

DEL'S SERVICE CENTER

New 15,980 S.F. Auto Service Facility

4001 North Kinney Coulee Road

Lacrosse, WI 54601

Graphic Symbols

TOILET RM 	Room Name Room Number
	Section Number Sheet Number
	Elevation Number Sheet Number
	Detail Number Sheet Number
	Door Number
	Window Type
	Key Note
	Wall Type
	Vertical Working Point Elevation

Material Symbols

	Existing (Section View)
	Earth
	Concrete
	Concrete Block
	Face Brick
	Stone
	Structural Steel
	Batt Insulation
	Rigid Insulation
	Rough Lumber
	Finish Wood
	Plywood
	Ceramic Tile
	Gyp. Board
	Plaster or Stucco

Typical Abbreviations List

A.F.F. A.T. ADJ. ACP AT AWP ALT. ALUM. ®	ABOVE FINISHED FLOOR ACOUSTICAL TILE ADJUSTABLE ACOUSTIC CEILING PANEL ACOUSTIC CEILING TILE ACOUSTIC WALL PANEL ALTERNATE ALUMINUM AT	MBD MAS. M.O. MAX. MECH. MTL. MIN.	MARKER BOARD MASONRY MASONRY OPENING MAXIMUM MECHANICAL METAL MINIMUM
BRG. BIT. BLK'G. BR. BLDG.	BEARING BITUMINOUS BLOCKING BRICK BUILDING	N.I.C. N.T.S.	NOT IN CONTRACT NOT TO SCALE
CAB. CPT. CLG. CT. COL. CONC. C.B. CMU CONT. CONTR. C.J. COORD.	CABINET CARPET CEILING CERAMIC TILE COLUMN CONCRETE CONCRETE BLOCK CONCRETE MASONRY UNIT CONTINUOUS — CONTINUED CONTRACTOR CONTROL JOINT COORDINATE	O.C. O.D. OH.	ON CENTER OUTSIDE DIAMETER OVERHEAD
DIA. DRS. D.S.	DIAMETER DOORS DOWN SPOUT	P. PLAS. P. LAM. PL. PLBG. PLYWD. PCT. P/C PRECAST PREFAB. PREFIN. P.T.	PAINT PLASTER PLASTIC LAMINATE PLATE PLUMBING PLYWOOD PORCELAIN CERAMIC TILE PRECAST PRECAST TERRAZZO PREFABRICATED PREFINISHED PRESSURE TREATED
E.W.C. ELECT. EL. ELEV. E.P. EQUIP. EXIST. E.P.S. EXP. EXT. E.I.F.S.	ELECTRIC WATER CHILLIER ELECTRICAL ELEVATION ELEVATOR EPOXY PAINT EQUIPMENT EXISTING EXPANDED POLYSTYRENE EXPOSED EXTERIOR EXTERIOR INSULATION FINISH SYSTEM	Q.T.	QUARRY TILE
F.V. FIN. F.E. FL. F.D. FTG. FDN.	FIELD VERIFY FINISH FIRE EXTINGUISHER FLOOR FLOOR DRAIN FOOTING FOUNDATION	REINF.	REINFORCING OR REINFORCEMENT
GEN. G.C. GL. GL.CMU. G.F.CMU. GYP. BD.	GENERAL GENERAL CONTRACTOR GLASS OR GLAZING GLAZED CMU GROUND FACE CMU GYPSUM BOARD	REQ'D. R. R.D. RFG. RM.	REQUIRED RISERS ROOF DRAIN ROOFING ROOM
H&V H.C. H.M. H.O. HORIZ. HR. HYD.	HEATING & VENTILATION HOLLOW CORE HOLLOW METAL HOLD OPEN ARM HORIZONTAL HOURS HYDRANT	SCHED. S. SIM. SV S.C. S.SURF. SPEC. SPORT SURF. ST. S.S. STRUCT.	SCHEDULE SEALED SIMILAR SHEET VINYL SOLID CORE SOLID SURFACE SPECIFICATION SPORT SURFACES STAIN STAINLESS STEEL STRUCTURE OR STRUCTURAL
INSUL. INT.	INSULATION INTERIOR	T.BD. T.S. TEMP. TERR.T. T&G T/ T.P. TR. TYP.	TACKBOARD TACK SURFACE TEMPERED TERRAZZO TILE TONGUE & GROOVE TOP OF TOILET PARTITION TREADS TYPICAL
JT. JST.	JOINT JOIST	UNFIN.	UNFINISHED
		V.B. VERT. V.C.T. V.W.C. VB	VAPOR BARRIER VERTICALLY VINYL COMPOSITION TILE VINYL WALL COVERING VINYL BASE
		W.W.F. WDW. W/ WD.	WELDED WIRE FABRIC WINDOW WITH WOOD

SCOPE OF WORK

THIS PROJECT CONSISTS OF A NEW 15,980 SQ. FT. SINGLE STORY BUILDING. THIS BUILDING WILL BE OCCUPIED AS AN AUTOMOTIVE AND TRUCK SERVICE AND REPAIR GARAGE WITH ASSOCIATED BUSINESS OFFICE AREA.

THE BUILDING IS BEING SEPARATED INTO 2 FIRE AREAS BY A 3 HOUR RATED CMU FIRE WALL PER IBC 706.

THE CONSTRUCTION CONSISTS OF A SLAB ON GRADE FLOOR THROUGHOUT WITH A REINFORCED CONCRETE FROST WALL FOUNDATION AND FOOTING SYSTEM.

THE MAIN FRAME STRUCTURE IS A PRE-ENGINEERED METAL BUILDING WITH AN ENGINEERED STEEL COLUMN AND BEAM SYSTEM.

THE EXTERIOR WALLS ARE A COMBINATION OF INSULATED PRECAST WALL PANELS AND PREFINISHED INSULATED METAL WALL PANELS ON 8" HORIZONTAL METAL GIRTS ON A PRE-ENGINEERED METAL STRUCTURE.

THE ROOF SYSTEM IS A STANDING SEAM METAL ROOF ON 9 1/2" METAL ROOF PURLINS ON A PRE-ENGINEERED METAL BEAM & COLUMN STRUCTURE.

CODE CRITERIA

GOVERNING CODES — STATE OF WISCONSIN
CITY OF LACROSSE — LACROSSE COUNTY

APPLICABLE CODES: ALL WORK UNDER THIS CONTRACT SHALL COMPLY WITH THE PROVISIONS OF THE SPECIFICATIONS AND DRAWINGS, AND SHALL SATISFY ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNING BODIES INVOLVED. APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING ADOPTED CODES:

2021 IBC WITH WISCONSIN AMENDMENTS (SPS 362)
2021 IMC WITH WISCONSIN AMENDMENTS (SPS 364)
WISCONSIN ELECTRIC CODE (SPS 316)
WISCONSIN PLUMBING CODE (SPS 381-387)
2021 IECC WITH WISCONSIN AMENDMENTS (SPS 362)
2021 NFPA 101 LIFE SAFETY CODE
2021 INTERNATIONAL FIRE CODE
ACCESSIBILITY: 2017 ANSI 117.1 (IBC CHP 11)

CODE DATA

I. BUILDING INFORMATION:
A. BUILDING DESIGNATION:
DEL'S SERVICE CENTER
AUTOMOTIVE AND TRUCK REPAIR

B. BUILDING LOCATION:
NORTH KINNEY COULEE ROAD
LACROSSE, WI 54601

II. BUILDING CLASSIFICATIONS:

A. OCCUPANCY GROUP:

—SEC. 304.1 — BUSINESS B
OFFICE AND CUSTOMER SERVICE AREAS
—SEC. 311.2 — MODERATE HAZARD STORAGE S-1
MOTOR VEHICLE REPAIR GARAGE
NO COMMERCIAL VEHICLES REPAIRED
IN THIS AREA OVER 26,000 LBS
—SEC. 311.2 — MODERATE HAZARD STORAGE S-1
HEAVY DUTY REPAIR GARAGE
COMMERCIAL VEHICLES REPAIRED IN
THIS AREA OVER 26,000 LBS

B. BUILDING AREA:

TOTAL BUILDING AREA = 15,980 S.F.
BUSINESS B = 1,872 S.F. (FIRE AREA 1)
MODERATE-HAZARD STORAGE S-1 (FIRE AREA 1)
REPAIR SHOP NO COMMERCIAL VEHICLES = 9,258 S.F.
EQUIPMENT PLATFORMS PER 503.3 (2,630 SQ. FT.)

TOTAL FIRE AREA 1 = 11,130 S.F.

MODERATE-HAZARD STORAGE S-1 (FIRE AREA 2)
COMMERCIAL VEHICLES REPAIR = 4,850 S.F.

TOTAL FIRE AREA 2 = 4,850 S.F.

FIRE AREA 1 AND FIRE AREA 2 ARE SEPARATED BY A 3 HR RATED FIRE WALL PER SECTION 706 AND TABLE 706.4

C. CONSTRUCTION TYPE:

—SECTION 602.2 — TYPE II-B NONCOMBUSTIBLE

D. SPRINKLER SYSTEMS

A SPRINKLER SYSTEM IS NOT REQUIRED ON THIS PROJECT
—SEC. 903.2.9 — GROUP S-1

1. GROUP S-1 FIRE AREA IN THIS PROJECT DOES NOT EXCEED 12,000 SQ. FT.
2. NO FIRE AREA ON THIS PROJECT IS LOCATED MORE THAN THREE STORIES ABOVE GRADE
3. THE COMBINED FIRE AREA ON ALL FLOORS INCLUDING MEZZANINES ON THIS PROJECT DOES NOT EXCEED 24,000 SQ. FT.
—SEC. 903.2.9.1 REPAIR GARAGES — GROUP S-1
1. THIS IS A 1 STORY BUILDING.
2. THIS BUILDING IS NOT MORE THAN 1 STORY ABOVE GRADE PLANE AND THE FIRE AREA DOES NOT EXCEED 12,000 SQ. FT.
3. THERE IS NO BASEMENT IN THIS BUILDING.
4. GROUP S-1 FIRE AREA (FIRE AREA 2) USED FOR THE REPAIR OF COMMERCIAL VEHICLES DOES NOT EXCEED 5,000 SQ. FT. ON THIS PROJECT (4,800 S.F.)

E. OCCUPANCY LOAD:

NUMBERS BASED ON TABLE 1004.5 —
BUSINESS AREA = 100 S.F. PER OCCUPANT GROSS
1,800 / 100 = 18 OCCUPANTS
WAREHOUSE SPACES = 500 S.F. PER OCCUPANT GROSS
14,312 / 500 = 29 OCCUPANTS
TOTAL OCCUPANTS 47 OCCUPANTS

F. EXITING:

—TABLE 1006.3.1 — MINIMUM NUMBER OF EXITS
OCCUPANTS 1 —500 = 2 EXITS
7 EXITS ARE PROVIDED
—TABLE 1017.2 — EXIT TRAVEL DISTANCE
MAXIMUM TRAVEL DISTANCE 200'
MAXIMUM TRAVEL IN THIS BUILDING DOES NOT EXCEED 165'

G. RESTROOM FACILITIES:

—TABLE 2902.1 — MINIMUM PLUMBING FIXTURES
BUSINESS B (MALE & FEMALE) = 1 PER 25 FOR THE FIRST 50
STORAGE S-1 = 1 PER 100
(2) RESTROOMS REQUIRED (3) RESTROOMS PROVIDED
2902.2 SEPARATE FACILITIES
EXCEPTION 6. SEPARATE FACILITIES ARE NOT REQUIRED ON THIS PROJECT AS ALL SINGLE USE RESTROOMS ARE DESIGNATED FOR USE BY BOTH SEXES (UNISEX)
(1) SERVICE SINK PROVIDED

SHEET INDEX

GENERAL

T1.0 Title Sheet / Code Data / Plan Index
C1.0 Architectural Site Plan

ARCHITECTURAL

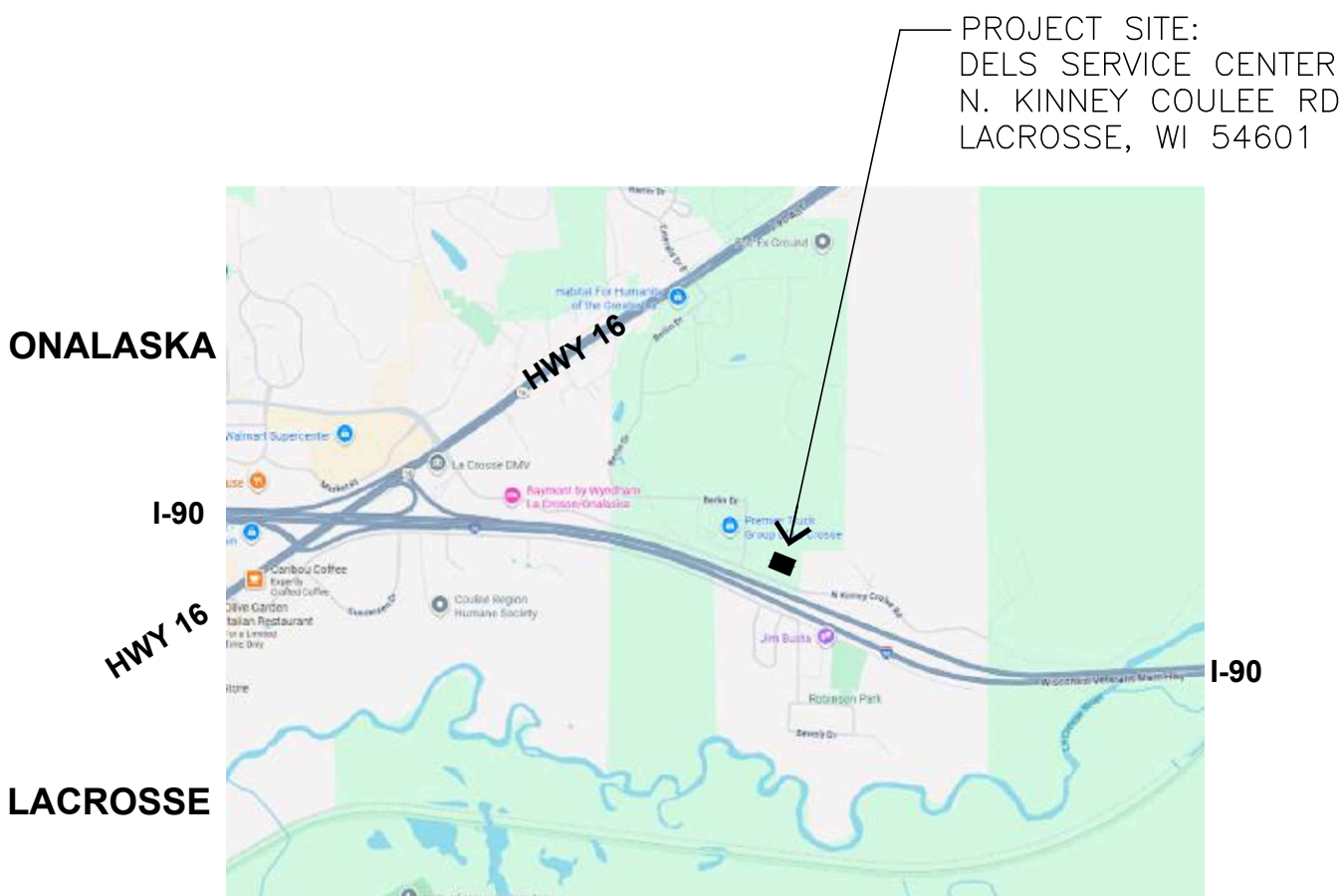
A1.0 Floor Plans & Wall Types
A1.1 Enlarged Office Plan
A1.2 Equipment Platform Plan
A1.3 Enlarged Restroom Plans
A1.4 Door & Window Schedules
A1.5 Reflected Ceiling Plan
A2.0 Deck Framing Plans
A2.1 Deck Framing Details
A3.0 Exterior Elevations
A4.0 Building Sections
A4.1 Wall Sections
A4.2 Wall Sections

STRUCTURAL

S0.1 Structural Specifications
S1.0 Foundation Plan
S1.1 Foundation Details
S1.2 Foundation Details
S1.3 Slab Plan & Details
S2.0 Precast & CMU Wall Opening Plan
S3.0 Roof Framing Plan & Details



Site Location Map
N.T.S.



Site Vicinity Map
N.T.S.

Commercial
Industrial
Residential
EsKay Architecture
Onalaska, WI 54650 Ph: 608-317-1565
Email: eskayarchitect@gmail.com

GENERAL CONTRACTOR:
Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET - TYPE
12/05/25 DESIGN SET

DRAWN BY:

REVISIONS

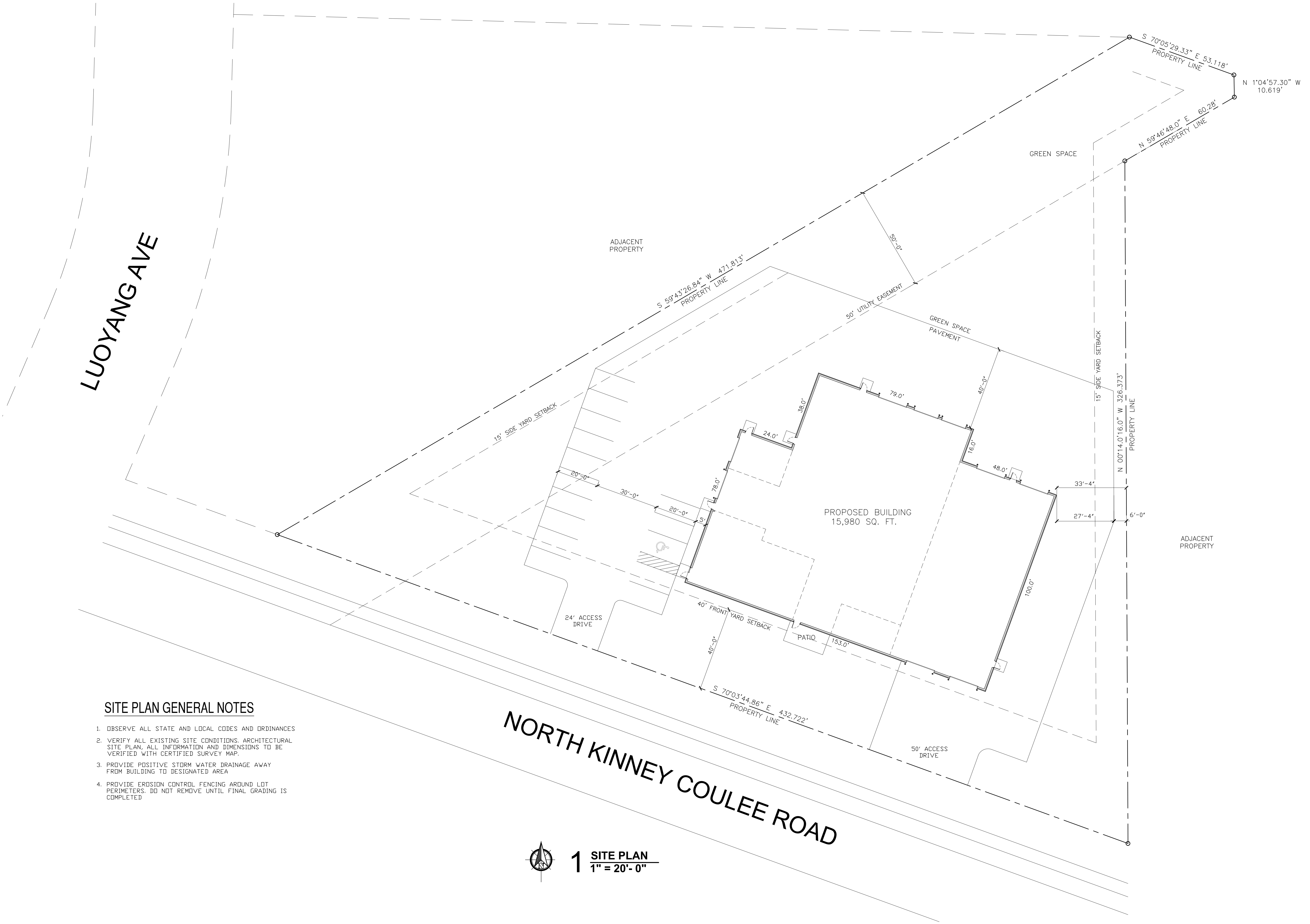
NO. DATE

SHEET TITLE

TITLE SHEET
PROJECT INFO
CODE DATA

SHEET NO.

T1.0



SITE PLAN GENERAL NOTES

- OBSERVE ALL STATE AND LOCAL CODES AND ORDINANCES
- VERIFY ALL EXISTING SITE CONDITIONS. ARCHITECTURAL SITE PLAN, ALL INFORMATION AND DIMENSIONS TO BE VERIFIED WITH CERTIFIED SURVEY MAP.
- PROVIDE POSITIVE STORM WATER DRAINAGE AWAY FROM BUILDING TO DESIGNATED AREA
- PROVIDE EROSION CONTROL FENCING AROUND LOT PERIMETERS. DO NOT REMOVE UNTIL FINAL GRADING IS COMPLETED

1 SITE PLAN
1" = 20'-0"

Eskay Architecture
- Commercial
- Industrial
- Residential
Onalaska, WI 54650 Ph: 608-317-1565
Email: eskayarchitect@gmail.com

Borton Construction
GENERAL CONTRACTOR:
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

PROJECT TITLE:
**DEL'S SERVICE CENTER
15,980 S.F. BUILDING**

PROJECT LOCATION:
**4001 N. KINNEY COULEE RD
LACROSSE, WI 54601**

DATE / SET - TYPE
12/11/25 DESIGN PLAN

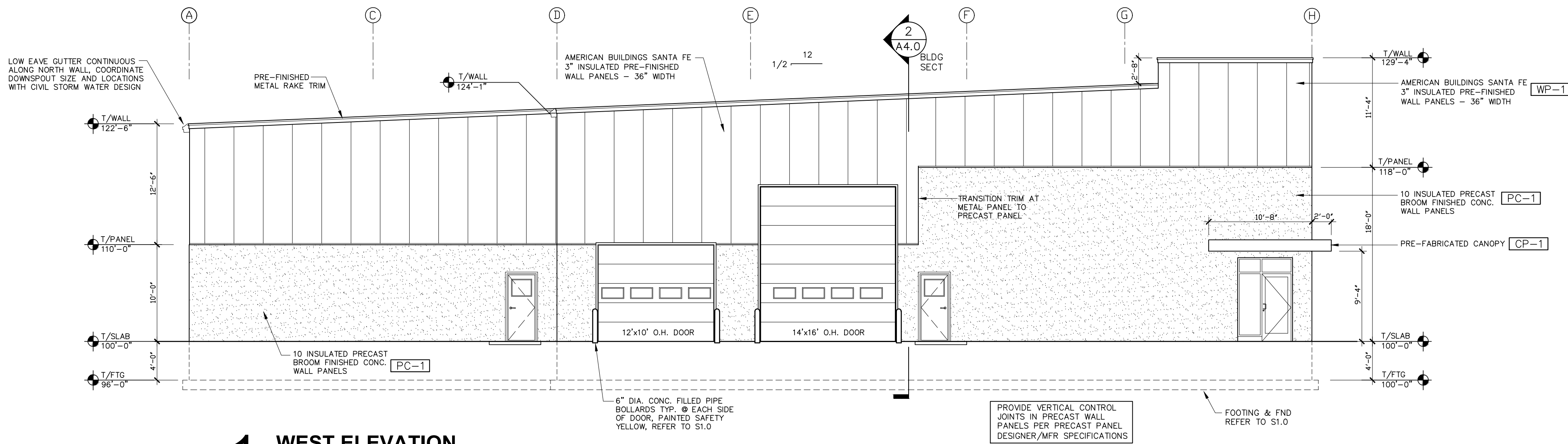
DRAWN BY:

REVISIONS	
NO.	DATE

SHEET TITLE
ARCHITECTURAL
SITE PLAN

SHEET NO.

C1.0

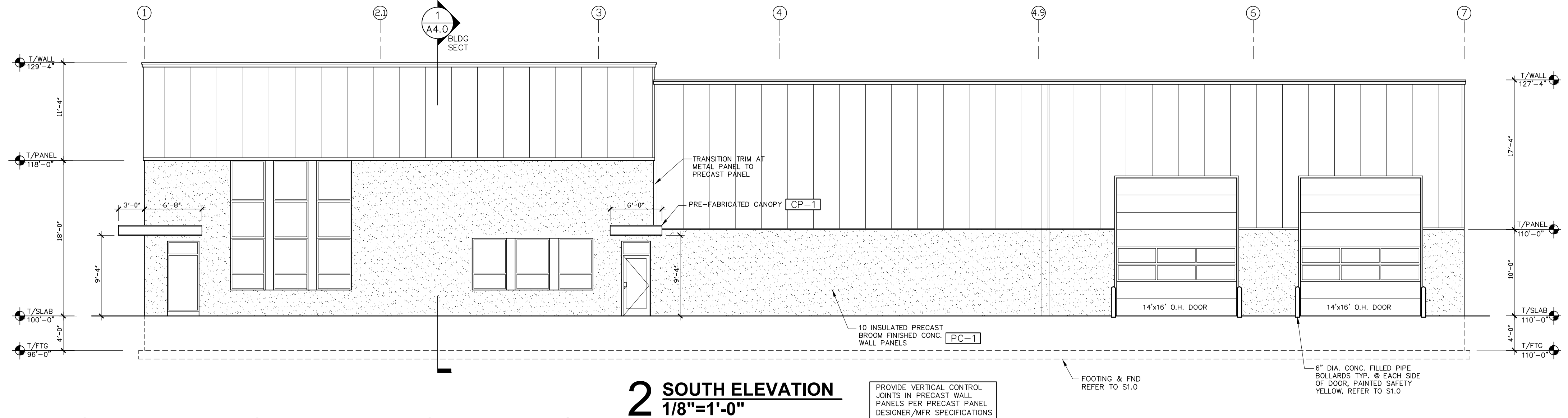


1 WEST ELEVATION
1/8"=1'-0"

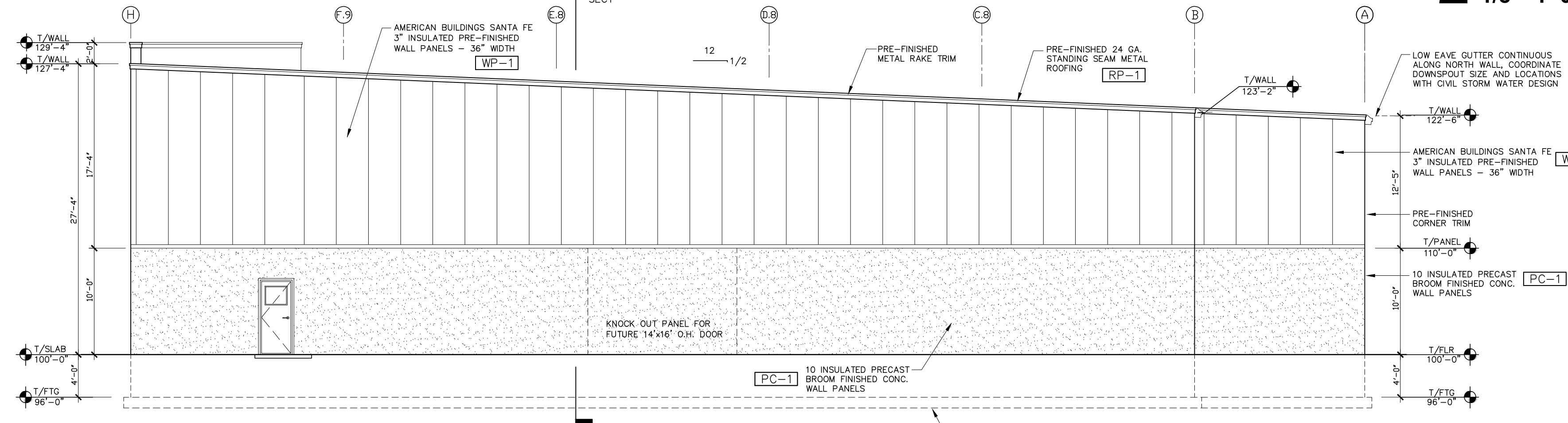
EXTERIOR FINISH LEGEND			
MARK	DESCRIPTION	GENERAL LOCATION	NOTES
PC-1	10" INSULATED PRE-CAST WALL PANELS BROOM FINISH - CONCRETE GRAY	BASE WALL PANEL @ COMPLETE PERIMETER 10' & 18' HEIGHTS	
WP-1	3"x 36" INSULATED VERTICAL METAL WALL PANEL - AMERICAN BUILDINGS SANTA FE	UPPER WALL PANEL @ COMPLETE PERIMETER	
RP-1	ROOF PANEL 24 GA. STANDING SEAM 360	COMPLETE ROOF	
WF-1	STOREFRONT WINDOW FRAMES - BLACK	ALL WINDOW FRAMES	
DF-1	STOREFRONT DOOR FRAMES - BLACK	STOREFRONT ENTRY FRAMES	
DF-2	HOLLOW METAL DOOR FRAMES - BLACK	EXTERIOR SERVICE DOOR FRAMES	
CP-1	MAPES PRE-FABRICATED CANOPY - BLACK	EXTERIOR CANOPIES	

NOTES

1. ALL FINISH MATERIALS MANUFACTURER'S, STYLES, PATTERNS, AND COLORS TO BE SELECTED / APPROVED BY THE OWNER
2. ALL WALL PANEL TRIM, RAKE AND PARAPET CAP TO BE BLACK
3. DRY BLOCK WATER REPELLANT ADDITIVE IN MORTAR, TOOL ALL JOINTS

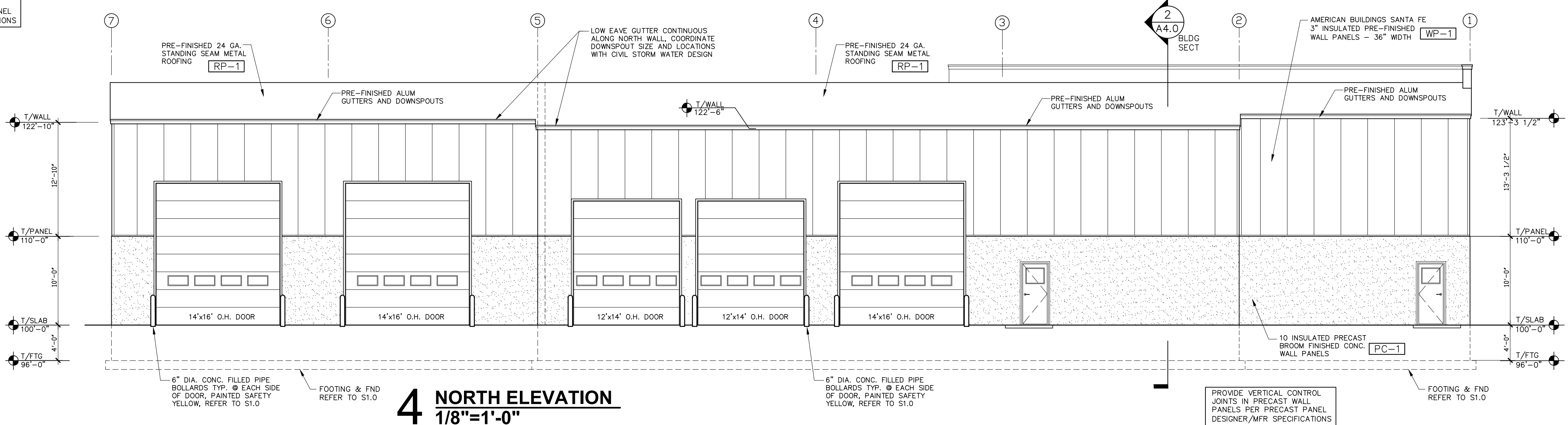


2 SOUTH ELEVATION
1/8"=1'-0"

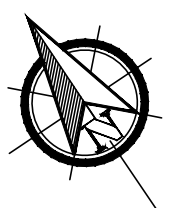
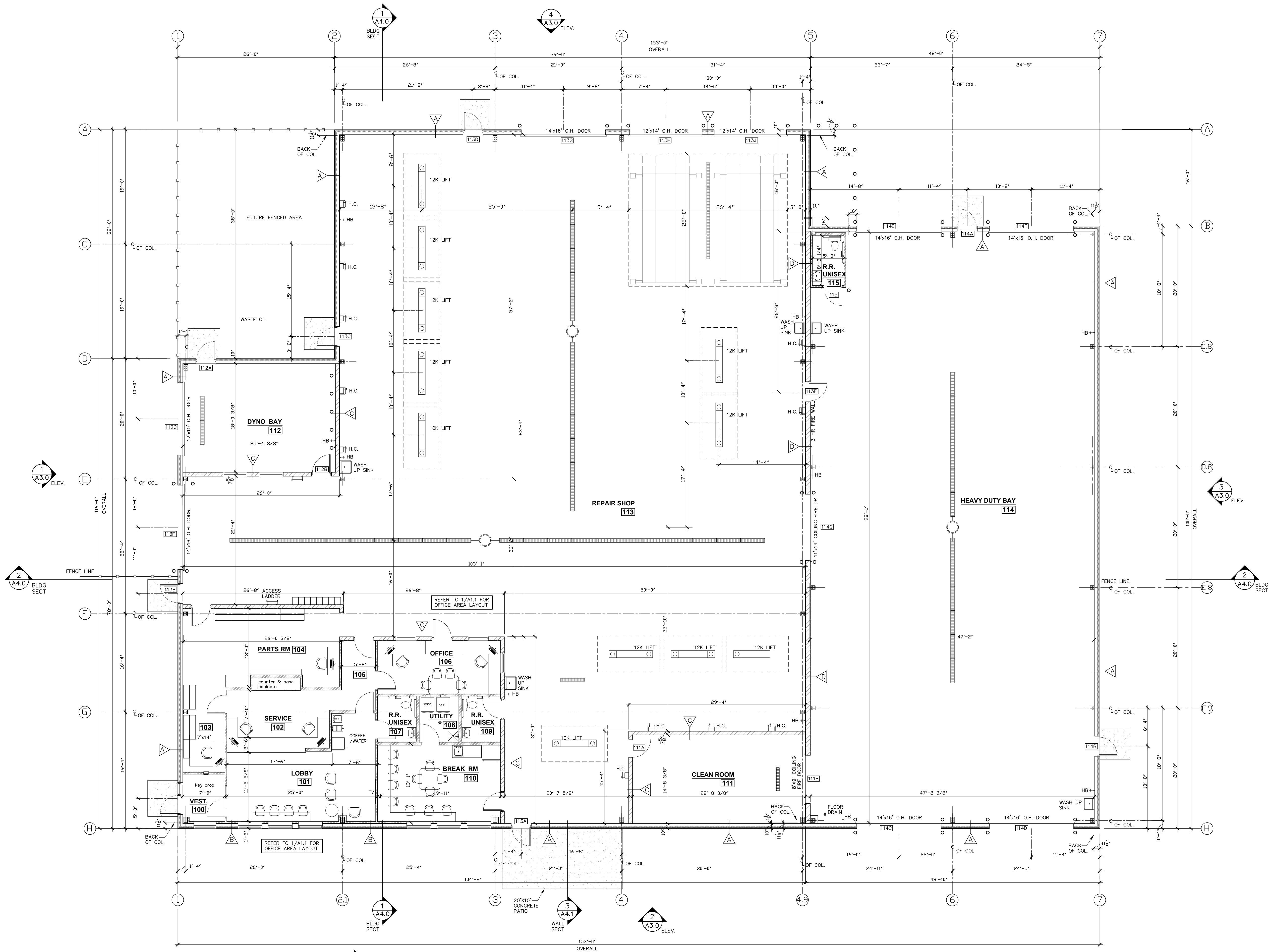


3 EAST ELEVATION
1/8"=1'-0"

- GENERAL ELEVATION NOTES**
1. VERIFY ALL EXTERIOR FINISHES USED ON THIS PROJECT. PROVIDE FLASHING AND SEALANTS AS REQUIRED FOR A WEATHER TIGHT FINISH. TAPE, FLASH AND CAULK ALL WINDOWS PER WINDOW INSTALLATION REQUIREMENTS.
 2. REFER TO PRE-ENGINEERED METAL BUILDING PLANS FOR COORDINATION AND INSTALLATION OF EXTERIOR INSULATED METAL WALL PANELS.
 3. REFER TO PRE-ENGINEERED METAL BUILDING PLANS FOR COORDINATION AND INSTALLATION OF PRE-FINISHED STANDING SEAM METAL ROOF PANELS.
 4. REFER TO PRECAST CONCRETE WALL PANEL DRAWINGS FOR COORDINATION AND INSTALLATION. PROVIDE VERTICAL CONTROL JOINTS PER PRECAST PANEL DESIGN.
 5. PROVIDE TREATED WOOD BLOCKING AND/OR METAL TRIM AS NECESSARY AT EXTERIOR LIGHT FIXTURES AND ANY OTHER MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS.
 6. PROVIDE SEAMLESS GUTTERS AND DOWNSPOUTS AT ROOF OVERHANGS. COORDINATE LOCATIONS OF DOWN SPOUTS WITH CIVIL DEIGN PLANS.
 7. REFER TO SHEET A1.4 FOR WINDOW SCHEDULE.



4 NORTH ELEVATION
1/8"=1'-0"



1 OVERALL FLOOR PLAN
1/8"=1'-0"

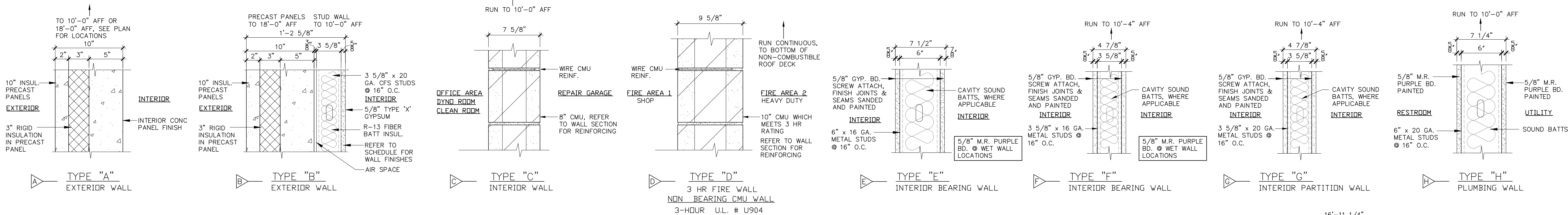
GENERAL CONSTRUCTION NOTES

- OBSERVE ALL STATE, LOCAL CODES AND O.S.H.A. SAFETY STANDARDS. HARD HATS AND EYE PROTECTION TO BE WORN AT ALL TIMES WHILE WORKING ON THIS PROJECT.
- OBSERVE ALL STATE, LOCAL CODES AND O.S.H.A. SAFETY STANDARDS. HARD HATS AND EYE PROTECTION TO BE WORN AT ALL TIMES WHILE WORKING ON THIS PROJECT.
- STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH IBC SECTION 2211 - COLD FORMED STEEL LIGHT-FRAME CONSTRUCTION.
- ALL FRAMING TO COLD-FORMED STEEL STUDS AND JOISTS TO BE IN ACCORDANCE WITH AISI S200 OR AISI S220. BOTTOM TRACK RUNNERS SET AGAINST CONCRETE OR CMU TO HAVE CONTINUOUS SILL SEALER.
- SEE BUILDING SECTION/NOTES FOR EXTERIOR WALL CONSTRUCTION, CONSTRUCTION METHODS AND SPECIFICATIONS.
- ALL DOOR HARDWARE TO MEET ICC/ANSI A117.1, SECTION 404.2.6 FOR OPERABILITY.
- PREP ALL WALLS AND FLOORS TO RECEIVE FINISHES AS REQUIRED PER FINISH MATERIAL MANUFACTURERS SPECIFICATIONS.
- FINAL SELECTIONS OF COLORS / MATERIALS / FINISHES TO BE APPROVED BY OWNER.
- DOOR LOCATIONS ARE AS SHOWN ON PLAN, CENTERED ON SHORT WALLS OR PROVIDE 4" OF FRAMING ON THE SIDE SHOWN ON THE PLAN. HINGE AND DOOR SWING AS SHOWN.
- 100 DENOTES DOOR TYPE. SEE DOOR SCHEDULE A1.2
- A DENOTES WINDOW TYPE. SEE WINDOW SCHEDULE A1.4
- MEP CONTRACTORS TO COORDINATE ALL EQUIPMENT BEING INSTALLED. VERIFY EQUIPMENT WITH THE OWNER AND MFR./SUPPLIER.
- HVAC DESIGNER/CONTRACTOR TO VERIFY ALL SYSTEM REQUIREMENTS FOR THIS PROJECT. PROVIDE ENGINEERED DESIGNED DRAWINGS TO STATE OF WISCONSIN FOR REVIEW/APPROVAL.
- ELECTRICAL DESIGNER/CONTRACTOR TO VERIFY ALL ELECTRICAL AND LIGHTING REQUIREMENTS FOR ALL ITEMS/EQUIPMENT BEING INSTALLED ON THIS PROJECT. PROVIDE GF'S WHERE REQ'D.
- PLUMBING DESIGNER/CONTRACTOR TO VERIFY ALL PLUMBING REQUIREMENTS FOR THIS PROJECT. VERIFY PLUMBING TIE IN LOCATIONS AND COORDINATE WITH FIXTURE LAYOUT. PROVIDE AIR GAPS, BACK FLOW PREVENTERS AND CLEAN OUTS WHERE REQ'D. PROVIDE ENGINEERED DESIGNED DRAWINGS TO STATE OF WISCONSIN FOR REVIEW/APPROVAL AS REQUIRED.
- MEP CONTRACTORS ARE RESPONSIBLE FOR ANY CUTTING AND PATCHING AS NEEDED FOR THE INSTALL OF THEIR WORK. GENERAL CONTRACTOR TO COORDINATE WITH MEP DESIGNERS/CONTRACTORS.
- FIRE EXTINGUISHERS SHALL BE PROVIDED PER IBC SECTION 906 AND MAINTAINED PER NFPA 10. LOCATION PER LOCAL FIRE MARSHALL.

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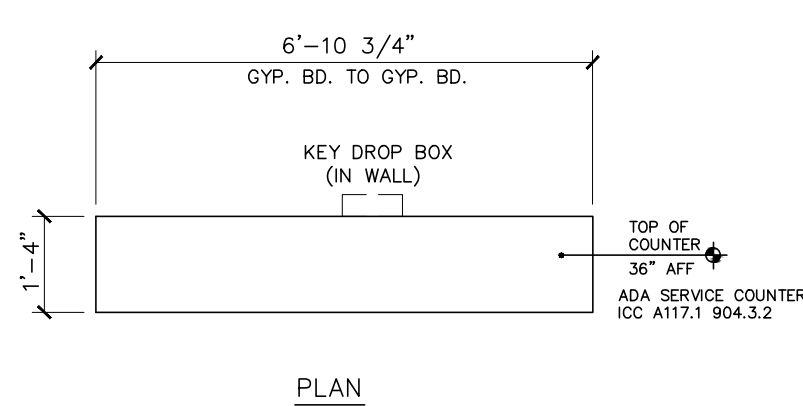
SHEET TITLE
FLOOR PLAN

SHEET NO.

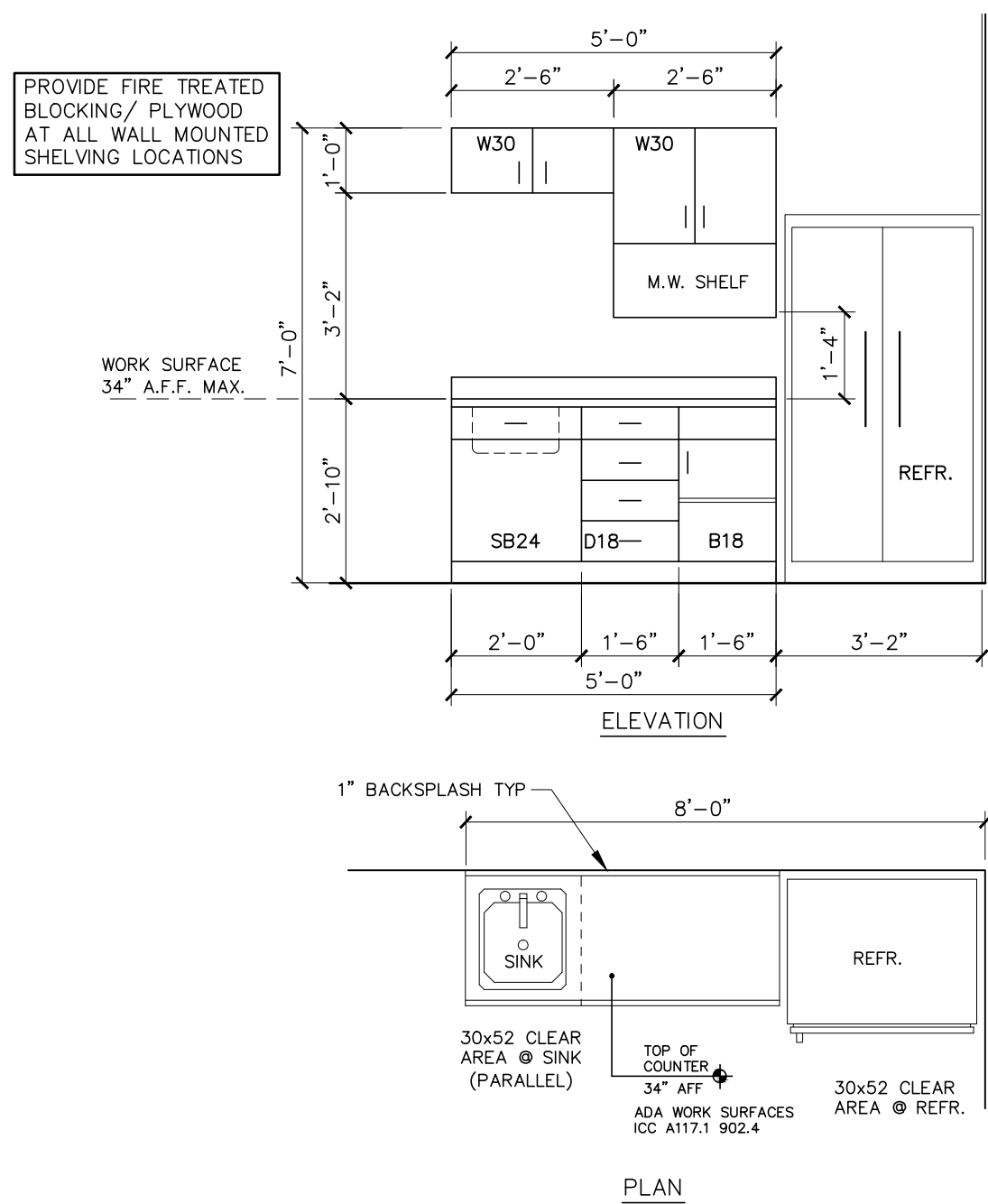


2 WALL TYPES
NTS

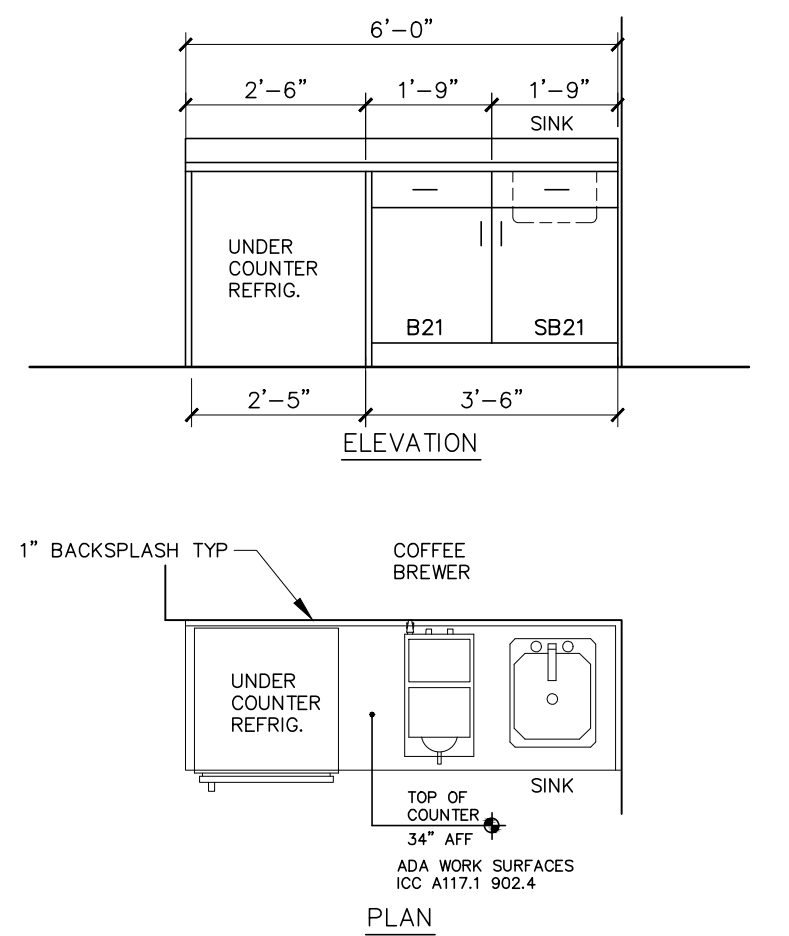
6 VESTIBULE CASEWORK
3/8" = 1'-0"



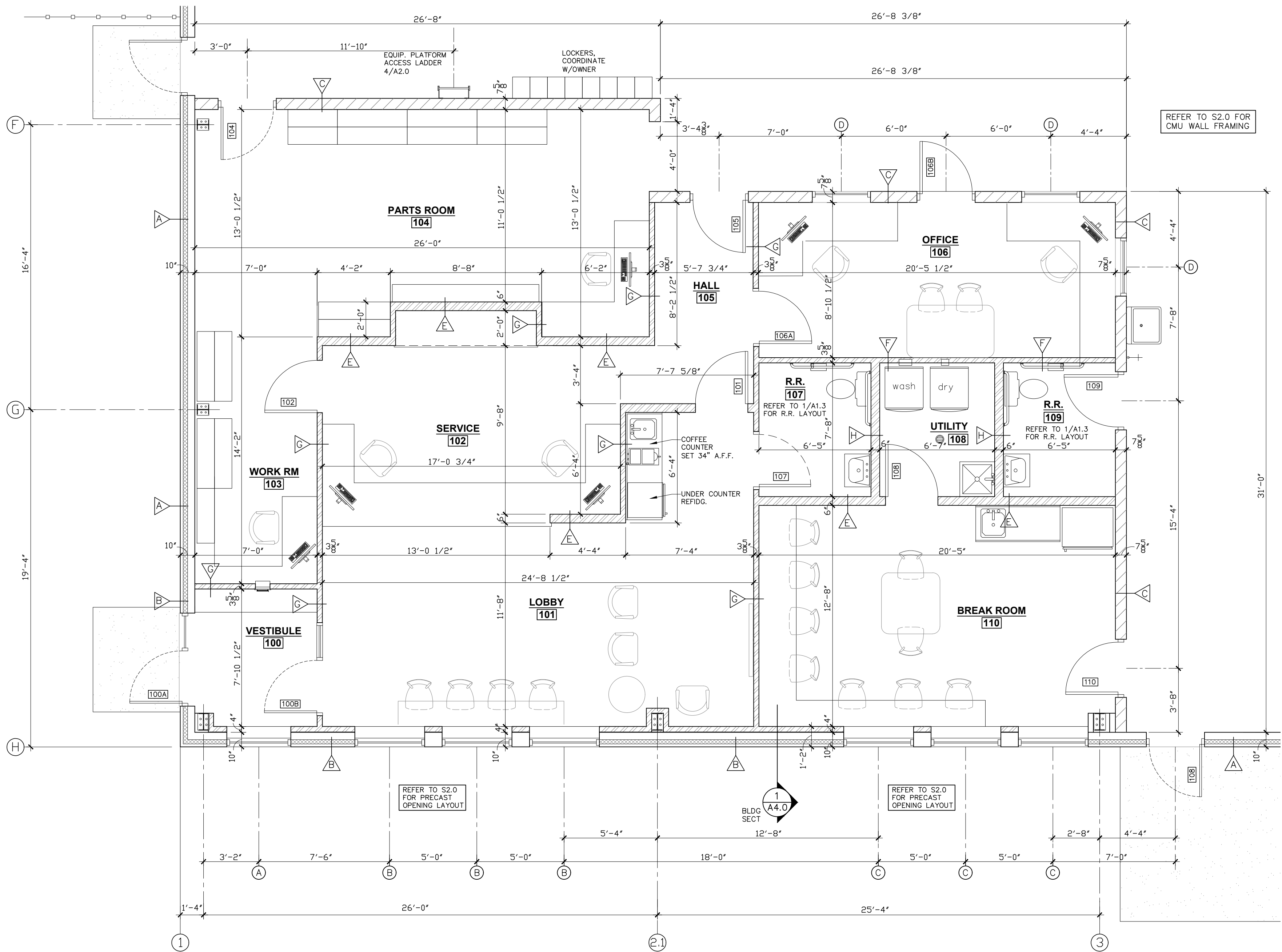
5 SERVICE COUNTER CASEWORK
3/8" = 1'-0"



4 BREAK ROOM CASEWORK
3/8" = 1'-0"



3 COFFE BAR CASEWORK
3/8" = 1'-0"



1 ENLARGED OFFICE PLAN
1/4"=1'-0"

GENERAL CONTRACTOR:

Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

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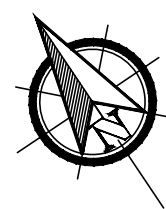
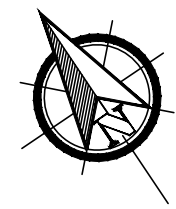
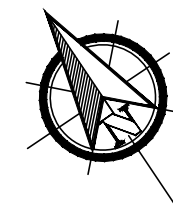
NO. DATE

SHEET TITLE

ENLARGED OFFICE
PLAN & WALL TYPES

SHEET NO.

A1.1


$$\underline{3/16"=1'-0"}$$

$$\underline{3/16"=1'-0"}$$

$$\underline{3/16'' = 1'-0''}$$

A1.2

ALL CLEARANCES, HEIGHTS, GRAB BARS AND ACCESSIBLE ITEM TO MEET THE REQUIREMENTS OF THE ICC A117.1-2017 STANDARDS

3. HOT WATER AND DRAIN PIPES ACCESSIBLE UNDER PUBLIC LAVATORIES SHALL BE INSULATED OR OTHERWISE PROTECTED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4. CONTROLS FOR URINAL AND WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE CLEARANCE SIDE OF THE FIXTURE. THE FAUCET AND OPERATING MECHANISM CONTROLS SHALL BE OPERABLE WITH ONE HAND WITHOUT THE NEED FOR TWISTING OR TURNING OF THE CONTROL. THE MIN. SHALL BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.

5. THE FORCE REQUIRED TO ACTIVATE FLUSH CONTROL VALVES, FAUCETS, AND OTHER OPERATING MECHANISM CONTROLS SHALL BE NO GREATER THAN FIVE POUNDS.

6. WHERE TOILET, SANITARY DISPOSAL, WASTE RECEPTACLE, AND OTHER EQUIPMENT, DISINCHENS AND DRAINAGE FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERATING PARTS, INCLUDING COIN SLOTS, 40 INCHES OR LESS ABOVE THE FINISHED FLOOR.

7. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19 INCHES FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.

8. THE DIAMETER OR WIDTH OF GRIPPING SURFACES OF A GRAB BAR SHALL BE 1.25 TO 1.5 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1.5 INCHES MINIMUM.

9. THE DIAMETER OR WIDTH OF GRIPPING SURFACES OF A GRAB BAR SHALL BE 1.25 TO 1.5 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1.5 INCHES MINIMUM. THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 0.125 INCH.



A. HOT WATER AND DRAIN PIPES ACCESSIBLE UNDER PUBLIC LAVATORIES SHALL BE INSULATED OR OTHERWISE PROTECTED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

B. CONTROLS FOR URINAL AND WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE CLEARANCE SIDE OF THE FIXTURE. THE FAUCET AND OPERATING MECHANISM CONTROLS SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.

C. THE FORCE REQUIRED TO ACTIVATE FLUSH CONTROL VALVES, FAUCETS, AND OTHER OPERATING MECHANISM CONTROLS SHALL BE NO GREATER THAN 5 FOOT POUNDS.

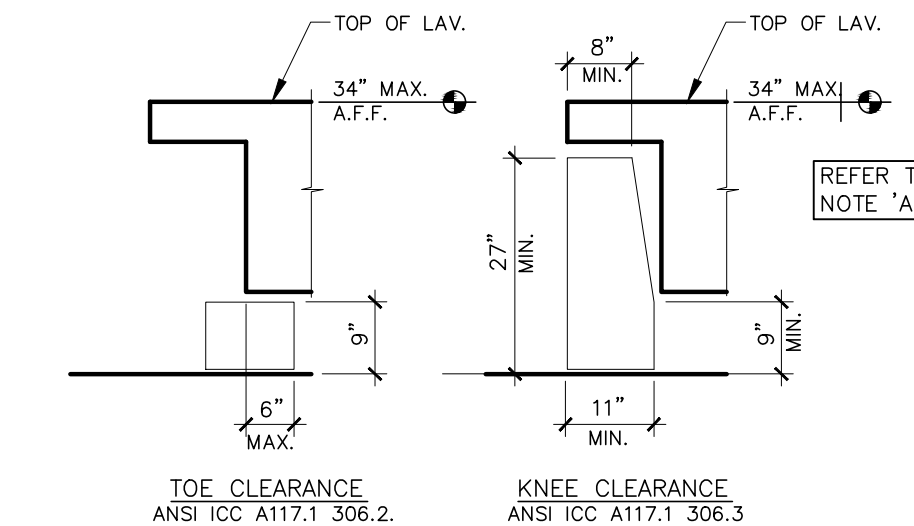
D. WHERE TOWEL, SANITARY NAPKIN, WASTE RECEPTACLE, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, 40 INCHES OR LESS ABOVE THE FINISHED FLOOR.

E. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19 INCHES FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.

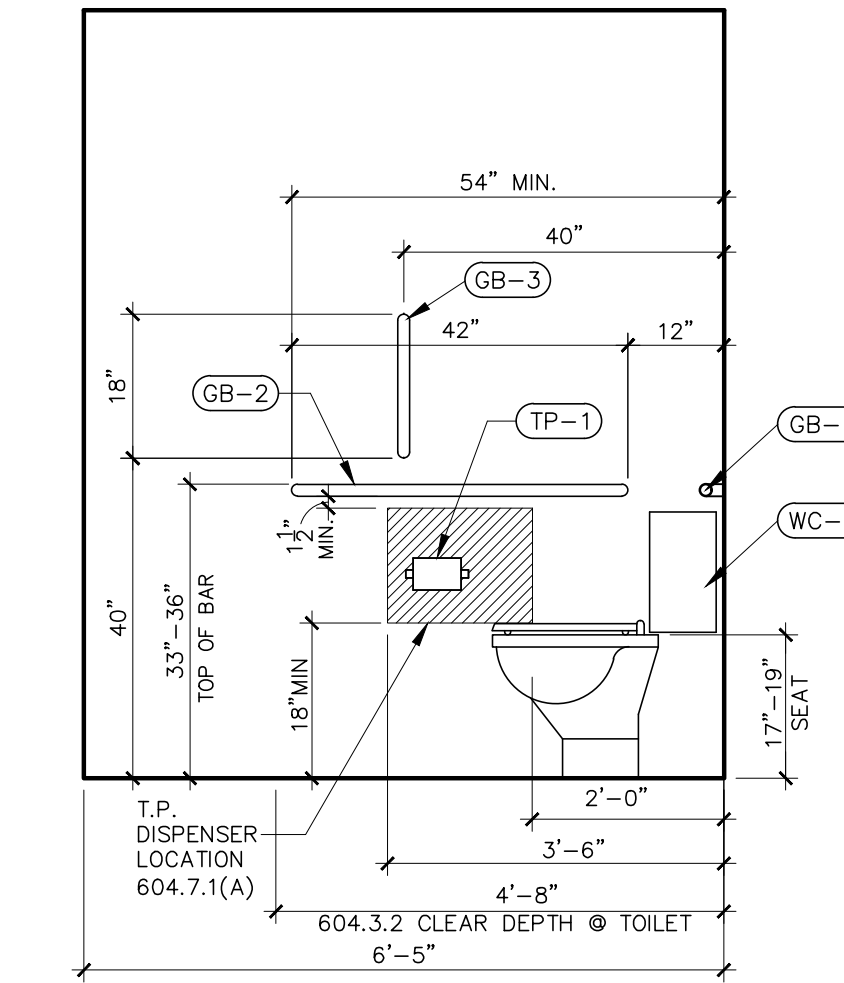
F. THE DIAMETER OR WIDTH OF GRIPPING SURFACES OF A GRAB BAR SHALL BE 1.25 TO 1.5 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1.5 INCHES MINIMUM.

G. THE DIAMETER OR WIDTH OF GRIPPING SURFACES OF A GRAB BAR SHALL BE 1.25 TO 1.5 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1.5 INCHES MINIMUM. THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 0.125 INCH.

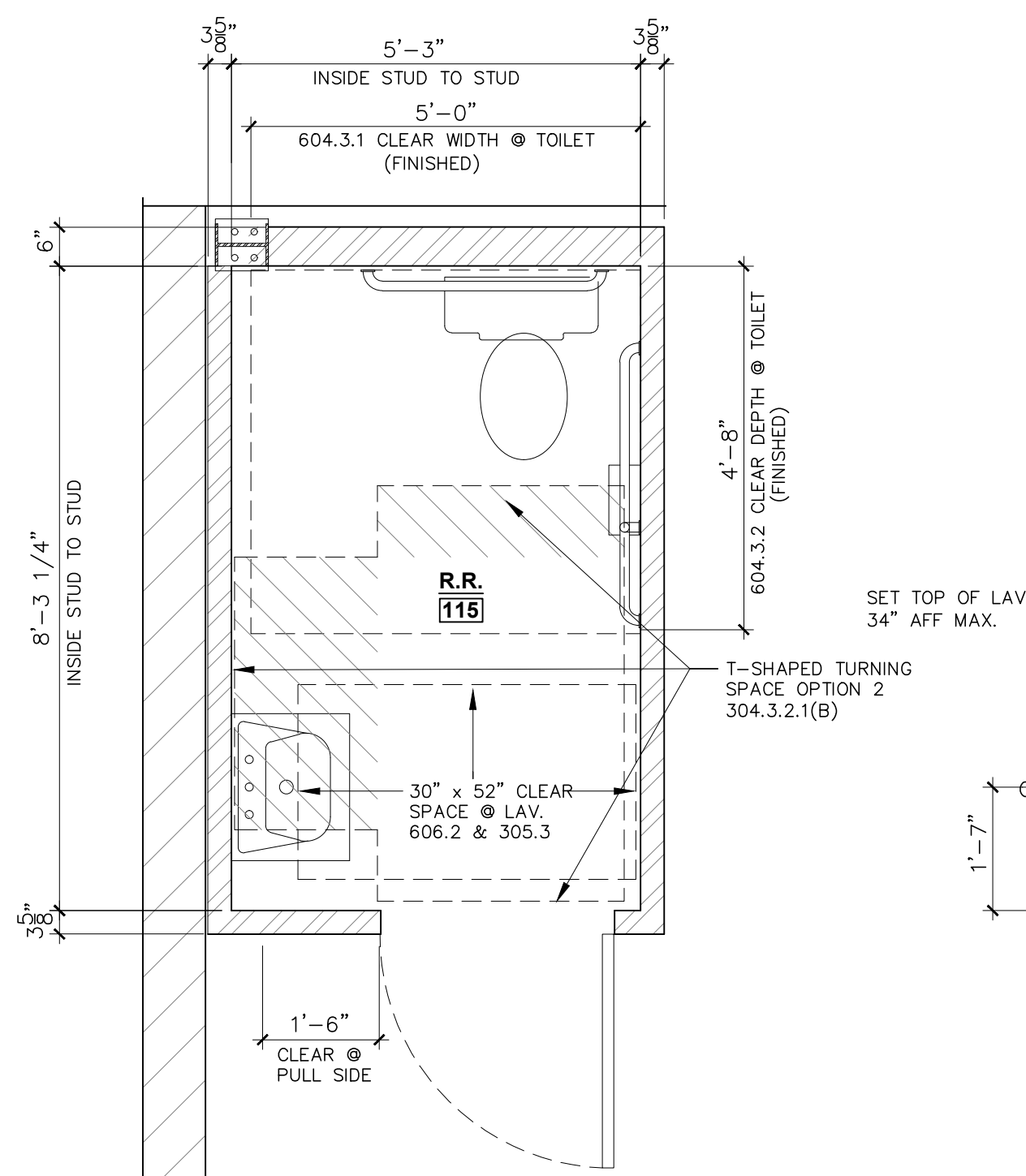
FIXTURE SCHEDULE		
MARK	FIXTURE	MOUNTING HEIGHTS
WATER CLOSETS & URINALS		
(WC-1)	TOILET (18" H)	SEAT 18 INCHES A.F.F. - ELONGATED BOWL
(URN-1)	URINAL - WALL MOUNT	MOUNT (1) @ 17" MAX. (1) @ 24" AFF
LAVATORIES		
(LAV-1)	SINK - WALL HUNG	34" MAX HEIGHT, INSULATED P-TRAP
ACCESSORIES		
(GB-1)	36" LONG GRAB BAR	34 INCHES A.F.F. TO CENTERLINE
(GB-2)	42" LONG GRAB BAR	34 INCHES A.F.F. TO CENTERLINE
(GB-3)	18" VERTICAL GRAB BAR	49 INCHES A.F.F. TO CENTERLINE
(TP-1)	TOILET PAPER DISPENSER	14-19 INCHES A.F.F.
(PT-1)	PAPER TOWEL DISPENSER	MOUNT @ 44 INCHES A.F.F. TO DISPENSER - FURNISHED BY OWNER
(SD-1)	SOAP DISPENSER	44 INCHES MAX
(MIR-1)	MIRROR	40" MIN. TO BOTTOM



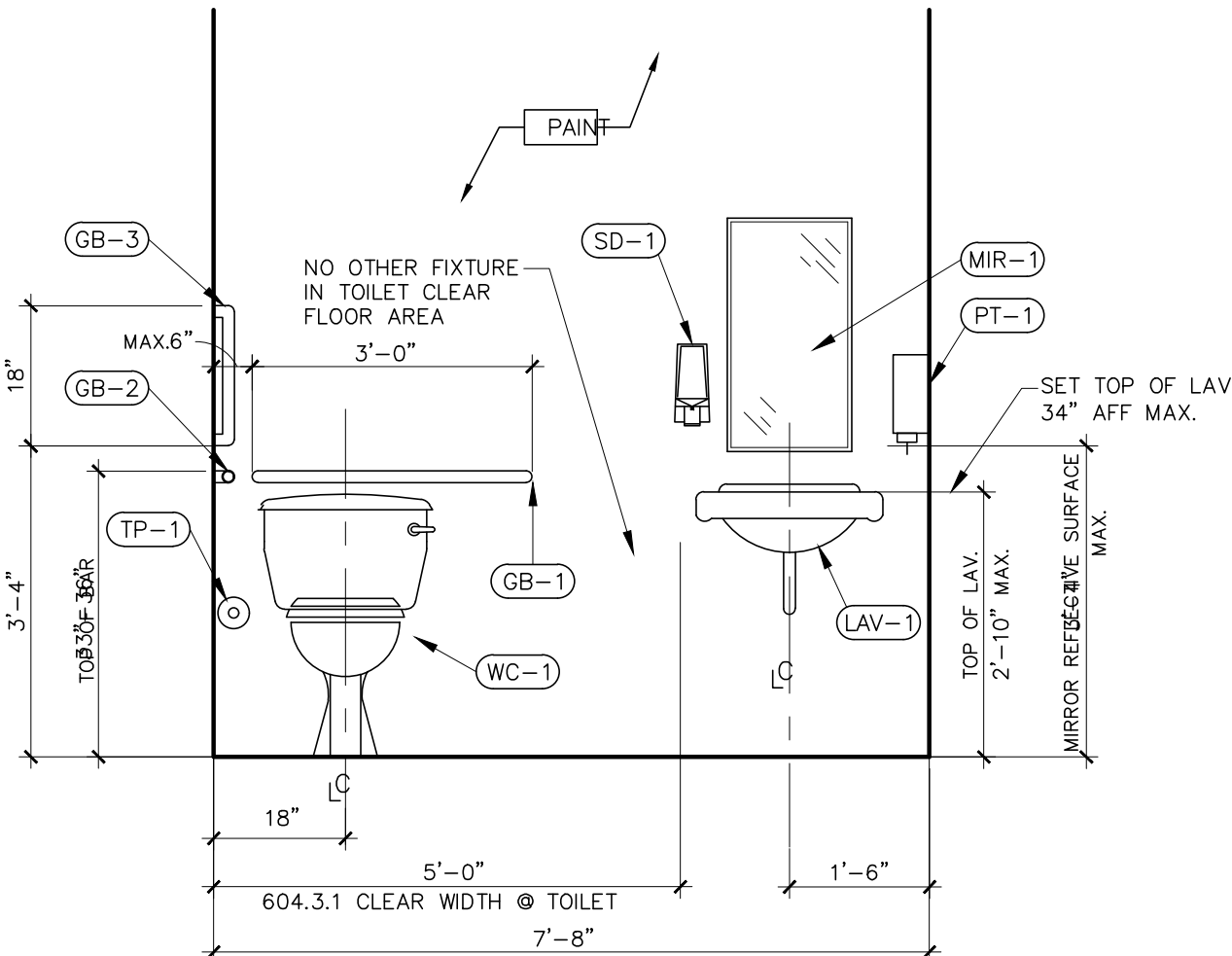
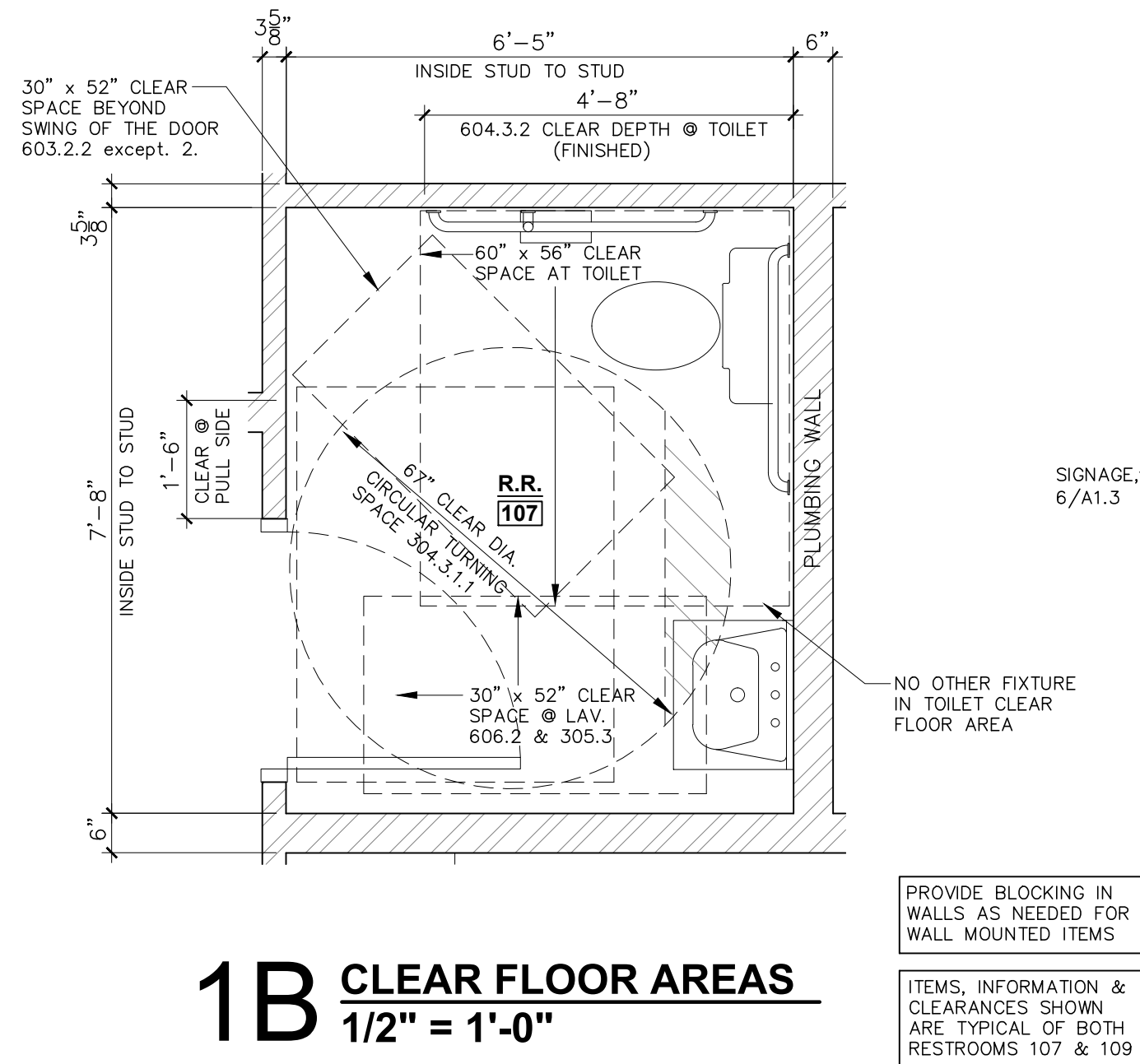
5 LAV. TOE & KNEE CLEARANCE
N.T.S.



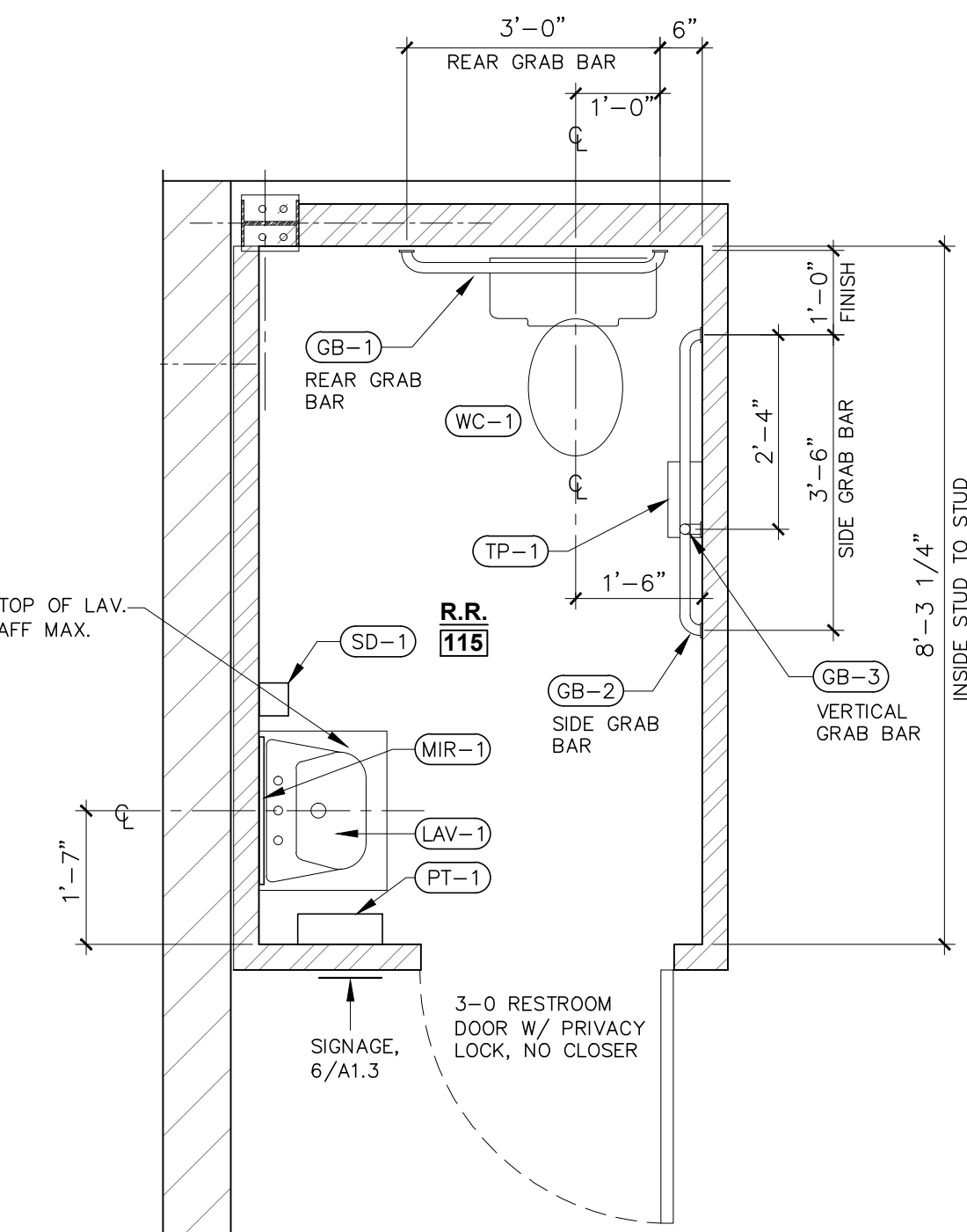
4 RESTROOM ELEVATION



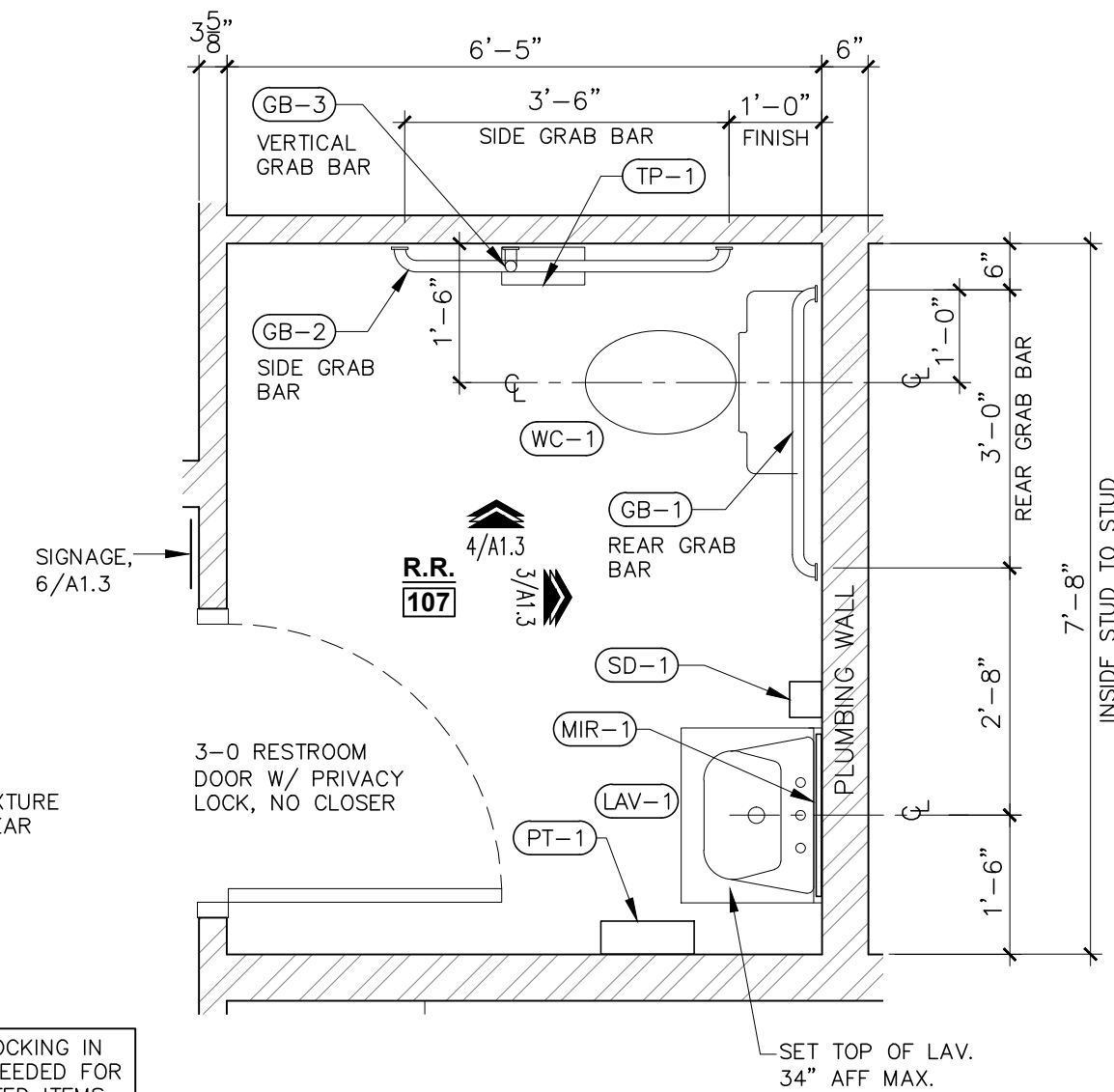
2B CLEAR FLOOR AREAS
1/2" = 1'-0"



3 RESTROOM ELEVATION



2A RESTROOM PLAN



1A RESTROOM PLAN

Easkay Architecture

- Commercial
- Industrial
- Residential

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I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision and that I am a duly registered Architect under the laws of the State of Wisconsin.

WISCONSIN NUMBER A-10047 Date: 07/29/2026

This document contains confidential information regarding the design project outlined above. Use of these drawings for any other location or project is strictly prohibited without the prior written consent of the architect. ©2026

GENERAL CONTRACTOR:

Borton
CONSTRUCTION
2 Copeland Ave., Ste 201
LaCrosse, WI 54603

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING

PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE	/	SET - TYPE
12/05/25		DESIGN SET

DRAWN BY:

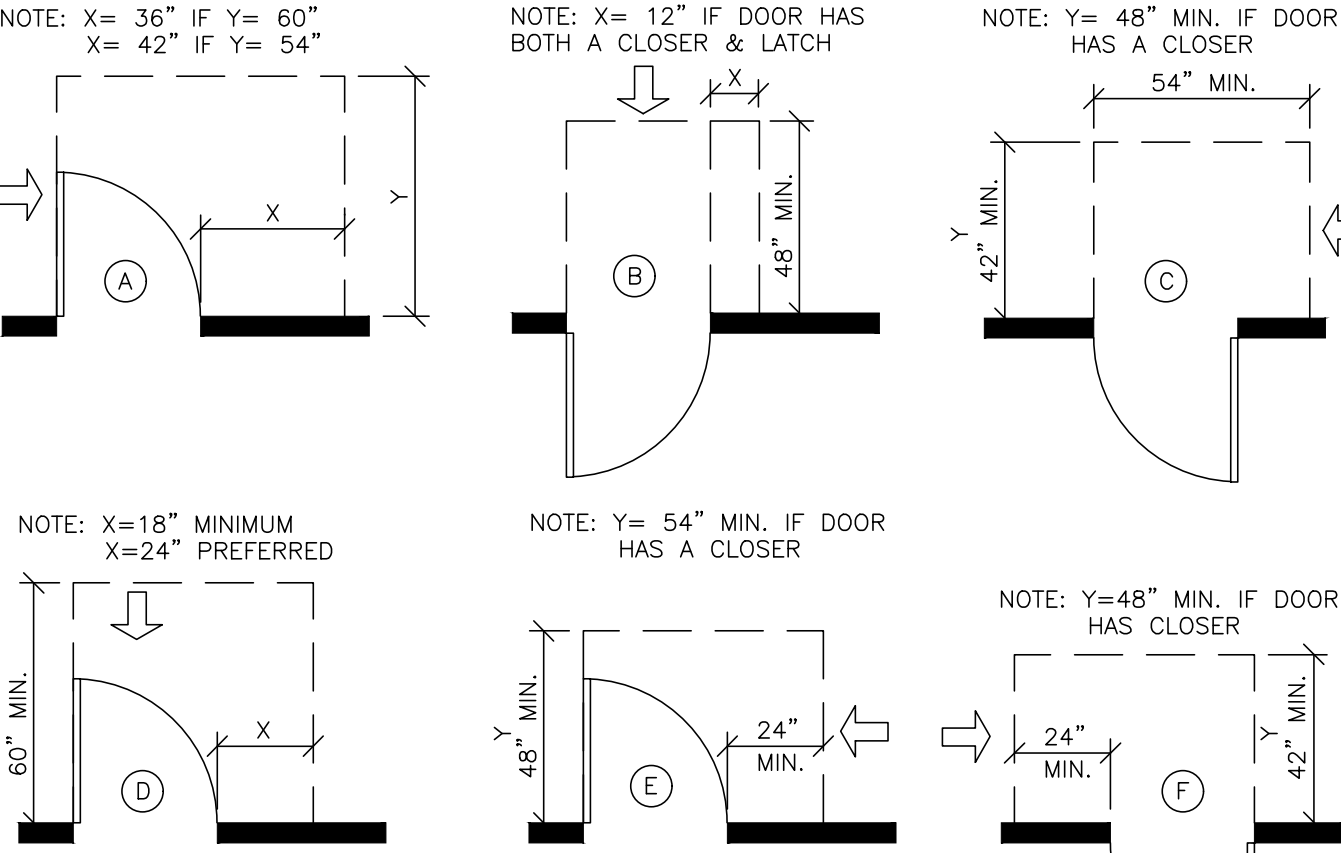
REVISIONS	
NO.	DATE

SHEET TITLE

RESTROOM PLANS,
DETAILS, &
CASEWORK

SHEET NO.

A1.3



4 DOOR CLEARANCES NTS

ROOM FINISH SCHEDULE							
ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH	CEILING FINISH	CLG HEIGHT	NOTES
100	VESTIBULE	SEALED CONC.	VINYL	GYP BD, PAINTED	ACT. CLG.	9'-0" A.F.F.	
101	LOBBY	SEALED CONC.	VINYL	GYP BD, PAINTED	ACT. CLG.	9'-0" A.F.F.	
102	SERVICE	SEALED CONC.	VINYL	GYP BD, PAINTED	ACT. CLG.	9'-0" A.F.F.	
103	WORK ROOM	SEALED CONC.	VINYL	GYP BD, PAINTED/ PRE-CAST CONC.	OPEN JOISTS	10'-0" A.F.F.	
104	PARTS ROOM	SEALED CONC.	VINYL	GYP BD / PRE-CAST CONC. / CMU	OPEN JOISTS	10'-0" A.F.F.	
105	HALL	SEALED CONC.	VINYL	GYP BD, PAINTED / CMU	ACT. CLG.	9'-0" A.F.F.	
106	OFFICE	SEALED CONC.	VINYL	GYP BD, PAINTED / CMU	ACT. CLG.	9'-0" A.F.F.	
107	RESTROOM	LVT	VINYL	GYP BD, PAINTED	ACT. CLG.	9'-0" A.F.F.	
108	UTILITY ROOM	SEALED CONC.	VINYL	GYP BD, PAINTED	ACT. CLG.	9'-0" A.F.F.	
109	RESTROOM	LVT	VINYL	GYP BD, PAINTED / CMU	ACT. CLG.	10'-0" A.F.F.	
110	BREAK ROOM	SEALED CONC.	VINYL	GYP BD, PAINTED / CMU	ACT. CLG.	9'-0" A.F.F.	
111	CLEAN ROOM	SEALED CONC.	N/A	PRE-CAST CONC. / CMU	OPEN JOISTS	10'-0" A.F.F.	
112	DYNO ROOM	SEALED CONC.	N/A	PRE-CAST CONC. / CMU	OPEN JOISTS	10'-0" A.F.F.	
113	REPAIR SHOP	SEALED CONC.	N/A	PRE-CAST CONC./CMU/LINER PANEL	INSUL. LINER	VARIES	
114	HEAVY DUTY BAY	SEALED CONC.	N/A	PRE-CAST CONC./CMU/LINER PANEL	INSUL. LINER	VARIES	
115	RESTROOM	SEALED CONC.	VINYL	GYP BD, PAINTED	ACT. CLG.	8'-0" A.F.F.	

- A. PREP ALL WALLS AND FLOORS TO RECEIVE FINISHES AS REQUIRED PER FINISH MATERIAL MANUFACTURERS SPECIFICATIONS.
B. ALL GYPSUM BOARD AT "WET WALL" LOCATIONS TO BE M.R. GYPSUM "PURPLE" BOARD.
C. ALL FINAL SELECTIONS OF COLORS/MATERIALS/FINISHES TO BE APPROVED BY OWNER.

FINISH SCHEDULE NOTES				WINDOW SCHEDULE			
MARK	QNTY.	UNIT WIDTH	UNIT HEIGHT	UNIT WIDTH	M.O. HEIGHT	U-VALUE	MANUF.
(A)	1	3'-7"	8'-7"	3'-8"	8'-8"	0.29	T.B.D.
(B)	3	3'-11"	14'-11"	4'-0"	15'-0"	0.29	T.B.D.
(C)	3	2'-7"	5'-3"	2'-8"	5'-4"	0.29	T.B.D.
(D)	3	3'-11"	5'-3"	4'-0"	5'-4"		T.B.D.
(E)	2						
1. VERIFY R.O. WITH WINDOW MANUFACTURER SELECTED							

DOOR AND HARDWARE SCHEDULE									
DOOR #	DOOR SWING	LOCATION	SIZE	MATERIAL	DOOR TYPE	FRAME TYPE	HARDWARE GROUP	RATING / LABEL	REMARKS
100A	R.H.R.	VESTIBULE	3'-0" x 7'-0"	ALUM STOREFRONT	D1	F1	1		ALUM ENTRY DOOR WITH SIDELITE - CARD READER COORD. W/OWNER
100B	R.H.R.	VESTIBULE	3'-0" x 7'-0"	ALUM STOREFRONT	D1	F1	1		ALUM ENTRY DOOR WITH SIDELITE - CARD READER COORD. W/OWNER
101	L.H.R.	LOBBY	3'-0" x 7'-0"	S.C. WOOD	D2	F3	5		
102	R.H.R.	SERVICE	3'-0" x 7'-0"	S.C. WOOD	D4	F3	5		
104	R.H.	PARTS ROOM	3'-0" x 7'-0"	HOLLOW METAL	D5	F4	5		
105	R.H.	HALL	3'-0" x 7'-0"	HOLLOW METAL	D5	F4	5		
106A	R.H.	OFFICE	3'-0" x 7'-0"	HOLLOW METAL	D5	F3	3		
106B	R.H.R.	OFFICE	3'-0" x 7'-0"	HOLLOW METAL	D5	F4	3		
107	R.H.	RESTROOM	3'-0" x 7'-0"	S.C. WOOD	D2	F3	4		
108	L.H.	UTILITY ROOM	3'-0" x 7'-0"	HOLLOW METAL	D3	F3	5		
109	R.H.	RESTROOM	3'-0" x 7'-0"	HOLLOW METAL	D3	F4	4		
110	L.H.	BREAK ROOM	3'-0" x 7'-0"	HOLLOW METAL	D5	F4	5		
111A	L.H.	CLEAN ROOM	3'-0" x 7'-0"	HOLLOW METAL	D5	F4	3		
111B	O.H.	CLEAN ROOM	8'-0" x 9'-0"	STEEL - OVERHEAD			N/A	3 HR	INTERIOR RATED COILING FIRE DOOR
112A	L.H.R.	DYNO ROOM	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		SERVICE DOOR - EXTERIOR
112B	R.H.	DYNO ROOM	3'-0" x 7'-0"	HOLLOW METAL	D8	F4	3		
112C	O.H.	DYNO ROOM	12'-0" x 10'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT) W/ OPERATOR
113A	R.H.R.	REPAIR SHOP	3'-0" x 7'-0"	INSUL. H.M.	D1	F2	2		EXTERIOR SERVICE DOOR - INSULATED
113B	L.H.R.	REPAIR SHOP	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		EXTERIOR SERVICE DOOR - INSULATED
113C	R.H.R.	REPAIR SHOP	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		EXTERIOR SERVICE DOOR - INSULATED
113D	R.H.R.	REPAIR SHOP	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		EXTERIOR SERVICE DOOR - INSULATED
113E	R.H.R.	REPAIR SHOP	3'-0" x 7'-0"	HOLLOW METAL	D6	F4	6	3 HR	INTERIOR RATED FIRE DOOR
113F	O.H.	REPAIR SHOP	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT) W/ OPERATOR
113G	O.H.	REPAIR SHOP	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT) W/ OPERATOR
113H	O.H.	REPAIR SHOP	12'-0" x 14'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT) W/ OPERATOR
113J	O.H.	REPAIR SHOP	12'-0" x 14'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT) W/ OPERATOR
114A	R.H.R.	HEAVY DUTY BAY	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		EXTERIOR SERVICE DOOR - INSULATED
114B	L.H.R.	HEAVY DUTY BAY	3'-0" x 7'-0"	INSUL. H.M.	D7	F5	2		EXTERIOR SERVICE DOOR - INSULATED
114C	O.H.	HEAVY DUTY BAY	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT)
114D	O.H.	HEAVY DUTY BAY	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT)
114E	O.H.	HEAVY DUTY BAY	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT)
114F	O.H.	HEAVY DUTY BAY	14'-0" x 16'-0"	STEEL - OVERHEAD			N/A		INSULATED OVERHEAD DOOR (HIGH-LIFT)
114G	O.H.	HEAVY DUTY BAY	12'-0" x 13'-0"	STEEL - OVERHEAD			N/A	3 HR	INTERIOR RATED COILING FIRE DOOR
115	R.H.R.	RESTROOM	3'-0" x 7'-0"	HOLLOW METAL	D3	F3	4		

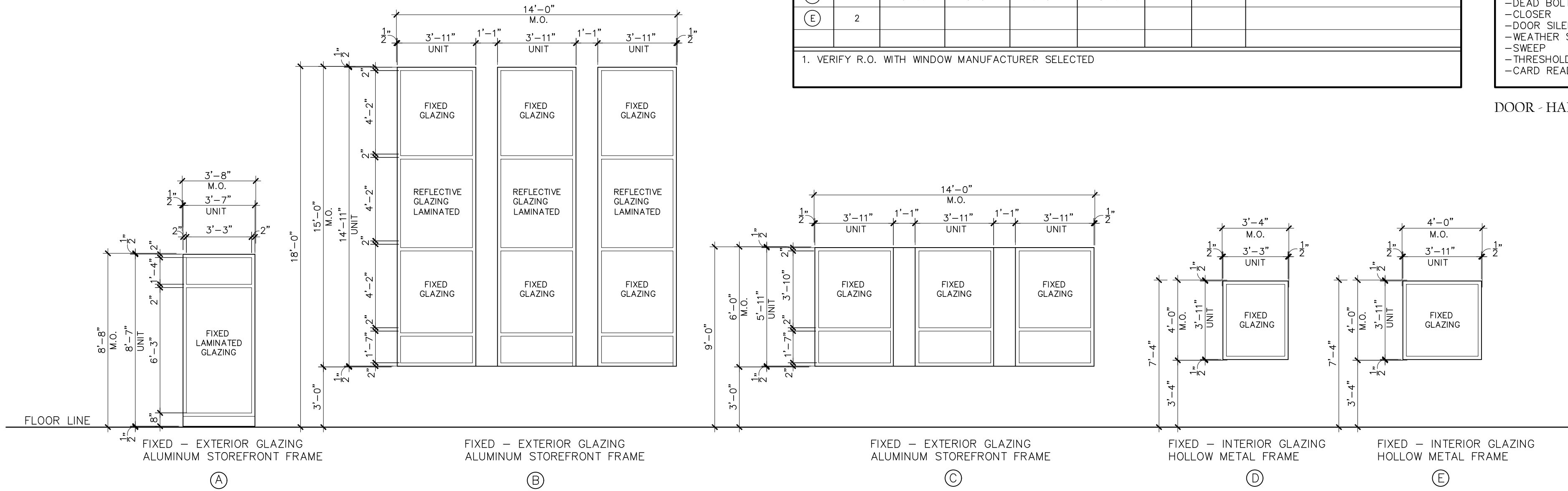
HARDWARE GROUPS (SHOWN FOR EACH DOOR LEAF AT DBL DOORS)

1. ENTRY/EXIT	2. ENTRY	3. OFFICE	4. PRIVACY	5. PASSAGE	6. PASSAGE
-1 1/2 PAIR HINGES -PUSH/PULL -DEAD BOLT -CLOSER -DOOR SILENCERS -WEATHER STRIPPING -SWEEP -THRESHOLD -CARD READER	-1 1/2 PAIR HINGES -LEVER HANDLE -ENTRY LOCKSET (ANSI F95) -CLOSER -DOOR SILENCERS -WEATHER STRIPPING -SWEEP -THRESHOLD	-1 1/2 PAIR HINGES -LEVER HANDLE -OFFICE LOCKSET (ANSI F82) -DOOR SILENCERS -DOOR STOP (WALL)	-1 1/2 PAIR HINGES -LEVER HANDLE -PRIVACY LOCKSET (ANSI B2) -DOOR SILENCERS -DOOR STOP (WALL)	-1 1/2 PAIR HINGES -LEVER HANDLE -PASSAGE LOCKSET (ANSI F75) -DOOR SILENCERS -DOOR STOP (WALL)	-1 1/2 PAIR HINGES -LEVER HANDLE -PASSAGE LOCKSET (ANSI F75) -DOOR SILENCERS -CLOSER ◎ 3HR RATED DOOR

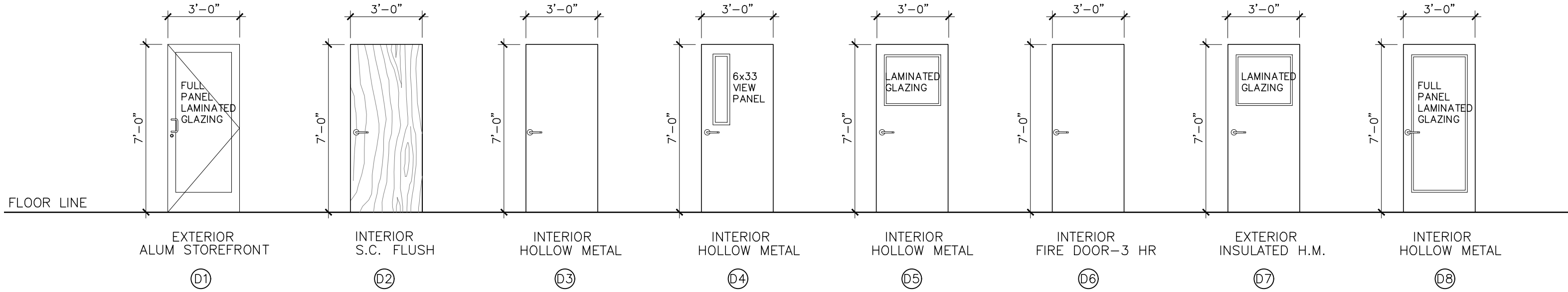
DOOR - HARDWARE NOTES

- ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- THRESHOLDS SHALL NOT EXCEED 1/2" HGT. AND SHALL HAVE BEVELED SIDES THAT SLOPE 1:2 MAXIMUM.
- PROVIDE KEVED LEVER HANDLES, VERIFY KEYING REQUIREMENTS WITH OWNER.
- VERIFY FRAME WIDTH WITH WALL TYPE
- PROVIDE COMMERCIAL GRADE HEAVY DUTY HARDWARE.
- PROVIDE ALL REQUIRED WEATHER STRIPPING & SEALS ◎ EXTERIOR DOORS.
- ALL HARDWARE, STYLE, COLOR AND FINISHES TO BE SELECTED/APPROVED BY OWNER.

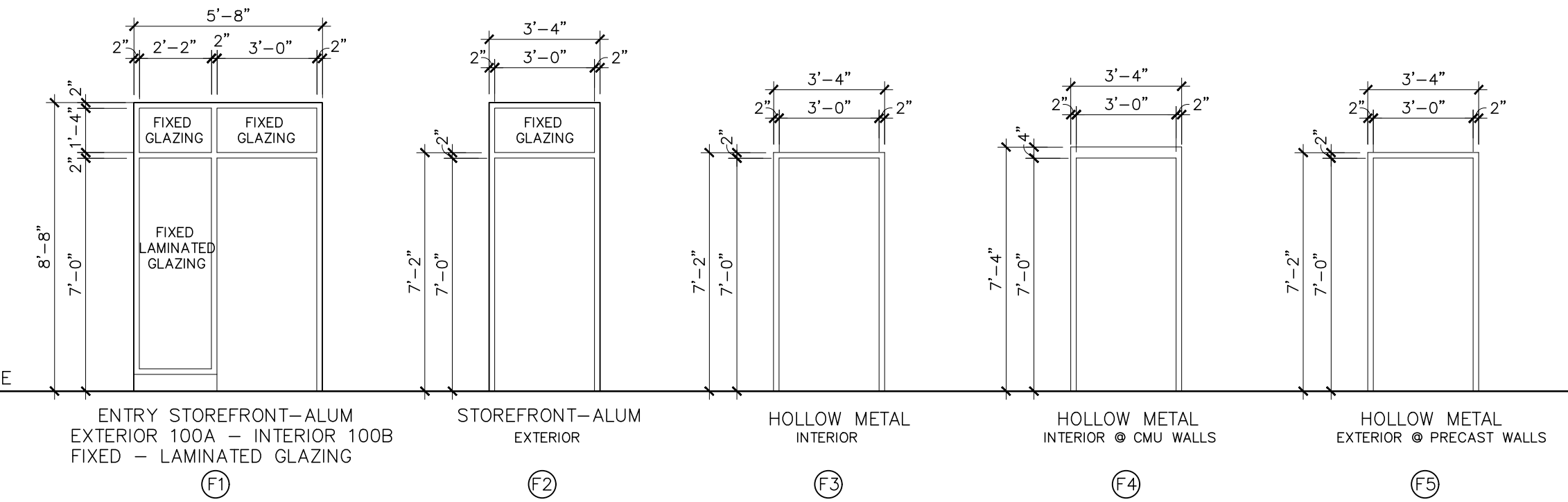
NOTE: ALL GLAZING WITHIN DOORS SHALL BE TEMPERED OR LAMINATED. REFER TO DOOR SCHEDULE FOR ADDITIONAL GLAZING REQUIREMENTS.



3 WINDOW ELEVATIONS 1/4" = 1'-0"



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



2 FRAME ELEVATIONS 1/4" = 1'-0"

Commercial
- Residential
- Industrial
- Architecture
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Email: askayarchitect@gmail.com

GENERAL CONTRACTOR:
Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET - TYPE
12/05/25 DESIGN SET

DRAWN BY:

REVISIONS

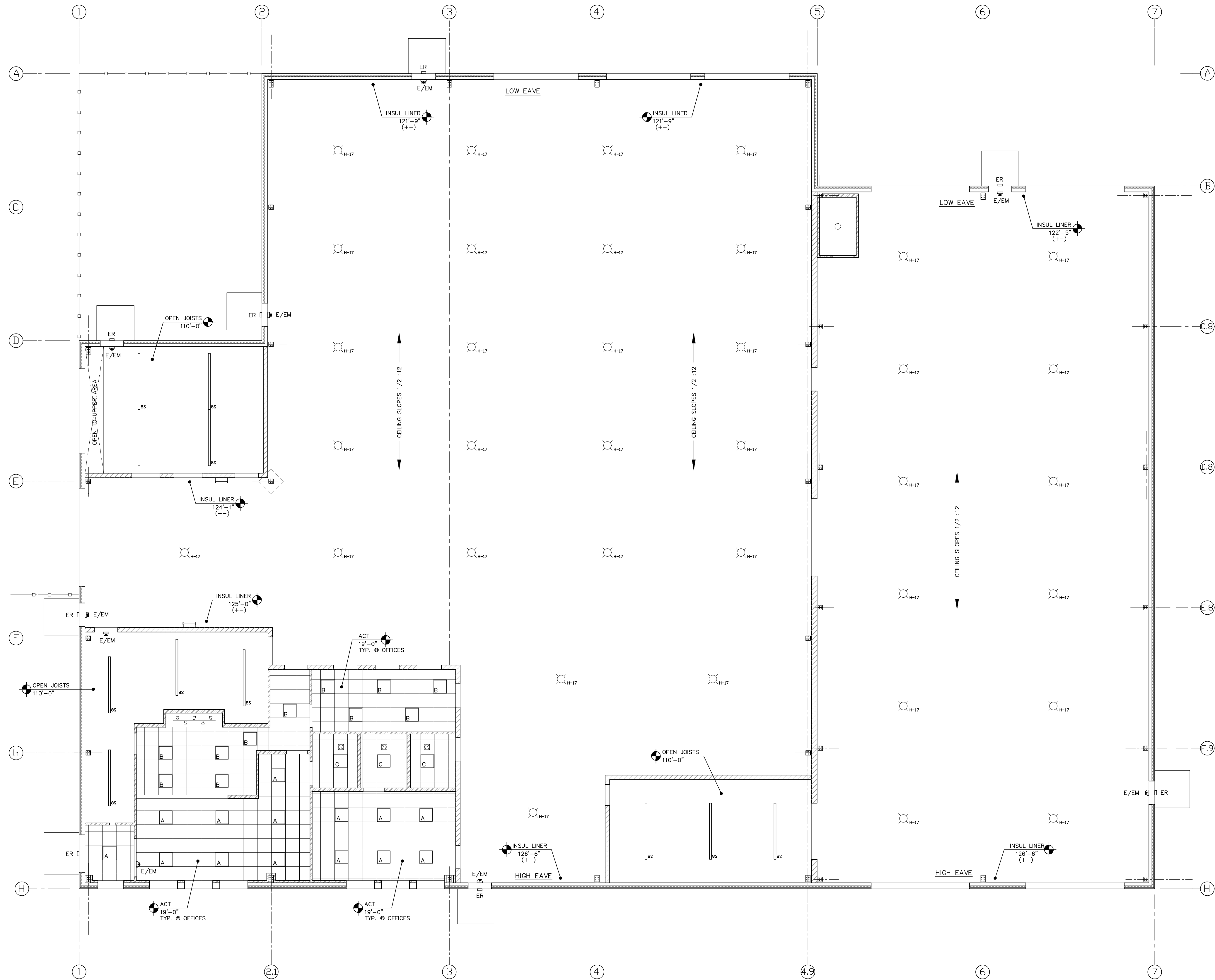
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SHEET TITLE

DOOR - WINDOW
& ROOM FINISH
SCHEDULE

SHEET NO.

A1.4

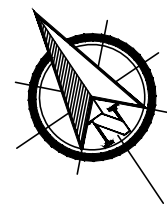


REFLECTED CEILING PLAN NOTES:

1. GENERIC LIGHTING LAYOUT SHOWN. ELECTRICAL DESIGNER CONTRACTOR TO COORDINATE FIXTURE TYPE AND LAYOUT TO MEET ALL REQUIRED CODES AND BE APPROVED BY OWNER.
2. MECHANICAL/ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR ALL COORDINATION AND ARRANGEMENTS REGARDING INSTALLATION OF GRILLES, DIFFUSERS, LIGHT FIXTURES ETC. INTO THE CEILING.
3. PROVIDE POSITIVE ATTACHMENT TO STRUCTURE FOR ALL CEILING SUPPORTED FIXTURES.
4. SMOKE DETECTORS, FIRE ALARM, EMERGENCY EXIT LIGHTING, EXIT LIGHTS AND ANY OTHER SERVICES REQUIRED BY THE LOCAL BUILDING CODE OR ANY OTHER APPLICABLE CODES AND BYLAWS SET FORTH BY LOCAL AUTHORITIES MUST BE INSTALLED.
5. PAINT GRILLES AND DIFFUSERS TO MATCH ADJACENT FINISHES.

EMERGENCY EXIT LIGHTING – PROVIDE AVERAGE MIN. OF 1 FOOT CANDLE ALONG PATH OF EGRESS TRAVEL. EMERGENCY AND EXIT LIGHTING MAY BE INTEGRATED WITH GENERAL LIGHTING OR STAND ALONE EMERGENCY LIGHT FIXTURES. COORDINATE WITH ELECTRICAL DESIGNER/CONTRACTOR

ELECTRICAL LIGHTING IS DESIGN/BUILD, REFER TO ELECTRICAL DRAWING FOR COMPLETE LIGHTING INFORMATION AND COORDINATION OF CEILING LAYOUT.



1 REFLECTED CEILING PLAN
1/8"=1'-0"

GENERAL CONTRACTOR:

Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

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15,980 S.F. BUILDING**
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LACROSSE, WI 54601**

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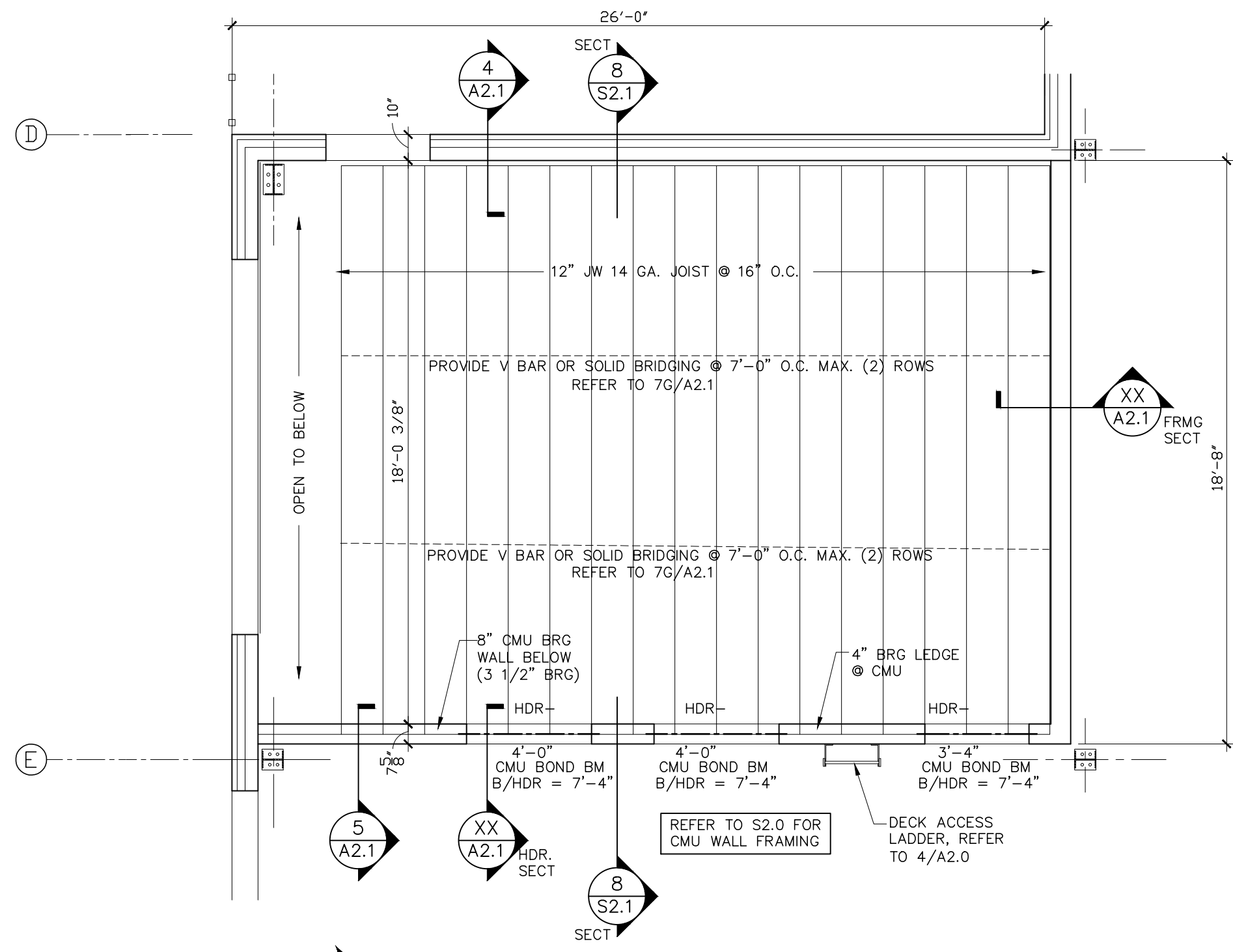
DRAWN BY:

REVISIONS	
NO.	DATE

SHEET TITLE
REFLECTED
CEILING PLAN

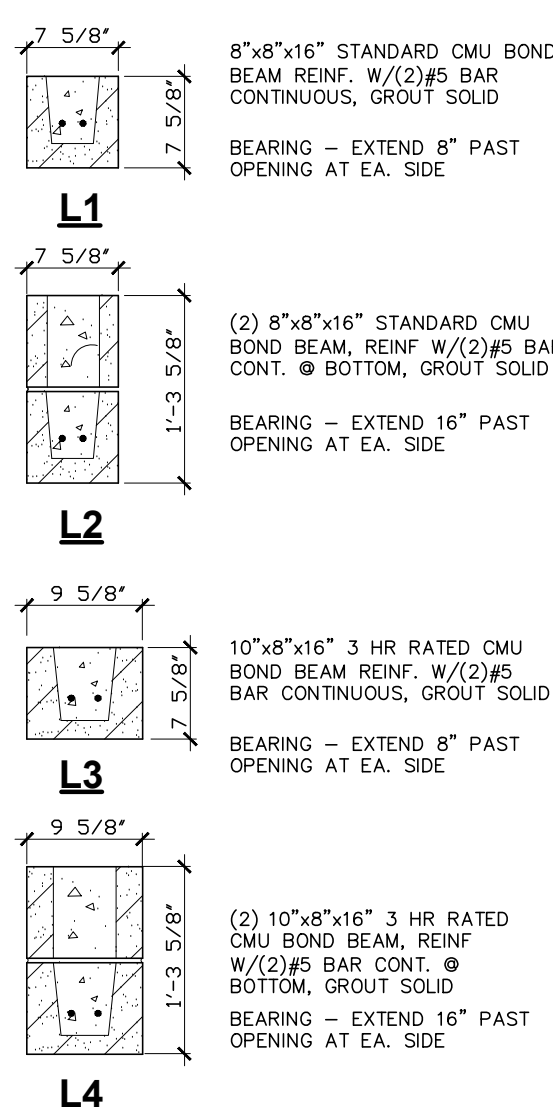
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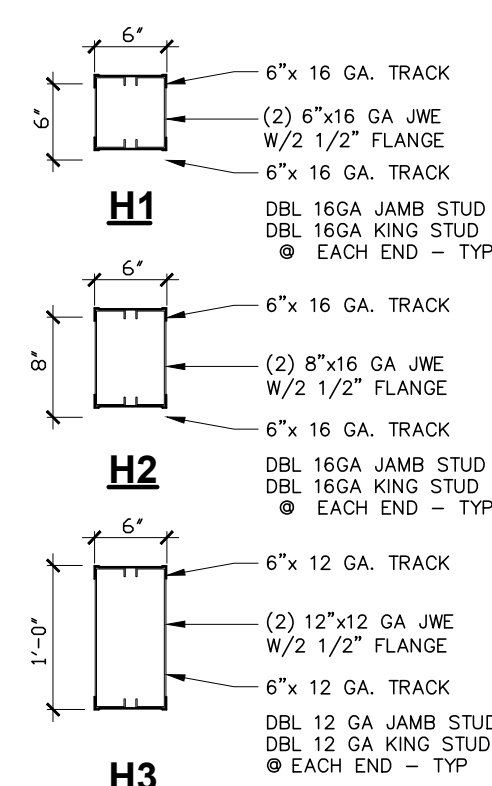


MASONRY HEADERS

CMU TYPE:
 - 10" CMU W/3 HOUR RATING
 - STANDARD 6" CMU
 - STANDARD 4" CMU
 REFER TO PLAN FOR LOCATIONS

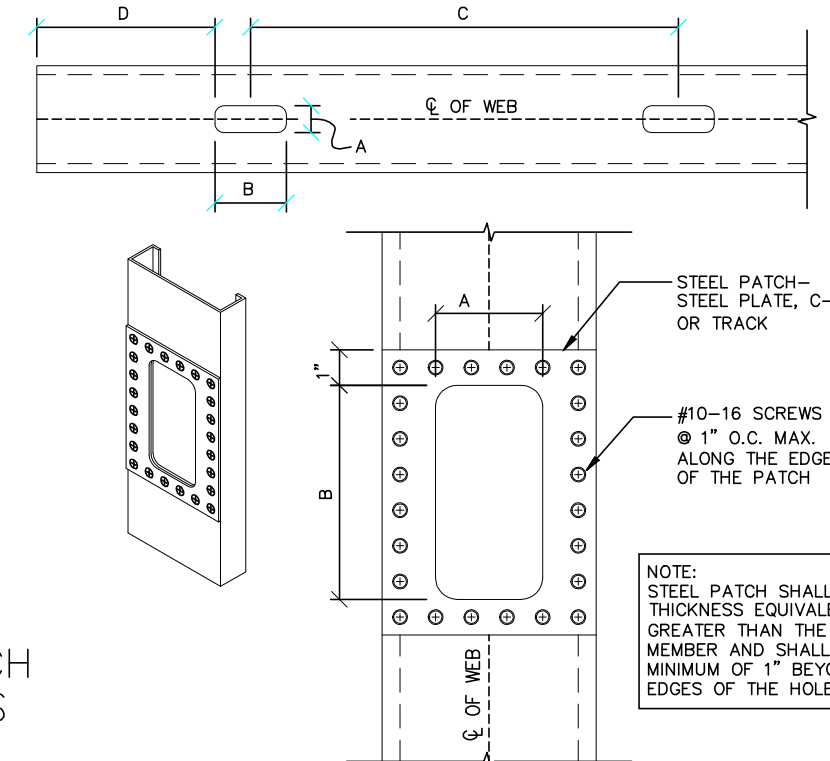


CFS HEADERS



MAXIMUM HOLE SIZE W/O REINFORCING				
WALL FRAMING				
STUD SIZE	MAX. HOLE DEPTH (A)	MAX. HOLE LENGTH (B)	MIN. HOLE SPACING (C)	MIN. HOLE EDGE DIST. (D)
3 5/8" STUD	1 1/2"	4"	7"	10"
6" STUD	1 1/2"	4"	11"	10"
8" STUD	1 1/2"	4"	16"	10"
10" STUD	1 1/2"	4"	20"	10"
12" STUD	1 1/2"	4"	24"	10"

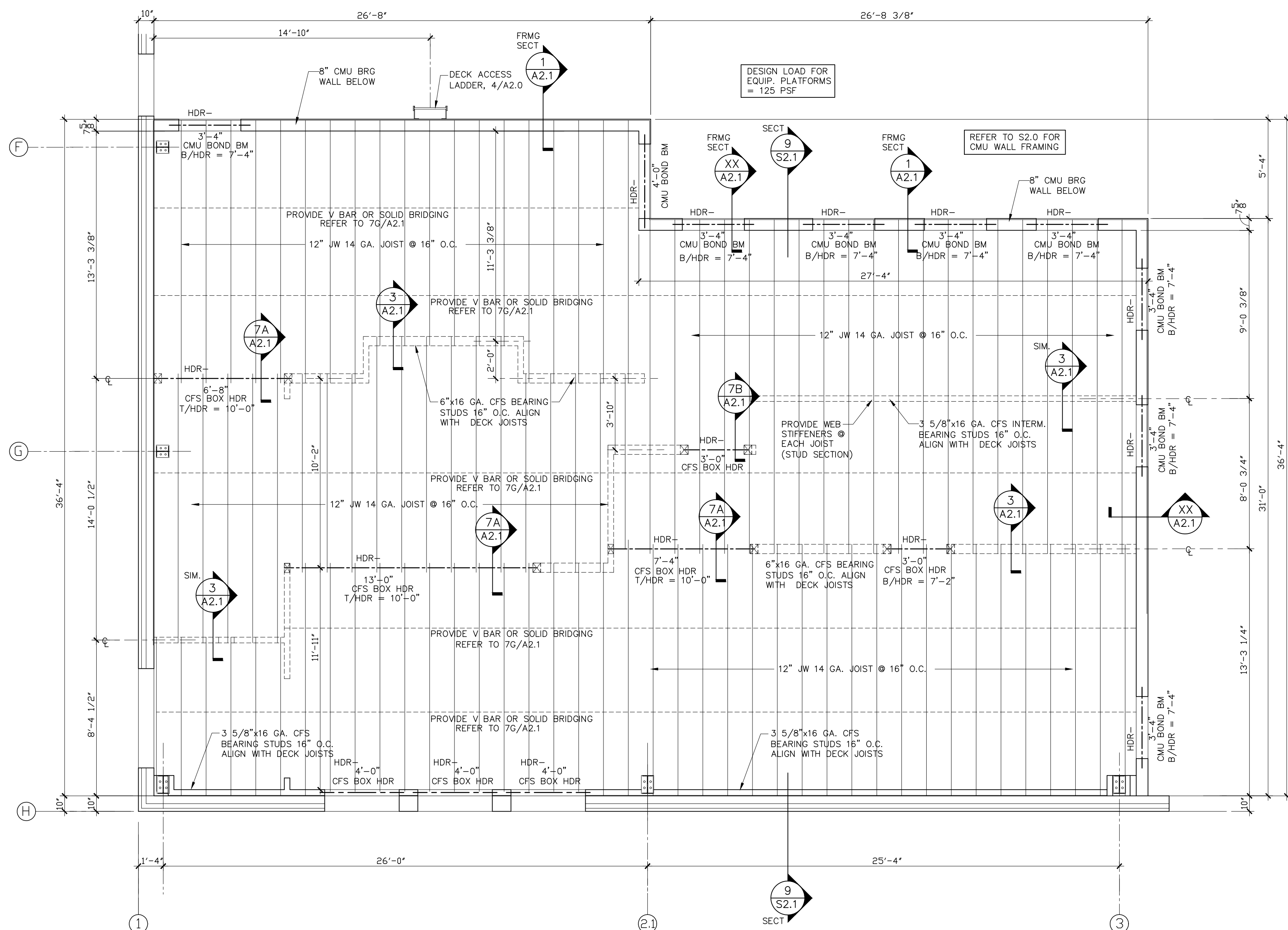
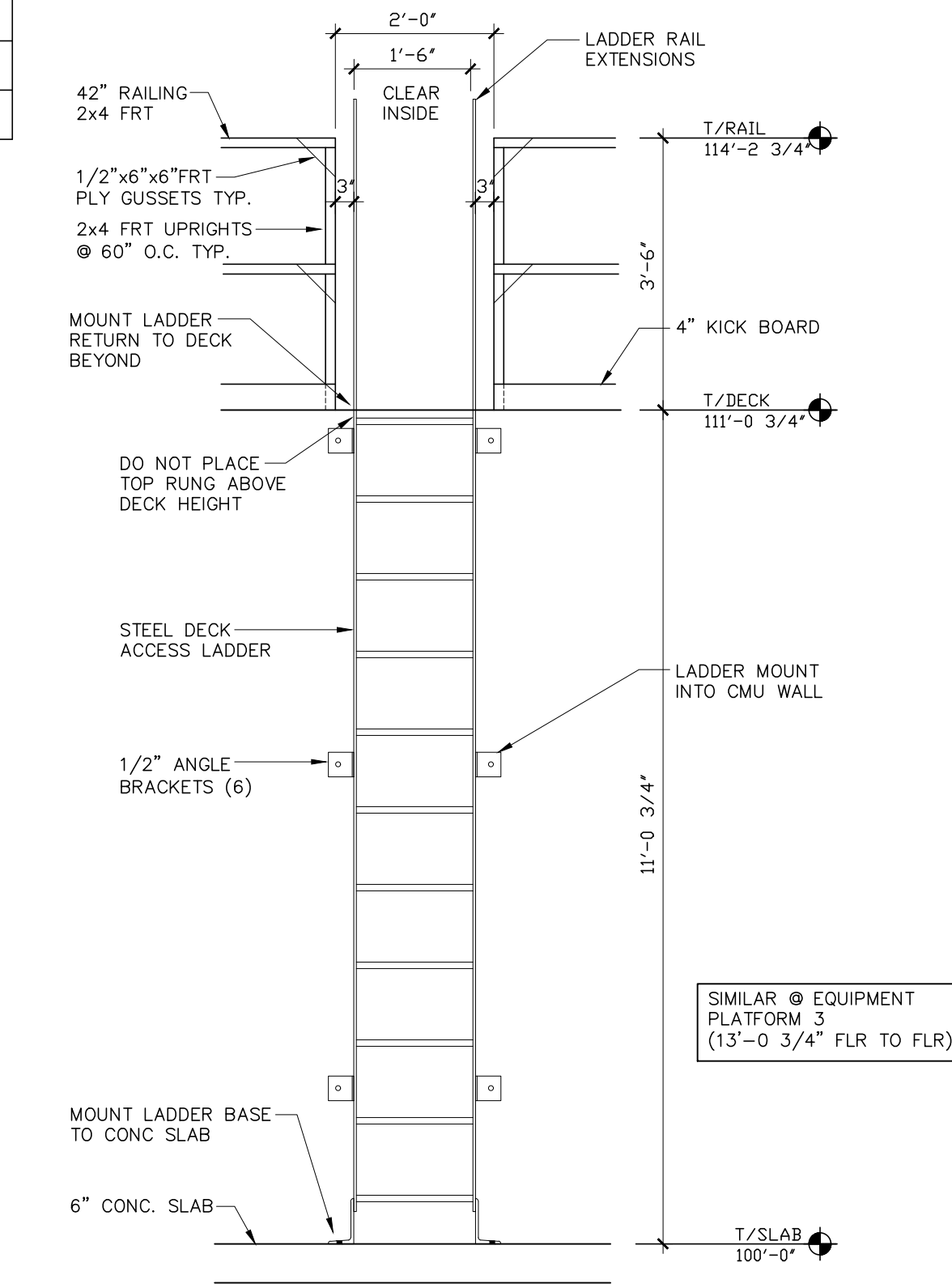
MAXIMUM HOLE SIZE W/ REINFORCING				
STUD SIZE	MAX. HOLE DEPTH (A)	MAX. HOLE LENGTH (B)	MIN. HOLE SPACING (C)	MIN. HOLE EDGE DIST. (D)
3 5/8" STUD	1 3/4"	6"	16"	10"
6" STUD	3"	6"	16"	10"
8" STUD	4"	8"	24"	10"
10" STUD	5"	10"	24"	10"
12" STUD	6"	12"	24"	10"



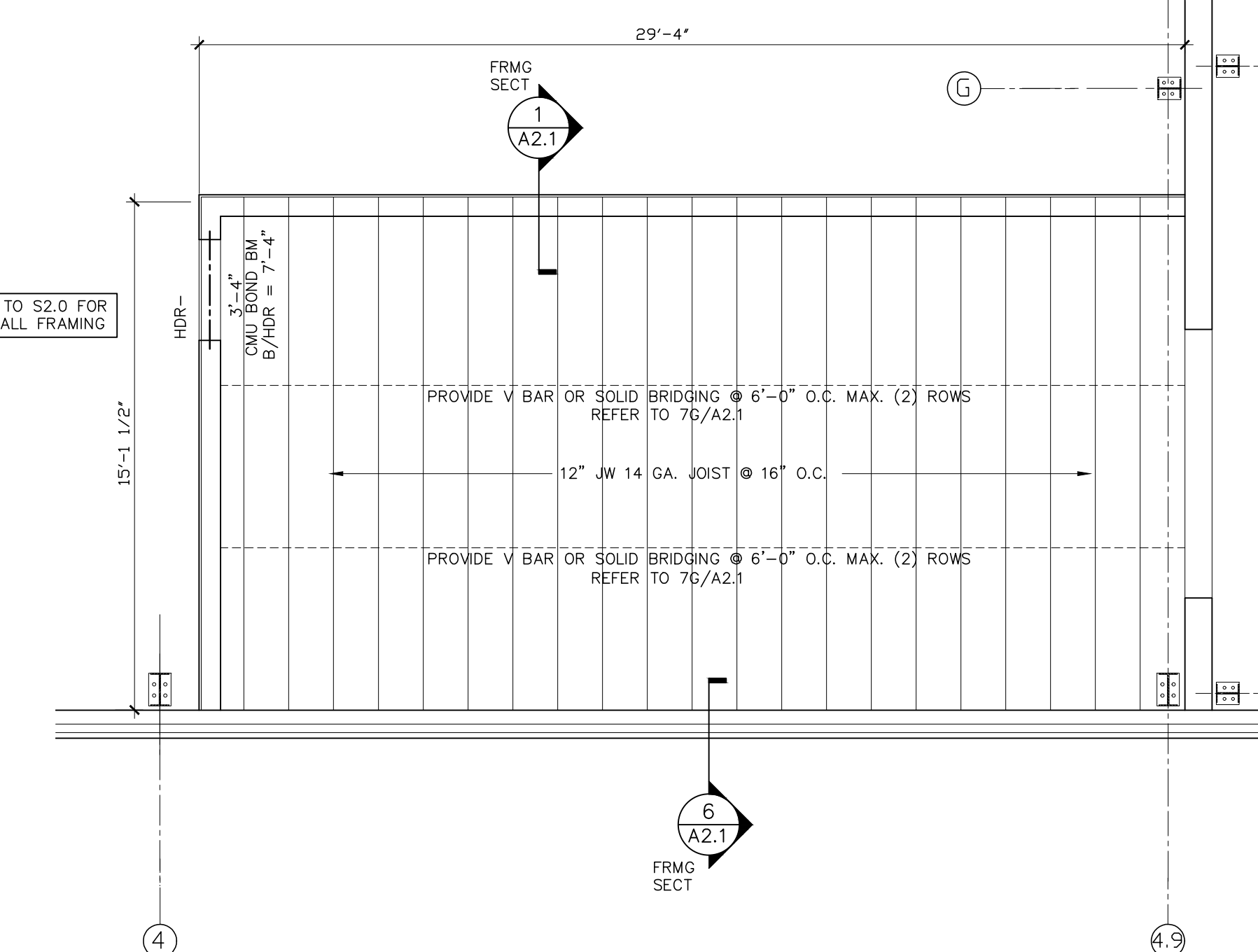
DO NOT NOTCH STEEL STUDS

CFS STUD HOLE PENETRATION REQUIREMENTS

4 DECK ACCESS LADDER 1/2"=1'-0"



1 EQUIPMENT PLATFORM FRAMING PLAN 1/4"=1'-0"



2 EQUIPMENT PLATFORM FRAMING PLAN 1/4"=1'-0"

Commercial - Industrial
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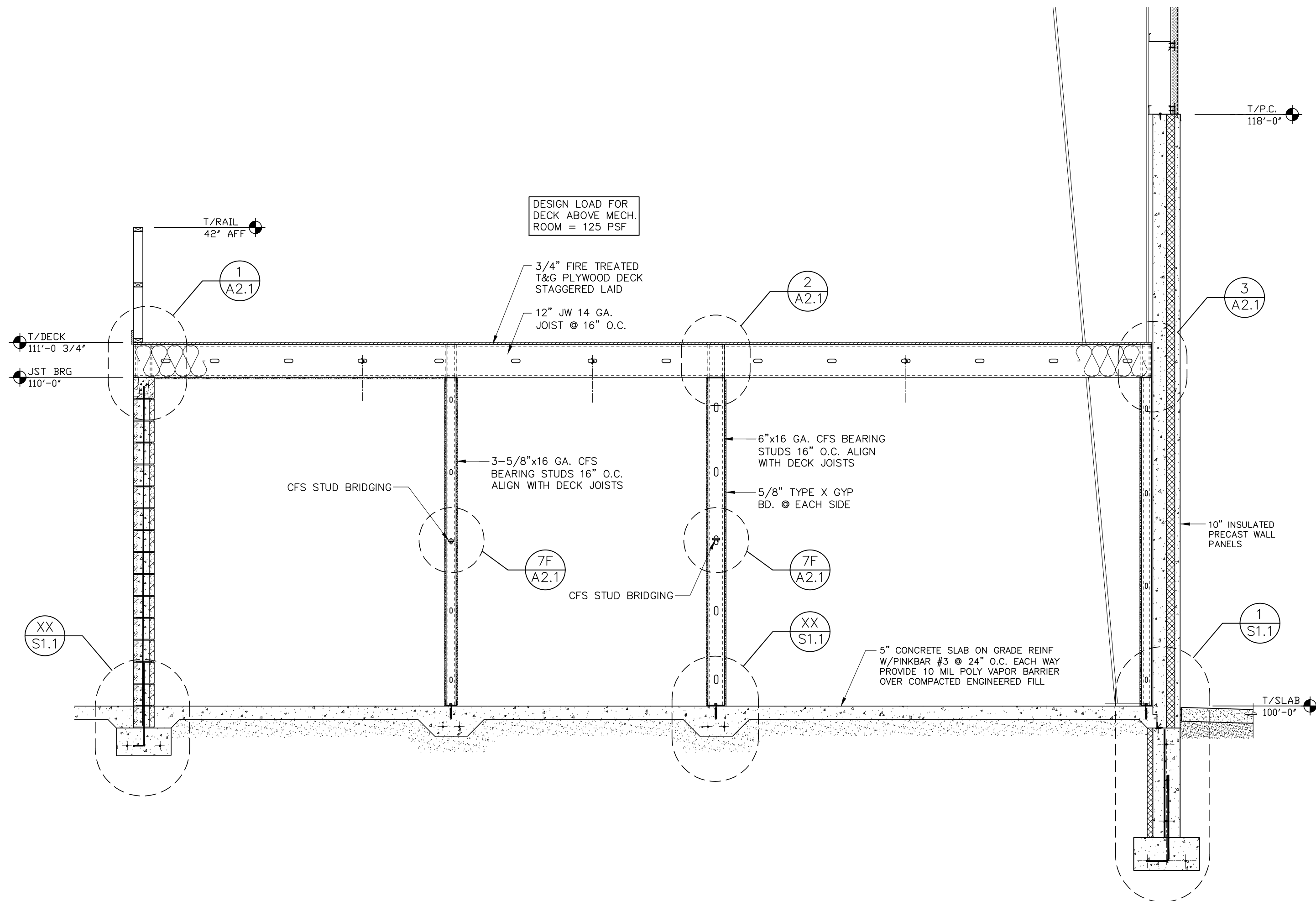
DRAWN BY:

REVISIONS	NO.	DATE

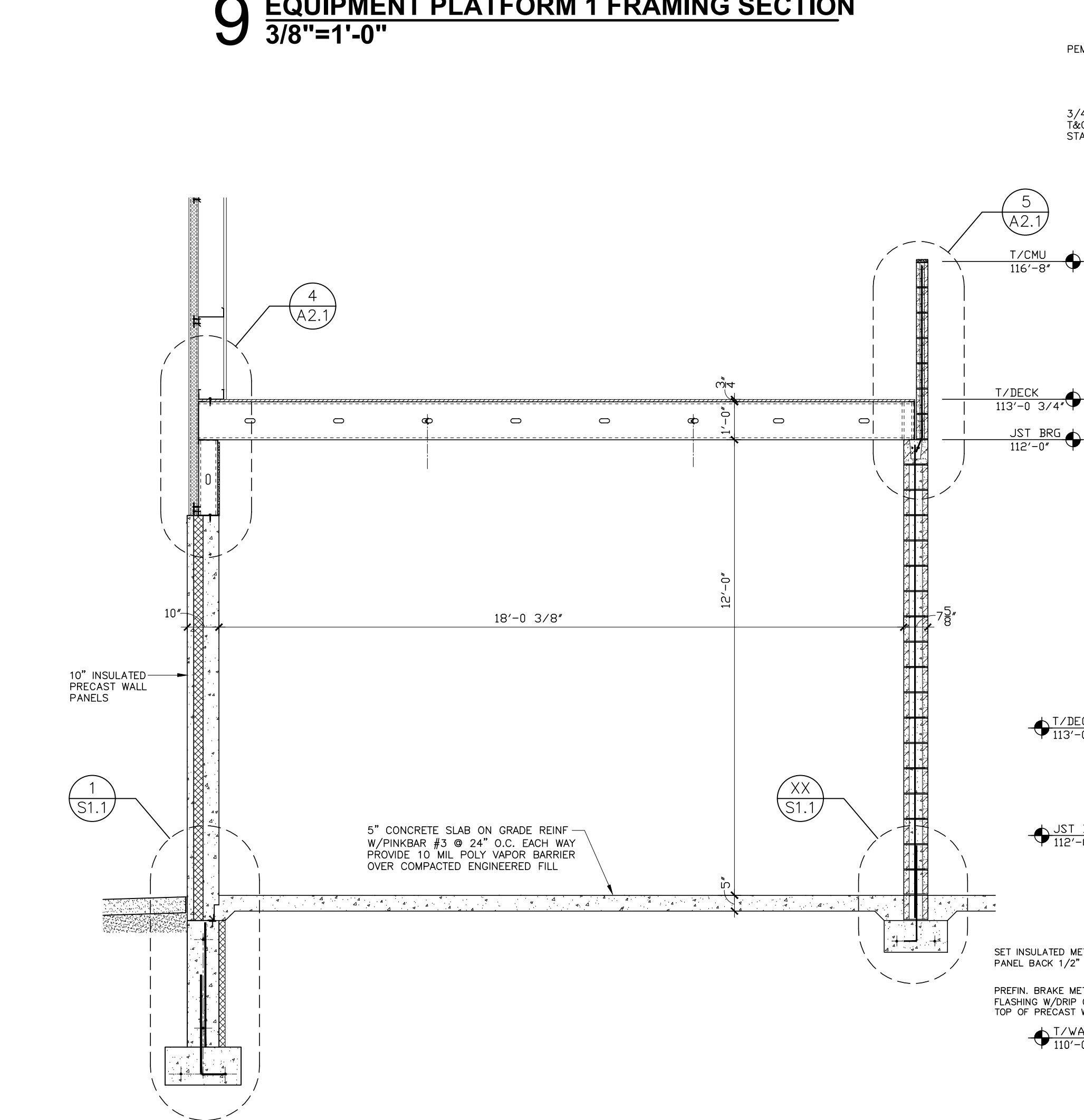
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 DECK FRAMING
 PLANS & DETAILS

SHEET NO.

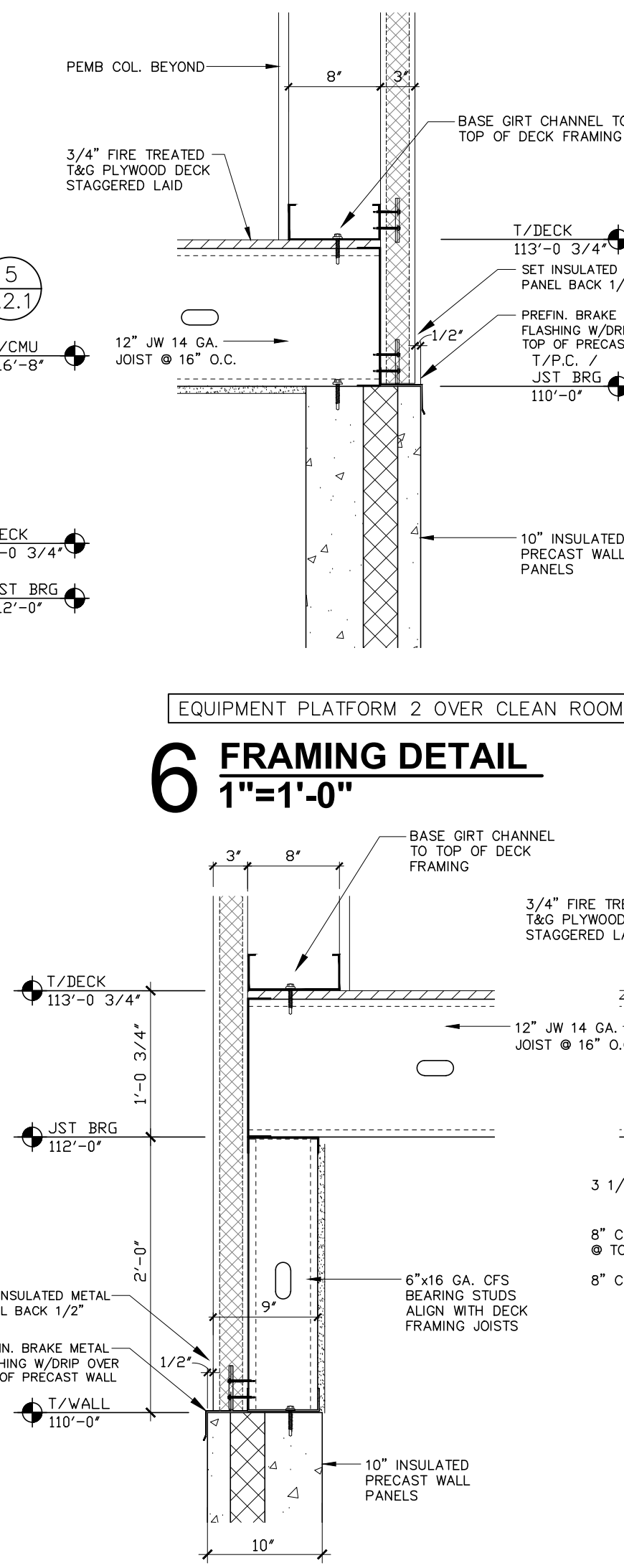
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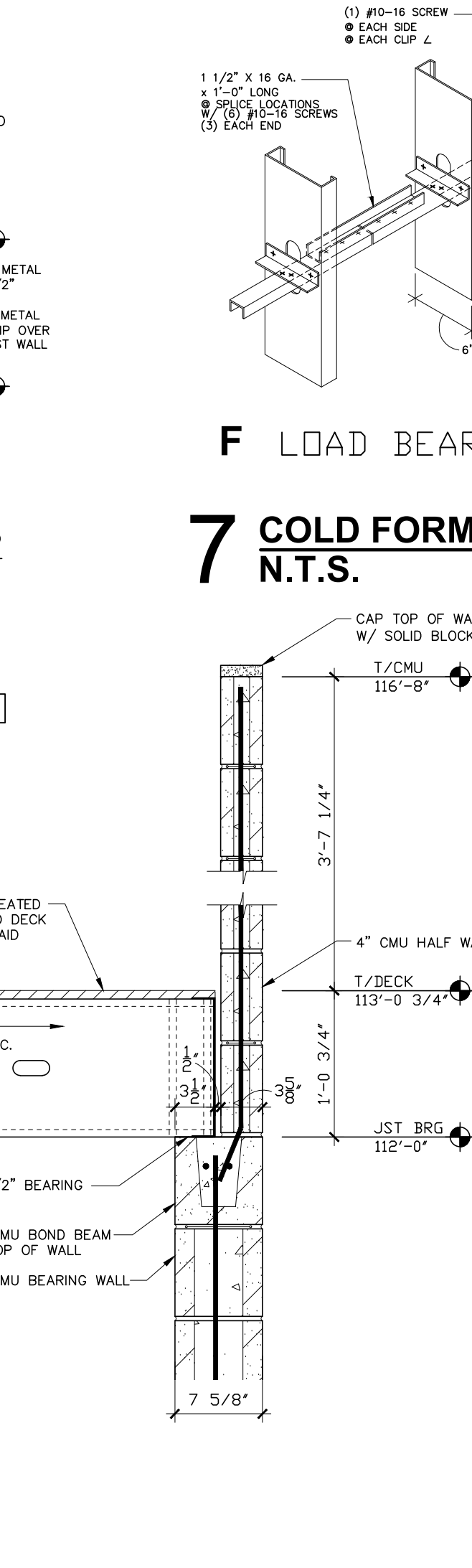
9 EQUIPMENT PLATFORM 1 FRAMING SECTION
3/8"=1'-0"



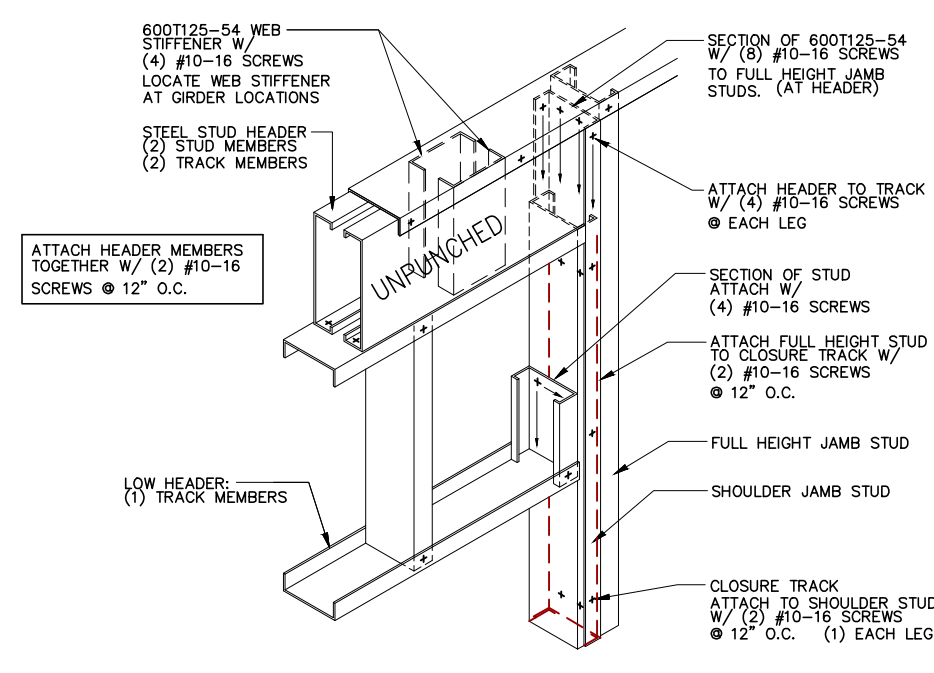
8 EQUIPMENT PLATFORM 3 FRAMING SECTION
3/8"=1'-0"



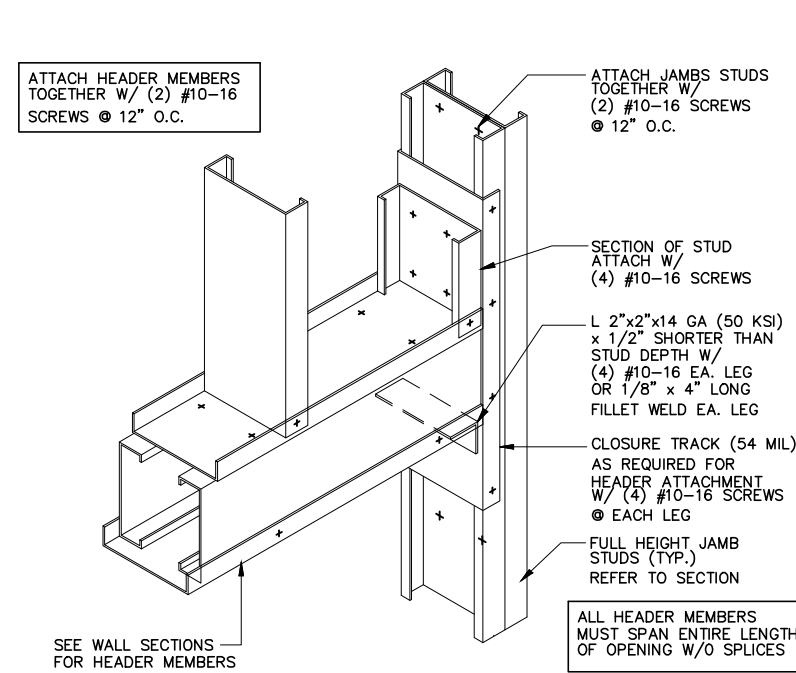
4 FRAMING DETAIL
1"=1'-0"



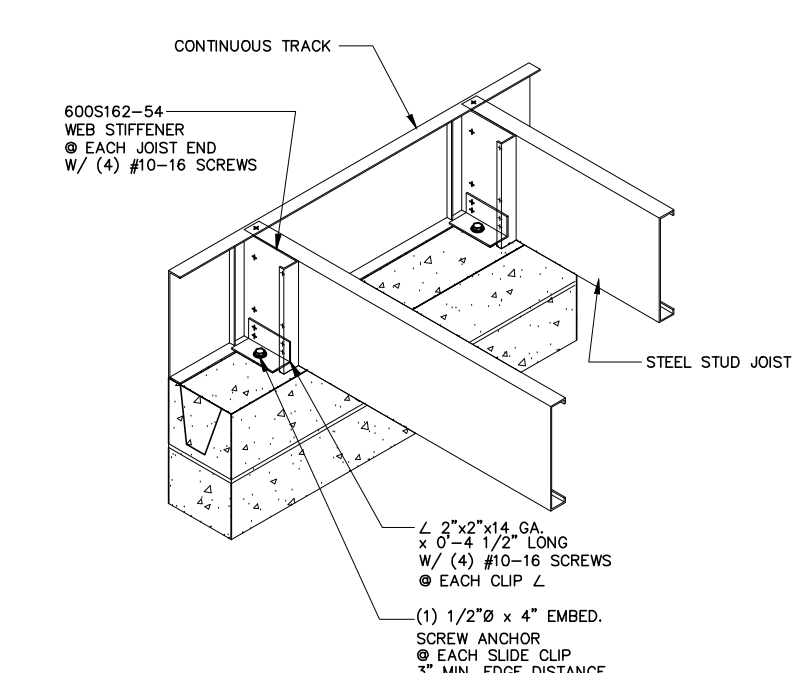
5 FRAMING DETAIL
1"=1'-0"



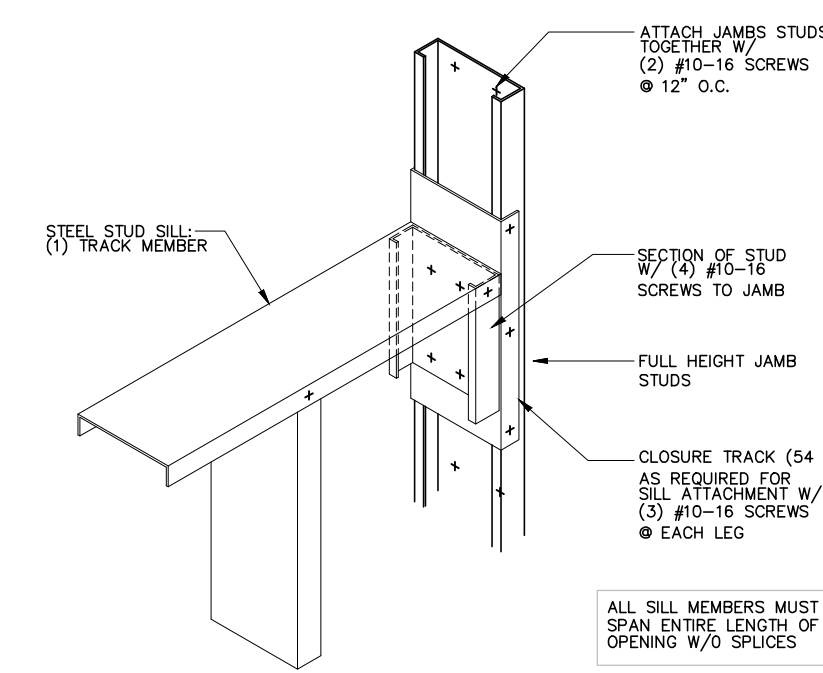
A BOX HEADER DETAIL AT HIGH HEADER



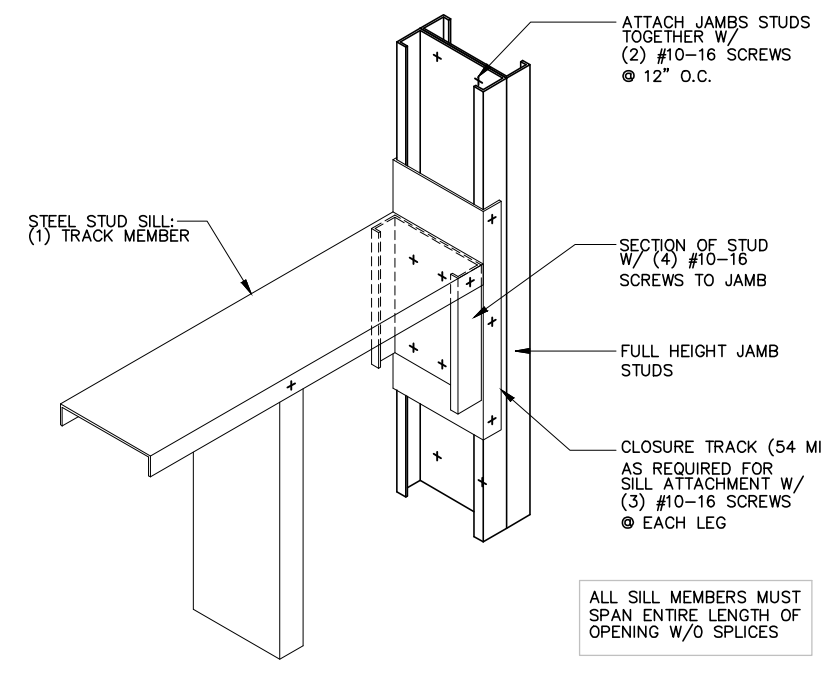
B BOX HEADER DETAIL AT LOW HEADERS



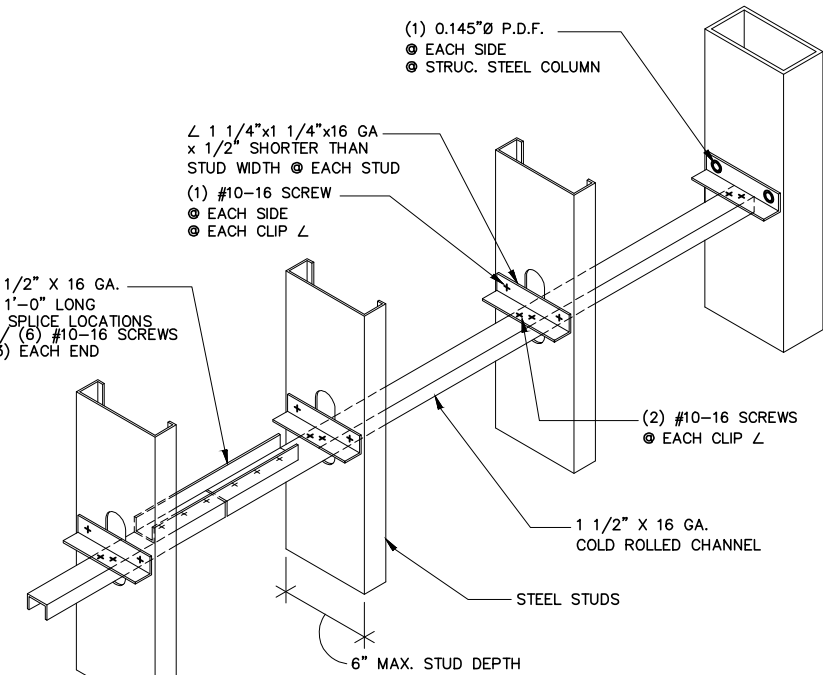
C JOIST BEARING DETAIL @ CMU WALL



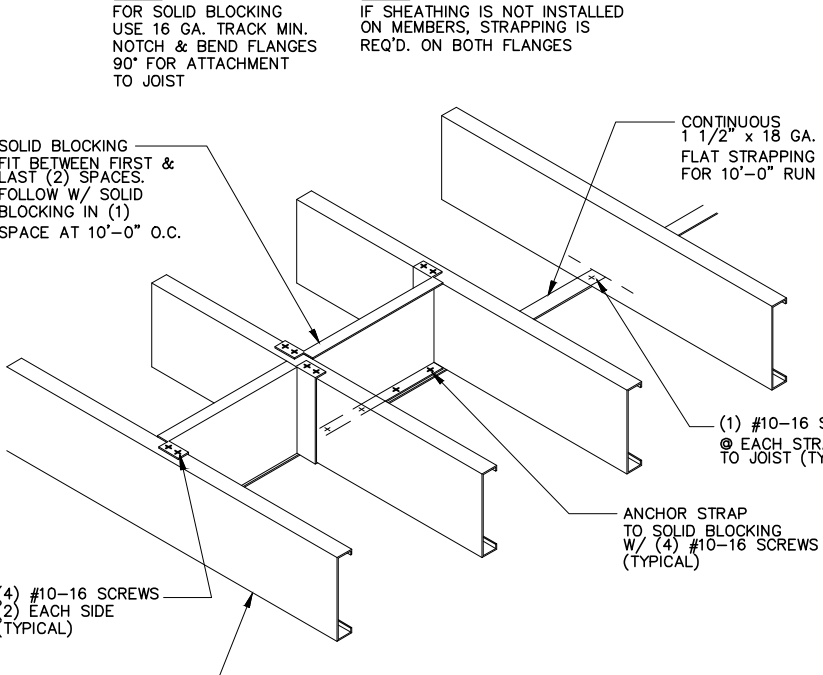
D SILL/JAMB DETAIL @ OPNGS UP TO 4'



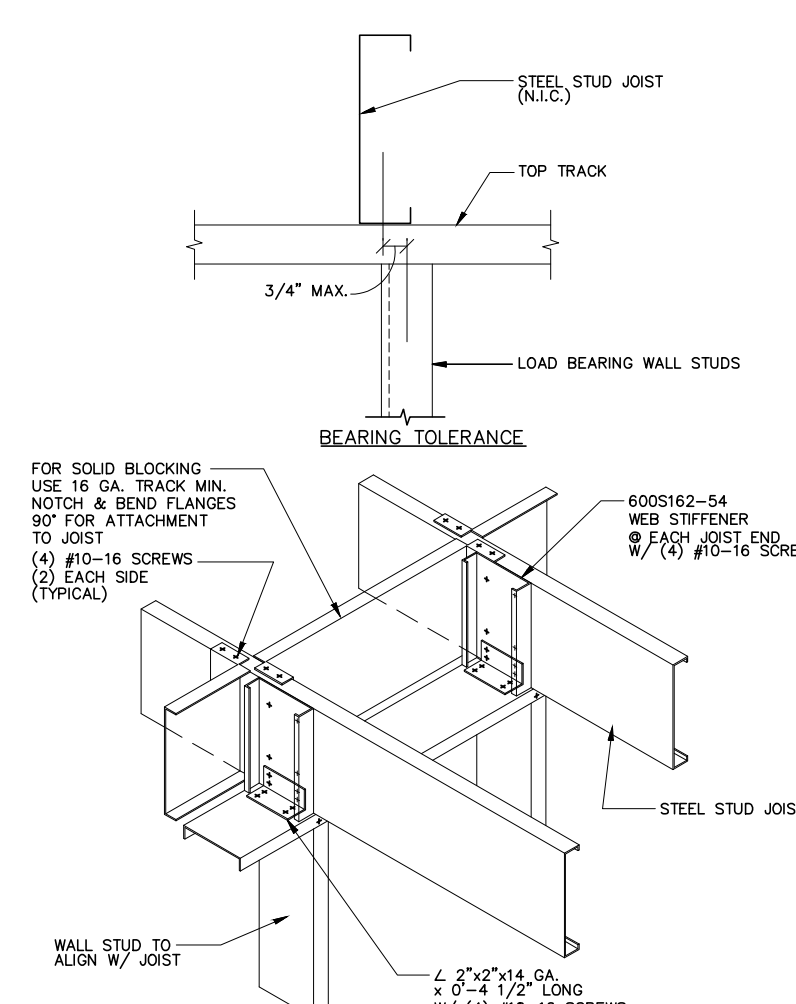
E SILL/JAMB DETAIL @ OPNGS OVER 4'



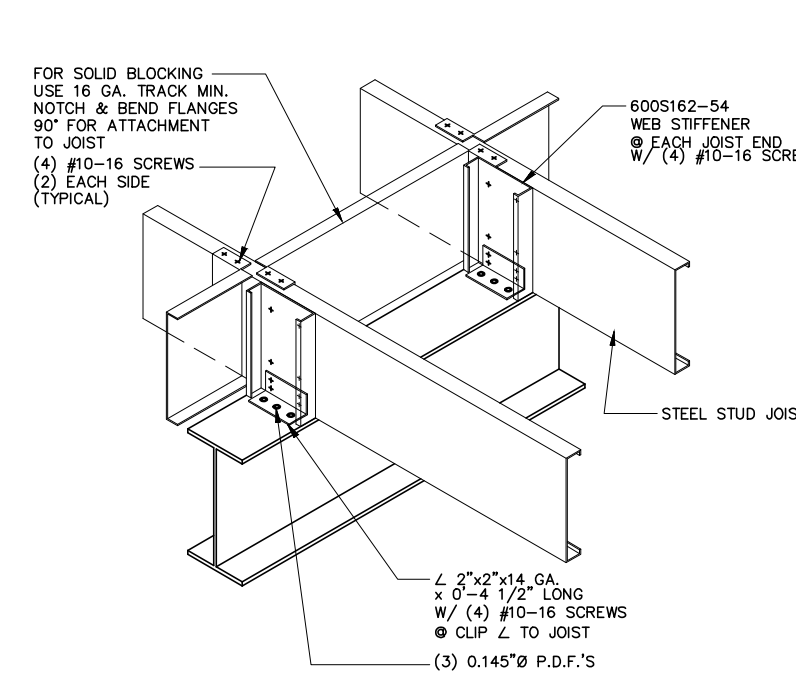
F LOAD BEARING WALL BRIDGING



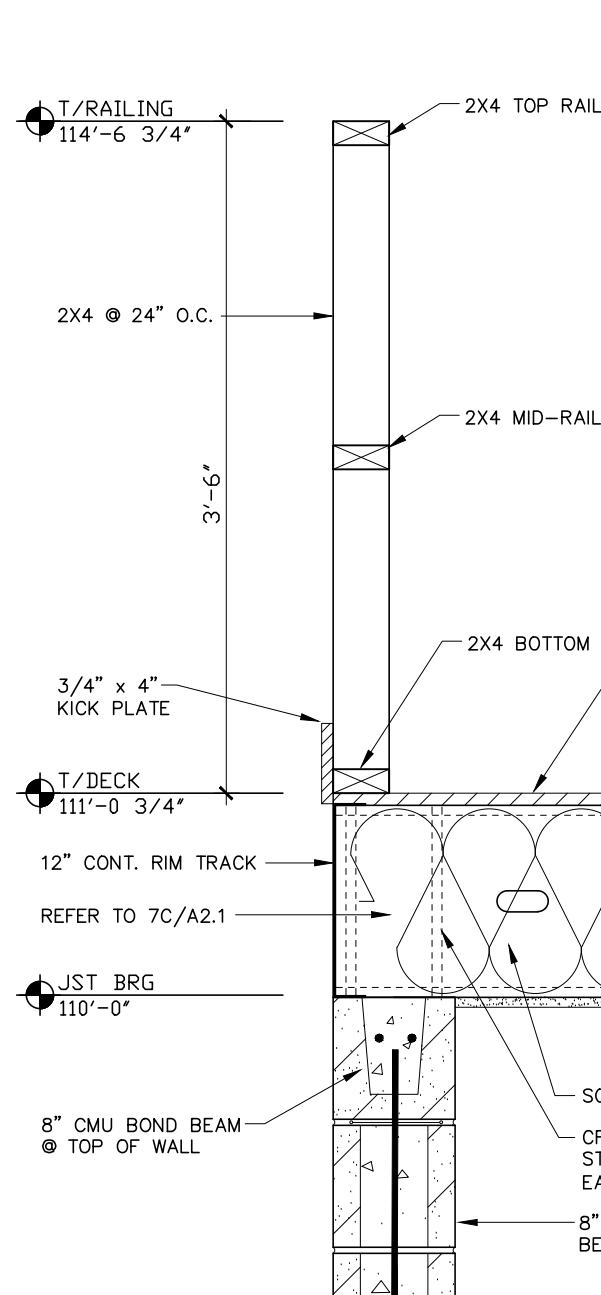
G JOIST SOLID BRIDGING DETAIL



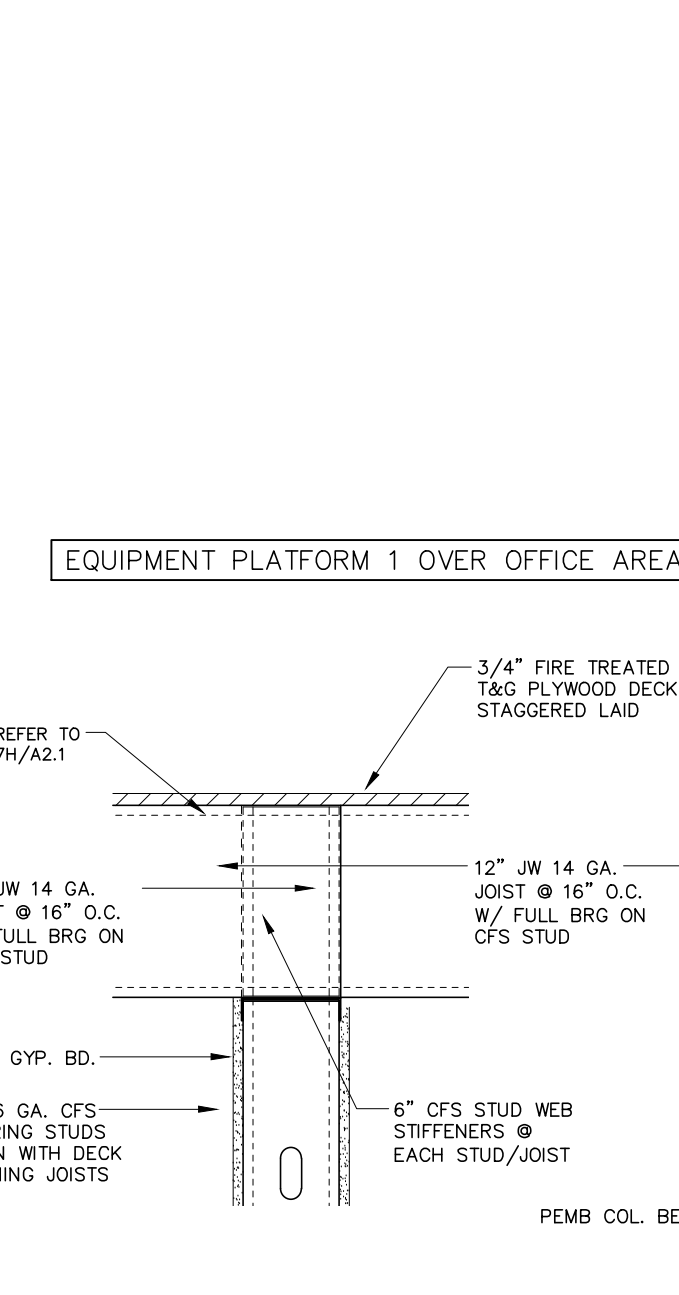
H JOIST BEARING DETAIL @ STUD WALL



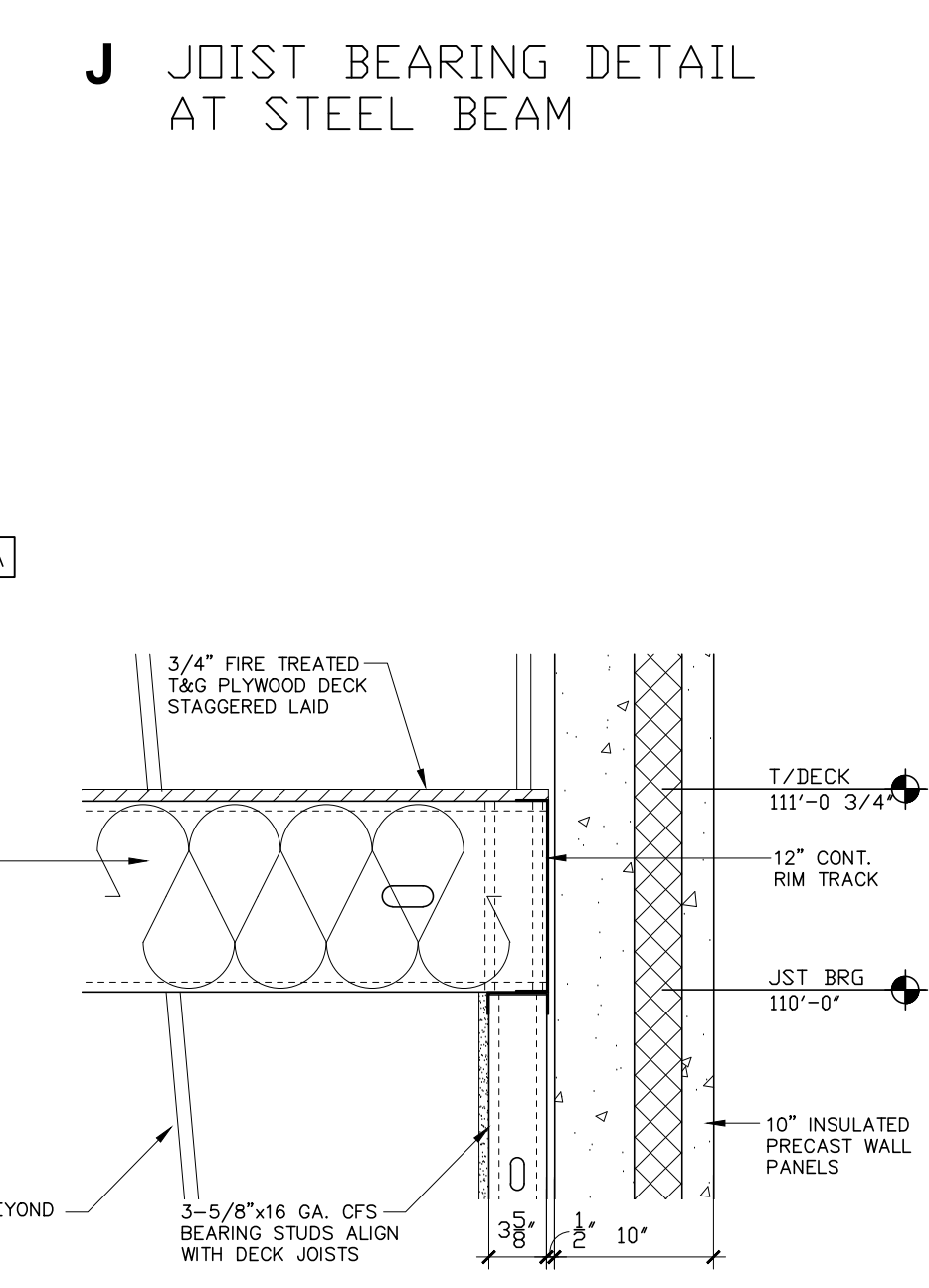
J JOIST BEARING DETAIL AT STEEL BEAM



1 FRAMING DETAIL
1"=1'-0"



2 FRAMING SECTION
1"=1'-0"



3 FRAMING SECTION
1"=1'-0"

EsKay Architecture
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Borton Construction
GENERAL CONTRACTOR
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET - TYPE
12/05/25 DESIGN SET

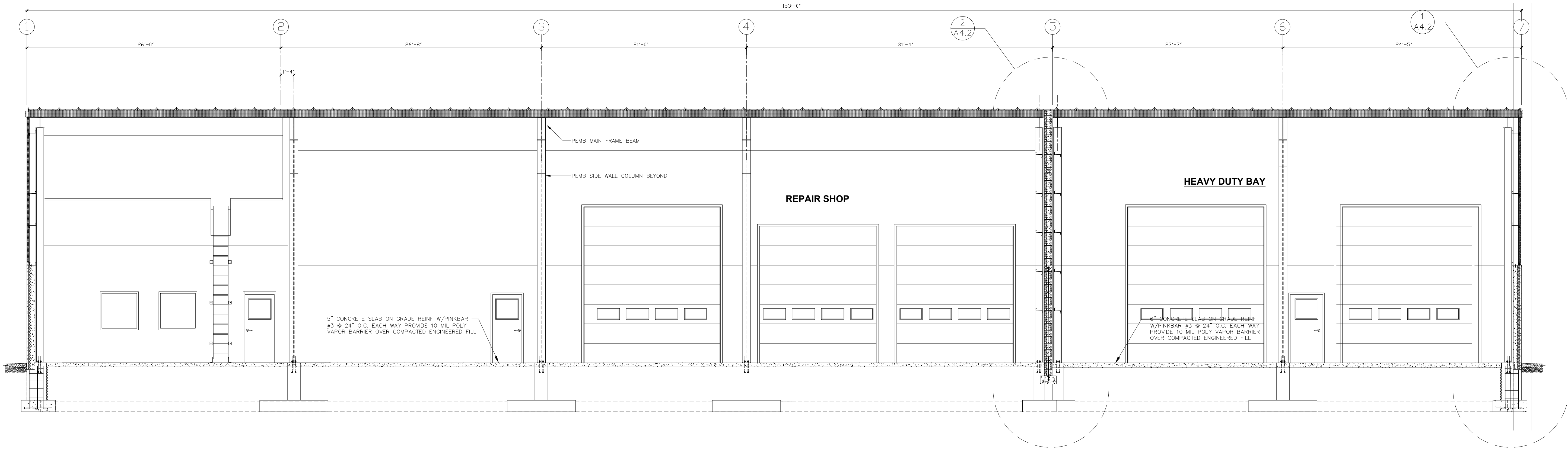
DRAWN BY:

REVISIONS	NO.	DATE

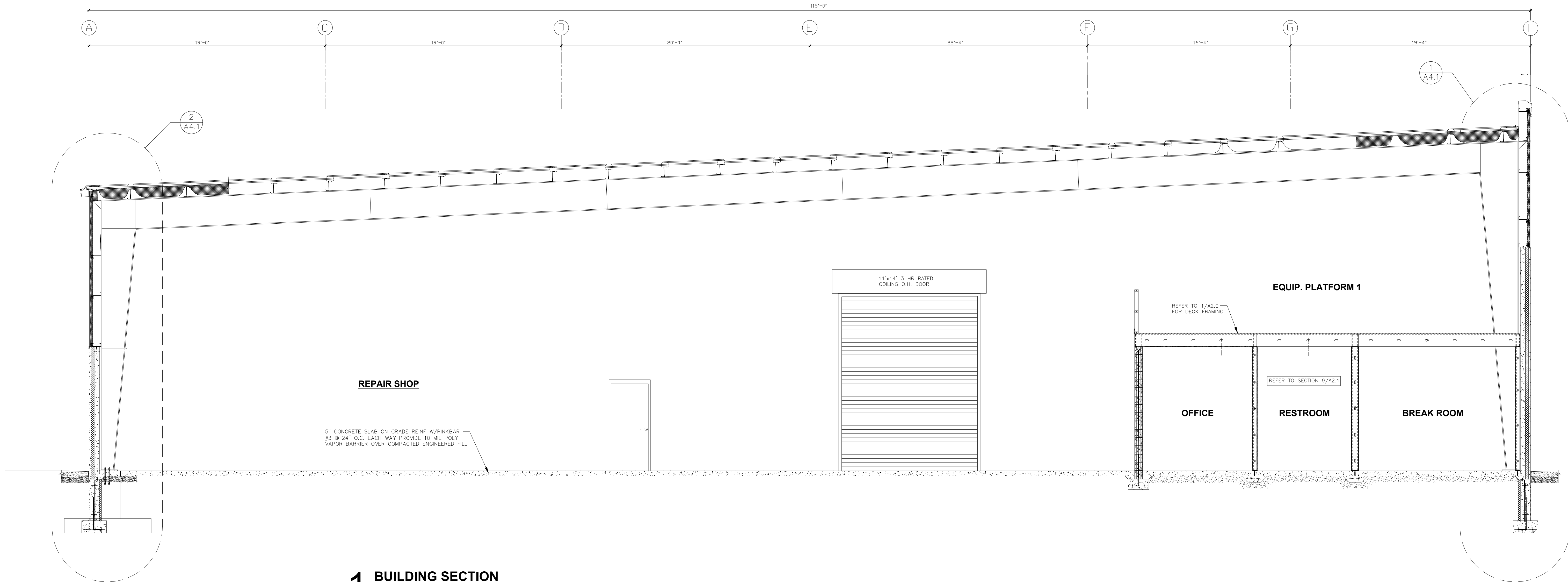
SHEET TITLE
DECK FRAMING
PLANS & DETAILS

SHEET NO.

A2.1



2 BUILDING SECTION
3/16" = 1'-0"



1 BUILDING SECTION
1/4" = 1'-0"

Eskay Architecture
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Email: eskayarchitect@gmail.com

Borton CONSTRUCTION
GENERAL CONTRACTOR:
2 Copeland Ave, Ste 201
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PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET - TYPE
12/05/25 DESIGN SET

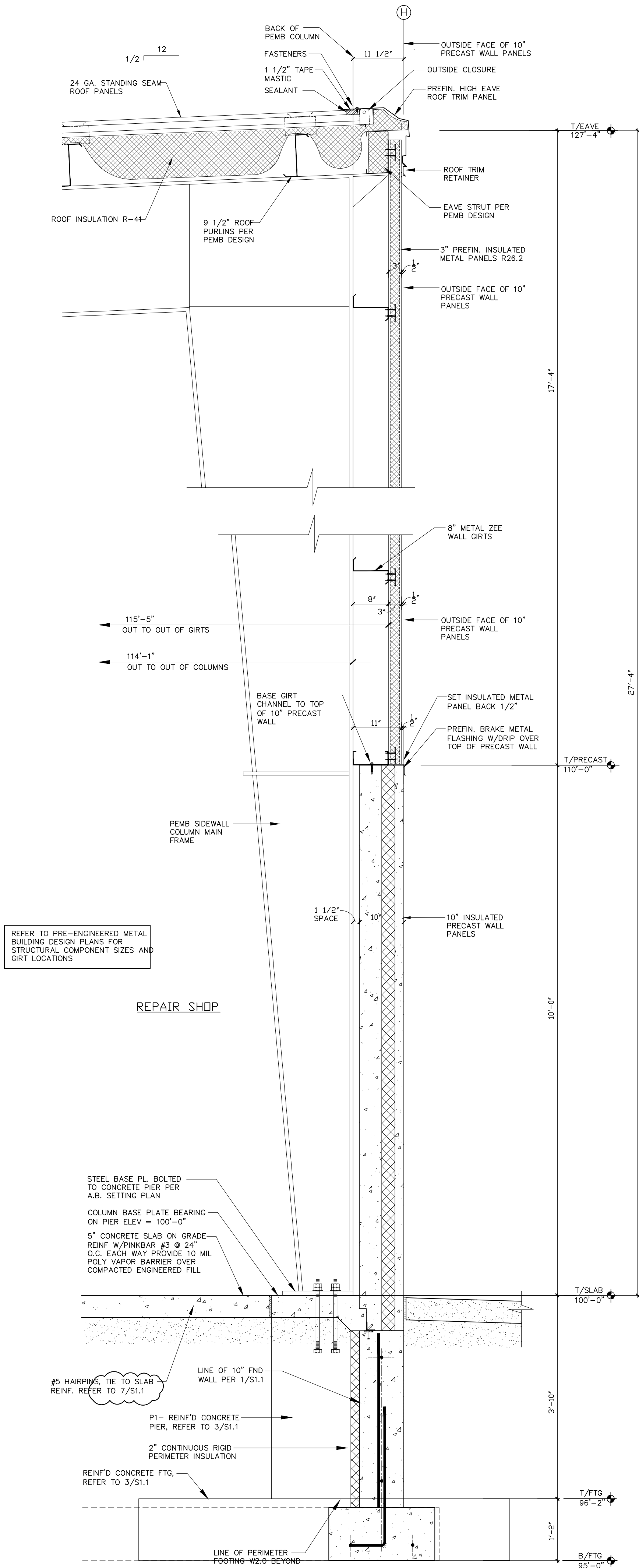
DRAWN BY:

REVISIONS	
NO.	DATE

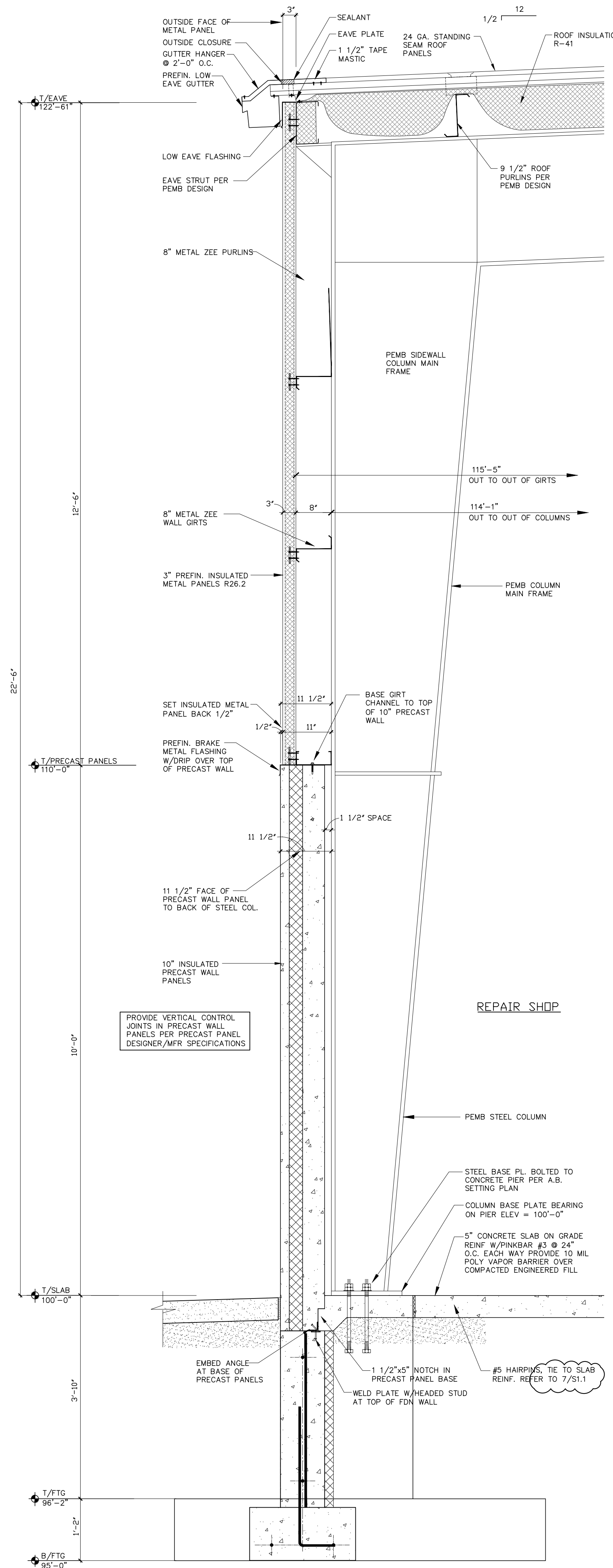
SHEET TITLE
BUILDING SECTIONS

SHEET NO.

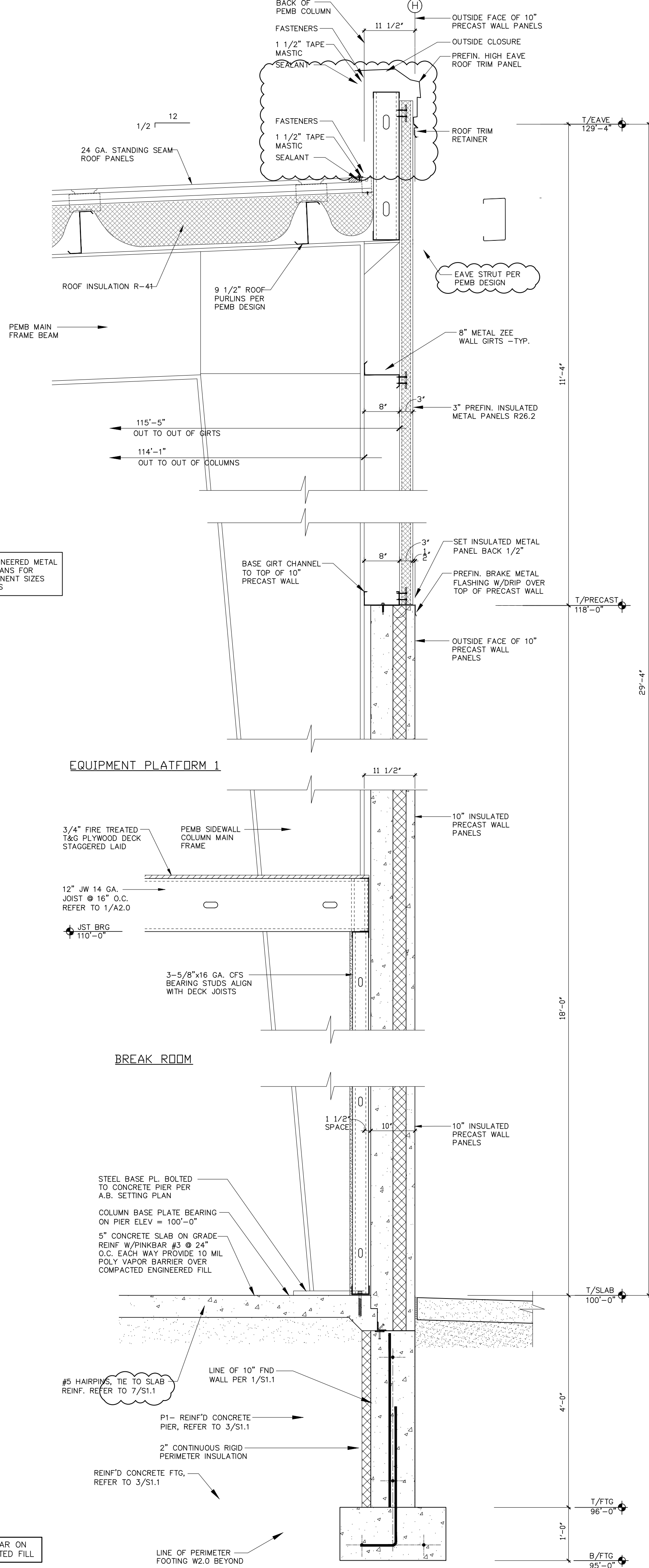
A4.0



3 BUILDING SECTION
3/4" = 1'-0"
© HIGH EAVE
SIDE WALL COLUMN



2 BUILDING SECTION
3/4" = 1'-0"
© LOW EAVE
SIDE WALL COLUMN

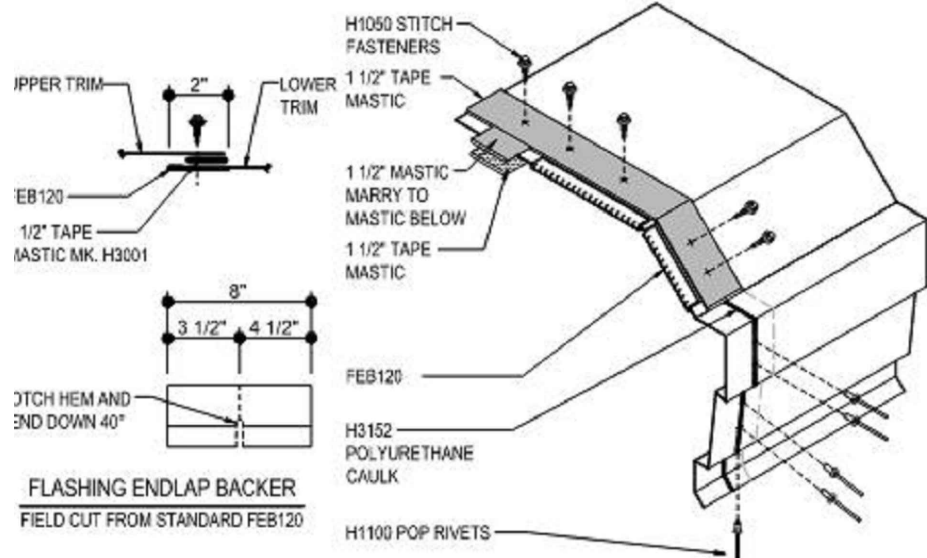


1 BUILDING SECTION
3/4" = 1'-0"
© HIGH EAVE
SIDE WALL COLUMN

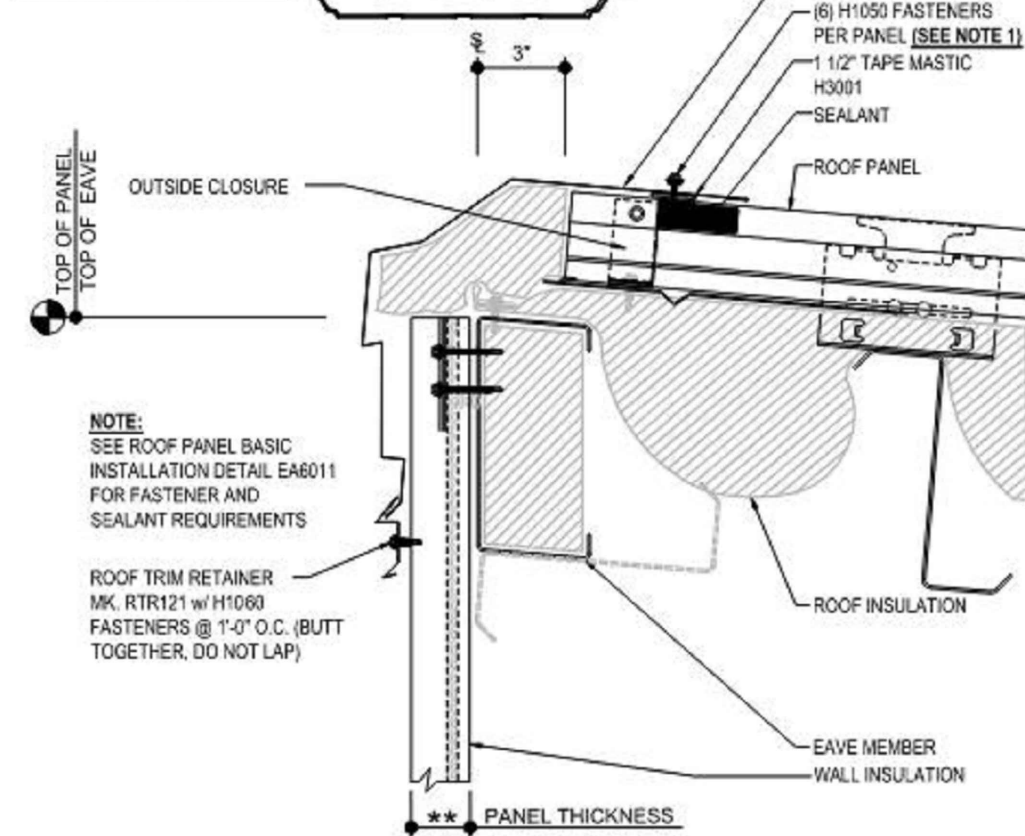
REVISIONS	
NO.	DATE

HIGH EAVE LAP & FLASHING BACKER

SLIDE FIELD CUT SECTION FLASHING ENDLAP BACKER ONTO THE LOWER TRIM PIECE. PLACE TAPE MASTIC NEXT TO HSB OF THE BACKER (NOT ON TOP OF HSB). APPLY CONTINUOUS BEAD OF CAULK 1" FROM END OF TRIM DOWN PROFILE OF TRIM. FASTEN LAP WITH STITCH FASTENERS AND POP RIVETS AS SHOWN.

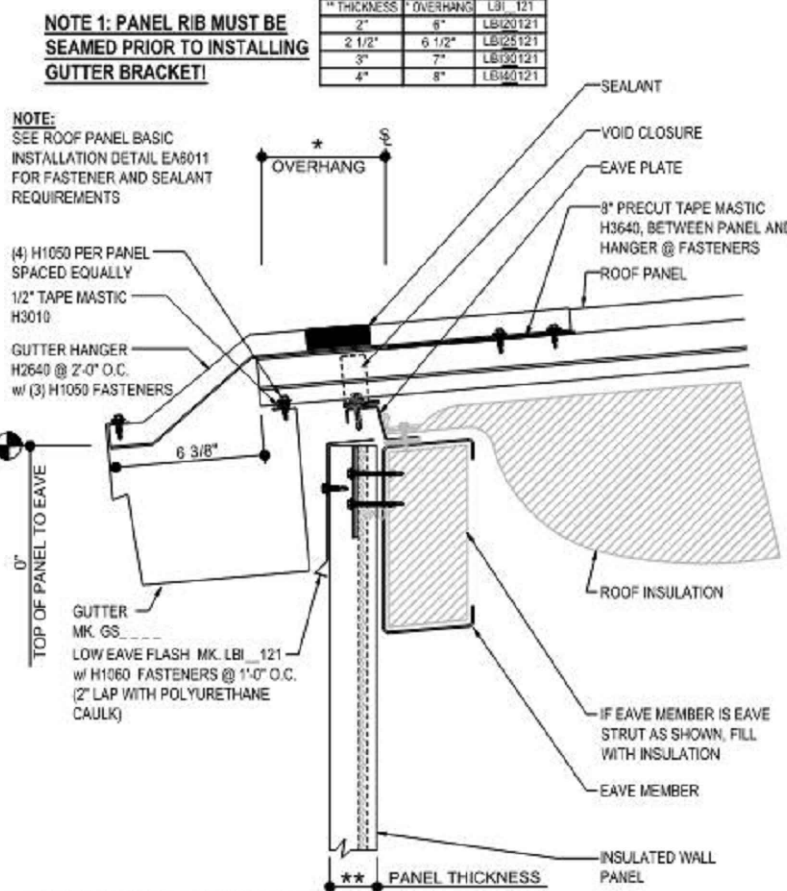


NOTE 1: REFERENCE DETAIL EA6076 FOR ADDITIONAL REQUIRED TRIM LAP FASTENER

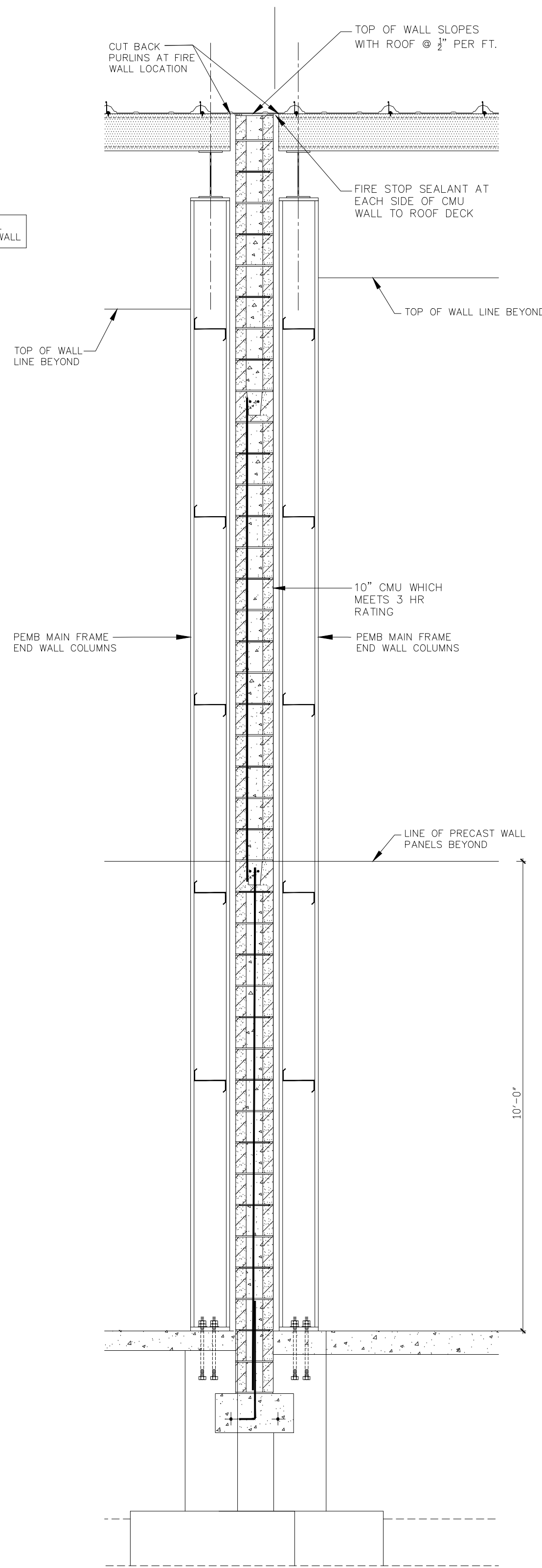


HIGH EAVE SCULPTURED DETAIL

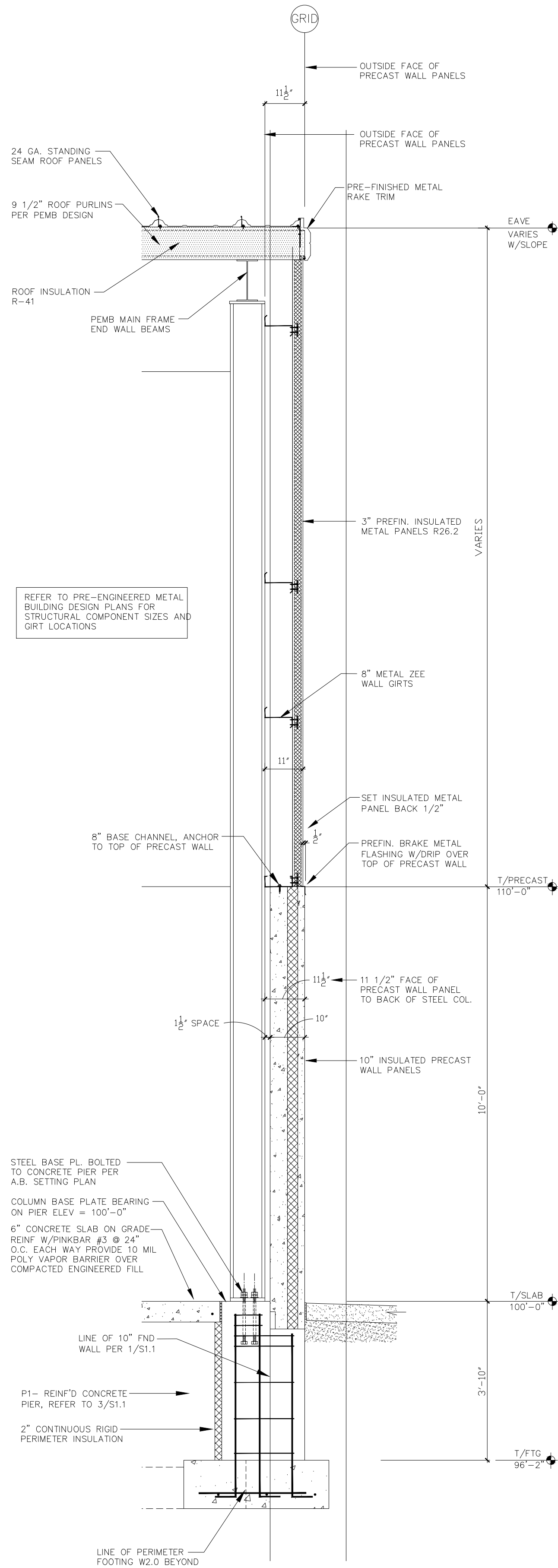
NOTE 1: PANEL RIB MUST BE SEALED PRIOR TO INSTALLING GUTTER BRACKET



ON-SLOPE GUTTER DETAIL



NOTE: NO STRUCTURAL CONNECTIONS TO FIRE WALL



REFER TO PRE-ENGINEERED METAL BUILDING DESIGN PLANS FOR STRUCTURAL COMPONENT SIZES AND GIRT LOCATIONS

2 BUILDING SECTION
1/2" = 1'-0" @ FIRE WALL

ALL FOOTINGS TO BEAR ON ENGINEERED COMPACTED FILL

1 BUILDING SECTION
1/2" = 1'-0" @ END WALL COLUMN

GENERAL CONTRACTOR:

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET - TYPE
12/05/25 DESIGN SET

DRAWN BY:

REVISIONS

NO. DATE

SHEET TITLE

WALL SECTIONS

SHEET NO.

Commercial
Industrial
Residential
Eskay Architecture
Onalaska, WI 54650 Ph: 608-317-1565
Email: eskayarchitect@gmail.com
WISCONSIN Number: A-10047 Date: 07/31/2026
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Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54603

A4.2

STRUCTURAL SPECIFICATIONS

DESIGN:

APPLICABLE CODES/STANDARDS:

–2021 INTERNATIONAL BUILDING CODE WITH WISCONSIN MODIFICATIONS
–ASCE 7–2016 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI 2016

STRUCTURAL DESIGN STANDARDS:

–ACI 318–2019 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
–ACI 530/530.1–19 BUILDING CODE REQUIREMENTS
–AISC–ASD/LRFD (ASD ONLY) STEEL CONSTRUCTION MANUAL, 13TH EDITION
–AISC–360–2016 STRUCTURAL STEEL
–AISC SEISMIC DESIGN MANUAL
–WS D1.1/D1.1M STRUCTURAL WELDING CODE–SEEL, 2006 EDITION
–NDS–2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
ASD/LRFD (ASD ONLY), 2005 EDITION
–NDS–NATIONAL DESIGN SPECIFICATION SUPPLEMENT, DESIGN VALUES FOR WOOD CONSTRUCTION

BUILDING CLASSIFICATION CATEGORY: II

BUILDING DESIGN LIVE LOADS/CRITERIA:

FLOOR LIVE LOAD – FIRST FLOOR LIVE LOAD	100 PSF
– ROOF SNOW LOADS & DESIGN DATA:	
DESIGN ROOF SNOW LOAD	28.0 PSF
FLAT ROOF SNOW LOAD (P _f)=(0.7*Ce*Ct*Is*Pg)	28.0 PSF
SNOW EXPOSURE FACTOR (Ce)	1.0
SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
ROOF THERMAL FACTOR (Ct)	1.0
GROUND SNOW (Pg)	40.0 PSF
RAIN ON SNOW SURCHARGE	0
SLOPED ROOF FACTOR (Cs)	1.0
UNBALANCED SNOW LOAD	WINDWARD 8.4 PSF /LEEWARD 20.0 PSF @ 8.3'

WIND DESIGN DATA: ASCE 7–10	
WIND IMPORTANCE FACTOR (Iw)	1.0
BASIC WIND SPEED (3–SECOND GUST)	115 mph
MEAN ROOF HEIGHT	24.8 FT
WIND EXPOSURE CATEGORY	B
WIND EXPOSURE CLASSIFICATION	ENCLOSED
BUILDING LENGTH (L)	153.0 FT
LEAST WIDTH (B)	116.0 FT
TOPOGRAPHIC FACTOR Kzt	1.0
EDGE STRIP (a)	11.0 FT
DESIGN PROCEDURE	METHOD 1 (SIMPLIFIED PROCEDURE)

COMPONANT AND CLADDING DESIGN PRESSURES

PER ASCE 7–2016 FIGURE 30–4–2B & TABLE 30.7.2

SEISMIC DESIGN INFORMATION

SEISMIC SITE CLASS "D" (assumed)

SEISMIC USE GROUP 1

SEISMIC DESIGN CATAGORY "A"

SMS = 0.07%
SM1 = 0.03%
SDS = 0.001
SD1 = 0.001

GENERAL:

- ALL MATERIALS, CONSTRUCTION, AND DETAILS SHALL CONFORM WITH THE FOLLOWING: PLANS AND SPECIFICATIONS 2021 IBC W/WISCONSIN AMENDMENTS – OSHA REGULATIONS
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (ARCHITECTURAL, CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.) IN ORDER TO PROVIDE ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT.
- THE CONTRACTOR SHALL REFER TO OTHER DRAWINGS CONTAINED IN THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL SPECIFIED MEMBERS, DIMENSIONS, ELEVATIONS, DETAILS, OPENINGS, INSERTS, SLEEVES, DEPRESSIONS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS REQUIRED TO CONSTRUCT THIS PROJECT.
- DETAILS SHOWN ON STRUCTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PORTIONS OF THE CONTRACT DOCUMENTS UNLESS NOTED OTHERWISE.
- DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SUPERSEDE DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS.
- DO NOT SCALE PLANS.
- IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
- IT IS SOLELY THE CONTRACTOR’S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND CONSTRUCTION SEQUENCE IN ORDER TO INSURE THE SAFETY OF THE BUILDING AND WORKMEN DURING CONSTRUCTION (MEANS & METHODS OF CONSTRUCTION). THIS INCLUDES, BUT IS NOT LIMITED TO: SHORING, UNDERPINNING, TEMPORARY BRACING, ETC.
- CONSTRUCTION DOCUMENTS SHOW DIMENSIONS AND ELEVATIONS TO SIGNIFICANT WORKING POINTS (COLUMN CENTERLINES, OUTSIDE FACE OF WALLS, TOP OF FRAMING MEMBERS, ETC.) MATERIAL SUPPLIERS AND DESIGNERS ARE RESPONSIBLE FOR ALL OTHER INFORMATION IN ORDER TO DETAIL/FABRICATE THEIR WORK. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES.
- IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PLANS CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BRING THE DISCREPANCY TO THE ARCHITECTS ATTENTION IN WRITING IMMEDIATELY OR SHALL BID THE MOST EXPENSIVE INSTALLATION SPECIFIED.

DEFLECTION LIMITS:

ROOF MEMBERS	LIVE	SNOW OR WIND	DEAD + LIVE/SNOW
SUPPORTING GYPSUM BOARD CEILINGS	L/360	L/360	
SUPPORTING FLEXIBLE CEILINGS	L/240	L/240	
NOT SUPPORTING CEILING	L/240	L/240	
SUPPORTING RIGD MATERIALS (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in	L/600 OR 0.3 in	L/600 OR 0.3 in

LINTEL/HEADER/BEAM MEMBERS

SUPPORTING RIGD MATERIALS (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in	L/600 OR 0.3 in	L/600 OR 0.3 in
SUPPORTING FLEXIBLE MATERIALS (EIFS, SIDING, ETC.)	L/360	L/360	

EXTERIOR WALLS

WITH RIGID FINISHES (BRICK, MASONRY, ETC.)	L/600 OR 0.3 in
WITH FLEXIBLE FINISHES (EIFS, SIDING, ETC.)	L/360

MATERIAL STRENGTHS:

CAST-IN-PLACE CONCRETE:

FOOTINGS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f’c = 3000 PSI
MAXIMUM WATER–CEMENTITIOUS RATIO	0.55
MAXIMUM AGGREGATE SIZE	1 1/2”
SLUMP LIMIT	5” +/- 1”
AIR CONTENT	NO
FOUNDATION WALLS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f’c = 4000 PSI
MAXIMUM WATER–CEMENTITIOUS RATIO	0.50
MAXIMUM AGGREGATE SIZE	3/4”
SLUMP LIMIT	4” +/- 1”
AIR CONTENT	NO
INTERIOR SLABS ON GRADE	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f’c = 4000 PSI
MAXIMUM WATER–CEMENTITIOUS RATIO	0.47
MAXIMUM AGGREGATE SIZE	3/4”
SLUMP LIMIT	4” +/- 1”
AIR CONTENT	NO
EXTERIOR SLABS ON GRADE	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f’c = 4500 PSI
MAXIMUM WATER–CEMENTITIOUS RATIO	0.42
MAXIMUM AGGREGATE SIZE	3/4”
SLUMP LIMIT	3” +/- 1”
AIR CONTENT	YES 6 +/- 1 1/2 %
PIERS	
MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS	f’c = 4000 PSI
MAXIMUM WATER–CEMENTITIOUS RATIO	0.47
MAXIMUM AGGREGATE SIZE	3/4”
SLUMP LIMIT	4” +/- 1”
AIR CONTENT	NO

REINFORCING STEEL:

ALL–ASTM A 615, GRADE 60, DEFORMED	Fy = 60,000 PSI
STEEL WELDED WIRE REINFORCEMENT, FLAT SHEETS	Fy = 60,000 PSI

STRUCTURAL STEEL:

ROLLED WIDE FLANGE SHAPES, ASTM A 992 GRADE 50	Fy = 50,000 PSI
CHANNELS, ANGLES, & S SHAPES, ASTM A 36 GRADE 50	Fy = 36,000 PSI
PLATE & BAR, ASTM A 36 GRADE 50	Fy = 36,000 PSI
TUBE SHAPES, ASTM A 500 GRADE B	Fy = 46,000 PSI
PIPE, ASTM A 53, TYPE E OR S, GRADE B	Fy = 46,000 PSI
ALL OTHER ROLLED SHAPES, ASTM A 36 GRADE 50	Fy = 36,000 PSI

STRUCTURAL BOLTS:

HIGH STRENGTH BOLTS, NUTS, & WASHERS, ASTM A 325
ZINC–COATED HIGH STRENGTH BOLTS, NUTS, & WASHERS, ASTM A 325
STAINLESS STEEL BOLTS, NUTS, & WASHERS, ASTM F 593
SHEAR CONNECTORS, ASTM A 108 GRADES 1015 THRU 1020
THREADED RODS, ASTM A 36 GRADE 50
CLEVISES & TURNBUCKLES, ASTM A 108, GRADE 1035
EYE BOLTS & NUTS, ASTM A 108, GRADE 1030
ANCHOR BOLTS, ASTM A 301

WELDED CONNECTIONS:

WELDING ELECTRODES	E70XX
--------------------	-------

MASONRY: f’m = 2000 PSI

MASONRY MORTAR:

TYPE "M" MORTAR BELOW GRADE
TYPE "M" OR "S" ABOVE GRADE

GROUT BELOW BASE PLATES & BEARING PLATES:

NONMETALLIC, SHRINKAGE–RESISTANT ASTM C 1107 – MIN GROUT COMPRESSIVE STRENGTH	5000 PSI
--	----------

WOOD FRAMING:

2x6 & SMALLER	SPF #2
2x8 & LARGER	DFL #1
LAMINATED VENEER LUMBER (LVL)	E = 2.0 x 10 ⁶ PSI

ALLOWABLE SOIL BEARING PRESSURE:	2000 PSF ASSUMED
----------------------------------	---------------------

FOUNDATION & EARTHWORK:

- ALL EXTERIOR FOOTINGS MUST BEAR AT A MINIMUM DEPTH OF 4’–0” BELOW ADJACENT FINISH EXTERIOR GRADE.
- DO NOT PLACE ANY FOOTINGS ON FROZEN SUBGRADE.
- BACK FILLING SHALL BE DONE SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION WALLS.
- REMOVE ANY EXISTING CONCRETE 2’–0” BELOW NEW CONCRETE FOOTINGS AND SLABS ON GRADE.
- CENTER PIER AND COLUMN FOOTINGS ON COLUMN CENTERLINES AND WALL FOOTINGS ON WALL CENTERLINES UNLESS SPECIFICALLY NOTED OTHERWISE.
- TOP OF FOOTING ELEVATIONS SHOWN ON THESE CONSTRUCTION DOCUMENTS REPRESENT MINIMUM FOOTING DEPTHS FOR FROST PROTECTION AND BEST JUDGMENT OF A SUITABLE BEARING STRATUM. ACTUAL GRADE CONDITIONS AND SUITABLE BEARING STRATUM MUST BE VERIFIED BY THE CONTRACTOR AND A SOILS ENGINEER AT THE TIME OF EXCAVATION.
- FOOTING EXCAVATIONS MUST EXTEND TO COMPETENT BEARING MATERIAL. CONTRACTOR SHALL HIRE A SOILS ENGINEER TO FIELD VERIFY NET ALLOWABLE SOIL BEARING CAPACITY STATED ON THESE CONSTRUCTION DOCUMENTS AND IN GEOTECHNICAL REPORT FOR THIS PROJECT. IF SUITABLE BEARING STRATUM DOES NOT EXIST AT FOOTING ELEVATIONS STATED ON CONSTRUCTION DOCUMENTS, EXCAVATIONS SHALL BE EXTENDED UNTIL SOIL WITH STATED BEARING CAPACITY IS REACHED. PLACE COMPACTED FILL BELOW FOOTINGS OR EXTEND FOOTINGS DOWN TO SUITABLE BEARING STRATUM. ENGINEERED FILL BELOW SLABS ON GRADE AND FOOTINGS SHALL BE FREE DRAINING GRANULAR MATERIAL COMPACTED TO 95% MODIFIED PROCTOR AND PLACED PER THE SOIL ENGINEERS RECOMMENDATIONS.

CAST-IN-PLACE REINFORCED CONCRETE:

- CONCRETE WORK SHALL CONFORM TO THE CURRENT EDITION OF ACI 318 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE) AND ACI 302 (GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION).
- CONTRACTOR SHALL SUBMIT FIVE SETS OF STEEL REBAR SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
- CONCRETE EXPOSED TO EXTERIOR CONDITIONS SHALL BE AIR–ENTRAINED 6% ± 1.5%.
- WHERE APPLICABLE GROUT BELOW BASE PLATES AND BEARING PLATES SHALL BE NON–SHRINK, NON–METALLIC GROUT 3/4” THICK MINIMUM.
- STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615 (GRADE 60). DEFORMED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- CONTRACTOR SHALL PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION WHILE PLACING CONCRETE.
- PROVIDE (2)–#5 BARS AROUND ALL OPENINGS AND (2)–#5 BARS DIAGONALLY AT ALL OPENING CORNERS. EXTEND BARS 2’–6” PAST OPENING.
- PROVIDE 1/2” EXPANSION JOINT MATERIAL AT INTERIOR LOCATIONS WHERE SLABS ABUT WALLS, COLUMNS, AND OTHER VERTICAL SURFACES UNLESS NOTED OTHERWISE.
- PROVIDE A 1” CHAMFER ON EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
- DO NOT PLACE CONDUITS, PIPES, DUCTS, OR FIXTURES IN STRUCTURAL CONCRETE UNLESS NOTED OTHERWISE.
- SLEEVES, CONDUITS, OR PIPING PASSING THROUGH CONCRETE SLABS AND WALLS SHALL BE PLACED SO THAT THEY ARE NOT CLOSER THAN THREE DIAMETERS ON CENTER AND SO THAT THEY DO NOT DISPLACE REINFORCING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY IRREGULARITIES OR DEFECTS IN CONCRETE SLABS (CRACKS, BUMPS, FLOOR CURLING, ETC.) BEFORE ANY FLOOR FINISHES ARE APPLIED.
- ALL LAPS IN REINFORCING STEEL SHALL BE CLASS "B" LAP SPLICES UNLESS OTHERWISE NOTED.

LOCATION ON PROJECT WHERE THE CONCRETE IS USED
7 DAY COMPRESSIVE STRENGTH
28 DAY COMPRESSIVE STRENGTH
AIR CONTENT
SLUMP
AMOUNT OF WATER ADDED ON JOB SITE
MIX USED

- CONCRETE TEST REPORTS SHALL DIRECTLY STATE WHETHER OR NOT THE TEST RESULT COMPLIES WITH THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS.
- CLASS C FLY ASH OR SLAG MAY BE SUBSTITUTED FOR CEMENT ON A POUND TO POUND BASIS UP TO 25% OF THE TOTAL CEMENTITIOUS CONTENT.
- ALL CONCRETE SLABS SHALL BE WET CURED PER ACI RECOMMENDATIONS FOR NO LESS THAN SEVEN DAYS.
- CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT PERMITTED IN ANY CONCRETE MIX.
- PROVIDE THE FOLLOWING CLEAR COVER DISTANCES FOR REINFORCEMENT IN CONCRETE:

FOOTINGS – BOTTOM & SIDES	3”
FOOTINGS – TOP	2”
SLABS – BOTTOM & SIDES	1”
SLABS – TOP	1”
WALLS – FACE	1 1/2”

STRUCTURAL STEEL:

- DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE CURRENT EDITION OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) "MANUAL OF STEEL CONSTRUCTION".
- STEEL DETAILING AND CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN".
- WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS HOLDING CURRENT AWS CERTIFICATES IN THE TYPES OF WELDING SPECIFIED ON THESE CONSTRUCTION DOCUMENTS.
- CONTRACTOR SHALL SUBMIT FIVE SETS OF STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
- CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY BRACING OR GUYS REQUIRED TO ERECT STEEL MEMBERS. TEMPORARY BRACING SHALL BE LEFT IN PLACE UNTIL THE PERMANENT STRUCTURE IS IN PLACE AND SECURE.
- PROVIDE 3/16” CAP PLATE AT THE ENDS OF ALL EXPOSED TUBE AND PIPE MEMBERS.
- STAIRS, HANDRAILS, AND GUARDRAILS SHALL BE DESIGNED BY THE STEEL SUPPLIER.
- ALL STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN MILL TOLERANCE).
- CAPACITY OF BOLTED OR WELDED CONNECTIONS SHALL BE EQUAL TO OR EXCEED 120% OF BEAM REACTION PRODUCED BY MAXIMUM ALLOWABLE UNIFORM LOAD ON THE GIVEN MEMBER SPAN.
- UNLESS OTHERWISE NOTED ON CONSTRUCTION DOCUMENTS, ALL BEAM CONNECTIONS SHALL BE DOUBLE ANGLE CONNECTIONS WITH A325N BOLTS. AT BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS, PROVIDE AS MANY BOLTS AS POSSIBLE IN BEAM FLANGE. DOUBLE ANGLE WELDED CONNECTIONS MAY BE USED TO DEVELOP THE SAME CAPACITY AS A BOLTED CONNECTION.
- ALTERNATE CONNECTIONS FROM WHAT IS SPECIFIED ON THE CONSTRUCTION DOCUMENTS WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- USE STANDARD AISC DOUBLE ANGLE CONNECTIONS WHERE POSSIBLE. ALL STANDARD DOUBLE ANGLE CONNECTIONS SHALL BE IN ACCORDANCE WITH ASD NINTH EDITION AND SHALL BE TYPE 2 FRAMING CONNECTIONS UNLESS NOTED OTHERWISE.
- WHERE WOOD MEMBERS FRAME INTO STEEL MEMBERS, PROVIDE A SADDLE CONNECTION.
- PROVIDE STIFFENER PLATES ON BOTH SIDES OF BEAM WEBS AT ALL CONCENTRATED LOADS ABOVE AND BELOW A BEAM. UNLESS NOTED OTHERWISE, FRAME THE LARGEST BEAM OVER COLUMNS AT BEAM TO BEAM INTERSECTIONS.

Commercial
- Industrial
- Residential
Easkay Architecture
Onalaska, WI 54650 Ph: 608-317-1565
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GENERAL CONTRACTOR:
Borton
CONSTRUCTION
2 Copeland Ave, Ste 201
LaCrosse, WI 54601

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING
PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

DATE / SET -TYPE

12/05/25 DESIGN SET

DRAWN BY:

REVISIONS

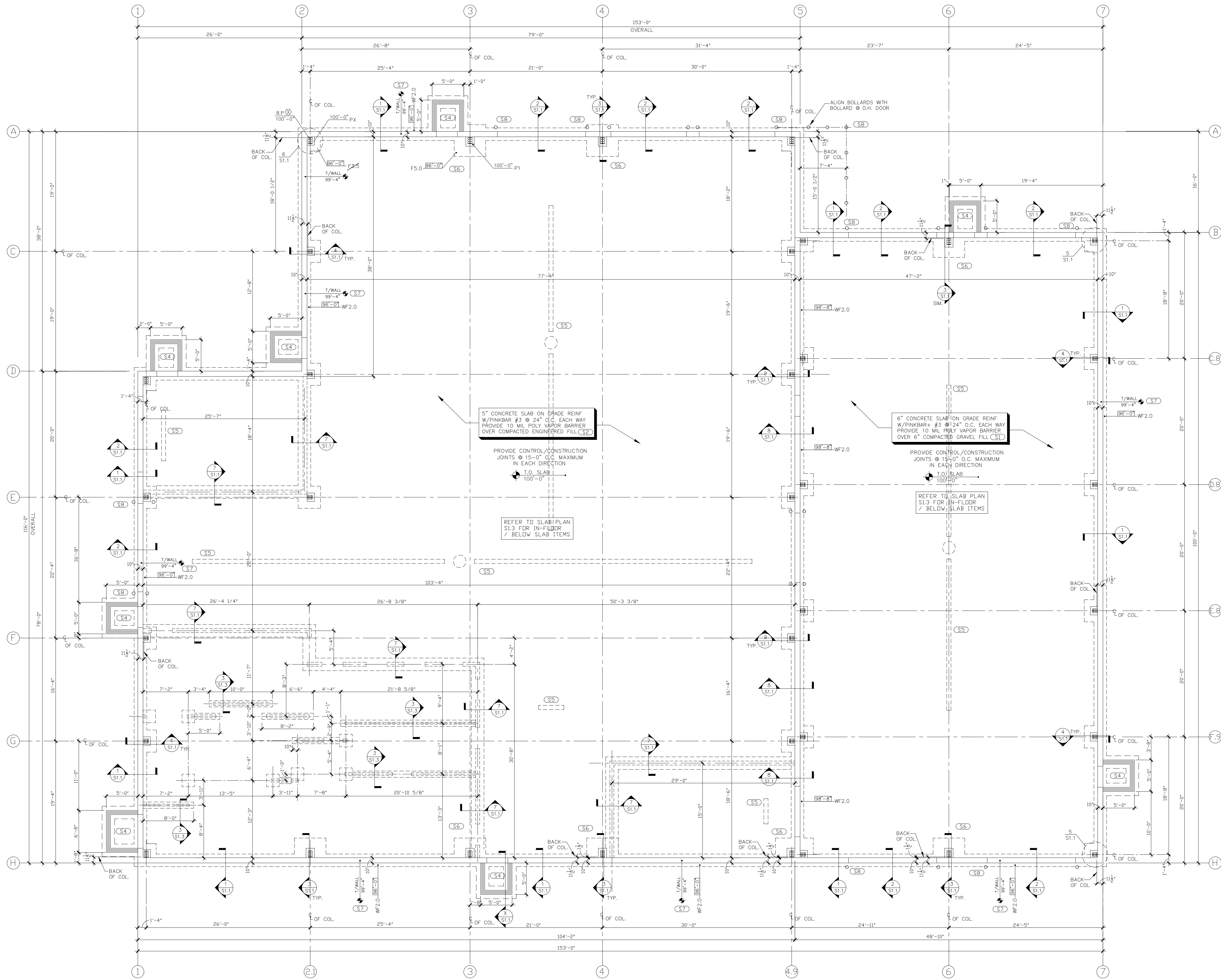
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SHEET TITLE

STRUCTURAL
SPECIFICATIONS

SHEET NO.

S0.1

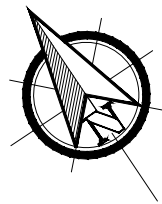


FOUNDATION GENERAL NOTES

- OBSERVE ALL STATE AND LOCAL CODES
- ALL REBAR USED SHALL BE CLEAN AND FREE OF OIL, DIRT OR OTHER CONTAMINANTS THAT WILL PREVENT COMPLETE BONDING TO THE CONCRETE.
- CONTRACTOR SHALL PROVIDE FROST AND MOISTURE PROTECTION FOR FOOTINGS EXPOSED DURING CONSTRUCTION.
- CENTER COLUMN AND WALL FOOTINGS IN CENTERLINE OF SUPPORTED MEMBER CENTERLINES UNLESS OTHERWISE NOTED.
- SLOPE SLABS TO FLOOR DRAINS FOR POSITIVE DRAINAGE WHERE APPLICABLE.

FOUNDATION KEYED NOTES:

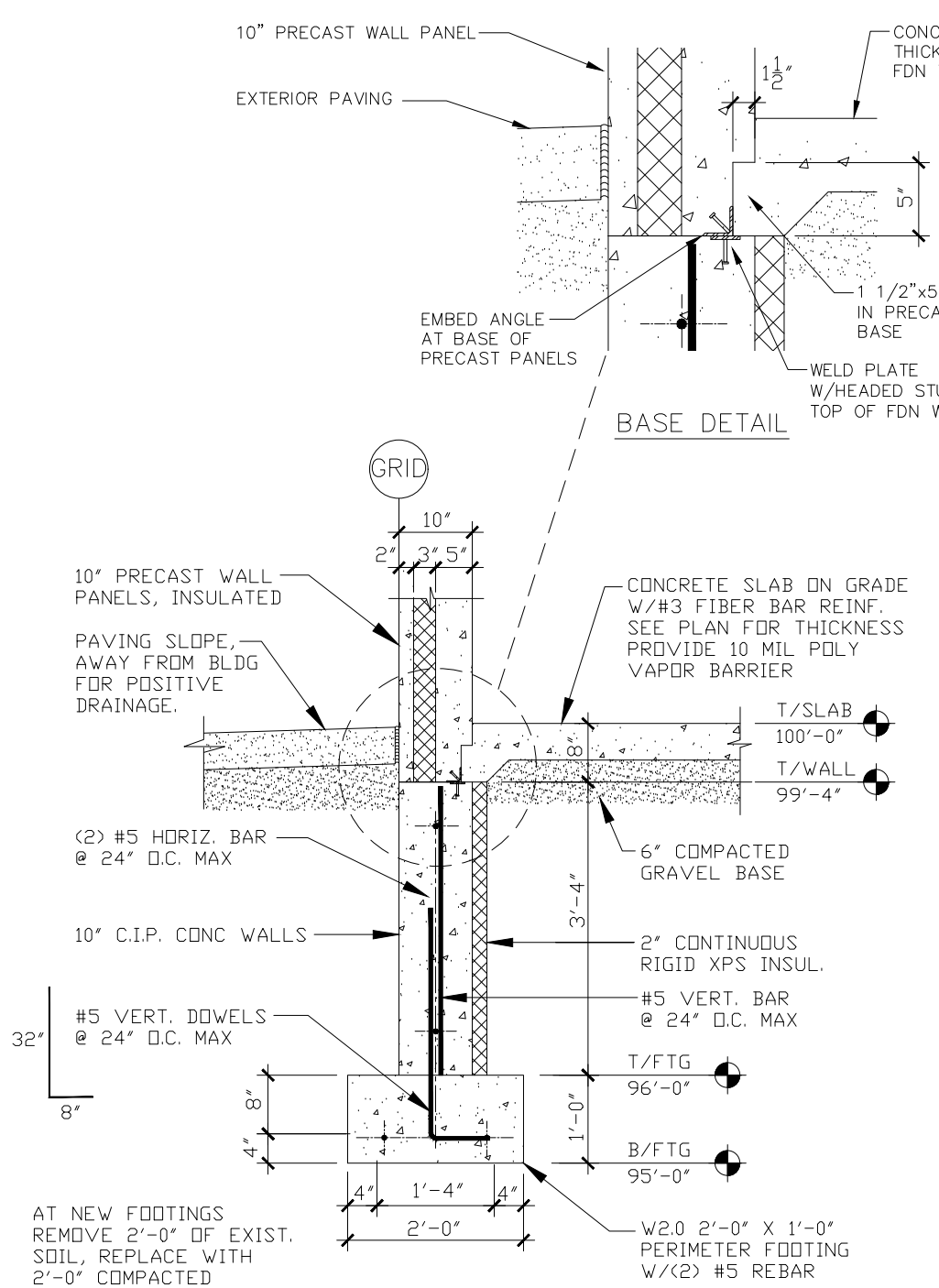
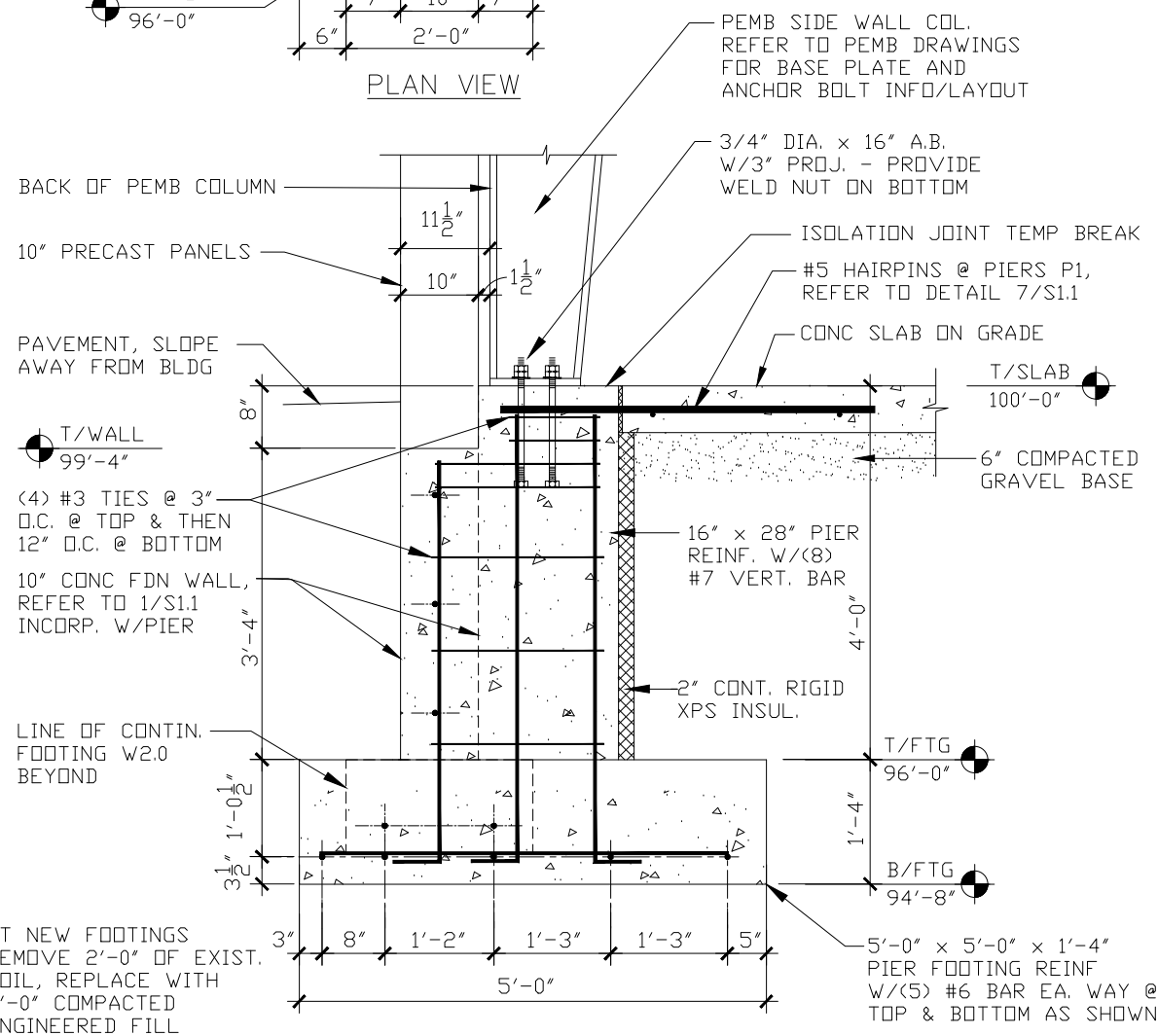
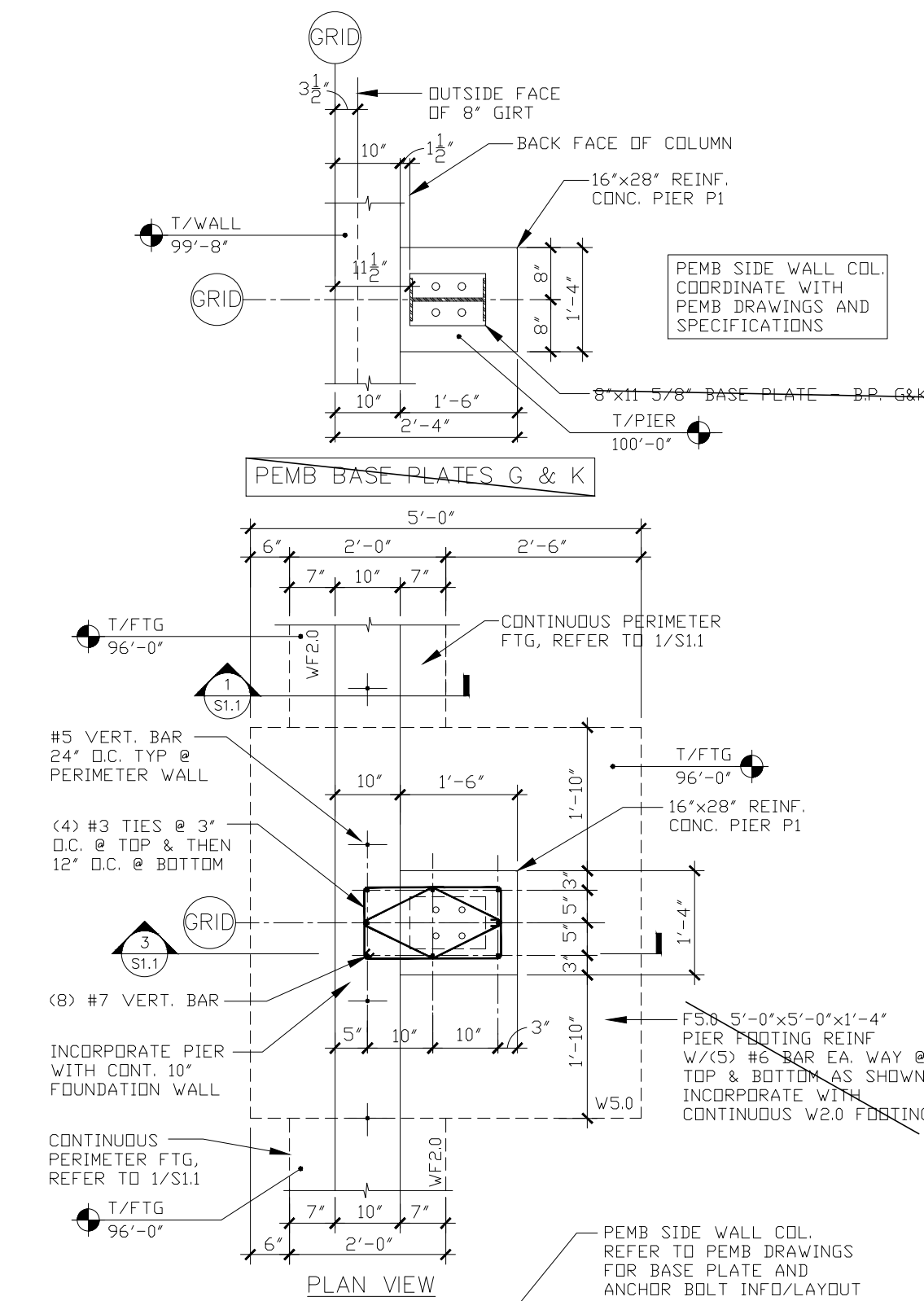
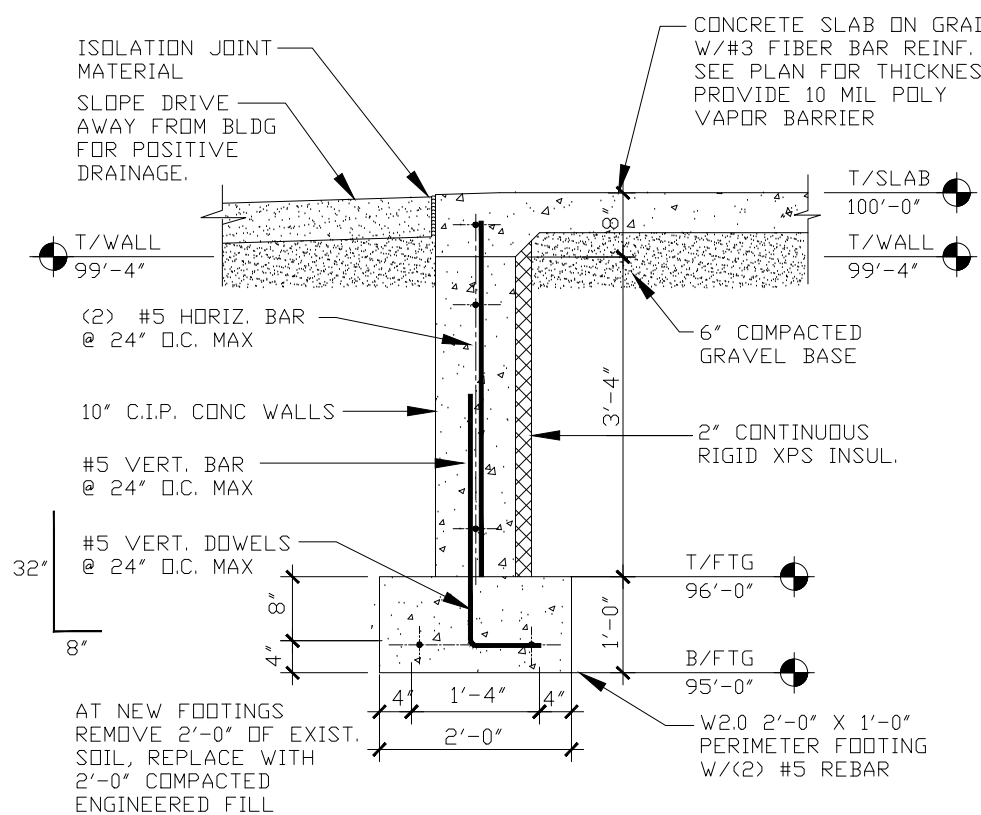
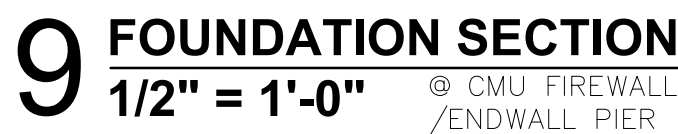
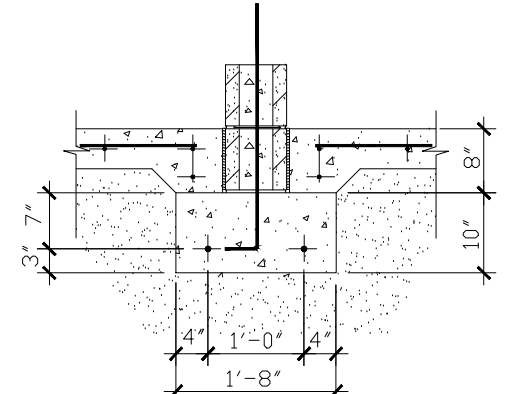
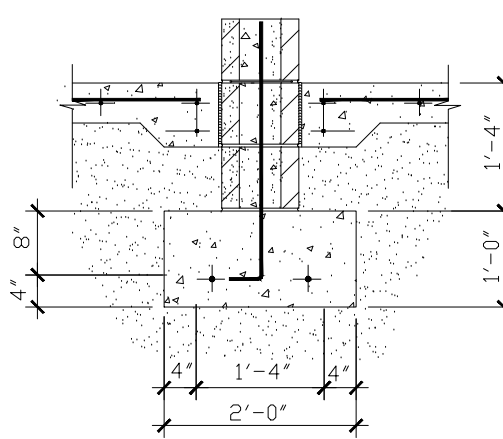
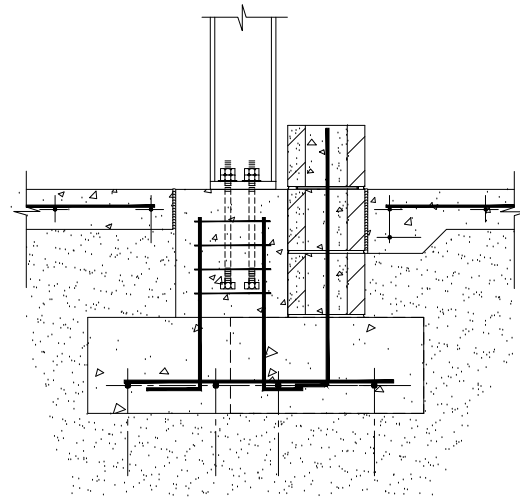
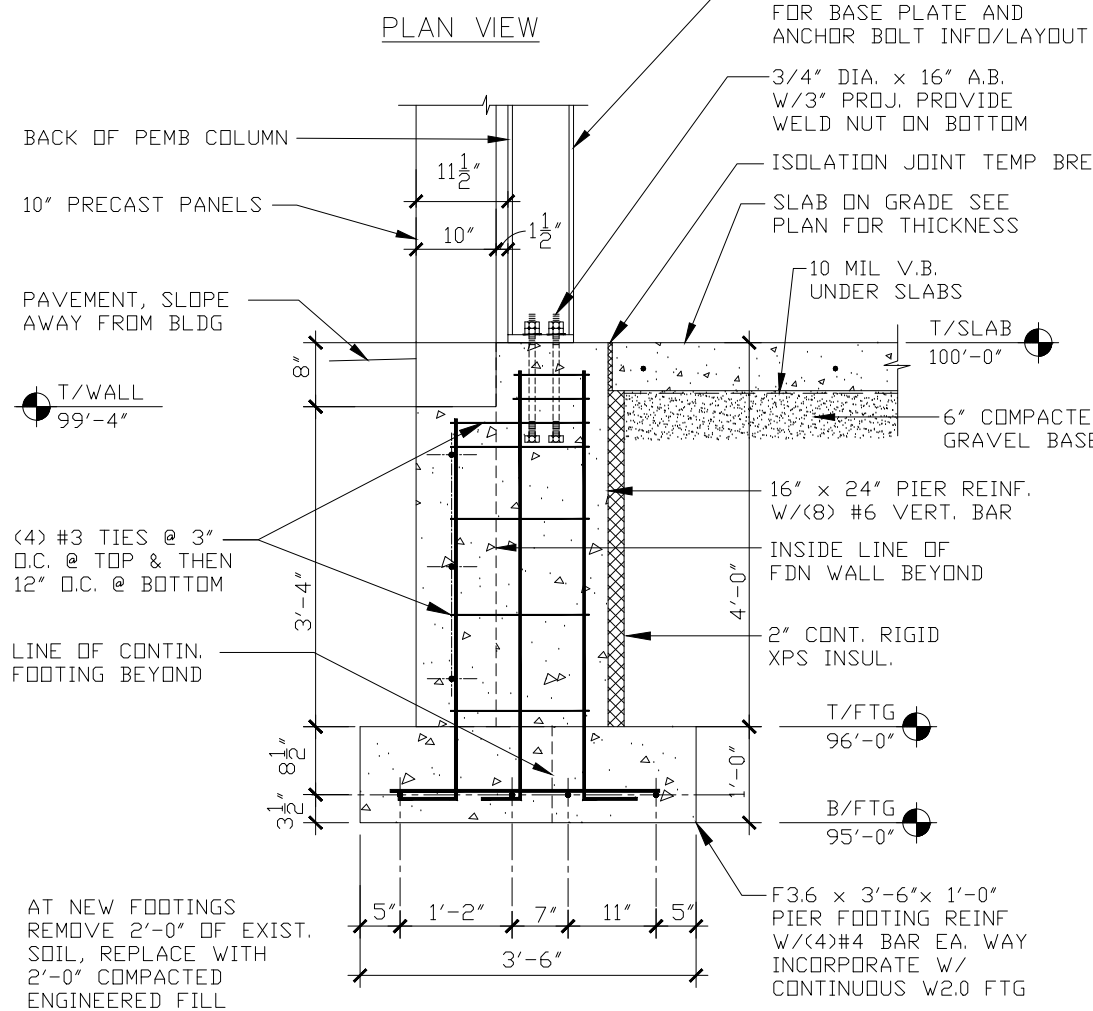
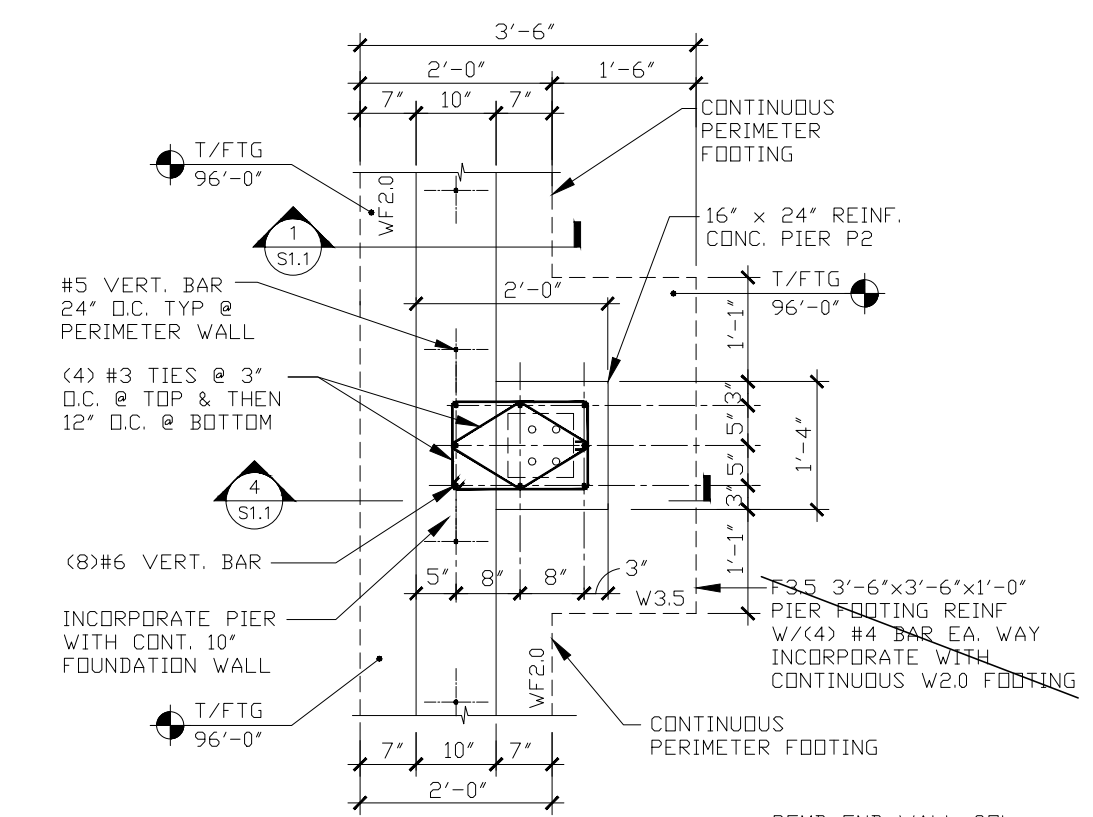
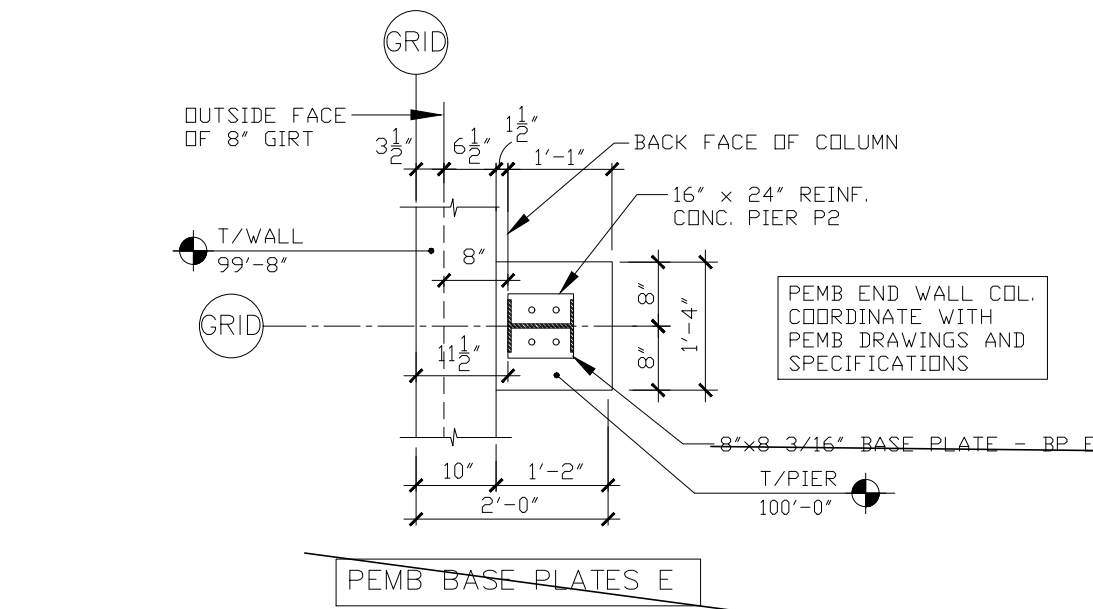
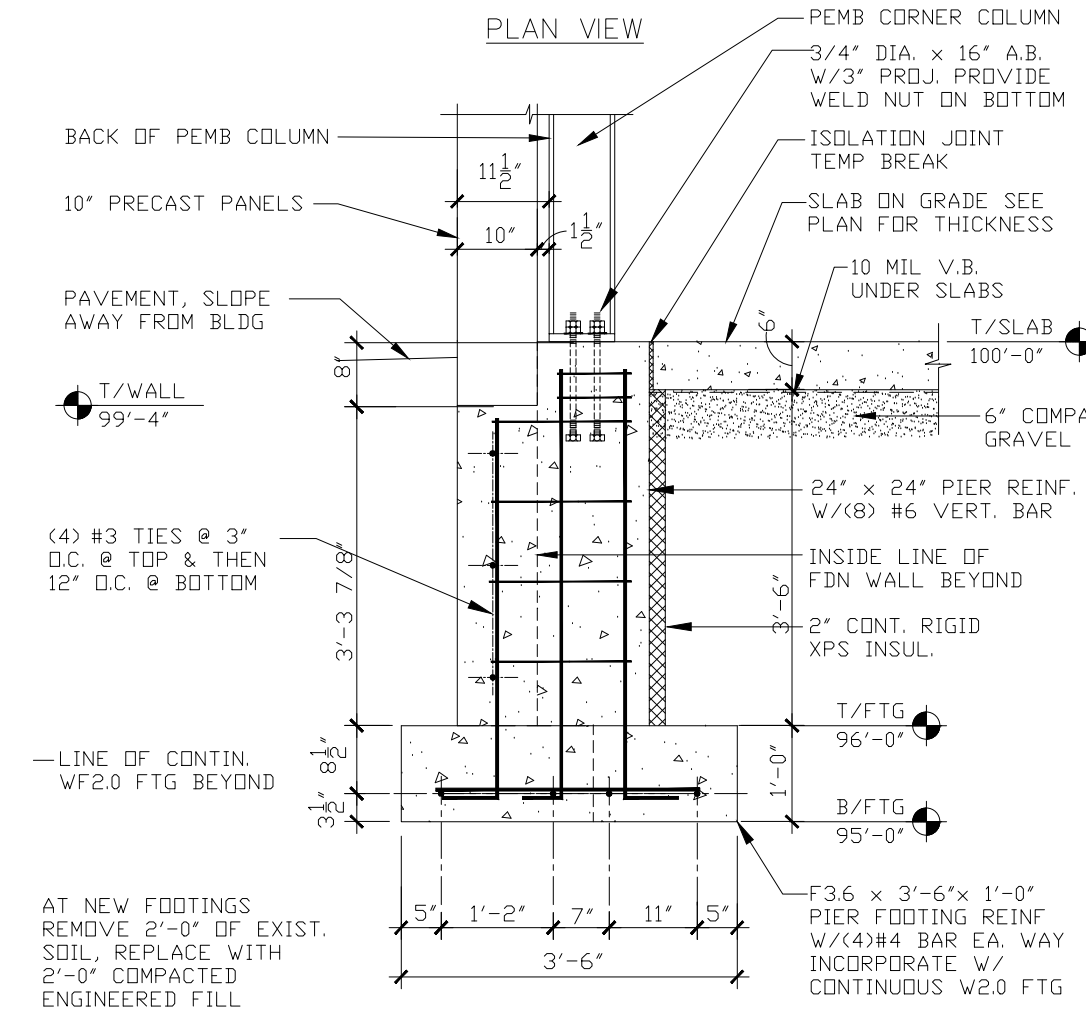
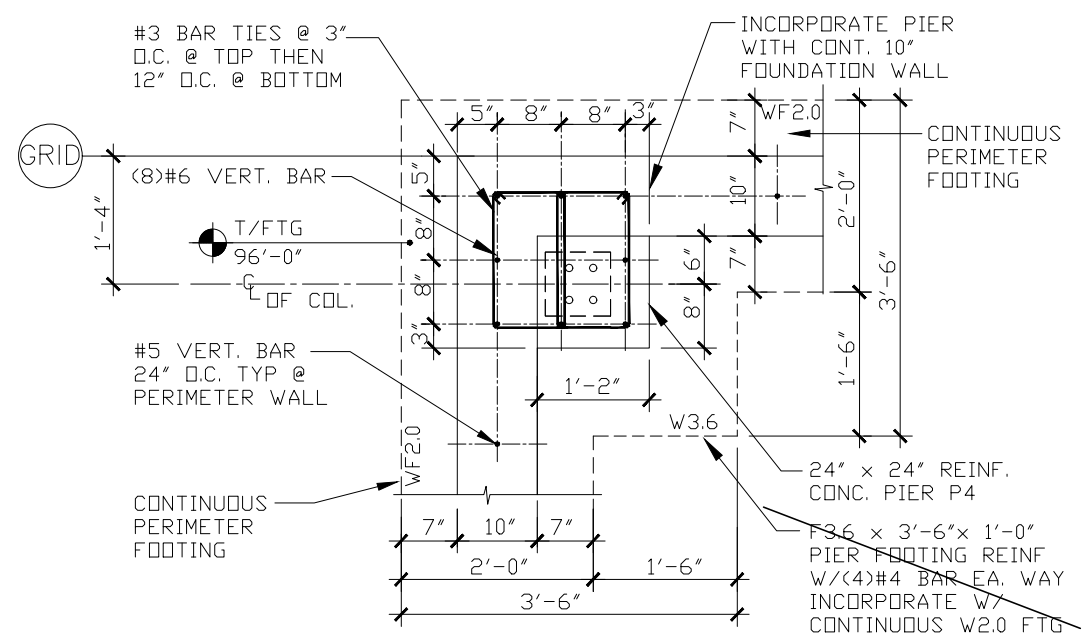
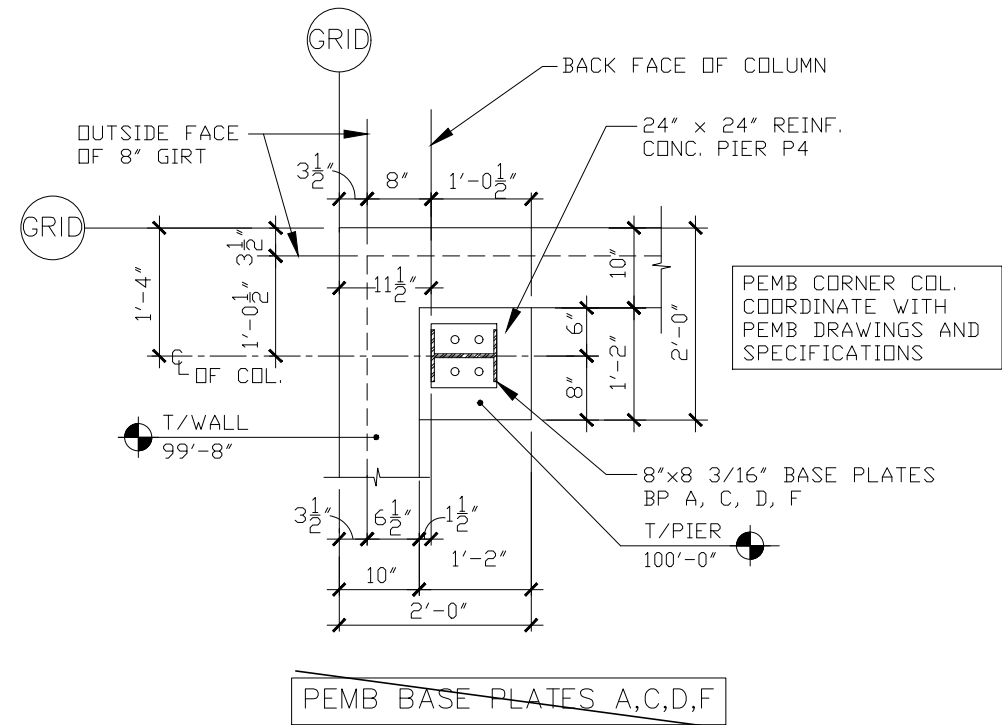
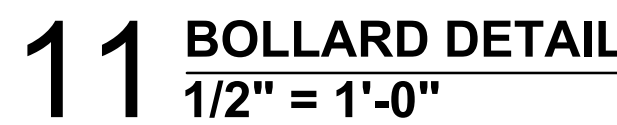
- (S1) HEAVY DUTY BAY = 6" POURED CONC. SLAB W/PINKBAR #3 @ 2'-0" O.C. EACH WAY, PROVIDE 10 MIL VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE, WET CURE SLAB WITH COVER FOR 7 DAYS.
- (S2) REPAIR SHOP, DYNO, CLEAN ROOM, & OFFICES = 5" POURED CONC. SLAB W/PINKBAR #3 @ 2'-0" O.C. EACH WAY, PROVIDE 10 MIL VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE, WET CURE SLAB WITH COVER FOR 7 DAYS.
- (S3) TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0", REFER TO 2/S1.3 - TYPICAL THROUGHOUT (SLAB CONSTRUCTION JOINT, WHERE APPLICABLE)
- (S4) PROVIDE MIN. 6" X 5' CONC. STOOP AT ALL DOORS, OFFSET TO OPERABLE SIDE AS SHOWN ON PLAN, PROVIDE FROST PIERS AND DOWELS TO FOUNDATION
- (S5) TRENCH DRAINS AND CLEAN OUT BASIN, COORDINATE WITH SLAB PLAN, REFER TO S1.3
- (S6) #7 HAIRPINS, REFER TO DETAIL X/S1.1
- (S7) HOLD DOWN TOP OF FOUNDATION WALL 8" FROM TOP OF SLAB FOR INSTALL OF EXTERIOR PRECAST WALL PANELS
- (S8) NEW 6" DIA CONC. FILLED STEEL BOLLARDS @ EACH SIDE O.H. DOORS - TYP. REFER TO X/S1.2



1 FOUNDATION PLAN
1/8"=1'-0"

REVISIONS
NO. DATE

BAR SIZE	3,000 PSI CONCRETE					4,000 PSI CONCRETE				
	DEVELOPMENT LENGTHS		CLASS "B" TENSION LAP SPLICE LENGTH		STD HOOK DEVELOPMENT LENGTH, L _{dh}	DEVELOPMENT LENGTHS		CLASS "B" TENSION LAP SPLICE LENGTH		STD HOOK DEVELOPMENT LENGTH, L _{dh}
	STANDARD	TOP BAR	STANDARD	TOP BAR		STANDARD	TOP BAR	STANDARD	TOP BAR	
#3	12"	13"	13"	17"	6"	12"	12"	16"	16"	6"
#4	14"	18"	18"	23"	8"	12"	15"	16"	20"	7"
#5	17"	22"	22"	28"	10"	15"	19"	19"	24"	9"
#6	20"	26"	26"	34"	12"	18"	23"	23"	29"	10"
#7	33"	43"	43"	55"	14"	29"	37"	37"	48"	12"
#8	42"	54"	54"	70"	16"	36"	47"	47"	61"	14"
#9	51"	66"	66"	86"	18"	44"	57"	57"	75"	15"
#10	63"	81"	81"	105"	20"	54"	70"	70"	91"	17"
#11	75"	97"	97"	126"	22"	65"	84"	84"	109"	19"

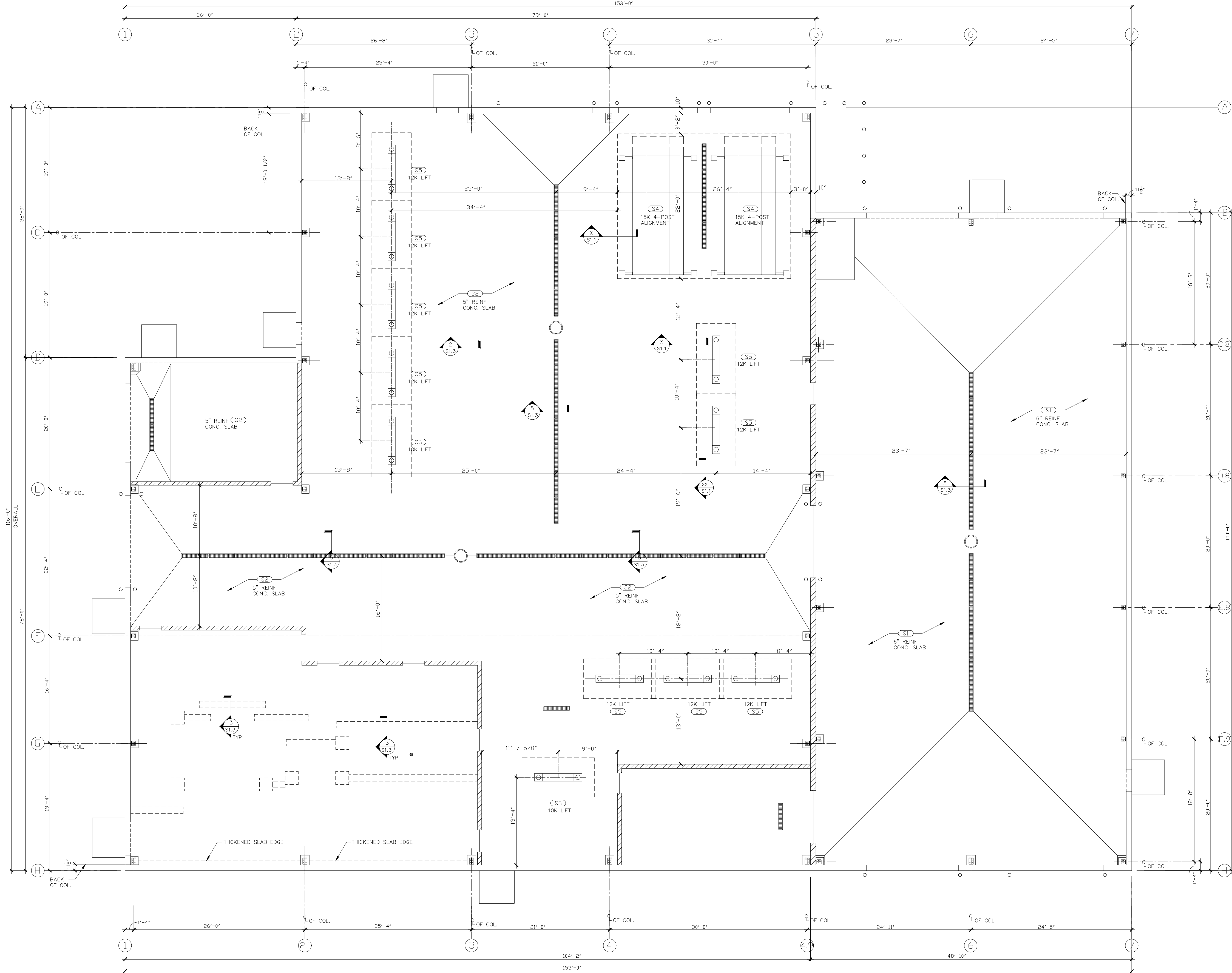
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2 SLAB CONTROL JOINTS

3 THICKENED SLAB FTG
3/4"=1'-0"

4 COLUMN BLOCK OUT DETAILS
NTS WHERE APPLICABLE - REFER TO PLAN

5 TRENCH DRAIN SECTION
NTS



1 SLAB PLAN
1/8"=1'-0"

SLAB GENERAL NOTES

1. OBSERVE ALL STATE AND LOCAL CODES
2. 4" POURED CONCRETE SLAB ON GRADE WITH FIBER REINF. PROVIDE 10 MIL POLY VAPOR BARRIER OVER 6" COMPACTED GRANULAR BASE. WET CURE SLAB WITH COVER FOR 7 DAYS
3. ALL REBAR USED SHALL BE CLEAN AND FREE OF OIL, DIRT OR OTHER CONTAMINANTS THAT WILL PREVENT COMPLETE BONDING TO THE CONCRETE.
4. SLOPE SLABS TO FLOOR DRAINS FOR POSITIVE DRAINAGE WHERE APPLICABLE.
5. TRENCH CUT SLAB AS REQUIRED FOR NEW PLUMBING INSTALL. PATCH TO MATCH ADJACENT SLAB
6. TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0". REFER TYPICAL THROUGHOUT (SLAB CONSTRUCTION JOINT, WHERE APPLICABLE)

SLAB KEYED NOTES:

- (S1) HEAVY DUTY BAY = 6" POURED CONC. SLAB W/PINKBAR+ #3 @ 2'-0" O.C. EACH WAY. PROVIDE 10 MIL VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE. WET CURE SLAB WITH COVER FOR 7 DAYS.
- (S2) REPAIR SHOP, DYNO, CLEAN ROOM, & OFFICES = 5" POURED CONC. SLAB W/PINKBAR+ #3 @ 2'-0" O.C. EACH WAY. PROVIDE 10 MIL VAPOR BARRIER UNDER SLAB, LAP AND TAPE ALL JOINTS, 6" MIN COMPACTED GRANULAR BASE. WET CURE SLAB WITH COVER FOR 7 DAYS.
- (S3) TYPICAL SLAB CONTROL JOINT MAX SPACING 15'-0". REFER TO 2/S1.3 - TYPICAL THROUGHOUT (SLAB CONSTRUCTION JOINT, WHERE APPLICABLE) COORDINATE LOCATIONS WITH IN SLAB EQUIPMENT AND IN SLAB HEATING.
- (S4) RECESSED LIFT EQUIPMENT: LIFT 1 CL CHALLENGER 15K 4-POST ALIGNMENT 4115 SERIES 28'-4" W x 22'-0" L x 0'-7" D PIT. REFER TO MFR. SPECIFICATIONS FOR INSTALL REQUIREMENTS. VERIFY ALL DIMENSIONS, LOCATIONS, SPACING, AND LAYOUT FOR LIFTS BEING INSTALLED.
- (S5) RECESSED LIFT EQUIPMENT: LIFT 2 CL CHALLENGER EV1220 12K INGROUND LIFT. 6'-0"x11'-0" HOLD OUT IN SLAB. 9" PIT DEPTH. COORDINATE PVC CHASE LOCATION IN SLAB TO CONTROL EQUIPMENT. REFER TO MFR. SPECIFICATIONS FOR INSTALL REQUIREMENTS. VERIFY ALL DIMENSIONS, LOCATIONS, SPACING, AND LAYOUT FOR LIFTS BEING INSTALLED.
- (S6) RECESSED LIFT EQUIPMENT: LIFT 3 CL CHALLENGER EV1020 10K INGROUND LIFT. 6'-0"x11'-0" HOLD OUT IN SLAB. 9" PIT DEPTH. COORDINATE PVC CHASE LOCATION IN SLAB TO CONTROL EQUIPMENT. REFER TO MFR. SPECIFICATIONS FOR INSTALL REQUIREMENTS. VERIFY ALL DIMENSIONS, LOCATIONS, SPACING, AND LAYOUT FOR LIFTS BEING INSTALLED.
- (S7) REFER TO MFR. SPECIFICATIONS FOR INSTALL REQUIREMENTS. VERIFY ALL DIMENSIONS, LOCATIONS, SPACING, AND LAYOUT FOR LIFTS BEING INSTALLED.
- (S8) NEENAH TRENCH DRAIN MODEL #

GENERAL CONTRACTOR:

PROJECT TITLE:
DEL'S SERVICE CENTER
15,980 S.F. BUILDING

PROJECT LOCATION:
4001 N. KINNEY COULEE RD
LACROSSE, WI 54601

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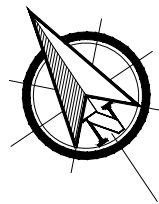
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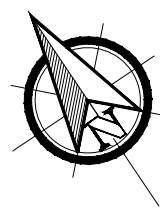
SLAB PLAN &
DETAILS

SHEET NO.

S1.3

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REFER TO PRE-ENGINEERED
METAL BUILDING DESIGN
PLANS FOR ROOF FRAMING
INFORMATION