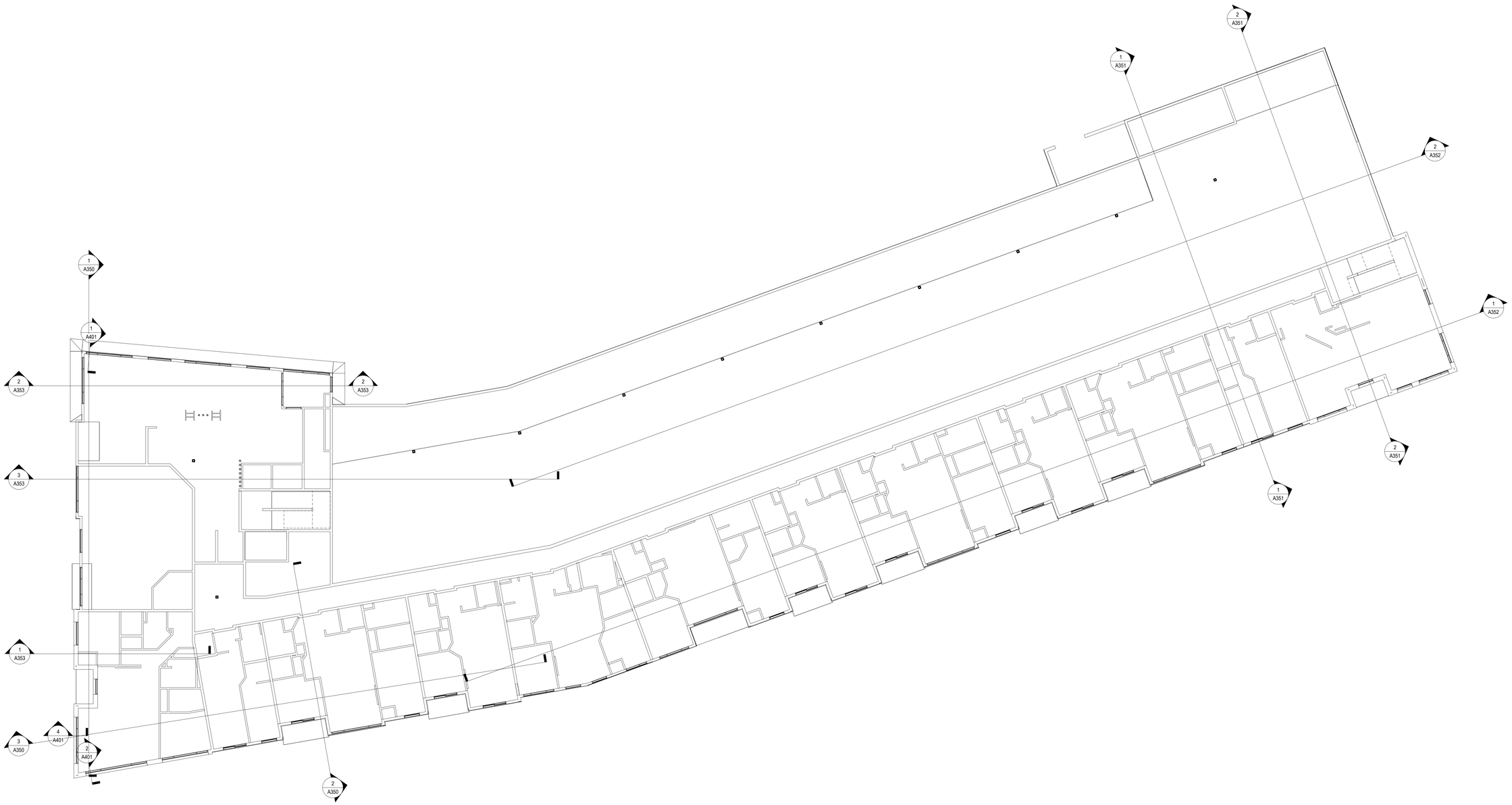
NO.	REVISIONS	DATE

DWG. TITLE

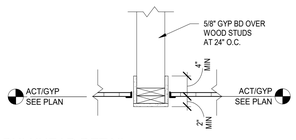
INTERIOR ELEVATIONS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

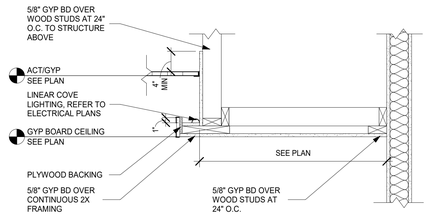
DATE	05/01/2026
SCALE	As indicated
DWN.	MCS CHK. JP2
PROJ. No.	614007
DWG. No.	A601



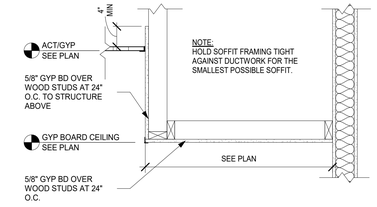
1 FIRST LEVEL RCP
SCALE: 3/32" = 1'-0"



2 CEILING BULKHEAD DETAIL
SCALE: 1" = 1'-0"



3 CEILING COVE LIGHTING DETAIL
SCALE: 1" = 1'-0"



4 CEILING SOFFIT DETAIL
SCALE: 1" = 1'-0"

GENERAL RCP NOTES:

- CEILING HEIGHT TO BE 10'-0" ABOVE LEVEL, UNO
- RATED FLOOR SYSTEM TO BE FULLY INSTALLED PRIOR TO INSTALLATION OF ACT CEILING, BULKHEADS & SOFFITS
- COORDINATE AND VERIFY ALL TRANSFER GRILL AND DIFFUSER LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. CENTER TRANSFER GRILLS IN CEILING TILES
- REFER TO MECHANICAL PLAN FOR MECHANICAL LAYOUT
- REFER TO ELECTRICAL PLAN FOR LIGHTING LAYOUT
- REFER TO FIRE PROTECTION PLAN FOR SPRINKLER LAYOUT

RCP KEYNOTES

RyKey PROPERTIES

THE ELEVEN
LA CROSSE, WI

DESIGN DEVELOPMENT

wendel
204 E. Grand Avenue, Suite 200
Eau Claire, WI 54701
www.wendelcompanies.com
p:716.688.0766 tf:877.293.6335
Wendel Architecture, P.C

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NO.	REVISIONS	DATE

DWG. TITLE

FIRST LEVELREFLECTED CEILING PLANS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY.

DATE	05/01/2026
SCALE	As indicated
DWN.	MCS
CHK.	JP2
PROJ. No.	614007
DWG. No.	

A701

DOOR SCHEDULE - COMMON

DOOR NO.	PANEL WIDTH	PANEL HEIGHT	PANEL MATERIAL	PANEL TYPE	FRAME MATERIAL	FRAME TYPE	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING	HARDWARE GROUP	REMARKS
FIRST LEVEL												
100A-1	3' - 10"	7' - 0"	P, A	B	P, A	F-3					(none)	
100A-2	3' - 4"	7' - 0"	P, A	C	P, A	F-1	1/A802	2/A802	--		(none)	
100A-3	3' - 10"	7' - 0"	P, A	B	P, A	F-4	5/A802	6/A802	--		(none)	
100C-1	3' - 0"	7' - 0"	P, A	A	P, A	F-2	7/A802	8/A802	--	20	(none)	
100C-2	3' - 0"	7' - 0"	HM	A	HM	F-2	1/A802	2/A802	--	20	(none)	
100D	3' - 4"	7' - 0"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
100E	3' - 0"	7' - 0"	HM	A	HM	F-1	1/A802	2/A802	--	1	(none)	
100F	3' - 0"	7' - 0"	HM	A	HM	F-1	1/A802	2/A802	--	1	(none)	
100G	3' - 0"	7' - 0"	HM	B	HM	F-1	1/A802	2/A802	--	1	(none)	
100H	3' - 0"	7' - 0"	WD	B	WD	F-1	3/A802	4/A802	--	1	(none)	
101	3' - 0"	7' - 0"	HM	A	HM	F-2	9/A802	10/A802	--	1	(none)	
103	3' - 0"	7' - 0"	HM	A	HM	F-2	9/A802	10/A802	--	20	(none)	
116	3' - 0"	7' - 0"	P, A	A	P, A	F-2				20	(none)	
117	3' - 0"	7' - 0"	P, A	A	P, A	F-2	7/A802	8/A802	--	20	(none)	
118	3' - 0"	6' - 8"	P, A	A	P, A	F-2					(none)	
P100-1	14' - 0"	6' - 6"	OHD	E	SEE SPEC	--					(none)	
P100-2	14' - 0"	8' - 0"	OHD	E	SEE SPEC	--					(none)	
P100-3	3' - 0"	7' - 0"	P, A	A	P, A	F-2				20	(none)	
P100-4	3' - 0"	7' - 0"	P, A	A	P, A	F-2				20	(none)	
P101-1	3' - 4"	6' - 8"	P, A	D	P, A	F-2	7/A802	8/A802	--		(none)	
P101-2	3' - 4"	7' - 0"	HM	D	HM	F-1	1/A802	2/A802	--		(none)	
SECOND LEVEL												
200	2' - 10"	6' - 8"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
201	3' - 0"	7' - 0"	HM	A	HM	F-2	1/A802	2/A802	--	1	(none)	
202A	6' - 0"	7' - 0"	HM	AA	HM	F-1	1/A802	2/A802	--		(none)	
228	3' - 0"	7' - 0"	HM	A	HM	F-2	1/A802	2/A802	--	20	(none)	
229	3' - 0"	7' - 0"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
230	2' - 10"	6' - 8"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
231	3' - 0"	7' - 0"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
THIRD LEVEL												
300	2' - 10"	6' - 8"	HM	A	HM	F-1	1/A802	2/A802	--		(none)	
301	3' - 0"	7' - 0"	HM	A	HM	F-2	1/A802	2/A802	--	1	(none)	
302A	6' - 0"	7' - 0"	HM	AA	HM	F-1	1/A802	2/A802	--		(none)	
328	3' - 0"	7' - 0"	HM	A	HM	F-2	1/A802	2/A802	--	20	(none)	

DOOR SCHEDULE - UNIT

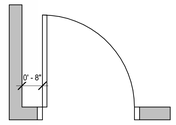
DOOR NO.	PANEL WIDTH	PANEL HEIGHT	PANEL MATERIAL	PANEL TYPE	FRAME MATERIAL	FRAME TYPE	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING	HARDWARE GROUP	REMARKS
01	3' - 0"	7' - 0"	WD	A	HM	F-1	1/A802	2/A802	--	20	(none)	
02	2' - 10"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
02-1	5' - 0"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
03	2' - 10"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
06	<varies>	<varies>	WD	A	WD	F-1	3/A802	4/A802	--	<varies>	(none)	
06-1	<varies>	6' - 8"	WD	A	--	--	--	--	--		(none)	
07	<varies>	<varies>	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
07-1	2' - 10"	6' - 8"	WD	A	--	--	--	--	--		(none)	
08	<varies>	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
09	<varies>	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
09-1	2' - 6"	6' - 8"	WD	A	WD	--	--	--	--		(none)	
09-2	5' - 0"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
09-3	1' - 6"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
10	2' - 10"	6' - 8"	WD	A	WD	F-1	3/A802	4/A802	--		(none)	
11	<varies>	<varies>	P, A	C	P, A						(none)	

DOOR FRAME / MATERIAL LEGEND:

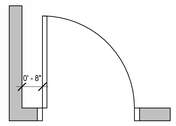
HM - HOLLOW METAL
WD - WOOD
P - POLYMER
A - ALUMINUM

GLAZING LEGEND:

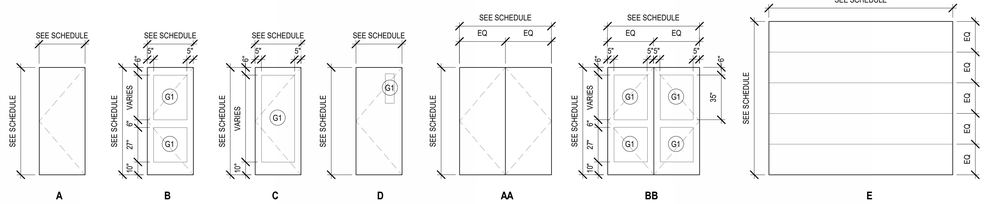
G1 TEMPERED GLASS



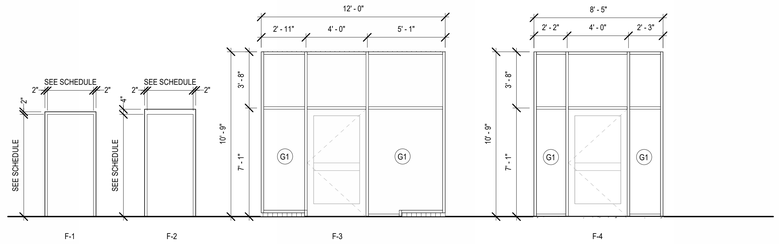
1 DOOR LOCATION - CMU WALL
SCALE: 1/2" = 1'-0"



2 DOOR LOCATION - STUD WALL
SCALE: 1/2" = 1'-0"



DOOR TYPES



FRAME TYPES

W1

RyKey PROPERTIES

THE ELEVEN
LA CROSSE, WI

DESIGN DEVELOPMENT

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Eau Claire, WI 54701
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p:716.688.0766 tf:877.293.6335

Wendel Architecture, P.C

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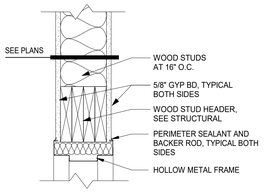
NO.	REVISIONS	DATE

DWG. TITLE

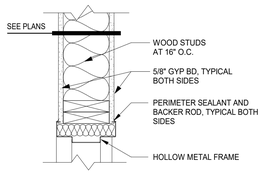
DOOR ELEVATIONS, SCHEDULE, & DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

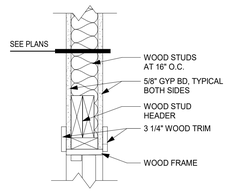
DATE	05/01/2026
SCALE	As indicated
DWN.	TT
CHK.	JP2
PROJ. No.	614007
DWG. No.	A801



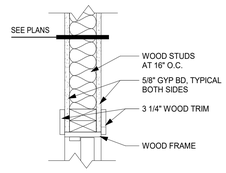
1 INTERIOR HM DOOR HEAD
SCALE: 1 1/2" = 1'-0"



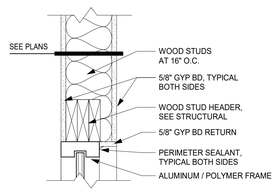
2 INTERIOR HM DOOR JAMB
SCALE: 1 1/2" = 1'-0"



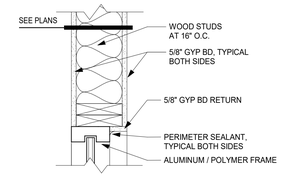
3 INTERIOR WD DOOR HEAD
SCALE: 1 1/2" = 1'-0"



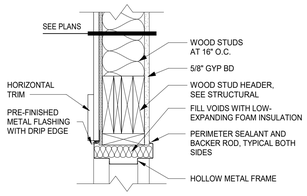
4 INTERIOR WD DOOR JAMB
SCALE: 1 1/2" = 1'-0"



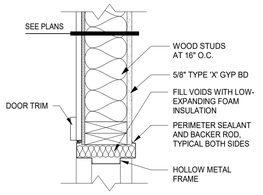
5 INTERIOR DOOR HEAD
SCALE: 1 1/2" = 1'-0"



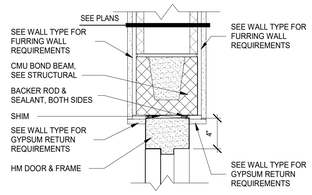
6 INTERIOR DOOR JAMB
SCALE: 1 1/2" = 1'-0"



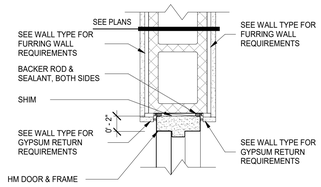
7 EXTERIOR HM DOOR HEAD
SCALE: 1 1/2" = 1'-0"



8 EXTERIOR HM DOOR JAMB
SCALE: 1 1/2" = 1'-0"



9 INTERIOR CMU DOOR HEAD
SCALE: 1 1/2" = 1'-0"



10 INTERIOR CMU DOOR JAMB
SCALE: 1 1/2" = 1'-0"

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NO.	REVISIONS	DATE

DWG. TITLE
DOOR & WINDOW DETAILS

0 1" 2"
GENERIC SCALE BAR
SCALE BAR SHOWN IS TWO INCHES ON THE ORIGINAL DRAWING. IF NOT TWO INCHES ON THIS SHEET, ADJUST ACCORDINGLY

DATE 05/01/2026
SCALE 1 1/2" = 1'-0"
DWN. TT CHK. JP2
PROJ. No. 614007
DWG. No.
A802

011000 - SUMMARY:

A. TYPE OF CONTRACT: PROJECT WILL BE CONSTRUCTED UNDER SINGLE PRIME CONTRACT.

B. OWNER FURNISHED PRODUCTS: CONTRACTOR SHALL RECEIVE, UNLOAD, STORE, PROTECT AND INSTALL OWNER- FURNISHED PRODUCTS.

C. USE OF SITE AND PREMISES: LIMIT USE OF PREMISES TO WORK IN AREAS INDICATED. ALLOW FOR OWNER OCCUPANCY AND USE BY THE PUBLIC. KEEP DRIVEWAYS, ENTRANCES, WALKWAYS, AND CORRIDORS CLEAR AND AVAILABLE TO OWNER AT ALL TIMES, UNLESS PREVIOUS ARRANGEMENTS ARE MADE WITH THE OWNER. PERFORM WORK SO AS NOT TO INTERFERE WITH THE OWNER'S OPERATIONS.

D. WORK RESTRICTIONS: PERFORM WORK DURING NORMAL DAYTIME WORKING HOURS UNLESS PREVIOUS ARRANGEMENTS ARE MADE WITH THE OWNER. COMPLY WITH OWNER'S REGULATIONS FOR NOISE, DRESS, IDENTIFICATION, SMOKING, ETC.

013300 - SUBMITTAL PROCEDURES:

A. PRODUCT DATA: SUBMIT AN ELECTRONIC COPY OF MANUFACTURER'S LITERATURE DESCRIBING EACH PRODUCT.

B. SHOP DRAWINGS: SUBMIT ORIGINAL DRAWINGS INDICATING LAYOUTS AND DETAILS OF INSTALLATION, DRAWN ACCURATELY TO SCALE. SUBMIT ONE CORRECTABLE, REPRODUCIBLE PRINT AND ONE BLUE OR BLACK LINE PRINT. ARCHITECT WILL RETURN THE REPRODUCIBLE PRINT.

C. SAMPLES: SUBMIT ONE SET OF COLOR CHARTS OR CHIPS FOR INITIAL SELECTION, THEN TWO SETS OF LARGER SIZE (SIX INCH MINIMUM) SIZE SAMPLES FOR VERIFICATION, WHERE VARIATION IN COLOR AND TEXTURE OCCUR, SUBMIT AT LEAST THREE SETS OF PAIRED UNITS.

D. INFORMATIONAL SUBMITTALS: WHEN REQUESTED BY THE ARCHITECT, SUBMIT TWO COPIES OF INFORMATION SUCH AS INSTALLER/ MANUFACTURER QUALIFICATIONS, CERTIFICATIONS, TEST REPORTS, ETC. INFORMATIONAL SUBMITTALS WILL NOT BE RETURNED UNLESS REJECTED.

E. APPLY CONTRACTOR'S APPROVAL STAMP TO EACH SUBMITTAL. SUBMIT COMPLETE PACKAGES FOR EACH ITEM, NOT PIECEMEAL. SUBMIT ONLY THOSE ITEMS REQUIRED BY SPECIFICATIONS. DO NOT SUBMIT MATERIAL SAFETY DATA SHEETS (MSDS) TO ARCHITECT, SUBMIT DIRECTLY TO OWNER.

F. ARCHITECT'S STAMP: ARCHITECT WILL STAMP EACH SUBMITTAL WITH AN ACTION STAMP WITH ONE OR MORE OF THE FOLLOWING ACTIONS MARKED:
1. NO EXCEPTIONS TAKEN
2. PROVIDE AS CORRECTED
3. REVISE AND RESUBMIT
4. REJECTED
5. SUBMIT SPECIFIED ITEM
6. SUBMIT ADDITIONAL INFORMATION

014200 - REFERENCES:

A. DEFINITIONS
1. FURNISH: SUPPLY AND DELIVER TO PROJECT SITE, READY FOR INSTALLATION OPERATIONS.
2. INSTALL: UNLOAD, STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, FINISH, CURE, PROTECT, AND CLEAN THE ITEM FURNISHED AS REQUIRED.
3. PROVIDE: FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

B. INDUSTRY STANDARDS: COMPLY WITH STANDARDS IN EFFECT AS OF THE DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE INDICATED.
1. CONFLICTING REQUIREMENTS: REFER TO ARCHITECT FOR DECISION WHERE REQUIREMENTS ARE DIFFERENT BUT APPARENTLY EQUAL. OTHERWISE, COMPLY WITH MORE STRINGENT REQUIREMENTS.
2. ABBREVIATIONS AND ACRONYMS USED FOR STANDARDS, REGULATIONS,
AND CODE AGENCIES SHALL MEAN THE OFFICIALLY RECOGNIZED NAME. THOSE USED FOR INDUSTRY ORGANIZATIONS AND ASSOCIATIONS SHALL MEAN THE RECOGNIZED NAME INDICATED IN GALE RESEARCH'S
"ENCYCLOPEDIA OF ASSOCIATIONS" OR COLUMBIA BOOKS "NATIONAL TRADE AND PROFESSIONAL ASSOCIATIONS OF THE U.S.".

015000 - TEMPORARY FACILITIES AND CONTROLS:

A. TEMPORARY WATER SERVICE: USE OWNER'S EXISTING WATER SERVICE, AS ARRANGED WITH AND APPROVED BY THE OWNER. PROVIDE WATER CONNECTIONS TO TEMPORARY FIELD OFFICES AND WATER HOSES TO POINTS OF NEED.

B. ELECTRIC POWER SERVICE: USE OWNER'S EXISTING ELECTRIC SERVICE, AS ARRANGED WITH AND APPROVED BY THE OWNER. COMPLY WITH OSHA, UL AND LOCAL CODE REQUIREMENTS.

C. TEMPORARY HEATING AND COOLING: PROVIDE TEMPORARY HEATING AND COOLING REQUIRED FOR INSTALLATION, CURING AND DRYING OR FOR PROTECTING INSTALLED CONSTRUCTION FROM ADVERSE EFFECTS OF TEMPERATURES OR HUMIDITY. PROVIDE SELF-CONTAINED HEATING UNITS, PROPANE OR OIL FUELED ONLY, WITH THERMOSTAT CONTROL, AND LISTED AND LABELED FOR TYPE OF FUEL CONSUMED.

D. TEMPORARY VENTILATION: PROVIDE AS REQUIRED FOR CURING AND DRYING OR PROTECTING AGAINST HIGH HUMIDITY.

E. TEMPORARY LIGHTING: PROVIDE AS REQUIRED, WITH LOCAL SWITCHING, THAT PROVIDES ADEQUATE ILLUMINATION FOR CONSTRUCTION OPERATIONS.

F. TELEPHONE SERVICE: PROVIDE TELEPHONE IN FIELD OFFICE FOR USE OF ALL PERSONNEL. EQUIP PROJECT SUPERINTENDENT WITH CELLULAR TELEPHONE FOR USE WHEN AWAY FROM FIELD OFFICE.

G. DEWATERING FACILITIES AND DRAINS: MAINTAIN PROJECT SITE, EXCAVATIONS AND CONSTRUCTION FREE OF WATER. DISPOSE OF RAINWATER IN A LAWFUL MANNER.

H. SNOW REMOVAL: REMOVE SNOW AND ICE PROMPTLY FROM WORK AREAS AND STAGING AREAS.

I. PROJECT IDENTIFICATION SIGNS: PROVIDE PROJECT IDENTIFICATION SIGN, OF GRADE B-B HIGH DENSITY FORM OVERLAY PLYWOOD SUPPORTED ON POSTS. LOCATE WHERE DIRECTED AND ENGAGE AN EXPERIENCED SIGN PAINTER TO APPLY BACKGROUND AND GRAPHICS. COMPLY WITH DETAILS ON DRAWINGS.

J. WASTE DISPOSAL FACILITIES: PROVIDE WASTE COLLECTION CONTAINERS AND DUMPSTERS AS REQUIRED TO HANDLE CONSTRUCTION WASTE. DISPOSE OF CONTENTS, LAWFULLY WHEN FULL.

K. ENVIRONMENTAL PROTECTION: COMPLY WITH ENVIRONMENTAL REGULATIONS AND USE METHODS THAT AVOID POSSIBLE AIR, WATERWAY AND SOIL CONTAMINATION OR POLLUTION.

L. SANITARY FACILITIES: UNLESS OWNER APPROVES USE OF EXISTING TOILET ROOMS, PROVIDE TEMPORARY PORTABLE TOILETS FOR USE OF CONSTRUCTION PERSONNEL. LOCATE AS APPROVED BY OWNER. SERVICE AND CLEAN UNITS DAILY.

M. EROSION AND SEDIMENTATION CONTROL: PROVIDE MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL BEARING WATER RUNOFF AND AIRBORNE DUST TO ADJACENT PROPERTIES, IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.

N. PEST CONTROL: ENGAGE A PEST CONTROL SERVICE TO PERFORM CONTROL AND EXTERMINATION PROCEDURES AT REGULAR INTERVALS SO THAT PROJECT WILL BE FREE OF PESTS AND THEIR RESIDUES AT SUBSTANTIAL COMPLETION.

O. ENCLOSURE FENCE: WHEN EXCAVATION BEGINS, PROVIDE ENCLOSURE FENCE TO PREVENT PEOPLE AND ANIMALS FROM ENTERING THE AREA EASILY EXCEPT BY ENTRANCE GATES. PROVIDE LOCKS ON GATE AND DISTRIBUTE KEYS TO AUTHORIZED PERSONNEL AND OWNER.

P. BARRICADES, WARNING SIGNS AND LIGHTS: COMPLY WITH AUTHORITIES HAVING JURISDICTION.

015000 - TEMPORARY FACILITIES AND CONTROLS:

Q. TEMPORARY ENCLOSURES: PROVIDE TEMPORARY ENCLOSURES TO PROTECT NEW AND EXISTING CONSTRUCTION FROM EXPOSURE, WEATHER AND OTHER CONSTRUCTION OPERATIONS. PROVIDE TEMPORARY CLOSURES FOR EXTERIOR OPENINGS OF EXTERIOR GRADE PLYWOOD WITH FRAMING/SUPPORT AS REQUIRED.

R. TEMPORARY PARTITIONS: PROVIDE FLOOR TO CEILING DUSTPROOF PARTITIONS TO LIMIT DUST AND DIRT MIGRATION AND TO SEPARATE OCCUPIED AREAS FROM FUMES AND NOISE. CONSTRUCT OF METAL STUDS AND DRYWALL OR EQUIVALENT, WITH PERIMETER JOINTS SEALED, SELF-CLOSING DOORS AND WALK-OFF MATS. PROVIDE FIRE RATED PARTITIONS WHERE REQUIRED BY CODE.

S. TEMPORARY FIRE PROTECTION: PROHIBIT SMOKING IN WORK AREAS AND INSIDE OF BUILDINGS. SUPERVISE SOURCES OF FIRE IGNITION. PROVIDE FIRE EXTINGUISHERS IN ALL WORK AREAS. COMPLY WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.

01600 - PRODUCT REQUIREMENTS:

A. DEFINITIONS
1. EQUIVALENT PRODUCT: THAT WHICH HAS THE SAME OR BETTER PERFORMANCE AND QUALITY AS PRODUCTS SPECIFIED.
2. SUBSTITUTION: A PRODUCT OF LESSER OR DIFFERENT QUALITY AND PERFORMANCE FROM PRODUCTS SPECIFIED.

A. PROVIDE PRODUCTS SPECIFIED OR EQUIVALENT PRODUCTS APPROVED BY THE ARCHITECT. SUBMIT A COMPLETE LIST OF PRODUCTS PROPOSED FOR USE WITHIN 15 DAYS OF NOTICE OF AWARD, HIGHLIGHTING WHICH PRODUCTS ARE PROPOSED EQUIVALENTS. SUBMIT ADDITIONAL INFORMATION ON PROPOSED EQUIVALENTS AS REQUESTED BY THE ARCHITECT. SUBSTITUTIONS ARE NOT ALLOWED UNLESS PROPERLY SUBMITTED TO THE ARCHITECT NO LATER THAN 10 DAYS PRIOR TO OPENING OF BIDS. ARCHITECT'S DECISION ON PROPOSED SUBSTITUTIONS WILL BE ISSUED BY ADDENDUM.

B. COMPLY WITH MANUFACTURERS REQUIREMENTS FOR DELIVERING, STORING, HANDLING, INSTALLING, CLEANING, AND PROTECTING PRODUCTS.

C. PROVIDE PRODUCTS COMPLETE WITH ACCESSORIES, TRIM, FINISH, FASTENERS, AND OTHER ITEMS NEEDED FOR A COMPLETE INSTALLATION AND INDICATED USE AND EFFECT.

01700 - EXECUTION REQUIREMENTS:

A. EXISTING CONDITIONS: BEFORE BEGINNING WORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS, UNDERGROUND UTILITIES AND OTHER CONSTRUCTION AFFECTING THE WORK. REPORT ANY DISCREPANCIES OR PROBLEMS TO THE ARCHITECT IN WRITING.

B. ACCEPTANCE OF CONDITIONS: EXAMINE SUBSTRATES AND CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION AND PERFORMANCE. REPORT DETRIMENTAL SUBSTRATES AND CONDITIONS IMMEDIATELY TO THE ARCHITECT IN WRITING. PROCEEDING WITH INSTALLATION INDICATES ACCEPTANCE OF SUBSTRATES AND CONDITIONS AND THE ACCEPTANCE OF ALL RESPONSIBILITY FOR PERFORMANCE OF THE INSTALLATION THEREUPON.

C. CONSTRUCTION LAYOUT: ENGAGE A PROFESSIONAL SURVEYOR OR ENGINEER TO LAY OUT THE WORK. ESTABLISH BENCHMARKS AND CONTROL POINTS, LOCATE AND LAYOUT CONTROL LINES AND LEVELS REQUIRED FOR ALL THE WORK.

D. SURVEY: WHERE ADDITION AND IMPROVEMENTS TO EXISTING CONSTRUCTION ARE MADE, ENGAGE A PROFESSIONAL SURVEYOR OR ENGINEER TO PREPARE A FINAL PROPERTY SURVEY AND SUBMIT 10 COPIES TO THE OWNER.

E. PROGRESS CLEANING: CLEAN PROJECT SITE AND WORK AREAS DAILY AND DISPOSE OF WASTE MATERIALS LAWFULLY OFF SITE. DEPOSIT WASTE MATERIALS IN WASTE CONTAINERS AND DUMPSTERS. CLEAN INSTALLED SURFACES ACCORDING TO PRODUCT MANUFACTURERS WRITTEN INSTRUCTIONS. PROTECT AND PROVIDE MAINTENANCE ON INSTALLED MATERIALS AND PRODUCTS FROM DAMAGE THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. CLEAN AND REPAIR EXISTING ADJACENT CONSTRUCTION SOILED OR DAMAGED DURING INSTALLATION OF NEW CONSTRUCTION.

017700 - CLOSEOUT PROCEDURES:

A. SUBSTANTIAL COMPLETION: WHEN CONTRACTOR CONSIDERS WORK TO BE SUBSTANTIALLY COMPLETE, HE SHALL COMPLETE AND/OR SUBMIT THE FOLLOWING ITEMS PRIOR TO REQUESTING ARCHITECTS' INSPECTION:
1. LIST OF INCOMPLETE ITEMS (PUNCH LIST).
2. ADVISE OWNER OF IMPENDING INSURANCE CHANGEOVER.
3. WARRANTIES AND SIMILAR DOCUMENTS.
4. OCCUPANCY PERMITS, OPERATING CERTIFICATES, AND SIMILAR RELEASES.
5. PROJECT RECORD DOCUMENTS, OPERATION AND MAINTENANCE MANUALS,
PROPERTY SURVEYS AND SIMILAR RECORD INFORMATION.
6. CHANGEOVER TO PERMANENT LOCKS AND DELIVER KEYS.
7. STARTUP TESTING OF SYSTEMS AND TEST/ADJUST/BALANCE RECORDS.
8. REMOVE TEMPORARY FACILITIES
9. FINAL CLEANING, TOUCH UP AND REPAIR.

B. AFTER RECEIPT OF REQUEST FOR INSPECTION, ARCHITECT WILL EITHER PROCEED WITH INSPECTION OR NOTIFY CONTRACTOR OF UNFULFILLED REQUIREMENTS. AFTER INSPECTION, ARCHITECT WILL EITHER ISSUE A CERTIFICATE OF SUBSTANTIAL COMPLETION OR NOTIFY CONTRACTOR OF ITEMS THAT MUST BE COMPLETED BEFORE ISSUANCE. RESULTS OF ANY REINSPECTION WILL FORM A BASIS FOR FINAL COMPLETION.

C. FINAL COMPLETION: PRIOR TO REQUESTING ARCHITECTS' INSPECTION FOR FINAL COMPLETION, COMPLETE AND/OR SUBMIT THE FOLLOWING:
1. FINAL APPLICATION FOR PAYMENT
2. COPY OF ARCHITECT'S SUBSTANTIAL COMPLETION INSPECTION LIST OF ITEMS TO BE COMPLETED OR CORRECTED WITH CONTRACTOR'S CERTIFICATION THAT EACH ITEM HAS BEEN COMPLETED.
3. FINAL CONTINUING INSURANCE COVERAGE.
4. PEST CONTROL FINAL INSPECTION REPORT.
5. DEMONSTRATION AND TRAINING OF OWNER'S PERSONNEL.
6. FINAL COMPLETION PHOTOGRAPHS.

D. AFTER RECEPT OF REQUEST FOR INSPECTION, ARCHITECT WILL EITHER PROCEED WITH INSPECTION OR NOTIFY CONTRACTOR OF UNFULFILLED REQUIREMENTS. AFTER INSPECTION, ARCHITECT WILL EITHER ISSUE A FINAL CERTIFICATE FOR PAYMENT OR NOTIFY CONTRACTOR OF ITEMS THAT MUST BE COMPLETED BEFORE ISSUANCE.

E. PROJECT RECORD DOCUMENTS: MAINTAIN AND MARK ONE SET OF CONTRACT DRAWINGS, SHOP DRAWINGS, SPECIFICATIONS AND ADDENDA THROUGHOUT THE DURATION OF THE PROJECT. MARK DOCUMENTS CLEARLY, WITH ERASABLE RED PENCIL, TO SHOW DIFFERENCES IN ACTUAL INSTALLATION. ACCURATELY RECORD INFORMATION ON DRAWINGS USING AN UNDERSTANDABLE DRAWING TECHNIQUE. SUBMIT COMPLETED RECORD DOCUMENTS PRIOR TO REQUESTING INSPECTION FOR SUBSTANTIAL COMPLETION.

F. DEMONSTRATION AND TRAINING: INSTRUCT OWNER'S PERSONNEL TO ADJUST, OPERATE AND MAINTAIN SYSTEMS, SUBSYSTEMS AND EQUIPMENT. PROVIDE INSTRUCTORS EXPERIENCED IN OPERATION AND MAINTENANCE PROCEDURES.

G. FINAL CLEANING: EMPLOY EXPERIENCED WORKERS OR PROFESSIONAL CLEANERS FOR FINAL CLEANING. CLEAN PROJECT SITE AND GROUNDS OF RUBBISH AND WASTE MATERIAL. REMOVE STAINS AND SWEEP PAVED AREAS BROOM CLEAN. REMOVE TOOLS AND CONSTRUCTION EQUIPMENT FROM SITE. CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHES, INCLUDING METAL, FIXTURES, GLASS, MIRRORS, FLOORS AND WALLS, VACUUM CARPETS. REMOVE LABELS AND TEMPORARY PROTECTIONS. TOUCH-UP MARRED SURFACES. WIPE CLEAN SURFACES OF EQUIPMENT. CLEAN PLUMBING FIXTURES. CLEAN LIGHT FIXTURES. PROVIDE CLEANING AS WOULD BE EXPECTED FROM A COMMERCIAL BUILDING CLEANING SERVICE.

024100 - DEMOLITION:

A. REMOVE PAVING AND CURBS AS REQUIRED TO ACCOMPLISH NEW WORK.

B. REMOVE OTHER ITEMS INDICATED FOR SALVAGE, RELOCATION AND RECYCLING.

C. FILL EXCAVATIONS, OPEN PITS, AND HOLES IN GROUND AREAS GENERATED AS A RESULT OF REMOVALS, USING SPECIFIED FILL; COMPACTED FILL AS REQUIRED SO THAT REQUIRED ROUGH GRADE ELEVATIONS DO NOT SUBSIDE WITHIN ONE YEAR AFTER COMPLETION.

D. COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC.
a. OBTAIN REQUIRED PERMITS.
b. ERECT, PROTECT AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
c. CONDUCTS OPERATIONS TO MINIMIZE THE EFFECTS ON AND INTERFERENCE WITH ADJACENT STRUCTURES AND OCCUPANTS.
d. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMIT.
e. CONDUCT OPERATIONS TO MINIMIZE OBSTRUCTION OF PUBLIC AND PRIVATE ENTRANCES AND EXITS; DO NOT OBSTRUCT REQUIRED EXITS AT ANY TIME; PROTECT PERSONS USING ENTRANCES AND EXITS FROM REMOVAL OPERATIONS.
f. OBTAIN WRITTEN PERMISSIONS FROM OWNERS OF ADJACENT PROPERTIES WHEN DEMOLITION EQUIPMENT WILL TRAVERSE, INFRINGE UPON OR LIMIT ACCESS TO THEIR PROPERTY.

E. DO NOT BEING DEMOLITION UNDER PERMISSIONS ARE GRANTED FROM THE CITY OF AMHERST.

F. COORDINATE WORK WITH UTILITY COMPANIES; NOTIFY BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS; OBTAIN REQUIRED PERMITS.

G. PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE.

030505 - UNDERSLAB VAPOR BARRIER:

A. UNDERSLAB VAPOR BARRIER:
a. WATER VAPOR PERMEANCE: NOT MORE THAN 0.010 PERMS (0.6 ng/(s m2 Pa)), MAXIMUM.
b. THICKNESS: 15 MILS (0.4 MM)
c. BASIS OF DESIGN:
• STEGOWRAP INDUSTRIES LLC; STEGOWRAP VAPOR BARRIER (15 MIL); WWW.STEGOINDUSTRIES.COM
d. ACCESSORY PRODUCTS: MANUFACTURERS RECOMMENDED TAPE, ADHESIVE, MASTIC, ETC. FOR SEALING SEAMS AND PENETRATIONS IN VAPOR BARRIER.

B. VERIFY SURFACE FOR WHICH VAPOR BARRIER SHALL BE INSTALLED IS COMPLETE AND READY BEFORE PROCEEDING WITH INSTALLATION OF VAPOR BARRIER.

C. INSTALL VAPOR BARRIER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION AND ASTM E1643.

D. LAP JOINTS: MINIMUM 6 INCHES (150 MM).

E. NO PENETRATION OF VAPOR BARRIER IS ALLOWED EXCEPT FOR REINFORCING STEEL AND UTILITIES.

031000 - CONCRETE FORMING AND ACCESSORIES:

A. FORMWORK - GENERAL:
a. PROVIDE CONCRETE FORMS. ACCESSORIES, SHORING AND BRACING AS REQUIRED TO ACCOMPLISH CAST-IN PLACE CONCRETE WORK.
b. DESIGN AND CONSTRUCT CONCRETE THAT COMPLIES WITH DESIGN WITH RESPECT TO SHAPE, LINES AND DIMENSIONS.

B. EXAMINATION:
a. VERIFY LINES, LEVELS AND CENTERS BEFORE PROCEEDING WITH FORMWORK. ENSURE THAT DIMENSIONS AGREE WITH THE DRAWINGS.
b. EARTH FORMS ARE NOT PERMITTED.

032000 - CONCRETE REINFORCING:

A. REINFORCEMENT:
a. REINFORCING STEEL: ASTM A615/A615M, GRADE 60 - 60,000 PSI (420 MPa).
• PLAIN BILLET-STEEL BARS.
• UNFINISHED.
b. REINFORCING STEEL MAT: ASTM A704/A704M, USING ASTM A615/A615M, GRADE 40 - 40,000 PSI (280 MPa) STEEL BARS OR RODS, UNFINISHED.
c. STEEL WELDED WIRE REINFORCMENT (WWR): PLAIN TYPE; ASTM A1064/A1064M.
• FORM: COILED ROLLS.
• WWR STYLE: 4X8-W6 X W10 (102 X 203-MR39 X MW65).
d. REINFORCEMENT ACCESSORIES:
• TIE WIRE: ANNEALED, MINIMUM 16 GAGE, 0.0508 INCH (1.29 MM).
• CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS: SIZED AND SHAPED FOR ADEQUATE SUPPORT OF REINFORCEMENT DURING CONCRETE PLACEMENT.
• PROVIDE STAINLESS STEEL COMPONENTS FOR PLACEMENT WITH 1 1/2 INCHES (38 MM) OF WEATHER SURFACES.

B. FABRICATION:
a. FABRICATE CONCRETE REINFORCING IN ACCORDANCE WITH CRSI (DA4) - MANUAL OF STANDARD PRACTICE. LOCATE REINFORCING SPLICES NOT INDICATED ON DRAWINGS AT POINT OF MINIMUM STRESS.

C. EXECUTION:
a. PLACEMENT: PLACE, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. DO NOT DEVIATE FROM REQUIRED POSITION. DO NOT DISPLACE OR DAMAGE VAPOR BARRIER. ACCOMMODATE PLACEMENT OF FORMED OPENINGS. CONFORM TO APPLICABLE CODE FOR CONCRET ECOVER OVER REINFORCEMENT.

033000 - CAST-IN-PLACE CONCRETE:

A. CONCRETE MATERIALS:
a. CEMENT: ASTM C150, TYPE I - NORMAL PORTLAND TYPE.
b. FINE AND COARSE AGGREGATES: ASTM C33.
c. FLY ASH: ASTM C618, CLASS C OR F.
d. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.
e. FIBER REINFORCEMENT: ALKALI-RESISTANT POLYPROPYLENE COMPLYING WITH ASTM C1116/C1116M.
• PRODUCTS:
1. FIBERMESH 300 MANUFACTURED BY PROPEX CONCRETE SYSTEMS.

B. ADMIXTURES:
a. DO NOT USE CHEMICALS THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.
b. AIR ENTRAINMENT ADMIXTURES: ASTM C260*C260M.

C. BONDING AND JOINTING PRODUCTS:
a. SLAB ISLOATION JOINT FILLER: 1/52 INCH (13 MM) THICK, HEIGHT EQUAL TO SLAB THICKESS WITH REMOVABLE TOP SECTION THAT WILL FORM 1/2 INCH (13 MM) DEEP SEALANT POCKET AFTER REMOVAL.
b. SLAB CONSTRUCTION JOINT DEVICES: COMBINATION KEYED JOINT FORM AND SCREED, GALVANIZED STEEL WITH MINIMUM 1 INCH (25 MM) DIAMETER HOLES FOR CONDUIT OR REBAR TO PASS THROUGH AT 6 INCHES (150 MM) ON CENTER; RIBBED STEEL STAKES FOR SETTING.

D. CONCRETE MIX DESIGN:
a. PROPORTIONING NORMAL WEIGHT CONCRETE: COMPLY WITH ACI 211.1 RECOMMENDATIONS.
b. CONCRETE STRENGTH: ESTABLISH REQUIRED AVERAGE STRENGTH FOR EACH TYPE OF CONCRETE ON TEH BASE OF FIELD EXPERIENCE OR TRIAL MIXTURES, AS SPECIFIED IN ACI 301
c. ADMIXTURES: ADD ACCEPTABLE ADMIXTURES AS RECOMMENDED IN ACI 211.1 AND AT RATES RECOMMENDED OR REQUIRED BY MANUFACTURER.
d. FIBER REINFORCEMENT: ADD TO MIX AT RATE OF 1.5 POUNDS PER CUBIC YARD (0.89 KG PER CUBIC METER) OR AS RECOMMENDED BY MANUFACTURER FOR SPECIFIC PROJECT CONDITIONS.
e. REFER TO STRUCTURAL DRAWINGS FOR MIX DESIGN REQUIREMENTS.

E. EXECUTION:
a. PREPARATION: VERIFY THAT FORMS ARE CLEAN AND FREE OF RUST BEFORE APPLYING RELEASE AGENT.
b. COORDINATE PLACEMENT OF EMBEDDED ITEMS WITH ERECTION OF CONCRETE FORMWORK AND PLACEMENT OF FORM ACCESSORIES.
c. INTERIOR SLABS ON GRADE: INSTALL VAPOR RETARDER UNDER INTERIOR SLABS ON GRADE. LAP JOINTS MINIMUM 6 INCHES (150 MM). SEAL JOINTS, SEAMS AND PENETRATIONS WATERTIGHT WITH MANUFACTURER'S RECOMMENDED PRODUCTS AND FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS. REPAIR DAMAGED VAPOR RETARDER BEFORE COVERING.
d. SLAB JOINTING: LOCATIE JOINTS AS INDICATED ON THE DRAWINGS; IF NOT INDICATED ON PLAN, COORDINATE WITH STRUCTURAL ENGINEER.
e. ISOLATION JOINTS: USE PREFORMED JOINT FILLER WITH REMOVABLE TOP SECTION FOR JOINT SEALANT, TOTAL HEIGHT EQUAL TO THICKNESS OF SLAB, SET FLUSH WITH TOP OF SLAB.

042100 - CLAY MASONRY UNITS:

A. MANUFACTURERS AND FABRICATION:
1. ACCEPTABLE MANUFACTURERS: COUNTY MATERIALS
2. CLAY MASONRY UNITS
A. FACING BRIKK, ASTM C 216, GRADE SW
a. CREAM, SMOOTH
b. SIZE: FULL VENEER, 4"x16"x24"
B. ALL BRICK SUPPLIED SHALL BE PRE-BLENDED BY THE MANUFACTURER.
3. REINFORCEMENT AND ANCHORAGE
A. FABRICATED STEEL LINTELS: SEE SECTION 05 50 00 - METAL FABRICATIONS
B. BRICK ANCHORS AND TIES: PROVIDE TO SIZES AND TYPES INDICATED ON THE DRAWINGS.
a. CORRUGATED TIES: ASTM A 1008, 10 GAUGE, GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2
b. JOINT REINFORCEMENT: ASTM A 82, GALVANIZED IN ACCORDANCE WITH ASTMA A 153, CLASS B-2
c. WIRE WALL TIES: ASTM A 82, GALVANIZED IN ACCORDANCE WITH ASTM A 153, B-2
d. DOVETAIL ANCHORS: ASTM A 1008, GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2
4. ACCESSORIES
A. EXPANSION JOINTS
a. PREMOLDED FOAM: ASTM D 1056, TYPE 2, CLASS A, GRADE 1
b. NEOPRENE: ASTM D 1056, TYPE 2, CLASS A, GRADE 1
c. SEALANT: SHALL BE IN ACCORDANCE WITH SECTION 07 90 00
B. MORTAR: MORTAR SHOULD BE MIXED BY PROPORTION ACCORDING TO ASTM C 270 FOR TYPE N MORTAR
a. PORTLAND CEMENT: ASTMC C150, TYPE I
b. HYDRATED LIME: ASTM C207, TYPE S
c. SAND: ASTM C144
d. WATER: POTABLE
C. FLASHING: BUILD IN ALL FLASHING WICH ENTER THE MASONRY AS THE WORK PROGRESSES. FLASHINGS ARE SPECIFIED IN SECTION 07 62 00 AND SECTION 07 65 26
D. WEEPS: WEEPS ARE TO BE USED IN CONJUNCTION WIHT FLASHING MATERIALS FOR PROPER FUNCTIONING OF THE MASONRY WALL DRAINAGE SYSTEM. THE SPECIFIED WEEP MATERIAL IS:
a. COTTON SASH CORD, 12 INCHES LONG WITH END LAID IN AIR CAVITY
b. PLASTIC TUBE, 1/4 INCH MINIMUM DIAMETER
c. PLASTIC VENTS OR CELLS
d. ALUMINUM VENTS OR CELLS

B. INSTALLATION:
1. COORDINATE AND ALLOW FOR SPECIFIED INSPECTIONS AND STRUCTURAL TESTING PROVIDED BY OWNER. CORRECT INSPECTED/ TESTED WORK TO COMPLY WITH RESULTS, AT NO EXPENSE TO THE OWNER.
2. COMPLY WITH CONSTRUCTION TOLERANCES IN ACI 530.1/ ASCE 6/TMS 602.
3. INSTALL MASONRY WITH RUNNING BOND PATTERN UNLESS OTHERWISE INDICATED.
4. INSTALL FULL MORTAR BED AND HEAD JOINTS, TOOL EXPOSED MORTAR JOINTS CONCAVE AND STRIKE CONCEALED MORTAR JOINTS FLUSH.
5. INSTALL CONTINUOUS MASONRY JOINT REINFORCEMENT AT 16 INCHES O.C. AND AS INDICATED. INCLUDE PREFABRICATED CORNER AND INTERSECTION UNITS.
6. GROUT ALL CELLS WITH BAR REINFORCING, GROUT CELLS 24 INCHES BELOW STRUCTURAL BEARING MEMBERS.
7. INSTALL EMBEDDED FLASHING, INCLUDING STAINLESS STEEL DRIP EDGES AND WEEP/ VENTS AT SHELF ANGLES, LINTELS, LEDGES AND OTHER OBSTRUCTIONS TO THE DOWNWARD FLOW OF WATER. INSTALL WEEP/ VENTS AT TOPS OF WALLS FOR CAVITY PRESSURE EQUALIZATION. SPACE ALL WEEP/ VENTS 24 INCHES O.C. MAX.
8. INSTALL CAVITY DRAINAGE MATERIAL IN CAVITY WALLS AT SHELF ANGLES, LINTELS, LEDGES, FOUNDATION SILLS AND OTHER OBSTRUCTIONS TO THE DOWNWARD FLOW OF WATER. KEEP CAVITIES CLEAN AND FREE OF MORTAR DROPPINGS AS MUCH AS POSSIBLE.
9. CLEAN MASONRY UNITS BY DRY BRUSHING AS WORK PROGRESSES. AFTER MORTAR IS SET AND CURED, REMOVE REMAINING MORTAR PARTICLES WITH NON METALLIC TOOLS AND CLEAN STAINS WITH MANUFACTURERS RECOMMENDED CLEANING MATERIALS.

C. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS FOR REINFORCING STEEL, SAMPLES FOR COLOR SELECTIONS, MORTAR AND GROUT MIX DESIGNS.

042200 - CONCRETE UNIT MASONRY:

A. MANUFACTURERS AND FABRICATION:
1. CONCRETE MASONRY UNITS (CMU): ASTM C 90, MINIMUM AVERAGE NET AREA COMPRESSIVE STRENGTH 2800 psi, NORMAL WEIGHT FOR STANDARD UNITS.
A. BOTH HOLLOW AND SOLID BLOCK, AS INDICATED AND AS REQUIRED.
B. SIZE: STANDARD UNITS WITH NOMINAL FACE DIMENSIONS OF 16 BY 8 INCHES AND NOMINAL DEPTHS AS INDICATED ON DRAWINGS FOR SPECIFIC LOCATIONS.
2. MORTAR AND GROUT: PORTLAND CEMENT-LIME MORTAR, ASTM C 207, TYPE S FOR EXTERIOR AND BEARING WALLS, TYPE N FOR INTERIOR NON-BEARING WALLS, TYPE M. COLOR TO MATCH EXISTING OR SELECTED BY ARCHITECT. GROUT TO COMPLY WITH ASTM C 476, PORTLAND CEMENT TYPE, 8 TO 11 INCH SLUMP.
3. JOINT REINFORCEMENT: ASTM A 951, MILL GALVANIZED STEEL FOR INTERIOR WALLS, HOT-DIPPED GALVANIZED STEEL FOR EXTERIOR WALLS, W1.7 OR 0.148 INCH WIRE SIZE FOR SIDE RODS AND CROSS RODS, LADDER OR TRUSS TYPE FOR SINGLE WYTHE WALLS, ADJUSTABLE TWO PIECE TYPE FOR MULTI WYTHE MASONRY WALLS WITH TIES EXTENDING INTO FACING FACING WYTHE AND ENGAGING EYES WELDED TO LADDER OR TRUSS TYPE REINFORCING IN BACKING WYTHE.
4. BAR REINFORCEMENT: ASTM A 615 OR A 996, GRADE 60, UNCOATED STEEL UNLESS OTHERWISE INDICATED.
5. ADJUSTABLE MASONRY VENEER ANCHORS FOR STUDWALL BACK-UP: DUR-O-

055000 - METAL FABRICATIONS:

A. MATERIALS AND FABRICATION:
   A. STEEL PLATES, SHAPES AND BARS: ASTM A 36.
   B. ROLLED STEEL FLOOR PLATE: ASTM A 786.
   C. STEEL TUBING: ASTM A 500 COLD-FORMED.
   D. STEEL PIPE: ASTM A 53, STANDARD WEIGHT (SCHEDULE 40) UNLESS OTHERWISE INDICATED.
   E. PROVIDE MISCELLANEOUS FRAMING AND SUPPORTS FOR ITEMS SUCH AS, OPERABLE PARTITIONS, TOILET COMPARTMENTS, OVERHEAD DOORS, COUNTERTOPS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
   F. ELEVATOR MACHINE BEAMS, HOIST BEAMS, DIVIDER BEAMS, SUPPORT, ANGLES FOR ELEVATOR DOOR SILLS: PROVIDE AS SHOWN OR REQUIRED BY MANUFACTURER.
   G. LOOSE LINTELS AND SHELF ANGLES; AS INDICATED ON DRAWINGS. PROVIDE MINIMUM 8 INCH BEARING LENGTH EACH SIDE OF LINTELS.
   H. CORNER GUARDS AND ANGLE EDGES: ANGLE SHAPES AS INDICATED.
   I. METAL LADDERS: AS DETAILED, ALL WELDED CONSTRUCTION. PROVIDE NON-SLIP COATING ON TOP OF RUNGS, MEBAC, SLIPNOT OR APPROVED EQUIVALENT.
   J. METAL BOLLARDS: FABRICATE FROM SCHEDULE 80 STEEL PIPE. PROVIDE STEEL SLEEVES WITH STEEL BASE PLATE FOR BOLLARD ANCHORAGE.
   K. CAST IRON STAIR NOSINGS: CAST GRAY IRON, CLASS 20, 4 INCHES WIDE WITH ONE INCH LIP, AND CROSS HATCHED FINISH.
   L. FABRICATE ITEMS IN SHOP TO GREATEST EXTENT POSSIBLE. FABRICATE AND INSTALL EXPOSED ITEMS WITH HAIRLINE JOINTS AND WELDS GROUND SMOOTH AND FLUSH.
   M. HOT-DIP GALVANIZE ITEMS IN OR FOR EXTERIOR CONSTRUCTION, COMPLYING WITH ASTM A 123 AND ASTM A 153. APPLY SHOP PRIMER TO ALL ITEMS, USING PRIMER SPECIFIED IN SECTION 09900 OR 09960 AS APPLICABLE.
   N. NONSHRINK NONMETALLIC GROUT: ASTM C 1107, EXTERIOR OR INTERIOR TYPE AS APPLICABLE.

B. INSTALLATION: LEVEL, PLUMB, AND SECURE. FILL VOIDS AND LEVEL WITH NONSHRINK NONMETALLIC GROUT WHERE REQUIRED AND WHERE INDICATED. CLEAN AND TOUCH UP ABRADED AND UNPRIMED AREAS WITH SAME MATERIAL USED FOR SHOP PRIMER.

C. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS.

061000 - ROUGH CARPENTRY:

A. MATERIALS AND FABRICATION:
   1. DIMENSION LUMBER: COMPLY WITH PS 20 AND REQUIREMENTS OF SPECIFIED GRADING AGENCIES.
      A. IF NO SPECIES IS SPECIFIED, PROVIDE ANY SPECIES GRADED BY THE AGENCY SPECIFIED; IF NO GRADING AGENCY IS SPECIFIED, PROVIDE LUMBER GRADED BY ANY GRADING AGENCY MEETING THE SPECIFIED REQUIREMENTS.
      B. LUMBER FABRICATED FROM OLD GROWTH TIMBER IS NOT PERMITTED.
      C. SIZES: NOMINAL SIZES AS INDICATED ON DRAWINGS AND/OR AS REQUIRED BY EXISTING FIELD CONDITIONS, S4S.
      D. MOISTURE CONTENT: S-DRY OR MC19.
      E. MISCELLANEOUS FRAMING, BLOCKING, NAILERS, GROUNDS, AND FURRING:
         a. LUMBER: S4S, NO. 2 OR STANDARD GRADE.
         b. BOARDS: STANDARD OR NO. 3.
   2. WOOD BLOCKING AND NAILERS: DOC PS 20, STANDARD, STUD OR NO. 3 GRADE, S4S. 19% MAXIMUM MOISTURE CONTENT.
   3. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA C2, WITH CHEMICALS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. TREAT WOOD BLOCKING AND NAILERS USED IN CONJUNCTION WITH ROOFING, FLASHING, WATERPROOFING, EXTERIOR CONSTRUCTION, OR IN CONTACT WITH CONCRETE FLOOR SLABS AND FOUNDATIONS.
   4. FIRE RETARDANT TREATMENT: AWPA C20, WITH NON-CORRODING CHEMICALS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. TREAT WOOD BLOCKING AND NAILERS USED IN INTERIOR CONSTRUCTION FOR MEMBERS 2X4 AND LARGER.
   5. FASTENERS: TO SUIT CONSTRUCTION INVOLVED, AND PROVIDING SECURE ATTACHMENT, HOT-DIP GALVANIZED WHEN USED IN CONSTRUCTION WITH ROOFING OR EXTERIOR CONSTRUCTION.

B. INSTALLATION: PLUMB, TRUE TO LINE, CUT, FITTED, AND SECURELY ATTACHED. APPLY FIELD TREATMENT TO CUT SURFACES OF PRESERVATIVE TREATED LUMBER TO COMPLY WITH AWPA M4. RECESS BOLTS AND NUTS FLUSH WITH SURFACES UNLESS OTHERWISE INDICATED.

C. SUBMITTALS: NONE REQUIRED.

062000 - FINISH CARPENTRY:

A. MATERIALS AND FABRICATION:
   a. LUMBER FOR SHIMMING, BLOCKING.
   b. WOOD FILLER: SOLVENT BASE, TINTED TO MATCH SURFACE FINISH COLOR.
   c. ADHESIVES: TYPE RECOMMENDED BY FABRICATOR TO SUIT APPLICATION.
   d. SHOP ASSEMBLE WORK FOR DELIVERY TO SITE, PERMITTING PASSAGE THROUGH BUILDING OPENINGS.
   e. WHEN NECESSARY TO CUT AND FIT ON SITE, PROVIDE MATERIALS WITH AMPLE ALLOWANCE FOR CUTTING. PROVIDE TRIM FOR SCRIBING AND SITE CUTTING.
   f. FINISHING
      - SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS.
      - APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS.
      - ON ITEMS TO RECEIVE TRANSPARENT FINISHES, USE WOOD FILLER THAT MATCHES SURROUNDING SURFACES AND IS OF TYPE RECOMMENDED FOR THE APPLICABLE FINISH.
      - FINISH WORK IN ACCORDANCE WITH AWI/AWMAC/WI (AWS) OR AWMAC/WI (NAAWS), SECTION 5 - FINISHING FOR GRADE SPECIFIED AND AS FOLLOWS:
        1. TRANSPARENT:
           A. SYSTEM - 1, LACQUER, NITROCELLULOSE.
           B. STAIN: REFER TO MATERIAL LEGEND.

B. INSTALLATION: SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, PLUMB AND LEVEL. CAREFULLY SCRIBE WORK ABUTTING OTHER COMPONENTS, WITH MAXIMUM GAPS OF 1/32 INCH. DO NOT USE ADDITIONAL OVERLAY TRIM TO CONCEAL LARGER GAPS.

C. SUBMITTALS: NONE REQUIRED.

064020 - INTERIOR ARCHITECTURAL WOODWORK:

A. MANUFACTURERS/ PRODUCTS:
   1. HIGH PRESSURE DECORATIVE LAMINATE: FORMICA CORP., NEVAMAR, PIONEER PLASTIC CORP., WILSONART INTERNATIONAL.
   2. SOLID SURFACING MATERIALS: DUPONT POLYMERS (CORIAN), NEVAMAR (FOUNTAINHEAD), LG INTERNATIONAL (HI MACS).
   3. WOOD VENEER FACED CABINETS AT RESIDENTIAL SUITES: BIRCH, PLAIN SLICED, RANDOM-MATCHED.

B. MATERIALS AND FABRICATION:
   1. AWI QUALITY STANDARD: PREMIUM UNLESS OTHERWISE INDICATED.
   2. HARDBOARD: AHA A135.4
   3. MEDIUM DENSITY FIBERBOARD: ANSI A208.2, GRADE MD- EXTERIOR GLUE.
   4. PARTICLEBOARD: ANSI A208.1, GRADE H-1 OR H-2 WITH EXTERIOR GLUE.
   5. HARDWOOD PLYWOOD AND FACE VENEERS: HPVA HP-1.
   6. TACKBOARD: NATURAL CORK, 1/4 INCH THICK, FINE GRAIN COMPLYING WITH MS ML-C15116, TYPE II.
   7. CABINET HARDWARE: BHMA 156.9, SEMICONCEALED BUTT HINGES, 4 INCH X 5/16 INCH DIAMETER WIRE PULLS, MAGNETIC CATCHES, TWO PIN SHELF RESTS WITH SHELF HOLD-DOWN CLIP. HEAVY DUTY DRAWER SLIDES SIDE-MOUNTED FULL EXTENSION STEEL WITH STEEL BALL BEARINGS, DOOR AND DRAWER LOCKS BHMA A 156.11 DEADBOLT TYPE WITH ALL LOCKS WITHIN A ROOM KEYED ALIKE, TWO INCH PLASTIC CABLE GROMMETS, EXPOSED FINISH SATIN CHROME OR STAINLESS STEEL.
   8. INTERIOR STANDING AND RUNNING TRIM: PLAIN SLICED HARD MAPLE.
   9. TRANSPARENT FINISH WOOD CABINETS: AWI SECTION 400, FLUSH OVERLAY CONSTRUCTION, CORE MATERIAL OF MEDIUM DENSITY FIBERBOARD, HIGH DENSITY PARTICLEBOARD OR HARDWOOD PLYWOOD, PLAIN SLICED HARD MAPLE VENEER BOOK MATCHED AND BALANCE CENTER MATCHED, SEMIEXPOSED SURFACES OF SAME VENEER EXCEPT DRAWER BODIES MAY BE OF COMPATIBLE HARDWOOD SPECIES.
   10. PLASTIC LAMINATE CABINETS: AWI SECTION 400, FLUSH OVERLAY CONSTRUCTION, CORE MATERIAL OF MEDIUM DENSITY FIBERBOARD OR HIGH DENSITY PARTICLEBOARD, EXPOSED SURFACES NEMA LD3 GRADE HGS FOR HORIZONTAL SURFACES AND VGS FOR VERTICAL SURFACES AND WITH 3mm PVC EDGEBANDS, SEMIEXPOSED SURFACES NEMA LD3 GRADE CLS FOR CABINET INTERIOR VERTICAL SURFACES AND DRAWER BOTTOMS, GRADE HGS FOR CABINET INTERIOR BOTTOMS AND SHELVING, GRADE VGS FOR BACKS OF DOORS AND DRAWER FRONTS AND WITH 3mm PVC EDGEBANDS.
   11. TRANSPARENT FINISH WOOD COUNTERTOPS: AWI SECTION 4OO, VENEERED PANEL WITH MEDIUM DENSITY FIBERBOARD OR HIGH DENSITY PARTICLEBOARD OR HARDWOOD PLYWOOD CORE AND PLAIN SLICED HARD MAPLE VENEER, BOOK MATCHED AND BALANCE CENTER MATCHED AND WITH MATCHING SOLID WOOD OR VENEER EDGE.
   12. PLASTIC LAMINATE COUNTERTOPS: AWI SECTION 400, NEMA LD3 GRADE HGS LAMINATE OVER MEDIUM DENSITY FIBERBOARD OR HIGH DENSITY PARTICLEBOARD CORE WITH 3mm PVC EDGEBANDS.
   13. SOLID SURFACING MATERIAL COUNTERTOPS: AWI SECTION 400, 1/2 INCH (13mm) THICK, INTEGRAL SINK BOWLS.
   14. SOLID SURFACING MATERIAL WINDOW SILLS: AWI SECTION 400 AS APPLICABLE, 1/2 INCH (13mm) THICK.
   15. CLOSET AND UTILITY SHELVING: AWI SECTION 600, CUSTOM GRADE, NEMA LD3 GRADE HGS LAMINATE SURFACES, ADJUSTABLE SHELF STANDARDS BHMA 156.9 EXTRA HEAVY DUTY, STEEL PIPE OR TUBING CLOTHES POLE WITH BRACKET SUPPORTS, SATIN CHROME PLATED FINISH
   16. TRANSPARENT FINISH: AWI SECTION 01500, SYSTEM TR-4 OR TR-6, STAIN COLOR AS SELECTED BY ARCHITECT, OPEN FINISH, SATIN SHEEN.

C. INSTALLATION: COMPLY WITH AWI SECTION 01700. INSTALL SECURELY WITH MINIMUM JOINTS AND COUNTERSUNK CONCEALED FASTENERS AND BLIND NAILING.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLE

07210 - BUILDING INSULATION:

A. MANUFACTURERS/ PRODUCTS:
   1. EXTRUDED POLYSTYRENE BOARD INSULATION: DIVERSI FOAM PRODUCTS, DOW CHEMICAL CO., OWENS CORNING.
   2. POLYISOCYANURATE (ISO) BOARD INSULATION: DOW CHEMICAL CO., CERTAINTEED, OWENS CORNING.
   3. GLASS-FIBER INSULATION: CERTAINTEED CORP., KNAUF FIBER GLASS, OWENS CORNING.
   4. MINERAL FIBER BATT INSULATION: JOHN MANSVILLE, KNAUF INSULATION, ROCKWOOL.
   5. EXPANDING FOAM INSULATION: ICYNENE INC, OR APPROVED EQUIVALENT.

B. MATERIALS AND FABRICATION:
   1. EXTRUDED POLYSTYRENE BOARD INSULATION: ASTM C 578, TYPE VI (1.80 lb./ cu. ft.), MAX. FLAME SPREAD AND SMOKE DEVELOPED INDICES OF 75 AND 450 RESPECTIVELY, R-VALUE OF 5 PER INCH THICKNESS. PROVIDE TYPE VII (60 psi) UNDER ALL STOOP APPLICATIONS.
   2. POLYISOCYANURATE (ISO) BOARD INSULATION: ASTM C1289, TYPE II, CLASS 1 - FACED WITH GLASS FIBER REINFORCED CELLULOSIC FELT FACERS ON BOTH MAJOR SURFACES OF CORE FOAM; COMPRESSIVE STRENGTH: CLASSES 1-2-3, GRADE 1- 16 psi (110 kPa), MINIMUM, THERMAL RESISTANCE, R-VALUE: AT 1-1/2 INCH THICK; CLASS 1, GRADES 1-2-3 - 8.4 (1.48) AT 75 DEGREES F; BOARD SIZE: 48 INCH BY 96 INCH; BOARD THICKNESS: 1.5 INCH.
   3. UNFACED GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE I, CLASS A, CATEGORY 1, FACED WITH FOIL SCRIM KRAFT VAPOR RETARDER, MANUFACTURED OF GLASS FIBERS WITH MAX. FLAME SPREAD AND SMOKE DEVELOPED INDICES OF 25 AND 50 RESPECTIVELY, R-VALUE AS INDICATED ON DRAWINGS.
   4. FACED GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE III, CLASS A, CATEGORY 1 FACED WITH FOIL SCRIM KRAFT, FOIL SCRIM OR FOIL SCRIM POLYETHYLENE VAPOR RETARDER MEMBRANE, MANUFACTURED OF GLASS FIBERS WITH MAX. FLAME SPREAD OF 25 AND R-VALUE AS INDICATED ON DRAWINGS.
   5. MINERAL FIBER BATT INSULATION: FLEXIBLE OR SEMI-RIGID PREFORMED BATT OR BLANKET, COMPLYING WITH ASTM C665; FRICTION FIT; UNFACED FLAME SPREAD INDEX OF 0 (ZERO) WHEN TESTED IN ACCORDANCE WITH ASTM E84; SMOKE DEVELOPED INDEX: 0 (ZERO), WHEN TESTED IN ACCORDANCE WITH ASTM E84; THERMAL RESISTANCE: AS INDICATED ON DRAWINGS; THICKNESS: AS INDICATED ON DRAWINGS.
   6. EXPANDING FOAM INSULATION: POLYICYNENE INSULATION APPLIED BY SPRAYING. LIQUID COMPONENTS, WHICH EXPAND IN SECONDS TO PROVIDE A FLEXIBLE FOAM BLANKET OF AIR CELLS, PROVIDING R-VALUE OF 3.6 hr. ft^2 DEGREES F./BTU PER ASTM C 518, AIR PERMEANCE OF 0.0080 L/s-m2 AT 2 Pa FOR 3.25 INCH THICKNESS PER ASTM E 283, WITH FLAME SPREAD OF 25 OR LESS SMOKE DEVELOPED 450 OR LESS AND ZERO FUEL CONTRIBUTION PER ASTM E 84, IS WATER REPELLENT AND IS SPRAYED WITHOUT HFA'S, HCFC'S, FORMALDEHYDE OR OTHER OZONE-DESTROYING GASES.
   7. VAPOR RETARDER: ASTM D 4397, 6 MIL. POLYETHYLENE FILM WITH MAX. 013 PERM RATING.
   8. ACCESSORIES: AS RECOMMENDED BY MANUFACTURERS NECESSARY TO PROPERLY INSTALL PRODUCTS INDICATED.

C. INSTALLATION: CLEAN, PREPARE SUBSTRATES AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS APPLICABLE TO APPLICATION INDICATED. INSTALL WITH TIGHT JOINTS TO MAINTAIN CONTINUITY OF INSULATION VALUE.

D. SUBMITTALS: PRODUCT DATA.

072500 - WEATHER BARRIERS:

A. MANUFACTURERS/ PRODUCTS:
   1. AIR/WATER/VAPOR BARRIER MATERIALS: WR MEADOWS.
   2. SUSPENDED BALCONY WATERPROOFING MEMBRANE: WR MEADOWS.
   3. AIR BARRIER MATERIALS: DUPONT COMPANY, NATIONAL SHELTER PRODUCTS.

B. MATERIALS AND FABRICATION:
   1. AIR/WATER/VAPOR BARRIER. ELASTOMERIC BITUMEN, ROLLER APPLIED; PROVIDE AS CONTINUOUS AIR, WATER AND VAPOR BARRIER MEMBRANE; THICKNESS: 15 MIL, NOMINAL; MAXIMUM VAPOR PERMEABILITY (PERM): 1 ng/S/m/pa; THINNERS AND CLEANERS: AS RECOMMENDED BY LIQUID MATERIAL MANUFACTURER; EDGE, PENETRATION, AND JOINT SEAL: RUBBERIZED ASPHALT BONDED TO POLYETHELYNE SHEET, SELF-ADHERING TYPE; 6 INCHES WIDE.
   2. SUSPENDED BALCONY WATERPROOFING MEMBRANE: 60 MIL COMPOSITE, SELF-ADHERED SHEET MEMBRANE COMPRISED OF A NON-WOVEN FABRIC, ELASTOMERIC MEMBRANE, AND COATED RELEASE PAPER; PRE-APPLIED WATERPROOFING MEMBRANE SPECIFICALLY DESIGNED FOR HORIZONTAL SUSPENDED BALCONY SLABS THAT WILL RECEIVE A CONCRETE TOPPING; COMPATIBLE SUBSTRATES INCLUDE PLYWOOD AND CONCRETE.
   3. AIR BARRIER SHEET, MECHANICALLY FASTENED: AIR PERMEANCE: 0.004 CUBIC FEET PER MINUTE PER SQUARE FOOT, MAXIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM E2178; WATER VAPOR PERMEANCE: 5 PERMS, MINIMUM, WHEN TESTED IN ACCORDANCE WITH ASTM E96/E96M PROCEDURE A 90ESICCANT PROCEDURE); WATER PENETRATION RESISTANCE: WITHSTAND A WATER HEAD OF 21 INCHES, MINIMUM, FOR MINIMUM OF 5 HOURS, WHEN TESTED IN ACCORDANCE WITH AATCC 127; ULTRAVIOLET AND WEATHERING RESISTANCE: APPROVED IN WRITING BY MANUFACTURER FOR MINIMUM OF 180 DAYS WEATHER EXPOSURE.

C. INSTALLATION: CLEAN, PREPARE SUBSTRATES AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS APPLICABLE TO APPLICATION INDICATED. INSTALL WITH TIGHT JOINTS TO MAINTAIN CONTINUITY OF INSULATION VALUE.

D. SUBMITTALS: PRODUCT DATA.

07240- EXTERIOR FINISH SYSTEM-CLASS PB:

A. MANUFACTURERS AND PRODUCTS: DRYVIT SYSTEMS INC, FINESTONE, SENERGY INC, STO CORP, OR TEC INC..

B. MATERIALS AND FABRICATION:

   1. SUBSTRATE BOARD: 5/8" INCH TYPE X, G-P DENSGLASS GOLD OR USG FIBEROCK SHEATHING WITH AQUA-TOUGH.
   2. BASE COAT: PORTLAND CEMENT AND POLYMER MIXTURE.
   3. FINISH COAT: ACRYLIC-BASED COATING.
   4. REINFORCING MESH: GLASS FIBER OPEN WEAVE MESH, WEIGHT NOT LESS THAN 4 OZ/ SQUARE YARD.
   5. PRIMERS: AS REQUIRED BY FINISH SYSTEM MANUFACTURER.
   6. SOFFIT VENT: ALUMINUM, FRY REGLET 1680V OR APPROVED EQUAL, COLOR AS SELECTED BY ARCHITECT.
   7. FINAL COLOR AND TEXTURE: SMOOTH FINISH TEXTURE IN COLOR SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

C. INSTALLATION: INSTALL SUBSTRATE BOARD ON FRAMING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. APPLY BASE COAT, EMBED MESH, AND APPLY FINISH COAT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND FINAL APPROVED SAMPLE. INSTALL SOFFIT VENT WHERE INDICATED, CONTINUOUS TYPE.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES.

074747 - FIBER CEMENT SIDING:

A. MANUFACTURERS AND PRODUCTS: NICHIHA USA, INC..

B. MATERIALS AND FABRICATION:
   a. MATERIALS: FIBER CEMENT PANELS ARE MANUFACTURED FROM A PRESSED, STAMPED AND AUTOCLAVED MIX OF PORTLAND CEMENT, FLY ASH, RECYCLED REJECTS AND WOOD FIBER BUNDLES.
   b. FINAL COLOR AND TEXTURE: AS INDICATED ON DRAWINGS.

C. INSTALLATION:
   a. INSTALL PRODUCTS IN ACCORDANCE WITH LATEST MANUFACTURER'S WRITTEN INSTALLATION GUIDELINES.
      - CONSULT WITH YOUR LOCAL DEALER OF NICHIHA TECHNICAL DEPARTMENT BEFORE INSTALLING ANY NICHIHA FIBER CEMENT PRODUCT ON A BUILDING HIGHER THAN 45 FEET OR THREE STORIES; SPECIAL INSTALLATION CONDITIONS MAY BE REQUIRED.
   b. ALWAYS CUT FIBER CEMENT PANELS OUTSIDE OR IN A WELL VENTILATED AREA; DO NOT CUT IN AN ENCLOSED AREA.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES.

E. WARRANTY: MANUFACTURER'S 25 YEAR WARRANTY AGAINST MANUFACTURING DEFECTS.

08114 - CUSTOM STEEL DOORS AND FRAMES:

A. MANUFACTURERS/ PRODUCTS: AMWELD BUILDING PRODUCTS, INC., CECO DOOR COMPANY, CURRIES COMPANY, DONNER PRODUCTS, INC., PIONEER INDUSTRIES, STEELCRAFT; A DIVISION OF INGERSOLL-RAND

B. MATERIALS AND FABRICATION: CONFORM TO ANSI/ NAAMM - HMMA 861 AND REQUIREMENTS SPECIFIED HERE.

   1. DOORS: FLUSH DESIGN, SEAMLESS CONSTRUCTION WITH STEEL STIFFENED CORE AND SOUND DEADENER BETWEEN STIFFENERS, FIRE DOOR CORE TO COMPLY WITH REQUIRED FIRE RATING, COLD-ROLLED FACE SHEETS 0.0478 INCH THICK FOR INTERIOR DOORS, 0.0598 INCH THICK FOR EXTERIOR DOORS.

   2. FRAMES: FULL WELDED UNIT CONSTRUCTION WITH CORNERS MITERED AND REINFORCED, FORMED FROM HOT OR COLLED ROLLED SHEETS 0.0598 INCH THICK FOR INTERIOR FRAMES 48 INCHES OR LESS IN WIDTH, 0.0747 INCH THICK FOR INTERIOR FRAMES GREATER THAN 48 INCHES WIDE AND ALL EXTERIOR FRAMES.

   3. EXTERIOR DOORS AND FRAMES GALVANIZED WITH G60 COATING.

   4. ALL DOORS AND FRAMES FACTORY PRIMED WITH COATING SPECIFIED IN SECTION 09900 OR 09960.

   5. FIRE RATED DOORS AND FRAMES TO COMPLY WITH NFPA 80.

   6. REINFORCE ALL DOORS AND FRAMES FOR HARDWARE.

   7. INSTALLATION: CONFORM TO DHI A115.IG AND MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL FIRE RATED DOORS AND FRAMES PER NFPA 80.

   8. WELD JAMB ANCHORS TO FRAMES FOR NEW MASONRY, CONCRETE AND STEEL STUD CONSTRUCTION; FLUSH EXPANSION BOLT ANCHORS FOR EXISTING MASONRY AND CONCRETE.

A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

08211 - FLUSH WOOD DOORS:

A. MANUFACTURERS/ PRODUCTS: ALGOMA HARDWOODS, EGGERS INDUSTRIES, VT INDUSTRIES INC., MARSHFIELD DOORS

B. MATERIALS AND FABRICATION: PROVIDE FACTORY FITTED AND MACHINED WOOD DOORS THAT COMPLY WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS ILLUSTRATED".

   1. DOORS FOR TRANSPARENT FINISH:
      A. INTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH GRADE AA FACES, VENEER SPECIES AND CUT SELECTED BY ARCHITECT, BOOK MATCH BETWEEN VENEER LEAVES, CENTER BALANCE ASSEMBLY OF VENEER LEAVES ON DOOR FACES. PROVIDE EITHER GLUED WOOD STAVE OR STRUCTURAL COMPOSITE LUMBER CORE.
   2. DOORS FOR OPAQUE FINISH:
      A. EXTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH ANY CLOSED GRAIN HARDWOOD VENEER OF MIL OPTION. PROVIDE EITHER GLUED WOOD STAVE OR STRUCTURAL COMPOSITE LUMBER CORE.
      B. INTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH ANY CLOSED GRAIN HARDWOOD VENEER OF MIL OPTION. PROVIDE EITHER PARTICLEBOARD OR GLUED WOOD STAVE CORE.
   3. 3. FIRE RATED DOORS:
      A. CONSTRUCTION: CONSTRUCTION AND CORE SPECIFIED ABOVE FOR TYPE OF FACE INDICATED OR MANUFACTURER'S STANDARD MINERAL CORE CONSTRUCTION AS NEEDED TO PROVIDE FIRE RATING INDICATED.
      B. EDGE CONSTRUCTION: INTUMESCENT SEALS CONCEALED BY OUTER STILE MATCHING FACE VENEER AND LAMINATED BACKING FOR IMPROVED SCREW HOLDING CAPABILITY AND SPLIT RESISTANCE.
   4. LOUVERS AND LIGHT FRAMES:
      A. LOUVERS: PROVIDE 0.040 INCH THICK HOT-DIP ZINC COATED GALVANIZED STEEL, FACTORY PRIMED FOR PAINT FINISH. FOR FIRE RATED LOUVERS, PROVIDE METAL LOUVERS WITH FUSIBLE LINK AND CLOSING DEVICES.
      B. LIGHT FRAMES: PROVIDE MANUFACTURERS STANDARD FRAME FORMED OF 0.0478 INCH THICK COLD ROLLED STEEL SHEET, FACTORY PRIMED AND APPROVED FOR USE IN FIRE RATED DOORS OF FIRE RATING INDICATED.
   5. FACTORY FINISHED WOOD DOORS:

      A. A. TRANSPARENT FINISH: PREMIUM GRADE, AWI SYSTEM TR-4 CONVERSION VARNISH OR TR-6 CATALYZED POLYURETHANE FINISH, OPEN GRAIN FINISH, SATIN SHEEN, COLOR SELECTED BY ARCHITECT.
      B. B. OPAQUE FINISH: PREMIUM GRADE, AWI SYSTEM OP-2 CATALYZED LACQUER, SEMIGLOSS SHEEN. COLOR SELECTED BY ARCHITECT.

C. INSTALLATION: COMPLY WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS ILLUSTRATED" AND NFPA 80 FOR FIRE RATED DOORS. INSTALL FACTORY FITTED DOORS WITH UNIFORM CLEARANCE AT EACH EDGE.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER ROOFING (EPDM) - ADHERED:

A. MANUFACTURERS AND PRODUCTS: CARLISLE SYN TEC, FIRESTONE BUILDING PRODUCTS CO, GENFLEX ROOFING SYSTEMS.

B. MATERIALS AND FABRICATION:
   a. ROOFING AND FLASHING MEMBRANE: BLACK, CURED SYNTHETIC SINGLE-PLY MEMBRANE COMPOSED OF ETHYLENE PROPYLENE DIENE TERPOLYMER (EPDM) WITH THE FOLLOWING PROPERTIES
      - THICKNESS: 0.060 INCH (1.5 MM)
      - NOMINAL THICKNESS TOLERANCE: PLUS/MINUS 10 PERCENT.
      - SHEET WIDTH: PROVIDE THE WIDEST AVAILABLE SHEETS TO MINIMIZE FIELD SEAMING.
   b. VAPOR RETARDER: POLYETHYLENE (6 MIL MINIMUM) OR EQUIVALENT COMPLYING WITH REQUIREMENTS OF FIRE RATING CLASSIFICATION AND COMPATIBLE WITH ROOFING AND INSULATION MATERIALS.
   c. MEMBRANE FASTENERS: TYPE AND SIZE AS REQUIRED BY ROOF MEMBRANE MANUFACTURER FOR ROOFING SYSTEM AND WARRANTY TO BE PROVIDED; USE ONLY FASTENERS FURNISHED BY ROOF MEMBRANE MANUFACTURER.
   d. FLASHING MEMBRANE: SELF-CURING, NON-REINFORCED MEMBRANE COMPOSED OF NONVULCANIZED EPDM RUBBER, COMPLYING WITH ASTM D4811 TYPE II, AND WITH THE FOLLOWING PROPERTIES:
      - THICKNESS: 0.055 INCH (1.4 MM).
      - ACCEPTABLE PRODUCT: RUBBERGARD EPDM FORMFLASH BY FIRESTONE.
   e. SELF-ADHESIVE FLASHING MEMBRANE: SEMI-CURED 45 MIL EPDM MEMBRANE LAMINATED TO 35 MIL (0.9 MM) EPDM TAPE ADHESIVE; QUICKSEAM FLASHING BY FIRESTONE.
   f. PRE-MOLDED PIPE FLASHINGS: EPDM, MOLDED FOR QUICK ADAPTATION TO DIFFERENT SIZED PIPES; FIRESTONE EPDM PIPE FLASHING.
   g. SELF-ADHESIVE LAP SPLICE TAPE: 35 MIL (0.9 MM) EPDM-BASED, FORMULATED FOR COMPATIBILITY WITH EPDM MEMBRANE AND HIGH-SOLIDS PRIMER; QUICKSEAM SPLICE TAPE BY FIRESTONE.
   h. SPLICE ADHESIVE: SYNTHETIC POLYMER-BASED, FORMULATED FOR COMPATIBILITY WITH EPDM MEMBRANE AND METAL SURFACES; SA-1065 SPLICE ADHESIVE BY FIRESTONE.
   i. BONDING ADHESIVE: NEOPRENE-BASED, FORMULATED FOR COMPATIBILITY WITH EPDM MEMBRANE AND WIDE VARIETY OF SUBSTRATE MATERIALS, INCLUDING MASONRY, WOOD, AND INSULATION FACINGS; BONDING ADHESIVE BA-2004 BY FIRESTONE.
   j. ADHESIVE PRIMER: SYNTHETIC RUBBER-BASED PRIMER FORMULATED FOR COMPATIBILITY WITH EPDM MEMBRANE AND TAPE ADHESIVE, WITH VOC CONTENT LESS THAN 2.1 LB/GAL (250 G/L); QUICKPRIME PLUS LVOC BY FIRESTONE.
   k. SEAM EDGE TREATMENT: EPDM RUBBER-BASED SEALANT, FORMULATED FOR SEALING EXPOSED EDGES OF MEMBRANE AT SEAMS; LAP SEALANT HS BY FIRESTONE.
   l. POURABLE SEALER: TWO-PART POLYURETHANE, TWO-COLOR FOR RELIABLE MIXING; POURABLE SEALER BY FIRESTONE.
   m. WATER BLOCK SEAL: BUTYL RUBBER SEALANT FOR USE BETWEEN TWO SURFACES, NOT EXPOSED; WATER BLOCK SEAL BY FIRESTONE.
   n. METAL PLATES AND STRIPS USED FOR FASTENING MEMBRANE AND INSULATION: STEEL WITH GALVALUME COATING; CORROSION-RESISTANCE MEETING FM 4470 CRITERIA.
   o. TERMINATION BARS: ALUMINUM BARS WITH INTEGRAL CAULK LEDGE; 1.3 INCHES (33 MM) WIDE BY 0.10 INCH (2.5 MM) THICK; FIRESTONE TERMINATION BAR BY FIRESTONE.
   p. POLYISOCYANURATE BOARD INSULATION: CLOSED CELL POLYISOCYANURATE FOAM WITH BLACK GLASS REINFORCED MAT LAMINATED TO FACES, COMPLYING WITH ASTM C1289 TYPE II CLASS 1, WITH THE FOLLOWING ADDITIONAL CHARACTERISTIC
      - THICKNESS: AS INDICATED ELSEWHERE.
      - SIZE: 48 INCHES (1220 MM) BY 96 INCHES (2440 MM), NOMINAL.
        1. EXCEPTION: INSULATION TO BE ATTACHED USING ADHESIVE OR ASPHALT MAY BE NO LARGER THAN 48 INCHES (1220 MM) BY 48 INCHES (1220 MM), NOMINAL.
      - R-VALUE (LTTR):
        1. 1.0 INCH (25 MM) THICKNESS: 6.0, MINIMUM.
        2. 1.25 INCH (32 MM) THICKNESS: 7.5, MINIMUM.
        3. 1.5 INCH (38 MM) THICKNESS: 9.0, MINIMUM.
        4. 1.75 INCH (44 MM) THICKNESS: 10.5, MINIMUM.
        5. 2.0 INCH (51 MM) THICKNESS: 12.1, MINIMUM.
        6. 3.0 INCH (76 MM) THICKNESS: 18.5, MINIMUM.
        7. 4.0 INCH (102 MM) THICKNESS: 25.0, MINIMUM.
      - COMPRESSIVE STRENGTH: 20 PSI (138 KPA) WHEN TESTED IN ACCORDANCE WITH ASTM C1289.
      - OZONE DEPLETION POTENTIAL: ZERO; MADE WITHOUT CFC OR HCFC BLOWING AGENTS.
      - RECYCLED CONTENT: 19 PERCENT POST-CONSUMER AND 15 PERCENT POST-INDUSTRIAL AVERAGE.
   q. GYPSUM-BASED COVER BOARD: NON-COMBUSTIBLE, WATER RESISTANT GYPSUM CORE WITH EMBEDDED GLASS MAT FACERS, COMPLYING WITH ASTM C1177/C1177M, AND WITH THE FOLLOWING ADDITIONAL CHARACTERISTICS:
      - SIZE: 48 INCHES (1220 MM) BY 96 INCHES (2440 MM), NOMINAL.
        1. EXCEPTION: BOARD TO BE ATTACHED USING ADHESIVE OR ASPHALT MAY BE NO LARGER THAN 48 INCHES (1220 MM) BY 48 INCHES (1220 MM), NOMINAL.
      - THICKNESS: AS INDICATED ELSEWHERE.
      - SURFACE WATER ABSORPTION: 2.

08114 - CUSTOM STEEL DOORS AND FRAMES:

A. MANUFACTURERS/ PRODUCTS: AMWELD BUILDING PRODUCTS, INC., CECO DOOR COMPANY, CURRIES COMPANY, DERONDE PRODUCTS, INC., PIONEER INDUSTRIES, STEELCRAFT; A DIVISION OF INGERSOLL-RAND

B. MATERIALS AND FABRICATION: CONFORM TO ANSI/ NAAMM - HMMA 861 AND REQUIREMENTS SPECIFIED HERE.

1. DOORS: FLUSH DESIGN, SEAMLESS CONSTRUCTION WITH STEEL STIFFENED CORE AND SOUND DEADENER BETWEEN STIFFENERS, FIRE DOOR CORE TO COMPLY WITH REQUIRED FIRE RATING, COLD-ROLLED FACE SHEETS 0.0478 INCH THICK FOR INTERIOR DOORS, 0.0598 INCH THICK FOR EXTERIOR DOORS.

2. FRAMES: FULL WELDED UNIT CONSTRUCTION WITH CORNERS MITERED AND REINFORCED, FORMED FROM HOT OR COLLED ROLLED SHEETS 0.0598 INCH THICK FOR INTERIOR FRAMES 48 INCHES OR LESS IN WIDTH, 0.0747 INCH THICK FOR INTERIOR FRAMES GREATER THAN 48 INCHES WIDE AND ALL EXTERIOR FRAMES.

3. EXTERIOR DOORS AND FRAMES GALVANIZED WITH G60 COATING.

4. ALL DOORS AND FRAMES FACTORY PRIMED WITH COATING SPECIFIED IN SECTION 09900 OR 09960.

5. FIRE RATED DOORS AND FRAMES TO COMPLY WITH NFPA 80.

6. REINFORCE ALL DOORS AND FRAMES FOR HARDWARE.

7. INSTALLATION: CONFORM TO DHI A115.IG AND MANUFACTURERS WRITTEN INSTRUCTIONS. INSTALL FIRE RATED DOORS AND FRAMES PER NFPA 80.

8. WELD JAMB ANCHORS TO FRAMES FOR NEW MASONRY, CONCRETE AND STEEL STUD CONSTRUCTION; FLUSH EXPANSION BOLT ANCHORS FOR EXISTING MASONRY AND CONCRETE.

A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

08211 - FLUSH WOOD DOORS:

A. MANUFACTURERS/ PRODUCTS: ALGOMA HARDWOODS, EGGERS INDUSTRIES, VT INDUSTRIES INC., MARSHFIELD DOORS

B. MATERIALS AND FABRICATION: PROVIDE FACTORY FITTED AND MACHINED WOOD DOORS THAT COMPLY WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS ILLUSTRATED".

1. DOORS FOR TRANSPARENT FINISH:
   A. INTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH GRADE AA FACES, VENEER SPECIES AND CUT SELECTED BY ARCHITECT, BOOK MATCH BETWEEN VENEER LEAVES, CENTER BALANCE ASSEMBLY OF VENEER LEAVES ON DOOR FACES. PROVIDE EITHER GLUED WOOD STAVE OR STRUCTURAL COMPOSITE LUMBER CORE.
2. DOORS FOR OPAQUE FINISH:
   A. EXTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH ANY CLOSED GRAIN HARDWOOD VENEER OF MILL OPTION. PROVIDE EITHER GLUED WOOD STAVE OR STRUCTURAL COMPOSITE LUMBER CORE.
   B. INTERIOR SOLID CORE DOORS: FIVE PLY BONDED, PREMIUM GRADE WITH ANY CLOSED GRAIN HARDWOOD VENEER OF MIL OPTION. PROVIDE EITHER PARTICLEBOARD OR GLUED WOOD STAVE CORE.
3. 3. FIRE RATED DOORS:
   A. CONSTRUCTION: CONSTRUCTION AND CORE SPECIFIED ABOVE FOR TYPE OF FACE INDICATED OR MANUFACTURER'S STANDARD MINERAL CORE CONSTRUCTION AS NEEDED TO PROVIDE FIRE RATING INDICATED.
   B. EDGE CONSTRUCTION: INTUMESCENT SEALS CONCEALED BY OUTER STILE MATCHING FACE VENEER AND LAMINATED BACKING FOR IMPROVED SCREW HOLDING CAPABILITY AND SPLIT RESISTANCE.
4. LOUVERS AND LIGHT FRAMES:
   A. LOUVERS: PROVIDE 0.040 INCH THICK HOT-DIP ZINC COATED GALVANIZED STEEL, FACTORY PRIMED FOR PAINT FINISH. FOR FIRE RATED LOUVERS, PROVIDE METAL LOUVERS WITH FUSIBLE LINK AND CLOSING DEVICES.
   B. LIGHT FRAMES: PROVIDE MANUFACTURERS STANDARD FRAME FORMED OF 0.0478 INCH THICK COLD ROLLED STEEL SHEET, FACTORY PRIMED AND APPROVED FOR USE IN FIRE RATED DOORS OF FIRE RATING INDICATED.
5. FACTORY FINISHED WOOD DOORS:

   A. A. TRANSPARENT FINISH: PREMIUM GRADE, AWI SYSTEM TR-4 CONVERSION VARNISH OR TR-6 CATALYZED POLYURETHANE FINISH, OPEN GRAIN FINISH, SATIN SHEEN, COLOR SELECTED BY ARCHITECT.
   B. B. OPAQUE FINISH: PREMIUM GRADE, AWI SYSTEM OP-2 CATALYZED LACQUER, SEMIGLOSS SHEEN. COLOR SELECTED BY ARCHITECT.

C. INSTALLATION: COMPLY WITH AWI'S "ARCHITECTURAL WOODWORK QUALITY STANDARDS ILLUSTRATED" AND NFPA 80 FOR FIRE RATED DOORS. INSTALL FACTORY FITTED DOORS WITH UNIFORM CLEARANCE AT EACH EDGE.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

084413 - GLAZED ALUMINUM CURTAIN WALLS:

A. MANUFACTURERS/ PRODUCTS: DESIGN BASED ON KAWNEER COMPANY, 1600 WALL SYSTEM.
B. MATERIALS/FABRICATION:
   1. ALUMINUM EXTRUSIONS:
      A. ALLOY TEMPER RECOMMENDED BY GLAZED ALUMINUM CURTAIN WALL MANUFACTURER FOR STRENGTH, CORROSION RESISTANCE, AND APPLICATION OF REQUIRED FINISH
      B. NOT LESS THAN 0.070" WALL THICKNESS AT ANY LOCATION FOR MAIN FRAME
      C. COMPLYING WITH ASTM B221: 6063-T6 ALLOY AND TEMPER
   2. ALUMINUM SHEET ALLOY: SHALL MEET THE REQUIREMENTS OF ASTM B209
   3. FASTENERS: ALUMINUM NONMAGNETIC STAINLESS STEEL OR OTHER MATERIALS MUST BE NON-CORROSIVE AND COMPATIBLE WITH ALUMINUM MEMBERS, TRIM HARDWARE, ANCHORS AND OTHER COMPONENTS
   4. ANCHORS, CLIPS AND ACCESSORIES:
      A. ALUMINUM, NONMAGNETIC STAINLESS STEEL, OR ZINC-COATED STEEL OR IRON COMPLYING WITH ASTM B 633 FOR SC 3 SEVERE CONDITIONS OR OTHER SUITABLE ZINC COATING
      B. ANCHORS, CLIPS AND ACCESSORIES SHALL PROVIDE SUFFICIENT STRENGTH TO WITHSTAND THE DESIGN PRESSURE INDICATED.
   5. PRESSURE PLATE: PRESSURE PLATE SHALL BE ALUMINUM AND FASTENED TO THE MULLION WITH STAINLESS STEEL SCREWS.
   6. SEALANT: FOR SEALANTS WITHIN FABRICATED CURTAIN WALL SYSTEM, PROVIDE PERMANENTLY ELASTIC, NON-SHRINKING, AND NON-MIGRATING TYPE RECOMMEDED BY SEALANT MANUFACTURER FOR JOINT SIZE AND MOVEMENT.
   7. THERMAL BARRIER: THERMAL SEPARATOR SHALL BE EXTRUDED OF A SILICONE COMPATIBLE ELASTOMER THAT PROVIDES A MINIMUM OF 1/4" SEPARATION.
   8. TOLERANCES: REFERENCES TO TOLERANCES FOR WALL THICKNESS AND OTHER CROSS-SECTION DIMENSIONS OF GLAZED CURTAIN WALL MEMBERS ARE NOMINAL AND IN COMPLIANCE WITH AA ALUMINUM STANDARDS AND DATA.
   9. GLASS: 1" INSULATING
C. INSTALLATION: INSTALL CURTAIN WALL SYSTEMS PLUMB, LEVEL AND TRUE TO LINE, WITHOUT WARP OR RACK OF FRAMES, WITHIN MANUFACTURER'S PRESCRIBED TOLERANCES, AND COMPLYING WITH INSTALLATION INSTRUCTIONS.
D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, SAMPLES.
E. WARRANTY: MANUFACTURER'S TWO-YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

085313 - VINYL WINDOWS:

A. MANUFACTURERS/ PRODUCTS: DESIGN BASED ON VWD, VINYL WINDOW DESIGNS.

B. MATERIALS/FABRICATION:

1. VINYL.

2. WEATHERSTRIPPING: SLIDING OR COMPRESSION TYPE AS REQUIRED, MANUFACTURERS STANDARD MATERIAL.

3. WINDOW TYPES: AWNING.

4. AAMA/WDMA 101/I.S.2/NAFS PERFORMANCE CLASS AND GRADE:C30.

5. CONDENSATION RESISTANCE FACTOR: AAMA1503, CRF 50 MINIMUM.

6. THERMAL TRANSMITTANCE: AAMA 1503, WHOLE WINDOW U FACTOR MAXIMUM 0.65 BTU/SF x HR x DEF F.

7. HARDWARE: GEAR TYPE ROTARY OPERATORS COMPLYING WITH AAMA 901 WHEN TESTED ACCORDING TO ASTM E 405 METHOD A. CAM TYPE LOCK AND LATCH. EXPOSED HARDWARE FINISH: BRONZE.

8. INSECT SCREENS: ALUMINUM FRAMED WITH BRONZE FINISH AND CHARCOAL COLOR ALUMINUM OR FIBERGLASS 8X16 SCREEN MESH.

9. ANCHORS: ALUMINUM, STAINLESS STEEL, OR ZINC-COATED STEEL OF TYPE AND STRENGTH TO WITHSTAND REQUIRED DESIGN PRESSURE.

C. INSTALLATION: EXAMINE OPENINGS FOR ACCEPTABILITY PRIOR TO INSTALLATION. COMPLY WITH FINAL SUBMITTALS AND MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION. SET SILL MEMBERS IN SEALANT OR WITH GASKETS FOR WEATHER-TIGHTNESS. SEPARATE ALUMINUM FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT. ADJUST OPERATING WINDOWS FOR A TIGHT FIT AND SMOOTH OPERATION.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, SAMPLES.

E. WARRANTY: MANUFACTURER'S TWO-YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

087100 - DOOR HARDWARE:

A. MANUFACTURERS/ PRODUCTS:
   a. HINGES.
   - BUTT HINGES:
      1. HINGE WEIGHT & SIZE:
         A. DOORS UP TO 36" WIDE, PROVIDE HINGES WITH A MINIMUM THICKNESS OF .134" AND A MINIMUM HEIGHT OF 4 1/2".
         B. DOORS FROM 36" WIDE TO 42" WIDE, PROVIDE HINGES WITH A MINIMUM THICKNESS OF .145" AND A MINIMUM HEIGHT OF 4 1/2".
         C. DOORS FROM 42" WIDE TO 48" WIDE, PROVIDE HINGES WITH A MINIMUM THICKNESS OF .180" AND A MINIMUM HEIGHT OF 5".
      2. BASE MATERIAL:
         A. EXTERIOR DOORS: 304 STAINLESS STEEL, BRASS OR BRONZE.
         B. INTERIOR DOORS: STEEL MATERIAL.
         C. FIRE RATED DOORS: STEEL OR 304 STAINLESS STEEL.
         D. STAINLESS STEEL BALL BEARING HINGES TO HAVE STAINLESS STEEL BALL BEARINGS. STEEL BALL BEARINGS ARE UNACCEPTABLE.
      3. QUANTITY OF HINGES PER DOOR:
         A. DOORS UP TO 60" IN HEIGHT: 2 HINGES
         B. DOORS FROM 60" TO 90" IN HEIGHT: 3 HINGES
         C. DOORS FROM 90" TO 120" IN HEIGHT: 4 HINGES
      4. ACCEPTABLE MANUFACTURERS:
         A. HAGER
         B. BOMMER
         C. MCKINNEY
   - FLUSH BOLTS AND COORDINATORS:
      1. FLUSH BOLTS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
      2. LABELED OPENINGS:
         A. PROVIDE AUTOMATIC OR CONSTANT LATCHING FLUSH BOLTS PER HARDWARE SCHEDULE FOR INACTIVE LEAF OF PAIRS OF DOORS. PROVIDE DUST PROOF STRIKES FOR BOTTOM BOLT.
      3. NON-LABELED OPENINGS:
         A. PROVIDE TWO FLUSH BOLTS FOR INACTIVE LEAF OR PAIRS OF DOORS PER HARDWARE SCHEDULE. PROVIDE EXTENSION RODS SO THAT THE CENTER LINE OF THE TOP FLUSH BOLT IS NOT MORE THAN 78" ABOVE THE FINISHED FLOOR. PROVIDE DUST PROOF STRIKES FOR BOTTOM BOLT.
      4. ACCEPTABLE MANUFACTURERS:
         A. HAGER
         B. ROCKWOOD
         C. TRIMCO
   - FLUSH BOLTS FOR ALUMINUM DOORS:
      1. PROVIDE TWO-POINT FLUSH BOLT FOR INACTIVE LEAF OF PAIRS OF DOORS WITH LOCKED AND UNLOCKED INDICATOR. MATCH CYLINDER HEIGHT OF LOCK ON ACTIVE LEAF WITH INDICATOR. PROVIDE STAINLESS STEEL TOP AND BOTTOM BOLTS.
      2. ACCEPTABLE MANUFACTURERS:
         A. ADAMS RITE
         B. APPROVED EQUAL
   - LOCKS AND LATCHES:
      1. LOCKS AND LATCHES OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
      2. MATERIAL AND DESIGN:
         A. LOCK AND LATCH CHASSIS TO BE ZINC DICHROMATE FOR CORROSION RESISTANCE.
         B. KEYED FUNCTIONS TO BE OF A FREEWHEELING DESIGN TO HELP RESIST AGAINST VANDALISM.
         C. NON-HANDED, FIELD REVERSIBLE.
         D. THRU-BOLT MOUNTING WITH NO EXPOSED SCREWS.
         E. LEVERS: ZINC CAST AND PLATED TO MATCH FINISHED DESIGNATION IN HARDWARE SETS.
         F. ROSES WROUGHT BRASS OR STAINLESS STEEL MATERIAL.
      3. LATCH AND STRIKE:
         A. STAINLESS STEEL LATCH BOLT WITH MINIMUM OF 1/2" THROW AND DEADLOCKING FOR KEYED AND EXTERIOR FUNCTIONS. PROVIDE 3/4" LATCH BOLT FOR PAIRS OF FIRE-RATED DOORS WHERE REQUIRED BY DOOR MANUFACTURER. STANDARD BACKSET TO BE 2 3/4" AND ADJUSTABLE FACEPLATE TO ACCOMMODATE A SQUARE EDGE DOOR OR A STANDARD 1/8" BEVELED EDGE DOOR.
         B. STRIKE IS TO FIT A STANDARD ANSI A115 PREP MEASURING 1 1/4" X 4 7/8" WITH PROPER LIP LENGTH TO PROTECT SURROUNDING TRIM.
      4. ACCEPTABLE MANUFACTURERS:
         A. HAGER
         B. SCHLAGE
         C. BEST
   - MORTISE DEADBOLTS
      1. MORTISE DEADBOLTS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
      2. DEADBOLT FUNCTION NUMBERS AND DESCRIPTIONS OF MANUFACTURER'S SERIES AS LISTED IN HARDWARE SETS.
      3. MATERIAL AND DESIGN:
         A. LATCH BOLT PROJECTION 1" THROW.
         B. CASE STEEL, ZINC DICHROMATE.
         C. ARMOR FRONT 5 9/16". CASE DIMENSION 4 5/16" X 3 9/16" X 1".
      4. ACCEPTABLE MANUFACTURERS:
         A. HAGER
         B. BEST
         C. SARGENT

087100 - DOOR HARDWARE CONT.:

- DEADBOLT FOR ALUMINUM STILE DOORS:
   1. DEADBOLTS FOR ALUMINUM DOORS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY. AT PAIRS OF DOORS INCORPORATE A THRESHOLD AND HEADER BOLT. TURNING KEY 360 DEGREES WILL RETRACT OR THROW DEADBOLT FOR SINGLE DOORS AND RETRACT OR THROW THRESHOLD AND HEADER BOLT FOR PAIRS OF DOORS.
   2. MATERIAL AND DESIGN:
      A. LOCK CHASSIS, ZINC DICHROMATE FOR CORROSION RESISTANCE.
      B. ARMOR FACEPLATE 1" X 6" AND TO MATCH ALUMINUM DOOR EDGE.
   3. LATCHES AND STRIKE:
      A. DEADBOLT 1 3/8" THROW EIGHT PLY LAMINATED STAINLESS STEEL. CENTER PLY ALUMINA-CERAMIC CORE TO DEFEAT HACKSAW ATTACH.
   4. ACCEPTABLE MANUFACTURERS:
      A. ADAMS RITE.
- EXIT DEVICES:
   1. EXIT DEVICES OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. MATERIAL AND DESIGN:
      A. PROVIDE EXIT DEVICES WITH ACTUATORS THAT EXTEND A MINIMUM OF ONE-HALF OF DOOR WIDTH.
      B. WHERE TRIM IS INDICATED IN HARDWARE SETS PROVIDE THE LEVER DESIGN TO MATCH DESIGN OF LOCK LEVERS.
      C. EXIT DEVICE TO MOUNT FLUSH WITH DOOR.
      D. LATCHBOLTS:
         a. RIM DEVICE - 3/4" THROW, PULLMAN TYPE WITH AUTOMATIC DEAD-LATCHING, STAINLESS STEEL.
         b. SURFACE VERTICAL ROD DEVICE - TOP 1/2" THROW, PULLMAN TYPE WITH AUTOMATIC DEAD-LATCHING, STAINLESS STEEL, BOTTOM 1/2" THROW, PULLMAN TYPE, HELD RETRACTED DURING DOOR SWING, STAINLESS STEEL.
      E. FASTENERS: WOOD SCREWS, MACHINE SCREWS, THRU-BOLTS.
   3. LOCK AND LATCH FUNCTIONS: FUNCTION NUMBERS AND DESCRIPTIONS OF MANUFACTURER'S SERIES AND LEVER STYLES INDICATED IN DOOR HARDWARE SETS.
   4. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. VON DUPRIN
      C. SARGENT
   5. ELECTRIC MODIFICATIONS: MOTORIZED LATCH RETRACTION (MLR), AND ELECTRIC MOTOR RETRACTS THE LATCH BOLT FOR MOMENTARY OR MAINTAINED PERIODS OF TIME.
- CYLINDERS AND KEYING:
   1. CYLINDERS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. CYLINDERS:
      A. PROVIDE CYLINDERS MATCHED TO THE TYPES REQUIRED FOR HARDWARE THAT HAS A LOCKING FUNCTION AND FOR KEYED ELECTRONIC FUNCTIONS. FURNISH WITH APPROPRIATE COLLARS, CAMS, AND TAILPIECES TO FIT AND OPERATOR ASSOCIATED HARDWARE. BACKING COLLARS IS NOT ACCEPTABLE. A SINGLE COLLAR OR PROPER SIZE IS REQUIRED.
      B. MANUFACTURER'S SMALL FORMAT INTERCHANGEABLE CORE (SFIC).
   3. KEYING: OWNER PROVIDED.
   4. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. SCHLAGE
      C. SARGENT
- PUSH/PULL BARS:
   1. PUSH/PULL BARS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. PUSH/PULL BAR SETS: 1" ROUND BAR STOCK WITH 2 1/2" CLEARANCES FROM FACE OF DOOR. OFFSET 3" 90 DEGREE STANDARD. CENTER TO CENTER SIZE SHOULD BE DOOR WIDTH LESS 1 STILE WIDTH.
   3. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. ROCKWOOD
      C. TRIMCO
- CLOSERS
   1. CLOSERS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY. UNLESS OTHERWISE INDICATED ON HARDWARE SCHEDULE, COMPLY WITH MANUFACTURER'S RECOMMENDATIONS FOR SIZE OF CLOSER, DEPENDING UPON WIDTH OF DOOR, FREQUENCY OF USE, ATMOSPHERIC PRESSURE, ADAAG REQUIREMENTS, AND FIRE RATINGS.
   2. MATERIAL AND DESIGN:
      A. PROVIDE ALUMINUM NON-HANDED BODIES WITH FULL PLASTIC COVERS.
      B. CLOSER WILL HAVE SEPARATE STAKED ADJUSTABLE VALVE SCREW FOR LATCH SPEED, SWEEP SPEED, AND BACKCHECK.
      C. PROVIDE TRI-PACK ARMS AND BRACKETS FOR REGULAR ARM, TOP JAMB, AND PARALLEL ARM MOUNTING.
      D. DOUBLE PUBLIC HEAT-TREATED STEEL, TEMPERED SPRINGS.
      E. PRECISION MACHINED HEAT-TREATED STEEL PISTON.
      F. TRIPLE HEAT-TREATED STEEL SPINDLE.
      G. FULL RACK AND PINION OPERATION.
   3. MOUNTING:
      A. OUT-SWING DOORS SURFACE PARALLEL ARM MOUNT CLOSERS EXCEPT WHERE NOTED ON HARDWARE SCHEDULE.
      B. IN-SWING DOORS SURFACE REGULAR ARM MOUNT CLOSERS EXCEPT WHERE NOTED ON HARDWARE SCHEDULE.
      C. PROVIDE BRACKETS AND SHOW SUPPORTS FOR ALUMINUM DOORS AND FRAMES TO MOUNT FIFTH SCREW.
      D. FURNISH DROP PLATES WHERE TOP RAIL CONDITIONS ON DOOR DO NOT ALLOW FOR MOUNTING OF CLOSER AND WHERE BACKSIDE OF CLOSER IS EXPOSED THROUGH GLASS.
      E. SIZE CLOSERS IN COMPLIANCE WITH REQUIREMENTS FOR ACCESSIBILITY (ADAAG). COMPLY WITH FOLLOWING MAXIMUM OPENING FORCE REQUIREMENTS.
      F. INTERIOR HINGED OPENINGS: 5.0 LBS
      G. FIRE-RATED AND EXTERIOR OPENINGS ARE TO BE ADJUSTED TO HAVE MINIMUM OPENING FORCE ALLOWABLE BY AUTHORITY HAVING JURISDICTION.
   4. FASTENERS: PROVIDE SELF-REAMING, SELF-TAPPING WOOD AND MACHINE SCREWS, AND SEX NUTS AND BOLTS FOR EACH OTHER.
   5. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. HORTON
      C. SARGENT
- LOW ENERGY OPERATORS:
   1. LOW ENERGY POWER OPERATORS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. MATERIAL AND DESIGN:
      A. SELF-CONTAINED ELECTRICAL CONTROL UNIT, INCLUDING NECESSARY TRANSFORMERS, RELAYS, RECTIFIERS AND OTHER ELECTRONIC COMPONENTS FOR PROPER OPERATION, SWITCHING AND CONTROL OF DOOR UP TO 350 LBS AND ALSO INCLUDE TIME DELAY FOR NORMAL CYCLE.
      B. ON PAIRS OF DOORS, EITHER DOOR TO BE OPENED MANUALLY WITHOUT THE OTHER DOOR OPENING.
      C. OPERATES AS A MECHANICAL CLOSER IF POWER IS DISCONNECTED. FORCES CONSISTENT WITH ANSI A117.1 AND ANSI A156.19.
      D. PROVIDE DELAY SWITCHES FOR MOTOR ACTIVATION, EXIT DEVICE LATCH RETRACTION INTERFACING AND HOLD OPEN TIMES.
      E. ADJUSTABLE VESTIBULE SEQUENCING INPUT FOR OPERATION OF TWO OR MORE UNITS.
      F. ADJUSTABLE POWERED SWING DEGREE FROM 80 DEGREES TO 110 DEGREES.
      G. INTEGRAL OBSTRUCTION DETECTION FOR CLOSING AND OPENING CYCLE.
      H. ADJUSTABLE BUIL-IN STOP, SET FROM 80 DEGREES MAXIMUM TO 180 DEGREES MANUAL SWING.
      I. WHEN IN "BLOW OPEN" OPERATION FOR SMOKE VENTILATION, OPERATOR WILL STAY IN THE OPEN POSITION WHEN LOSS OF POWER.
      J. BOOST TO CLOSE SELECTABLE ON/OFF SWITCH.
   3. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. LCN
      C. NORTON

087100 - DOOR HARDWARE CONT.:

   4. ACTUATORS:
      A. OPENING CYCLE ACTIVATED BY PRESSING SWITCHES WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY AND "PUSH TO OPEN" ENGRAVED ON FACEPLATE.
      B. SWITCHES INSTALLED IN STANDARD 2-GANG ELECTRICAL WALL BOX AND PLACED IN A LOCATION IN COMPLIANCE WITH ANSI A117.1.
      C. WIRELESS ACTUATORS OPTIONAL.
      D. PROVIDE BOLLARDS AS REQUIRED WHERE A SUITABLE WALL MOUNT IS NOT POSSIBLE.
   5. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. MS SEDCO
      C. SDC
- PROTECTIVE TRIM.
   1. PROTECTIVE TRIM OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. SIZE OF PROTECTION PLATE: SINGLE DOORS, SIZE TWO INCHES LESS WIDTH ON PUSH SIDE OF DOOR, AND ONE INCH LESS DOOR WIDTH ON PULL SIDE OF DOOR. FOR PAIRS OF DOORS, SIZE ONE INCH LESS DOOR WIDTH ON PUSH SIDE OF DOOR, AND 1/2 INCH ON PULL SIDE OF DOOR. ADJUST SIZES TO ACCOMMODATE ACCOMPANYING HARDWARE, SUCH AS, EDGE GUARDS, ASTRAGALS, AND OTHERS.
      A. KICK PLATES 10" HIGH OR SIZED TO DOOR BOTTOM RAIL HEIGHT.
      B. MOP PLATES 4" HIGH.
      C. ARMOR PLATES 36" HIGH.
   3. MATERIAL AND DESIGN:
      A. 0.050" GAGE STAINLESS STEEL.
      B. CORNERS SQUARE, POLISHING LINES OR DOMINANT DIRECTION OF SURFACE PATTERN SO THEY RUN ACROSS DOOR WIDTH OF PLATE.
      C. BEVEL TOP, BOTTOM, AND SIDES UNIFORMLY LEAVING NO SHARP EDGES.
      D. COUNTERSINK HOLES FOR SCREWS. SPACE SCREW HOLES SO THEY ARE NO MORE THAN EITHER INCHES CTC, ALONG A CENTERLINE NOT OVER 1/2" IN FROM EDGE AROUND PLATE. END SCREWS MAXIMUM OF 0.53" FROM CORNERS.
   4. UL LABEL STAMP REQUIRED ON PROTECTION PLATES WHEN TOP OF PLATE IS MORE THAN 16 INCHES ABOVE BOTTOM OF DOOR ON FIRE RATED OPENINGS. VERIFY DOOR MANUFACTURER'S UL LISTING FOR MAXIMUM HEIGHT AND WIDTH OF PROTECTION PLATE TO BE USED.
   5. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. TRIMCO
      C. BURNS
- STOPS:
   1. ELECTROMAGNETIC HOLDERS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. MATERIAL AND DESIGN:
      A. PROVIDE ELECTROMAGNETIC HOLDERS WHERE SELF-CLOSING FIRE DOORS AND SMOKE BARRIER DOORS ARE REQUIRED TO BE HELD OPEN. ELECTROMAGNETIC HOLDERS TO BE FAIL-SAFE: WHEN ELECTRICAL CURRENT IS INTERRUPTED, DOORS RELEASE TO CLOSE AUTOMATICALLY. HOLDING FORCE 25-40 LBS.
   3. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. LCN
      C. RIXSON
- THRESHOLDS:
   1. THRESHOLDS OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. SET THRESHOLDS FOR EXTERIOR AND ACOUSTICAL OPENINGS IN FULL BED OF SEALANT WITH LEAD EXPANSION SHIELDS AND STAINLESS STEEL MACHINE SCREWS COMPLYING WITH REQUIREMENTS SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS" NOTCHED IN FIELD TO FIT FRAME BY HARDWARE INSTALLER. REFER TO DRAWINGS FOR SPECIAL DETAILS.
   3. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. KN CROWDER
      C. REESE
- DOOR GASKETING AND WEATHERSTRIP:
   1. DOOR GASKETING AND WEATHERSTRIP OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. PROVIDE CONTINUOUS WEATHERSTRIP GASKETING ON EXTERIOR DOORS AND PROVIDE SMOKE, LIGHT OR SOUND GASKETING WHERE INDICATED ON HARDWARE SCHEDULE. PROVIDE NONCORROSIVE FASTENERS FOR EXTERIOR APPLICATIONS.
   3. SMOKE-LABELED GASKETING: COMPLY WITH NFPA 105 LISTED, LABELED, AND ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, FOR SMOKE CONTROL INDICATED.
      A. PROVIDE SMOKE-LABELED GASKETING ON 20 MINUTE RATED DOORS AND ON SMOKE RATED DOORS.
   4. FIRE-RATED GASKETING: COMPLY WITH NFPA 80 LISTED, LABELED, AND ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, FOR FIRE RATINGS INDICATED.
   5. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. KN CROWDER
      C. REESE
- SLIDING DOOR HARDWARE:
   1. SLIDING DOOR HARDWARE OF ONE MANUFACTURER AS LISTED FOR CONTINUITY OF DESIGN AND CONSIDERATION OF WARRANTY.
   2. SLIDING DOOR HARDWARE: PROVIDE COMPLETE SETS OF RAILS, HANGERS, SUPPORTS, BUMPERS, FLOOR GUIDES AND ACCESSORIES INDICATED.
   3. BYPASSING SLIDING DOOR HARDWARE: RATED FOR DOORS WEIGHING UP TO 150 LBS.
   4. POCKETED SLIDING DOOR HARDWARE: RATED FOR DOORS WEIGHING UP TO 250 LBS.
      A. PROVIDE POCKET DOOR KIT FOR POCKET DOORS. KITS ARE TO INCLUDE HEADER ASSEMBLY, SPLIT STUDS, HANGERS, DOOR HANGER PLATES, BUMPER, GUIDES, FLOOR PLATE, AND END BRACKET.
   5. WALL MOUNTED FASCIA: RATED FOR DOORS WEIGHING UP TO 250 LBS.
   6. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. LAWRENCE
      C. KN CROWDER
- SILENCERS:
   1. WHERE SMOKE, LIGHT OR WEATHER SEAL ARE NOT REQUIRED, PROVIDE THREE SILENCERS PER SINGLE DOOR FRAME, TWO PER DOUBLE DOOR FRAME AND FOUR PER DUTCH DOOR FRAME.
   2. ACCEPTABLE MANUFACTURERS:
      A. HAGER
      B. ROCKWOOD
      C. TRIMCO
- KEY CABINET:
   1. PROVIDE KEY CABINET, SURFACE MOUNTED TO WALL.
   2. KEY CONTROL SYSTEM:
      A. INCLUDE TWO SETS OF KEY TAGS, HOOKS, LABELS, AND ENVELOPES.
      B. CONTAIN SYSTEM IN METAL CABINET WITH BAKES ENAMEL FINISH.
      C. CAPACITY WILL BE ABLE TO HOLD ACTUAL QUANTITIES OF KEYS, PLUS 50 PERCENT.
      D. PROVIDE TOOLS, INSTRUCTION SHEETS, AND ACCESSORIES REQUIRED TO COMPLETE INSTALLATION.
   3. ACCEPTABLE MANUFACTURERS:
      A. LUND EQUIPMENT
      B. TELKEE INCORPORATED
      C. KEY CONTROL

- INSTALLATION: INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

087100 - DOOR HARDWARE CONT

- HARDWARE SETS:

SET #1
DOORS: 100A-1, C100A, C100B, C100C

2	CONTINUOUS HINGE	CFM83HD1	PE
1	CONCEALED VERT ROD EXIT, BLANK PLATE	7160 620F	BSP YA
1	CONCEALED VERT ROD EXIT, NIGHTLATCH	7160 121NL	BSP YA
2	DOOR PULL	BF158	BSP RO
2	CONC OVERHEAD STOP	1-336	622 RF
2	SURFACE CLOSER	7500	BSP NO
1	DOOR SWEEP	315BSPN	PE
1	THRESHOLD	271A	PE
1	POWER SUPPLY	BPS	SU

NOTES: CARD READER BY SECURITY CONTRACTOR, DOOR NORMALLY CLOSED AND LOCKED, PRESENTING CREDENTIAL WILL RETRACT EXIT DEVICE LATCH, ALLOWING DOOR TO BE PULLED OPEN. DOOR WILL REMAIN LOCKED UPON LOSS OF POWER. FREE EGRESS ALLOWED AT ALL TIMES.

SET #1A
DOORS: 100A-2

2	CONTINUOUS HINGE	CFM83HD1	PE
1	CONCEALED VERT ROD EXIT, BLANK PLATE	7160 620F	BSP YA
1	CONCEALED VERT ROD EXIT, NIGHTLATCH	7160 121NL	BSP YA
2	DOOR PULL	BF158	BSP RO
2	CONC OVERHEAD STOP	1-336	622 RF
2	SURFACE CLOSER	7500	BSP NO

NOTES: FREE EGRESS ALLOWED AT ALL TIMES.

SET #2
DOORS: 101-2, 116-2

1	CONTINUOUS HINGE	CFM83HD1	PE
1	RIM EXIT DEVICE, NIGHTLATCH	7100 121NL	BSP YA
1	DOOR PULL	BF158	BSP RO
1	CONC OVERHEAD STOP	1-336	622 RF
1	SURFACE CLOSER	7500	BSP NO
1	DOOR S

088000 - GLAZING:

A. MATERIALS/PRODUCTS:

1. TYPE G1 & G3: INSULATING GLASS: ASTM E 774, CLASS CBA, WITH MANUFACTURER'S STANDARD DUAL SET SPACER AND CORNER CONSTRUCTION, LOW EMISSIVITY COATING ON SECOND OR THIRD SURFACE, AND CONSISTING OF ANNEALED OR HEAT TREATED CLEAR OR TINTED FLOAT GLASS AS INDICATED. TINT COLOR TO BE DETERMINED BY OWNER.
2. TYPE G2: COATED SPANDREL FLOAT GLASS: ANNEALED OR HEAT-TREATED FLOAT GLASS AS INDICATED; PASSING ASTM C1048 FALLOUT RESISTANCE TEST, WITH MANUFACTURERS STANDARD OPACIFIER OR SECOND SURFACE OF LITES. TINT COLOR TO BE DETERMINED BY OWNER.
3. GLAZING SEALANTS, GASKETS, TAPES, SETTING BLOCKS, SPACERS, EDGE BLOCKS: AS STANDARD WITH GLAZED PRODUCT/SYSTEM MANUFACTURER AND AS REQUIRED FOR PROPER PERFORMANCE AND SECURE, STABLE INSTALLATION.

B. INSTALLATION: COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE GANA, AAMA, AND IGMA PUBLICATIONS.

C. SUBMITTALS: PRODUCT DATA, SAMPLES, GLAZING SCHEDULE USING SAME OPENING DESIGNATION ON DRAWING.

D. WARRANTY: FIVE-YEAR GLASS REPLACEMENT FOR LAMINATED GLASS FAILURE, TEN-YEAR UNIT REPLACEMENT FOR INSULATING GLASS FAILURE.

092500 - GYPSUM BOARD ASSEMBLIES:

A. MANUFACTURERS/ PRODUCTS:
1. 1. GYPSUM WALLBOARD: GOLD BOND BUILDING PRODUCTS/ NATIONAL GYPSUM CO.; UNITED STATES GYPSUM CO.; G-P GYPSUM CORPORATION
2. 2. STEEL FRAMING AND FURRING: CLARK STEEL FRAMING, DALE/ INCOR, DIETRICH METAL FRAMING, MARINO/WARE, USG CORP/ UNIMAST

B. MATERIALS AND FABRICATION: CONFORM TO APPLICABLE REQUIREMENTS OF GA-216 " RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM WALLBOARD" AND GA-600 "FIRE RESISTIVE DESIGN MANUAL".
1. 1. GYPSUM WALLBOARD (GWB): ALL GWB SHALL BE 5/8 INCH THICK FIRE RESISTANT WITH TAPERED EDGES CONFORMING TO ASTM C 36 UNLESS OTHERWISE INDICATED AND THE FOLLOWING: NON-SAG AT INTERIOR CEILINGS, FOIL BACKED AT EXTERIOR WALLS, MOISTURE RESISTANT (ASTM C 630) AT SHOWERS, TUBS AND WHERE INDICATED, 1/2 INCH THICK EXTERIOR SOFFIT BOARD (ASTM C 931), 1/2 INCH THICK GLASS-MAT GYPSUM (ASTM C 1178) OR CEMENTITIOUS (ANSI A118.9) TILE BACKER PANELS AT SHOWERS, TUBS AND WHERE INDICATED.
2. 2. STEEL FRAMING/ FURRING: MINIMUM 20 GAUGE GALVANIZED STEEL STUDS, TOP TRACK AND FURRING, CONFORMING TO ASTM C645. PROVIDE DEFLECTION/ FIRESTOP TOP TRACK EQUAL TO SLP-TRK BY SLIPTRACK SYSTEM. PROVIDE PARTITION REINFORCEMENT EQUAL TO FLUSH MOUNT BACKING BY METAL LITE, INC. AT GRABBARS, CORRIDOR RAILINGS, CABINETS/ CASEWORK, SHELVING, HEAVY TRIM, TOILET ACCESSORIES, ETC. TO COMPLY WITH ADA REQUIREMENTS AND WITHSTAND A 250 POUND POINT LOAD FOR GRAB BARS AND RAILINGS AND 144 lbs./lin. ft. FOR ALL OTHER ITEMS.
3. 3. SUSPENDED CEILING SYSTEMS: 1 1/2 INCH DEEP 16 GAUGE COLD ROLLED STEEL CHANNELS, 7/8 INCH DEEP 20 GAUGE FURRING, NO.9 GALVANIZED STEEL WIRE HANGERS, MIN. 16 GAUGE TIE WIRES, ISOLATION HANGERS WHERE INDICATED.
4. 4. GYPSUM CAVITY SHAFTWALL: EQUAL TO I-STUD CAVITY SHAFTWALL SYSTEM BY GOLD BOND BUILDING PRODUCTS.
5. 5. ACCESSORIES: JOINT REINFORCING TAPE AND JOINT COMPOUND TO COMPLY WITH ASTM C 475 AND AS RECOMMENDED BY MANUFACTURER FOR SUITABLE APPLICATIONS. GWB TRIM ACCESSORIES TO BE GALVANIZED , ALUMINUM COATED STEEL SHEET OR ROLLED ZINC FOR INTERIOR USE AND HOT DIPPED GALVANIZED STEEL SHEET OR ROLLED ZINC FOR EXTERIOR USE. CASING BEADS TO BE "LC" TYPE.
6. 6. INSULATION: SEE DIVISION 7 SECTION "BUILDING INSULATION".

C. INSTALLATION: CONFORM TO APPLICABLE REQUIREMENTS OF ASTM C 475 AND ASTM C 840, GA-216 AND MANUFACTURERS WRITTEN RECOMMENDATIONS.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND CERTIFICATION THAT STEEL FRAMING IS NOT COLD REDUCED.

093100 - CERAMIC TILE::

A. MANUFACTURERS/ PRODUCTS:
1. CERAMIC TILE: AMERICAN OLEAN TILE COMPANY, DAL-TILE CORPORATION, SUMMITVILLE TILES, UNITED STATES CERAMIC TILE COMPANY.
2. TILE SETTING AND GROUTING MATERIALS: AMERICAN OLEAN TILE COMPANY, CUSTOM BUILDING PRODUCTS, DAL-TILE CORPORATION, LATICRETE INTERNATIONAL, MAPEI CORPORATION, SUMMITVILLE TILES INC, TEC INC.
3. WATERPROOFING AND CRACK SUPPRESSION MEMBRANE: CUSTOM BUILDING PRODUCTS TROWEL AND SEAL WATERPROOFING AND ANTI-FRACTURE MEMBRANE, LATICRETE 9235 WATERPROOF MEMBRANE, MAPEI CORP. PRP M19, SUMMITVILLE TILES INC S-9000.

B. MATERIALS AND FABRICATION:
1. CERAMIC TILE STANDARD: ANSI A137.1
2. UNGLAZED CERAMIC MOSAIC TILE: PORCELAIN, 2x2 INCH MODULE SIZE, 1/4 INCH NOMINAL THICKNESS, PLAIN FACE WITH CUSHION EDGES. INCORPORATE ABRASIVE ADMIXTURE AT SHOWER ROOM FLOORS.
3. UNGLAZED QUARRY TILE: SIZE 6x6 INCH FACE, 1/2 INCH THICK. PLAIN FACE, EXCEPT ADD RAISED-RELIEF PATTERN WHERE NON-SLIP FLOORS ARE INDICATED.
4. GLAZED WALL TILE: MODULE SIZE 4 1/4 BY 4 1/4 INCHES, 5/16 INCH THICKNESS, PLAIN FACE WITH MODIFIED SQUARE EDGES OR CUSHION EDGES.
5. TRIM UNITS: COVED BASE, BULLNOSE CAPS AND EXTERNAL CORNERS.
6. STONE THRESHOLD: MARBLE COMPLYING WITH ASTM C503, MINIMUM ABRASION RESISTANCE OF 10 PER ASTM C241 OR C1353, HONED FINISH.
7. WATERPROOFING AND CRACK SUPPRESSION MEMBRANE: ANSI A118.10, LIQUID LATEX RUBBER WITH FABRIC REINFORCEMENT.
8. SETTING MATERIALS: LATEX PORTLAND CEMENT MORTAR, MIXTURE OF DRY PORTLAND CEMENT MORTAR MIX AND LIQUID ACRYLIC RESIN LATEX ADDITIVE, NON-SAGGING TYPE FOR WALLS.
9. GROUTING MATERIALS: LATEX-PORTLAND CEMENT GROUT, ANSI A118.7, MIXTURE OF DRY PORTLAND CEMENT GROUT MIX AND LIQUID ACRYLIC RESIN LATEX ADDITIVE, UNSANDED FOR JOINTS UP TO 1/8 INCH, SANDED FOR WIDER JOINTS.
10. TROWELABLE UNDERLAYMENTS AND PATCHING COMPOUNDS: LATEX-MODIFIED PORTLAND CEMENT TYPE APPROVED BY TILE SETTING MATERIALS MANUFACTURER.
11. TEMPORARY PROTECTIVE COATING: PETROLEUM PARAFFIN WAX OR GROUT RELEASE, TO PROTECT EXPOSED SURFACES OF TILE AGAINST ADHERENCE OF MORTAR OR GROUT AS REQUIRED.

C. INSTALLATION: PREPARE SURFACES, APPLY CRACK SUPPRESSION MEMBRANE AT SUBSTRATE CRACKS PER MANUFACTURER'S INSTRUCTIONS AND INSTALL TILE IN ACCORDANCE WITH APPLICABLE ANSI A108 INSTALLATION STANDARDS AND TCA INSTALLATION METHOD INDICATED BELOW:
1. UNGLAZED CERAMIC MOSAIC FLOOR TILE: TCA F111 FOR THICKSET FLOOR, TCA F121 FOR THICKSET FLOOR AT UPPER FLOOR SHOWER ROOMS, TCA F113 FOR THINSET FLOORS, TCA F122 FOR THINSET FLOORS AT UPPER FLOOR SHOWER ROOMS.
2. QUARRY TILE FLOORS: TCA F113
3. GLAZED WALL TILE: TCA W202 ON CONCRETE OR MASONRY, TCA W243 ON GYPSUM BOARD, TCA W244 ON CEMENTITIOUS BACKER UNITS, TCA W245 ON GLASS MAT WATER RESISTANT BACKER BOARD.

D. SUBMITTALS: PRODUCT DATA, SAMPLES.

095110 - ACOUSTICAL PANEL CEILINGS:

A. MANUFACTURERS/ PRODUCTS:
1. ACOUSTICAL PANELS: ARMSTRONG WORLD INDUSTRIES, BPB USA, USG INTERIORS INC.
2. METAL SUSPENSION SYSTEM: ARMSTRONG WORLD INDUSTRIES, BPB USA, CHICAGO METALLIC CORP., USG INTERIORS INC.

B. MATERIALS AND FABRICATION: CONFORM TO ACOUSTICAL PANEL QUALITY STANDARD ASTM E 1264 AND METAL SUSPENSION SYSTEM QUALITY STANDARDS ASTM C 635.
1. ACOUSTICAL PANEL BASIS OF DESIGN PRODUCT: ARMSTRONG WORLD INDUSTRIES, NATURAL FISSURED, 24 INCH x 24 INCH x 3/4 INCH, TEGULAR EDGE, CLASS A SURFACE BURNING CHARACTERISTICS
2. METAL SUSPENSION SYSTEM: WIDE FACE, CAPPED, DOUBLE WEB, MAIN AND CROSS RUNNERS ROLL FORMED FROM COLLED-ROLLED STEEL SHEET, PREPAINTED,ELECTROLYTICALLY ZINC COATED, OR HOT-DIP GALVANIZED ACCORDING TO ASTM A 653/ A 653M, NOT LESS THAN G30 (Z90) COATING DESIGNATION, WITH PRE-FINISHED 15/16 INCH WIDE METAL CAPS ON FLANGES.
3. ATTACHMENT DEVICES: SIZED FOR FIVE TIMES THE DESIGN LOAD INDICATED IN ASTM C 635, TABLE 1, "DIRECT HUNG".
4. WIRE HANGERS, BRACES, AND TIES: ZINC COATED CARBON STEEL WIRE (ASTM A 641/ A 641M), CLASS 1, SOFT TEMPER. SELECT WIRE DIAMETER SO ITS STRESS AT THREE TIMES HANGER DESIGN LOAD INDICATED IN ASTM C 635, TABLE 1, "DIRECT HUNG" AND NOT LESS THAN 0.106 INCH.
5. PROVIDE SEISMIC CLIPS WHERE REQUIRED AND HOLD DOWN CLIPS WHERE INDICATED, MANUFACTURERS STANDARD UNITS.

C. INSTALLATION: COMPLY WITH ASTM C 636, ASTM E 580 SEISMIC REQUIREMENTS, MANUFACTURERS WRITTEN INSTRUCTIONS AND CISCA'S CEILING SYSTEMS HANDBOOK.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

09651 - RESILIENT FLOOR TILE:

A. MANUFACTURERS/ PRODUCTS:
1. VINYL COMPOSITION TILE: ARMSTRONG WORLD INDUSTRIES INC., MANNINGTON MILLS INC., TARKETT INC.
2. RESILIENT WALL BASE: ARMSTRONG WORLD INDUSTRIES INC., JOHNSONITE, ROPPE CORPORATION.

B. MATERIALS AND FABRICATION:
1. VINYL COMPOSITION TILE: ASTM F 1066. CLASS 2 THROUGH PATTERN TILE, SMOOTH WEARING SURFACE, 1/8 INCH THICK, 12 INCH x 12 INCH SIZE WITH CRITICAL RADIANT FLUX CLASSIFICATION OF CLASS I, NOT LESS THAN 0.45 W/ sq. cm per ASTM E 648.
2. RESILIENT BASE: ASTM F 1861, TS (RUBBER, VULCANIZED THERMOSET), GROUP I (SOLID), COVE STYLE, 1/8 INCH THICK, RIBBED BACK, 4 INCH HEIGHT UNLESS OTHERWISE NOTED.
3. ADHESIVES: WATER RESISTANT TYPE RECOMMENDED BY MANUFACTURER TO SUIT RESILIENT PRODUCTS AND SUBSTRATE CONDITIONS.
4. TROWELABLE LEVELING AND PATCHING COMPOUNDS: LATEX MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC CEMENT BASED FORMULATION APPROVED BY RESILIENT PRODUCT MANUFACTURER.

C. INSTALLATION: PREPARE SUBSTRATES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL RESILIENT PRODUCTS ACCORDING TO MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

D. SUBMITTALS: PRODUCT DATA, AND SAMPLES.

096800 - CARPET:

A. MANUFACTURERS/ PRODUCTS: FACULTY IV BY LEES COMMERCIAL CARPET DIV. BURLINGTON INDUSTRIES, ASSERTION III BY J&J INDUSTRIES, POP QUIZ BY SHAW CONTRACT, MIRADA VI BY BLUE RIDGE COMMERCIAL CARPET

B. MATERIALS AND FABRICATION:
1. FACE CONSTRUCTION: TEXTURED MULTI COLOR LOOP PILE
2. FIBERS: 100% CF NYLON WITH SOIL RESISTANT TREATMENT
3. DYEING METHOD: YARN OR SOLUTION DYED
4. FACE WEIGHT: 26 OZ. PER SQ. YD. MINIMUM
5. GAUGE/ PITCH: 1/8 MINIMUM
6. STICHES PER INCH: 8.0
7. BACKING: UNIBOND, LIFESPAN, ULTRALOC OR POWERLOCK MB
8. TUFT BIND: IN EXCESS OF 15 lbs.
9. STATIC RESISTANCE: BELOW 3.0 KILOVOLTS AS TESTED UNDER AATCC-134
10. ANTIMICROBIAL TREATMENT: MANUFACTURER'S STANDARD
11. CARPET WIDTH: MINIMUM 12 FEET
12. COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD SELECTION
13. FIRE RESISTANCE REQUIREMENTS (INCLUDING BACKING): MINIMUM OF 0.45 WATTS PER SQ. CM. (NFPA CLASS 1) TESTED UNDER ASTM E 648
14. MAXIMUM SMOKE PRODUCTION RATING OF 450
15. TRIM: MANUFACTURER'S STANDARD FABRIC BINDER IN COLOR SELECTED BY ARCHITECT.
16. ADHESIVE: WATERPROOF LATEX NON-FLAMMABLE RECOMMENDED BY MANUFACTURER.

C. INSTALLATION: PREPARE SUBSTRATES AND PRIME FLOOR (IF REQUIRED) AS RECOMMENDED BY THE CARPET MANUFACTURER. INSTALL IN FULL UNIFORM APPLICATION OF ADHESIVE AND CEMENT ALL CARPET EDGES WITH CONTACT ADHESIVE. INSTALL CARPET BASE WHERE INDICATED AND TRIM TOP EDGE WITH FABRIC TRIM.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS OF SEAM LAYOUT AND SAMPLES.

101550 - TOILET COMPARTMENTS:

A. MANUFACTURERS/ PRODUCTS: GENERAL PARTITIONS MFG. CORP., GLOBAL STEEL PRODUCTS CORP., HADRIAN INC., SANYMETAL, WEIS-ROBART PARTITIONS, INC.

B. MATERIALS AND FABRICATION:
1. BAKED ENAMEL UNITS: FACING SHEETS AND CLOSURES FABRICATED FROM ELECTROLYTICALLY ZINC COATED ASTM A 591/ A 591M, 80Z OR HOT-DIP GALVANIZED OR GALVANNEALED ASTM A 653/ A 653M COMMERCIAL STEEL SHEET.
2. DOOR, PANEL, PILASTER AND URINAL SCREEN CONSTRUCTION: SEAMLESS METAL FACING SHEETS LAMINATED TO SOUND DEADENER WITH CONTINUOUS INTERLOCKING MOLDING STRIP OR LAPPED AND FORMED EDGE CLOSURES. PROVIDE STAINLESS STEEL PILASTER SHOES AND FULL HEIGHT CONTINUOUS BRACKETS.
3. ACCESSORIES: PROVIDE HEAVY DUTY OPERATING STAINLESS STEEL HARDWARE INCLUDING SELF-CLOSING HINGES, RECESSED LATCHES AND KEEPERS, COAT HOOKS, DOOR BUMPERS AND DOOR PULLS (OUTSWING DOORS). PROVIDE MANUFACTURERS STANDARD ANCHORAGES AND FASTENERS.
4. FLOOR ANCHORED UNITS: MANUFACTURERS STANDARD CORROSION RESISTANT ANCHORAGE ASSEMBLIES COMPLETE WITH THREADED RODS, LOCK WASHERS AND LEVELING ADJUSTMENT NUTS AT PILASTERS.
5. DOORS: PROVIDE 24 INCH WIDE DOORS FOR STANDARD TOILET COMPARTMENTS AND 36 INCH WIDE WITH 32 INCH WIDE CLEAR OPENING FOR COMPARTMENTS INDICATED TO BE ACCESSIBLE. SEE DRAWINGS FOR SWING DIRECTION.
6. COLORS: ONE COLOR IN EACH ROOM AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

C. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

099000 - PAINTING:

A. MANUFACTURERS/ PRODUCTS: SHERWIN WILLIAMS CO., BENJAMIN MOORE AND CO., PITTSBURGH PAINTS/ PPG INDUSTRIES, ICI DULUX PAINTs

B. MATERIALS AND FABRICATION: THE DESIGNATION FOR EACH APPLICATION IS BASED ON SHERWIN WILLIAMS CO., PROVIDE EITHER THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE OTHER MANUFACTURERS SPECIFIED (OMIT PRIMER IF SHOP PRIMED OR PREVIOUSLY PAINTED).
1. EXTERIOR PAINT:
   - A. GALVANIZED METAL:
     - 1) FIRST COAT: DTM ACRYLIC PRIMER/ FINISH B66W1
     - 2) SECOND AND THIRD COATS: DTM ACRYLIC GLOSS COATING B66-100 SERIES.
   - B. FERROUS METAL:
     - 1) FIRST COAT: KEM KROMIK UNIVERSAL PRIMER B50Z
     - 2) SECOND AND THIRD COATS: DTM ACRYLIC GLOSS COATING B66-100 SERIES.
   - C. ALUMINUM:
     - 1) FIRST AND SECOND COATS: DTM ACRYLIC GLOSS COATING B66-100 SERIES.
   - D. CONCRETE MASONRY UNITS:
     - 1) FIRST COAT: LOXON BLOCK SURFACER A24W200
     - 2) SECOND AND THIRD COATS: A-100 EXTERIOR LATEX FLAT HOUSE & TRIM PAINT A6 SERIES.
   - E. CONCRETE:
     - 1) FIRST AND SECOND COATS: A-100 EXTERIOR LATEX FLAT HOUSE & TRIM PAINT A6 SERIES (ADD INITIAL PRIMER COAT LOXON CONDITIONER A24-100 SERIERS IF REQUIRED BY MANUFACTURER.
   - F. WOOD:
     - 1) FIRST COAT: A-100 EXTERIOR OIL WOOD PRIMER Y24W20
     - 2) SECOND AND THIRD COATS: A-100 LATEX GLOSS HOUSE & TRIM PAINT A8 SERIES.
2. INTERIOR PAINT:
   - A. FERROUS METAL:
     - 1) FIRST COAT: KEM KROMIK UNIVERSAL PRIMER B50Z
     - 2) SECOND AND THIRD COATS: PRO CLASSIC WATERBORNE ACRYLIC SEMI-GLOSS B31.
   - B. GALVANIZED METAL:
     - 1) FIRST COAT: DTM ACRYLIC PRIMER/ FINISH B66W1
     - 2) SECOND AND THIRD COATS: PRO CLASSIC WATERBORNE ACRYLIC SEMI-GLOSS B31.
   - C. OVERHEAD EXPOSED STEEL STRUCTURE AND DECK:
     - 1) FIRST COAT: DTM ACRYLIC PRIMER/ FINISH B66W1
     - 2) SECOND AND THIRD COATS: WATERBORNE ACRYLIC DRY FALL EG-SHEL B42W2.
   - D. GYPSUM WALLBOARD: (SEMIGLOSS, EGGSHELL, FLAT)
     - 1) FIRST COAT: HARMONY LOW ODOR INTERIOR LATEX PRIMER B11W900
     - 2) SECOND AND THIRD COATS:
   - E. SEMI-GLOSS: HARMONY LOW ODOR INTERIOR LATEX SEMI GLOSS B10 SERIES
   - F. EGGSHELL: HARMONY LOW ODOR INTERIOR LATEX EG-SHEL B9 SERIES
   - G. FLAT: HARMONY LOW ODOR INTERIOR LATEX FLAT B5 SERIES
   - H. E. PLASTER: (SEMIGLOSS, EGGSHELL, FLAT)
     - 1) FIRST COAT: PREPRITE MASONRY PRIMER B28W300
     - 2) SECOND AND THIRD COATS:
   - I. SEMI-GLOSS: HARMONY LOW ODOR INTERIOR LATEX SEMI GLOSS B10 SERIES
   - J. EGGSHELL: HARMONY LOW ODOR INTERIOR LATEX EG-SHEL B9 SERIES
   - K. FLAT: HARMONY LOW ODOR INTERIOR LATEX FLAT B5 SERIES
   - L. CONCRETE MASONRY UNITS:
     - 1) FIRST COAT: LOXON BLOCK SURFACER A24W200
     - 2) SECOND AND THIRD COATS: HARMONY LOW ODOR INTERIOR LATEX EG-SHEL B9 SERIES
   - M. CONCRETE:
     - 1) FIRST COAT: PREPRITE MASONRY PRIMER B28W300
     - 2) SECOND AND THIRD COATS: HARMONY LOW ODOR INTERIOR LATEX EG-SHEL B9 SERIES
   - N. WOOD: (PAINTED FINISH)
     - 1) FIRST COAT: PREPRITE WALL AND WOOD PRIMER B49W22
     - 2) SECOND AND THIRD COATS: PRO CLASSIC WATERBORNE ACRYLIC SEMI-GLOSS B31.
   - O. WOOD: (STAIN AND VARNISH FINISH)
     - 1) FIRST COAT: SHER-WOOD NATURAL FILLER D70T1
     - 2) SECOND COAT: WOOD CLASSICS INTERIOR OIL STAIN A49 SERIES
     - 3) THIRD AND FOURTH COATS: WOOD CLASSICS POLYURETAHNE VARNISH A67 SERIES
   - P. WOOD: (CLEAR VARNISH FINISH)
     - 1) FIRST AND SECOND COATS: WOOD CLASSICS POLYURETAHNE VARNISH A67 SERIES
   - Q. PIPE COVERING:
     - 1) FIRST AND SECOND COATS: PROMAR 200 (LATEX) FLAT B30W200
   - R. TRAFFIC MARKING PAINT:
     - 1) FIRST COAT: TRAFFIC MARKING PAINT (ACRYLIC)
3. 3. EPOXY WALL COATING:
   - A. A. CONCRETE MASONRY UNITS:
     - 1) FIRST COAT: LOXON BLOCK SURFACER A24W200
     - 2) SECOND AND THIRD COATS: WATERBASED CATALYZED EPOXY B70-200/B60V25
   - B. B. GYPSUM WALLBOARD, PLASTER, AND CONCRETE:
     - 1) FIRST COAT: PRIMER AS RECOMMENDED BY MANUFACTURER.
     - 2) SECOND AND THIRD COATS: WATERBASED CATALYZED EPOXY B70-200/B60V25

C. INSTALLATION: PROVIDE COLORS AS SELECTED BY THE ARCHITECT. ALL UNDERCOATS SHALL BE TINTED TO THE APPROXIMATE SHADE OF THE FINAL FINISH COAT. USE OSHA STANDARDS FOR SAFETY COLOR CODING WHERE APPLICABLE. PREPARE ALL SURFACES INCLUDING PREVIOUSLY PAINTED SURFACES AS RECOMMENDED BY THE MANUFACTURER. APPLY MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND RATES.

D. SUBMITTALS: SCHEDULE OF ALL PAINT PROPOSED FOR USE AND SAMPLES FOR SELECTION.

102000 - LOUVERS AND VENTS:

A. MANUFACTURERS/ PRODUCTS: ARROW UNITED INDUSTRIES, CONSTRUCTION SPECIALTIES, INC., RUSKIN COMPANY.
1. 1. BASIS OF DESIGN PRODUCT: MODEL RS-4300 BY CONSTRUCTION SPECIALTIES INC. OR EQUIVALENT PRODUCT BY ONE OF THE OTHER MANUFACTURERS NAMED.

B. MATERIALS AND FABRICATION:
1. PROVIDE LOUVERS CAPABLE OF WITHSTANDING A UNIFORM PRESSURE WIND LOAD OF 40 lbf/ sq. ft. AND THERMAL MOVEMENTS. PROVIDE AAIR PERFORMANCE, WATER PENETRATION, AIR-LEAKAGE AND WIND DRIVEN RAIN RATINGS TESTED ACCORDING TO AMCA 500-L
2. FIXED, EXTRUDED ALUMINUM LOUVER: HORIZONTAL STORM RESISTANT, 4 INCHES DEEP, 0.060 INCH THICKNESS FOR BLADES AND .080 INCH THICKNESS FOR FRAMES.
3. PERFORMANCE REQUIREMENTS:
   - FREE AREA: 46.9%
   - INTAKE PRESSURE DROP AT 1000 fpm FREE AREA VELOCITY: 0.29 IN. WATER.
   - EXHAUST PRESSURE DROP AT 1000 fpm FREE AREA VELOCITY: 0.24 IN. WATER.
4. LOUVER SCREENS: PROVIDE 0.063 INCH ALUMINUM WIRE, 1/2 INCH SQUARE MESH BIRD SCREENING WITH FRAME.
5. FINISH: PROVIDE HIGH PERFORMANCE FLUOROPOLYMER TWO COAT ORGANIC COATING FINISH, IN COLOR SELECTED BY THE ARCHITECT, FROM MANUFACTURERS FULL RANGE.

C. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

102601 - WALL & CORNER GUARDS:

A. MANUFACTURERS/ PRODUCTS:
   - a. ARDEN ARCHITECTURAL SPECIALTIES, INC: WWW.ARDENARCH.COM.
   - b. CONSTRUCTION SPECIALTIES, INC: WWW.C-SGROUP.COM/#SLE.
   - c. INPRO CORPORATION: WWW.INPROCORP.COM.
   - d. SUBSTITUTIONS: AS SUBMITTED IN COMPLIANCE WITH THE DIVISION 1 SPECIFICATIONS.
   - MATERIALS AND FABRICATION:
   - e. CORNER GUARDS - SURFACE MOUNTED: HIGH IMPACT VINYL WITH EXTRUDED ALUMINUM FULL HEIGHT RETAINER AND INTEGRAL IMPACT ABSORBING DEVICE.
     - PERFORMANCE: RESIST LATERAL IMPACT FORCE OF 100 LBS AT ANY POINT WITHOUT DAMAGE OR PERMANENT SET.
     - SIZE: 2 INCHES.
     - CORNER: SQUARE.
     - COLOR: AS SELECTED FROM MANUFACTURER'S STANDARD COLORS.
     - LENGTH: ONE PIECE.
     - PREFORMED END CAPS.
     - QUANTITY: PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS OF GYPSUM BOARD WALL LOCATIONS. COORDINATE WITH ARCHITECT AND OWNER.

B. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS
C. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

104310 - SIGNAGE:

A. MANUFACTURERS/ PRODUCTS: ASI SIGN SYSTEMS, INC OR APPROVED EQUAL.
B. MATERIALS AND FABRICATION:
1. BASIS OF DESIGN PRODUCT:
2. SIGN SCHEDULE:

C. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
D. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS AND SAMPLES.

104400 - FIRE PROTECTION SPECIALTIES:

A. MANUFACTURERS/ PRODUCTS:
   - a. FIRE EXTINGUISHERS:
     - ANSUL, INC: WWW.ANSUL.COM.
     - PYRO-CHEM: WWW.PYROCHEM.COM.
     - SUBSTITUTIONS: SEE SECTION 01 60 00 - PRODUCT REQUIREMENTS.
   - b. FIRE EXTINGUISHER CABINETS AND ACCESSORIES:
     - ANSUL, INC.: WWW.ANSUL.COM.
     - JL INDUSTRIES, INC: WWW.JLINDUSTRIES.COM.
     - LARSEN'S MANUFACTURING CO: WWW.LARSENSMFG.COM.
     - POTTER-ROEMER: WWW.POTTERROEMER.COM.
     - PYRO-CHEM: WWW.PYROCHEM.COM.
     - SUBSTITUTIONS: SEE SECTION 01 60 00 - PRODUCT REQUIREMENTS.

B. MATERIALS AND FABRICATION:
   - a. FIRE EXTINGUISHERS - GENERAL: COMPLY WITH PRODUCT REQUIREMENTS OF NFPA 10 AND APPLICABLE CODES, WHICHEVER IS MORE STRINGENT.
     - WATER TYPE FIRE EXTINGUISHERS: STAINLESS STEEL TANK, PRESSURIZED, INCLUDING HOSE AND NOZZLE
       1. CLASS: 2A.
       2. SIZE: 2.5 GALLON.
       3. TEMPERATURE RANGE: 40 DEGREES F TO 120 DEGREES F.
     - FOAM TYPE FIRE EXTINGUISHERS: STAINLESS STEEL TANK, WITH PRESSURE GAGE.
       1. CLASS: A:B.
       2. SIZE: 2.5 POUND.
       3. TEMPERATURE RANGE: 40 DEGREES F TO 120 DEGREES F.
   - b. FIRE EXTINGUISHER CABINET: SEMI-RECESSED TYPE.
     - SIZED TO ACCOMMODATE ACCESSORIES.
     - TRIMLESS TYPE.
     - FORM CABINET ENCLOSURE WITH RIGHT ANGLE INSIDE CORNERS AND SEAMS. FORM PERIMETER TRIM.
   - c. DOOR GLAZING: PLASTIC, CLEAR, 1/8 INCH THICK ACRYLIC. SET IN RESILIENT CHANNEL GASKET GLAZING.
   - d. CABINET MOUNTING HARDWARE: APPROPRIATE TO CABINET. PRE-DRILL FOR ANCHORS.
   - e. FINISH OF CABINET EXTERIOR TRIM AND DOOR: BAKED ENAMEL, COLOR AS SELECTED.
   - f. FINISH OF CABINET INTERIOR: WHITE ENAMEL.

C. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
D. SUBMITTALS: PRODUCT DATA, AND SAMPLES.

108010 - TOILET AND BATH ACCESSORIES:

A. MANUFACTURERS/ PRODUCTS:
1. TOILET AND BATH ACCESSORIES: AMERICAN SPECIALTIES INC., BOBRICK WASHROOM EQUIPMENT INC., BRADLEY CORPORATION
2. WARM AIR DRYERS: AMERICAN DRYER INC., EXCEL DRYER CORPORATION, WORLD DRYER CORPORATION.

B. MATERIALS AND FABRICATION: REFER TO TOILET ROOM ACCESSORY SCHEDULE ON THE DRAWINGS. THE DESIGNATION FOR EACH ACCESSORY IS BASED ON BOBRICK WASHROOM EQUIPMENT INC., PROVIDE EITHER THE NAMED PRODUCT OR EQUIVALENT PRODUCT BY ONE OF THE OTHER MANUFACTURERS NAMED.

C. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

D. SUBMITTALS: PRODUCT DATA, AND SAMPLES.

105500 - POSTAL SPECIALTIES:

A. MANUFACTURERS/ PRODUCTS:
   - a. MANUFACTURERS:
     - BASIS OF DESIGN: PRODUCTS BY LUXER ONE: HTTPS://WWW.LUXERONE.COM.
       1. CENTRAL MAIL DELIVERY BOXES: PROVIDE PRODUCTS APPROVED FOR UNITED STATES POSTAL SERVICE (USPS) DELIVERY.
          - A. MATERIALS: ALUMINUM WITH STAINLESS STEEL HARDWARE.
          - B. FINISH: POWDER COAT, BLACK, IN COLOR.
       2. WALL-MOUNTED MAILBOXES: FULLY-RECESSED, COMPLYING WITH 39 CFR 111 (USPS-STD-4C). UNITS WILL BE MOUNTED AT SEPARATE LOCATIONS WITH-IN THE SAME ROOM.
          - A. UNIT 1: FRONT-LOADING (6-3/4" H X 13-1/4" W) DOORS WITH MASTER DOOR, MULTIPLE-COLUMN DESIGN, 56 CUSTOMER COMPARTMENTS, 1 OUTGOING MAIL COMPARTMENT.
          - B. UNIT 2: FRONT-LOADING PARCEL (20-3/4" H), 18 CUSTOMER UNITS.

B. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.
C. SUBMITTALS: PRODUCT DATA, AND SAMPLES.

122400 - WINDOW SHADES:

A. MANUFACTURERS/PRODUCTS
   - a. INTERIOR MANUALLY OPERATED ROLLER SHADES:
     - SWF CONTRACT, A DIVISION OF SPRINGS WINDOW FASHIONS, LLC.
       1. WWW. SWFCONTRACT.COM/#SLE.

B. ROLLER SHADES
   - a. GENERAL:
     - PROVIDE SHADE SYSTEM COMPONENTS THAT ARE EASY TO REMOVE OR ADJUST WITHOUT REMOVAL OF MOUNTED SHADE BRACKETS.
     - PROVIDE SHADE SYSTEM THAT OPERATES SMOOTHLY WHEN SHADES ARE RAISED OR LOWERED.
   - b. ROLLER SHADES:
     - BASIS OF DESIGN: AS SCHEDULED ON DRAWINGS.
     - DESCRIPTION - INTERIOR ROLLER SHADES: SINGLE OR DOUBLE ROLLER, MANUALLY OPERATED FABRIC WINDOW SHADE SYSTEM COMPLETE WITH MOUNTING BRACKETS, ROLLER TUBES, HEMBARS, HARDWARE, AND ACCESSORIES.
       1. DROP POSITION: REGULAR ROLL.
       2. MOUNTING: WINDOW JAMB MOUNTED - INSIDE, BETWEEN JAMBS.
       3. SIZE AND CONFIGURATION: AS INDICATED ON DRAWINGS.
       4. FABRIC: AS SCHEDULED ON DRAWINGS.
     - BRACKETS AND MOUNTING HARDWARE: AS RECOMMENDED BY MANUFACTURER FOR MOUNTING INDICATED