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## Mobil Mart Interior and Exterior Alteration 10636 W BLUEMOUND RD WAUWATOSA WI

SCALE  
**VARIABLES**



TITLE SHEET

**A100**

**SCOPE OF WORK :**

- REMOVAL OF EXISTING PRECAST CONCRETE ROOF PANELS AND REPLACEMENT WITH WOOD TRUSSES AND A NEW ROOF.
- REPLACEMENT OF EXISTING OVERHEAD DOORS WITH MASONRY WALLS ON BOTH THE EAST AND WEST WALLS.
- INTERIOR ALTERATIONS, INCLUDING CONSTRUCTION OF A NEW ADA-COMPLIANT BATHROOM, POS AREA, NEW FLOORING, AND A NEW OFFICE.

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES SHALL BE:

- CLASS A: FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450
- CLASS B: FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450
- CLASS C: FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450

INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH TABLE 803.9 WITH A MINIMUM RATING OF CLASS C.

INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS SHALL COMPLY WITH THE DOC FF-1 "PILL TEST".

CONTRACTOR IS RESPONSIBLE TO CHECK AND VERIFY IN THE FIELD ALL SIZES AND DIMENSIONS INVOLVING THE EXISTING STRUCTURE AND COORDINATE WITH NEW CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL PERMITS AND INSPECTION NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH APPLICABLE CODES AND GOVERNING REGULATIONS.

THE WORK SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS AS WELL AS THE DRAWINGS AND SPECIFICATIONS. ANY CODE DEFICIENCIES IN THE DRAWINGS RECOGNIZED BY THE CONTRACTOR SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.

THE CONTRACTOR SHALL VERIFY THE SIZES AND LOCATIONS OF ALL MECHANICAL AND ELECTRICAL EQUIPMENT PADS AND BASES, AS WELL AS POWER, WATER AND DRAIN REQUIREMENTS FOR SUCH EQUIPMENT WITH EQUIPMENT MFG. DEVIATION OF THE AFOREMENTIONED REQUIREMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.

ALL WALL WIDTHS ARE SHOWN AND DIMENSIONED WITH NOMINAL DIMENSIONS. (I.E. 8" CMU = 7 5/8"). DIMENSIONS FOR FRAMED WALLS ARE SHOWN TO FACE OF STUDS AND/OR FACE OF BLOCK.

FIRE EXTINGUISHERS WITH A MINIMUM 2-A RATING PER NFPA 10 SHALL BE PROVIDED, INSTALLED AND MAINTAINED AS REQUIRED BY LOCAL GOVERNING CODES. THE NUMBER AND TYPE OF EXTINGUISHER SHALL BE DETERMINED BY THE LOCAL FIRE DEPARTMENT AND THE LANDLORD'S INSURANCE CARRIER. MAXIMUM TRAVEL DISTANCE TO EXTINGUISHERS SHALL BE 75 FEET. FIRE EXTINGUISHERS SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.

UNLESS OTHERWISE NOTED OR SHOWN, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF ANY INSERTS, HANGERS, ANCHOR BOLTS, HOLES OR PIPE SLEEVES THAT ARE REQUIRED BY THE MECHANICAL, ELECTRICAL OR PLUMBING EQUIPMENT.

ALL DIMENSIONS ON STRUCTURAL DRAWINGS ARE TO BE CHECKED BY THE CONTRACTORS AGAINST ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. CONTRACTORS SHALL BE FULLY RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS AND RESPECTIVE TRADES. THIS PROJECT IS BEING DESIGNED AND CONSTRUCTED UTILIZING A DESIGN / BUILD DELIVERY PROCESS FOR THE MAJOR SUBCONTRACTOR TRADES OF MECHANICAL (HVAC), ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS.

EACH SUBCONTRACTOR IS RESPONSIBLE TO SUBMIT PLANS AND OBTAIN PERMITS FOR THEIR RESPECTIVE SPECIALTY TRADES. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE ALL WORK WITHIN THE SCOPE OF THIS PROJECT FOR SYSTEMS INSTALLATION, INTERFERENCE CONTROL AND PROJECT CONSTRUCTION SCHEDULE.

DRAWINGS ARE NOT TO BE USED FOR SHOP DETAILING OR FOR CONSTRUCTION UNLESS SPECIFICALLY STAMPED BY THE ARCHITECT / ENGINEER ON THE DRAWINGS "FOR DETAILING" OR "FOR CONSTRUCTION". THESE DRAWINGS ARE NOT TO BE REPRODUCED FOR THE PURPOSE OF USING THEM AS SHOP DRAWINGS.

UNLESS OTHERWISE NOTED OR SHOWN, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF ANY INSERTS, HANGERS, ANCHOR BOLTS, HOLES OR PIPE SLEEVES THAT ARE REQUIRED BY THE MECHANICAL, ELECTRICAL OR PLUMBING EQUIPMENT.

ALL WORK TO BE IN ACCORDANCE WITH SPS 361.05., ANSI A117.1 AND CITY OF MILWAUKEE ORDINANCES CH 290 & CH 295

**CODE INFORMATION :**

**REFERENCED CODES ARE:**  
IBC 2015; IBC 2015; ICC/ANSI A117.1-2003  
DCF 251

**OCCUPANCY CLASSIFICATION:**  
M

**TYPE OF CONSTRUCTION:**  
TYPE IIIB (CHAPTER 6); MASONRY BRICK EXTERIOR WITH PERMITTED INTERIOR WALLS

**CLASSIFICATION OF WORK:**  
INTERIOR AND EXTERIOR ALTERATION LEVEL 3 AND 2

**ACTUAL BUILDING FLOOR AREA:**  
GRADE LEVEL NEW FLOOR AREA = 1720 SQ.FT.  
BUILDING IS NOT EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM (NFPA 13)  
ALLOWABLE HEIGHT AND BUILDING AREA (TABLE 503): 55 FEET  
OCCUPANCY GROUP M, 1 STORY, FLOOR AREA PER STORY, BUILDING HEIGHT PROVIDED 16 FEET

**FIRE-RESISTANCE RATING REQUIREMENTS (TABLE 601 & 602):**  
PRIMARY STRUCTURAL FRAME 0 HOUR RATING  
BEARING WALLS (EXTERIOR) 2 HOUR RATING  
BEARING WALLS (INTERIOR) 0 HOUR RATING  
NONBEARING WALLS & PARTITIONS (EXTERIOR)  
FIRE SEPARATION DISTANCE 0-5 FT. 2 HOUR RATING  
FIRE SEPARATION DISTANCE 5-10 FT. 1 HOUR RATING  
FIRE SEPARATION DISTANCE 10-30 FT. NONE  
FIRE SEPARATION DISTANCE > 30 FT. 0 HOUR RATING  
NONBEARING WALLS & PARTITIONS (INTERIOR) -- 0 HOUR RATING  
FLOOR CONSTRUCTION & SECONDARY MEMBERS 0 HOUR RATING  
ROOF CONSTRUCTION & SECONDARY MEMBERS 0 HOUR RATING

**OCCUPANT LOAD (PROPOSED TENANT AREA OF 1720 SQ.FT.):**  
MERCANTILE AREA 1720 SQ.FT @ 60 SQ. FT PER OCCUPANCY = 29 OCCUPANTS ( IBC 1004.3)

**SPRINKLER SYSTEM IS NOT REQUIRED**

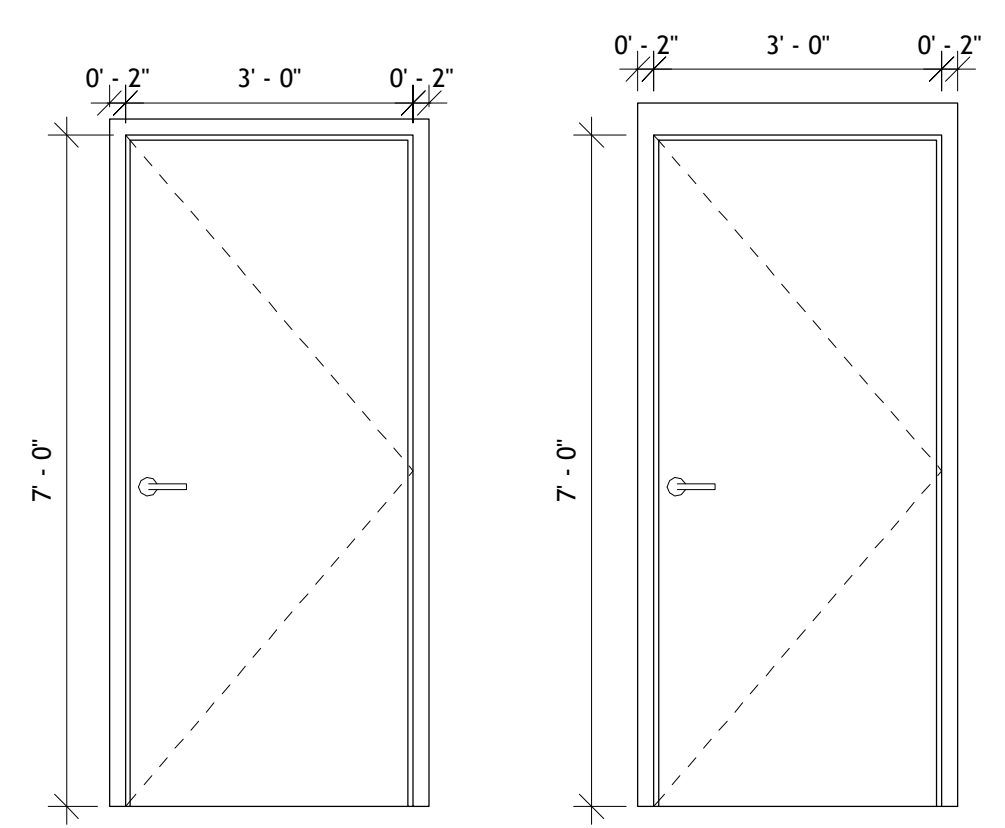
**MEANS OF EGRESS:**  
OCCUPANCY LOAD: TABLE 1004.1.2  
EXIT WIDTH REQUIRED: 29 @ 0.2 INCHES = 6")  
EXIT WIDTH PROVIDED: 36" + 36" = 72" INCHES

**PLUMBING FIXTURE REQUIREMENTS: 51 OCCUPANTS**  
TOILETS :  
WATER CLOSETS REQUIRED: 1 PER 500, THEREFORE 1 REQUIRED  
WATER CLOSETS PROVIDED: 1 WATER CLOSET  
LAVATORIES:  
LAVATORIES REQUIRED: 1 PER 750, THEREFORE 1 REQUIRED  
LAVATORIES PROVIDED: 1 LAVATORY

**SERVICE SINKS:**  
SERVICE SINKS REQUIRED: 1 SINK  
SERVICE SINKS PROVIDED: 1 SINK  
FIRE PROTECTION CONSTRUCTION:  
903.2.1.3 GROUP M OCCUPANCY. SPRINKLER SYSTEM IS NOT PROVIDED



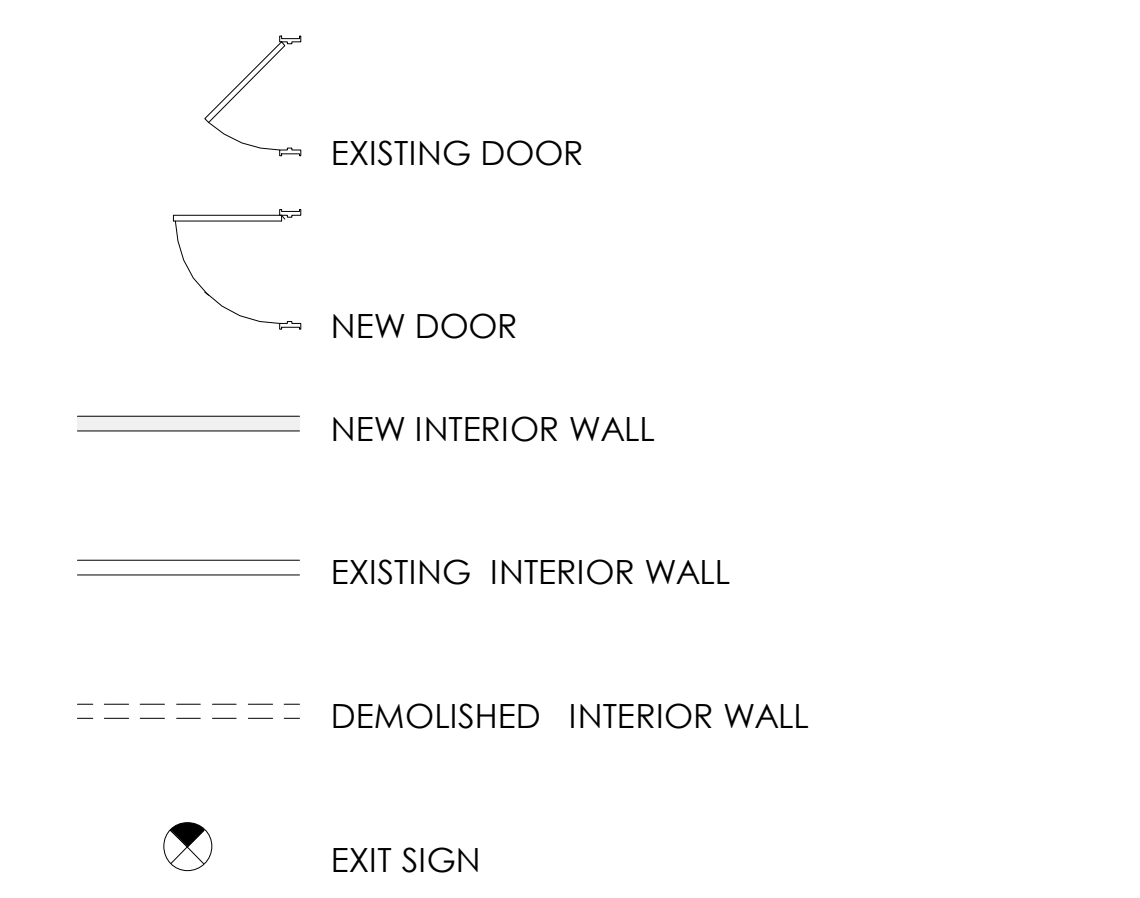
1 Proposed Front Elevation  
1/8" = 1'-0"



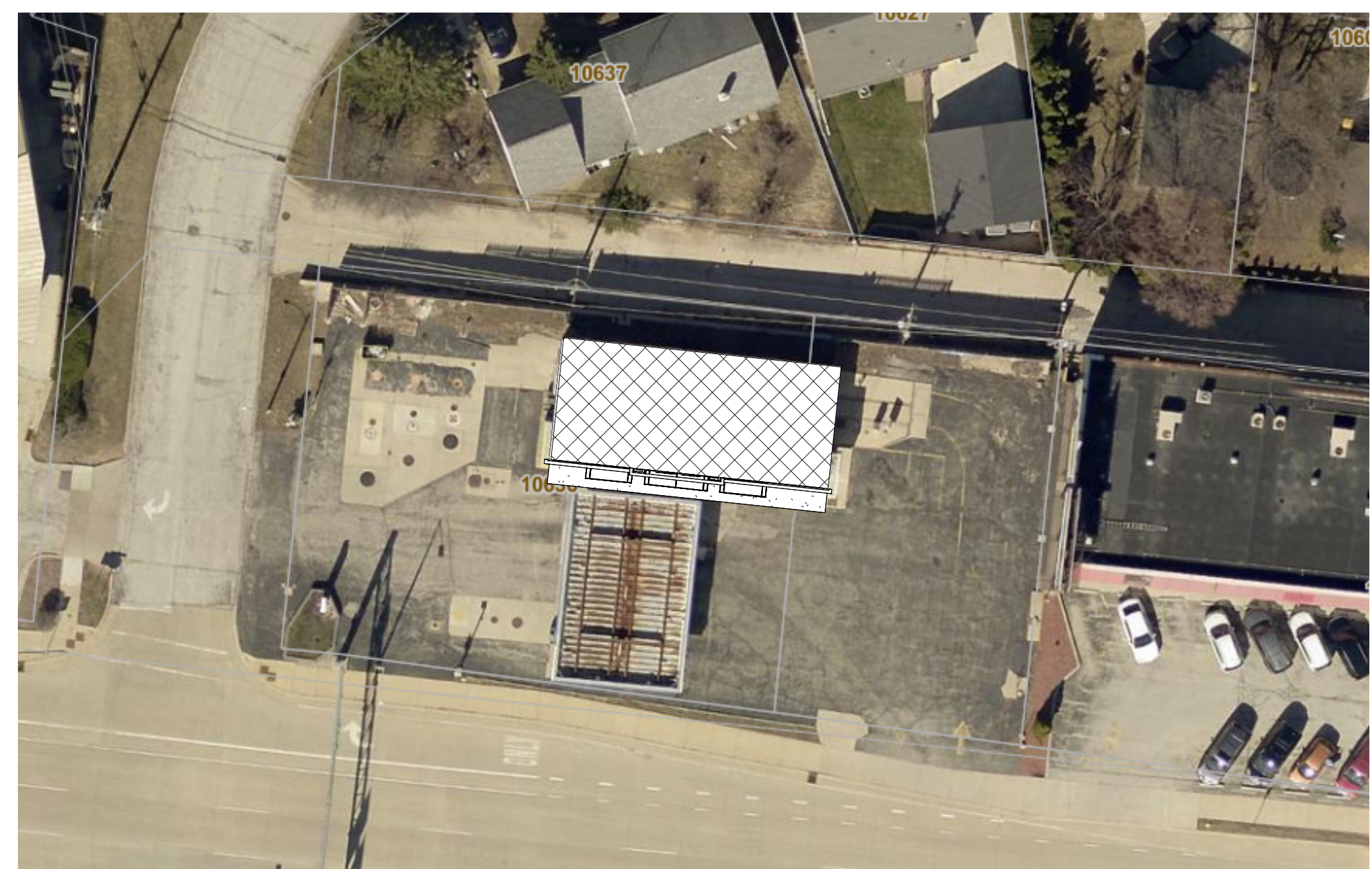
1 3/4" SOLID CORE WOOD DOOR FLUSH PANEL  
5 - PLY FACE VENEER  
HM FRAME

COMMERCIAL HOLLOW METAL DOORS & FRAMES  
1-3/4" THICK  
18 GAUGE COLD ROLLED STEEL  
INSULATED POLYSTYRENE CORE  
FIRE RATING : 1HR  
INSULATION U FACTOR: 0.26

4 DOORS STANDARDS  
1/2" = 1'-0"

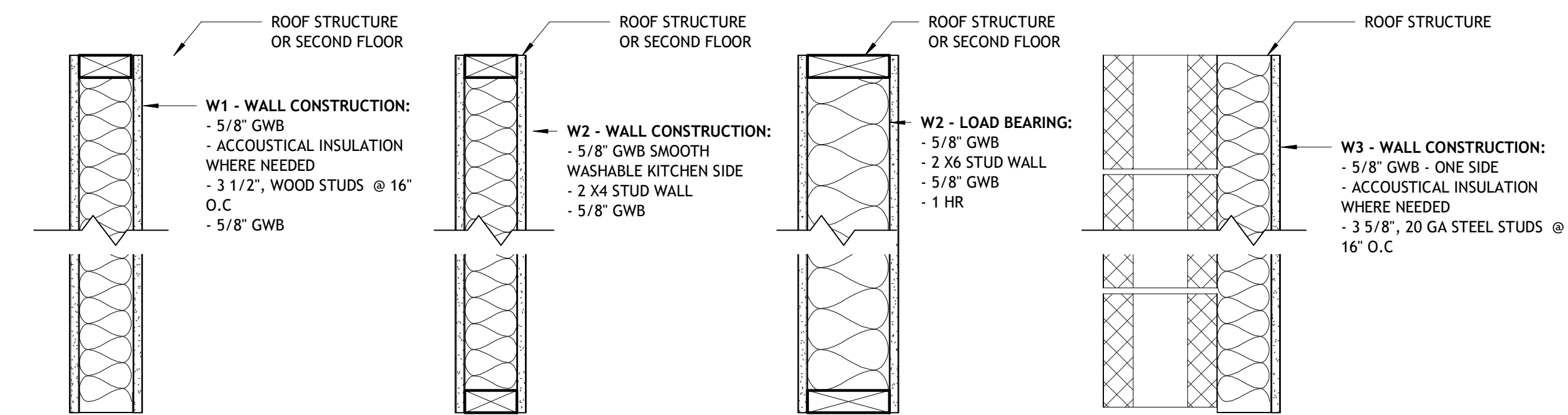


3 KEY  
3/16" = 1'-0"



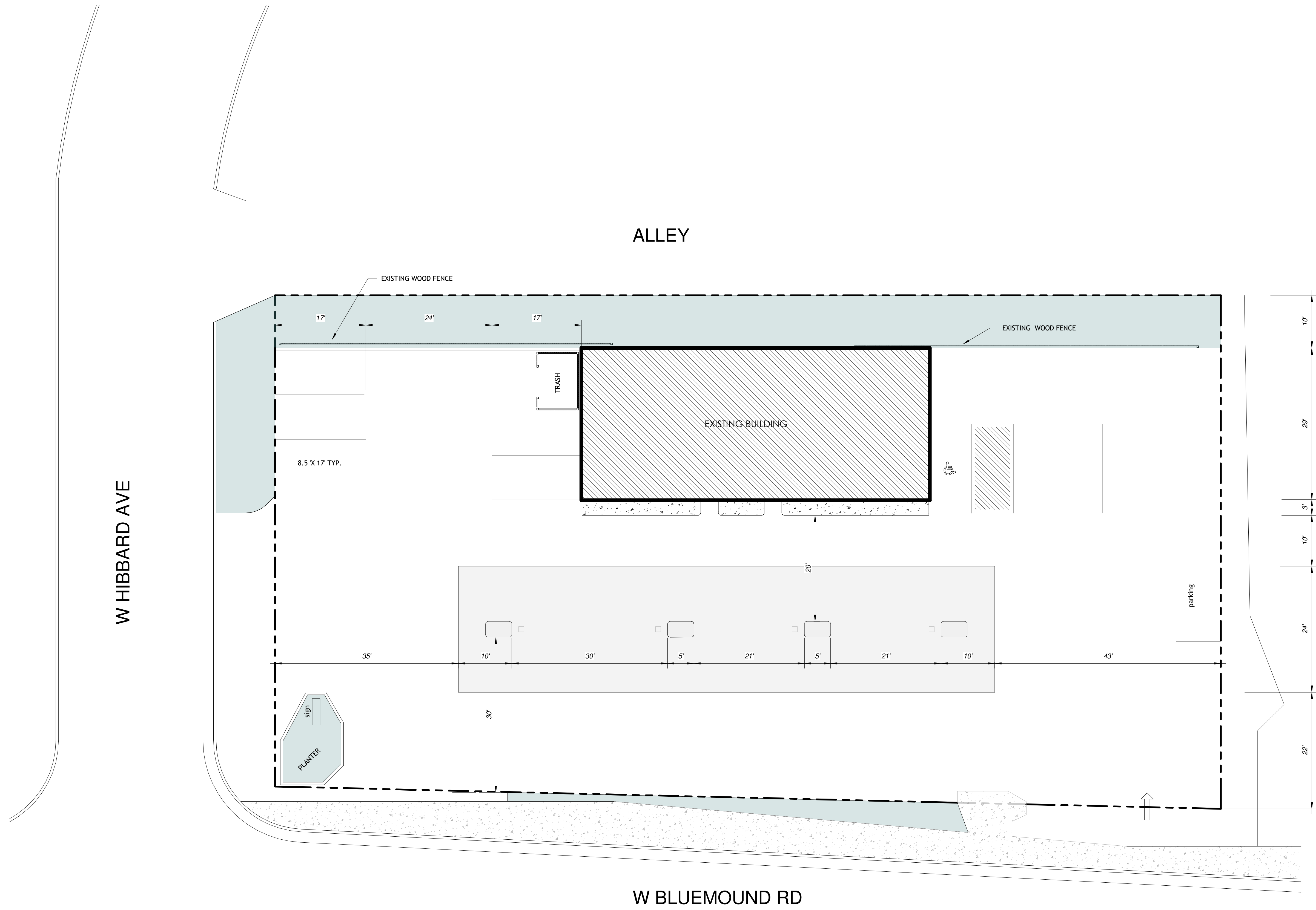
SITE DATA :  
PARKING AREA : 19300 SQ.FT ( APPROX.)  
BUILDING : 1900 SQ.FT ( 65' x 30')  
BUILDING HEIGHT : 13'  
FUEL CANOPY : 1260 SQ.FT  
TOTAL PARKING SPACES: 5

2 Site Plan TN  
1" = 30'-0"



5 WALLS SECTION TYPES  
1 1/2" = 1'-0"

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① Site Plan  
1" = 10'-0"

**Mobil Mart**  
**Interior and Exterior Alteration**  
10636 W BLUEMOUND RD  
WAUWATOSA WI

SCALE  
VARIES



SITE PLAN

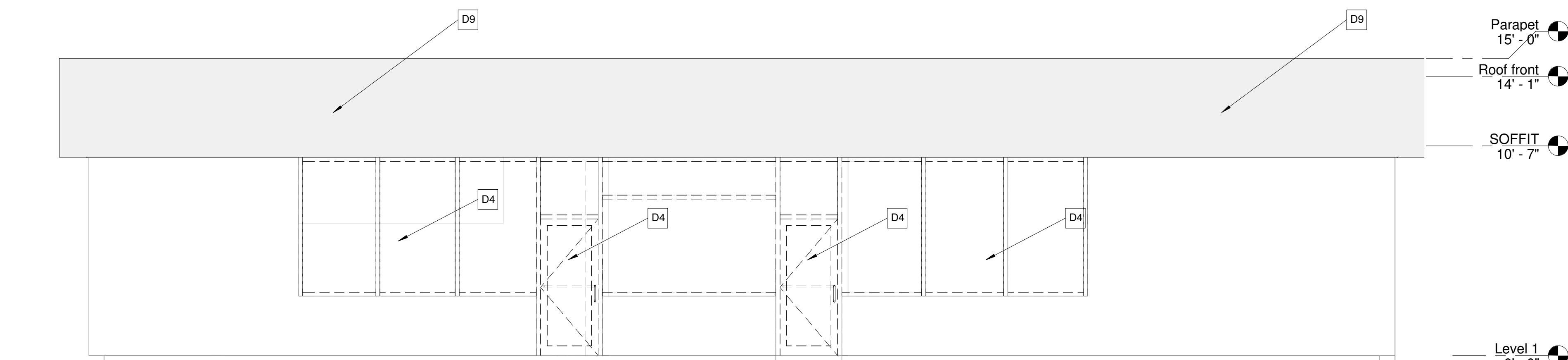
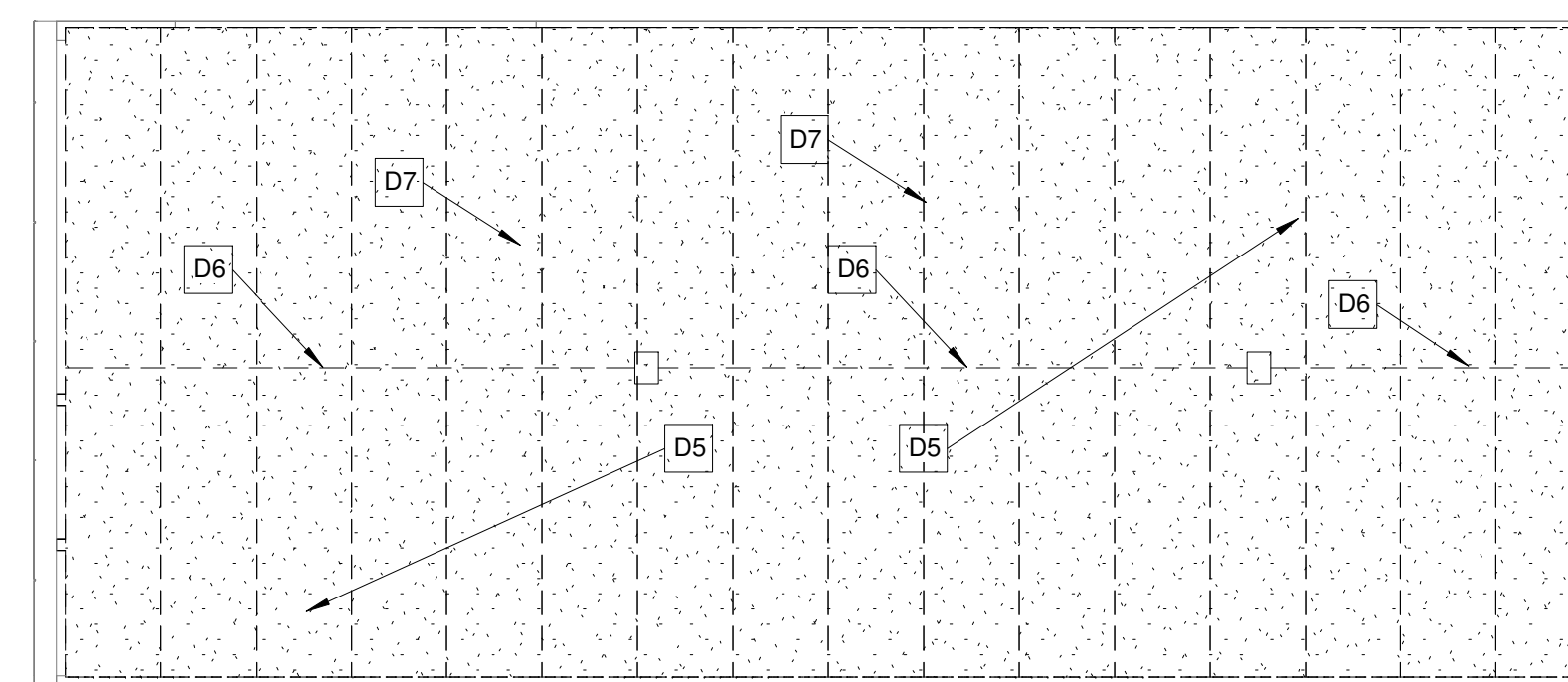
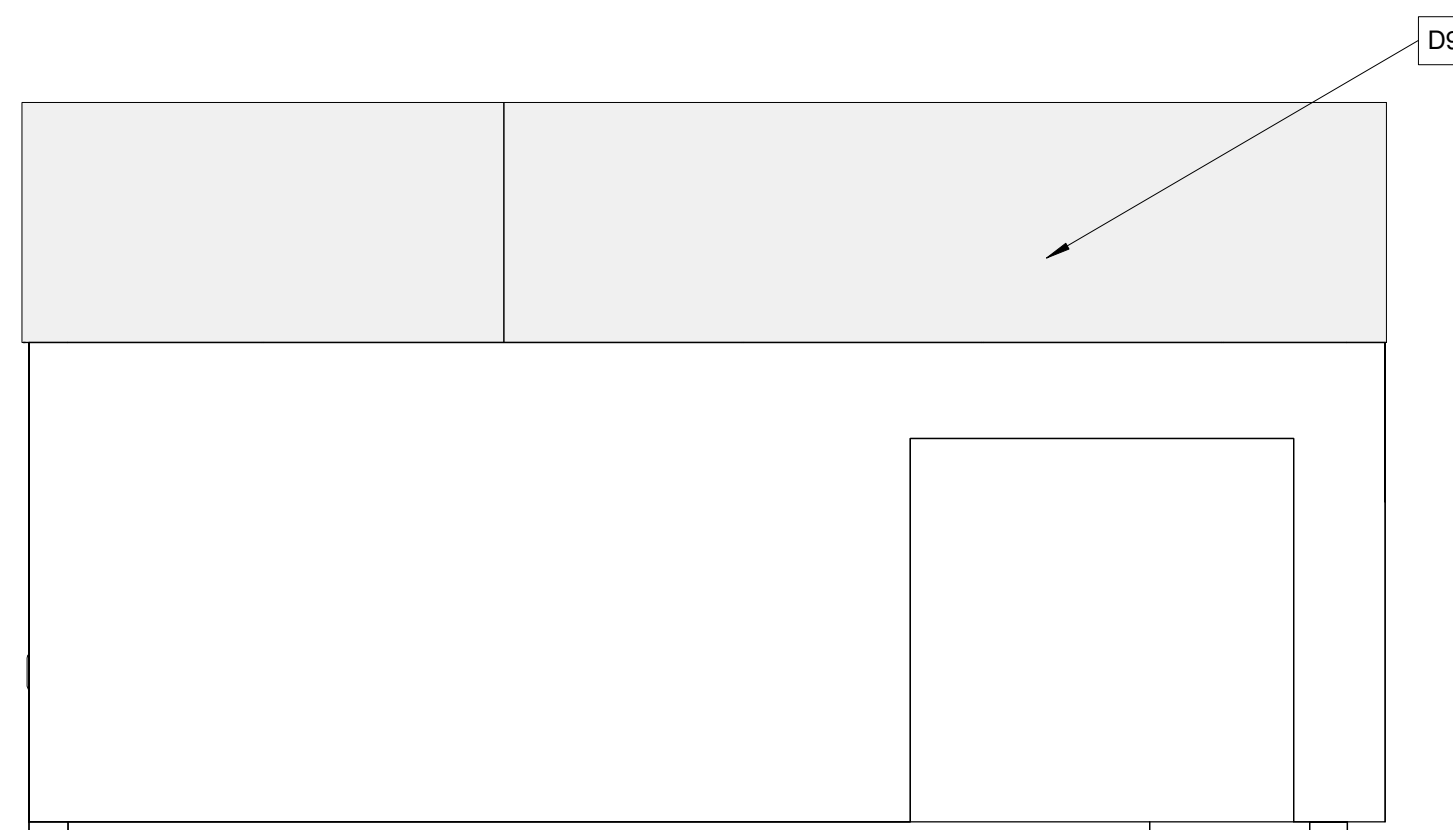
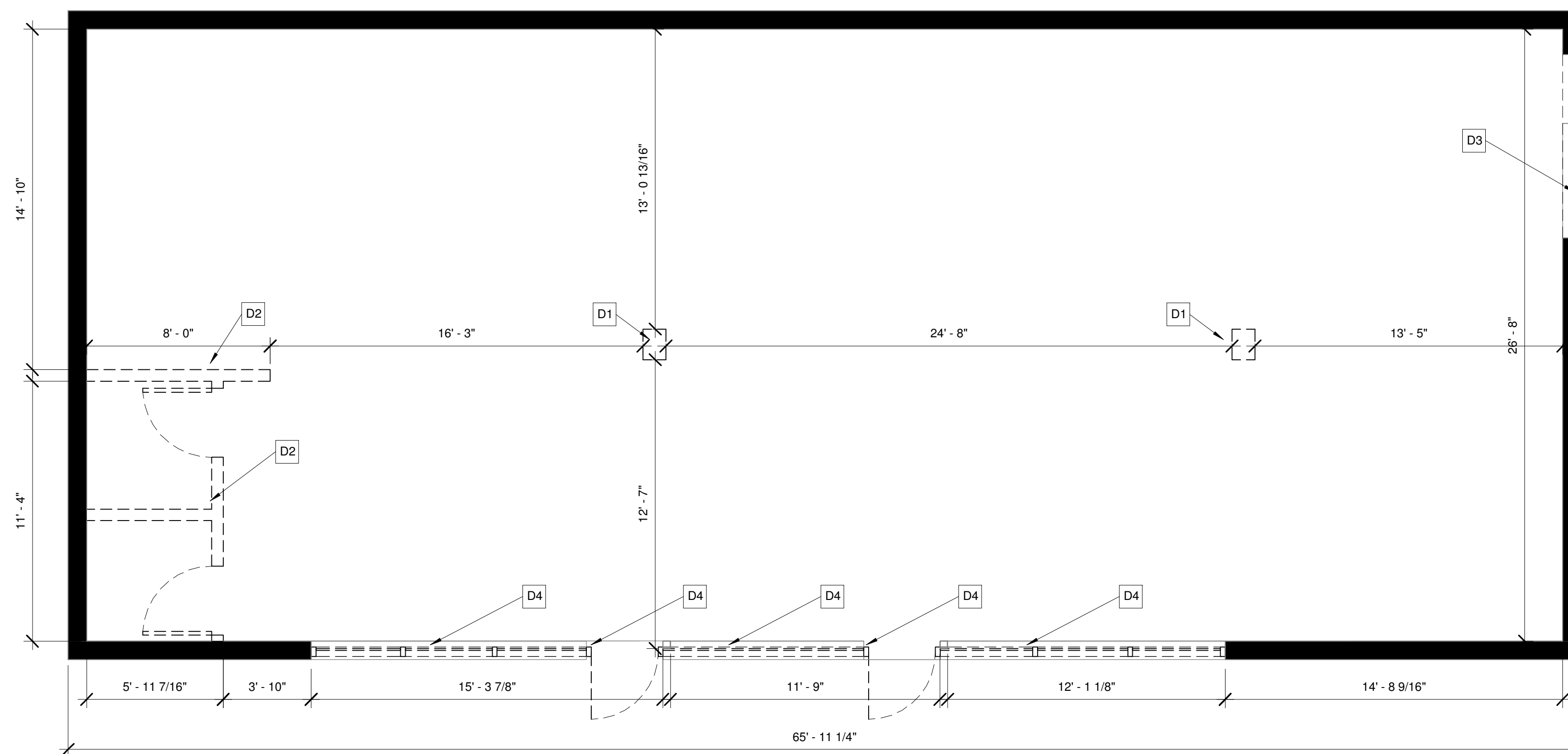
A100.1

# DEMO NOTES

| label number | label text                                                                                    |
|--------------|-----------------------------------------------------------------------------------------------|
| 1            | EIFS CROWN ON WOOD FRAMING                                                                    |
| 2            | THERMALLY Y-BROCKEN ANODIZED ALUMINUM WINDOW. 1" LOW-E INSULATING GLAZING.                    |
| 2A           | THERMALLY Y-BROCKEN ANODIZED ALUMINUM DOOR. 1" LOW-E INSULATING GLAZING.                      |
| 3            | PAINT EXISTING WHITE CMU WITH DARK GRAY COLOR                                                 |
| 4            | ALUMINUM CLADDING PANELS 18" X 48" - BLU E                                                    |
| 5            | ALUMINUM CLADDING PANELS 18" X 48" - BLU E                                                    |
| 6            | ALUMINUM CLADDING PANELS 18" X 48" - RED                                                      |
| 9            | Prefinished aluminum coping                                                                   |
| 10           | ALUM. AWNING PER MANUFACTURE -                                                                |
| D1           | REMOVE EXISTING MASONRY COLUMN                                                                |
| D2           | REMOVE EXISTING INTERIOR PARTITION WALLS                                                      |
| D3           | CLEAN UP EXISTING OVERHEAD OPENING - REMOVE ANY REMAINING PART - PREPARE FOR MASONRY INFILL   |
| D4           | REMOVE EXISTING STORE FRONT                                                                   |
| D5           | REMOVE ALL REMAINING PRECAST CONCRETE (ROOF) BEAMS                                            |
| D6           | REMOVE STEEL BEAM                                                                             |
| D7           | REMOVE ALL WIRING , PIPING DUCTWORK PRIOR TO REMOVING THE ROOF BEAMS                          |
| D9           | REMOVE EXISTING SOFFIT - REMOVE UNDERNEATH FRAMING CLEAN AND PREPARE FOR ALUM. PANEL CLADDING |

**DEMO NOTES:**  
 REMOVE ALL PLUMBING FIXTURES INDICATED TO BE REMOVED AND CAP BELOW SLAB, IN WALL OR ABOVE CEILING. U.N.O. REMOVE ALL ELECTRICAL OUTLETS AND WIRING IN WALLS AND EXPOSED WIRING ON WALL SURFACES WHICH ARE INDICATED TO BE REMOVED. EITHER REMOVE WIRE BACK TO PANEL BOX OR PROVIDE NEW ACCESSIBLE JUNCTION BOX AT THE TERMINATION OF WIRES. CAP ALL CONDUITS BELOW SLAB, IN WALL OR ABOVE CEILING

- DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND ORDINANCES AS SET FORTH BY ALL GOVERNING AUTHORITIES. ALL LIFE SAFETY SYSTEMS SHALL REMAIN FUNCTIONAL I.E. FIRE ALARM, GENERAL LIGHTING, EMERGENCY LIGHTING, IN ALL OCCUPIED AREAS DURING CONSTRUCTION.
- ALL STRUCTURES SHOWN OR IMPLIED TO BE REMOVED SHALL BE REMOVED. PROVIDE DUST PROTECTION FOR ADJACENT AREAS AND SECURE ALL DEMOLITION AREAS WITH FENCING TO PROTECT "OTHERS" FORM ENTERING THE SUBJECT AREA.
- CAP ALL MISC. ELECTRICAL, MECHANICAL, AND PLUMBING UTILITIES THAT SERVICE THE AREA. SUCH CAPPING SHALL BE WITHIN WALL, CEILING OR FLOOR SYSTEM. ALL CAPPING SHALL BE BY TRADESMAN OF THE APPROPRIATE WORK.
- ALL DEBRIS SHALL BE REMOVED FROM THE SITE DAILY TO AN APPROVED DUMPING FACILITY WHICH MEETS FEDERAL AND LOCAL REQUIREMENTS. OWNERS' DUMPSTERS MAY NOT BE USED.
- REPAIR, CLEAN AND / OR REPLACE ANY DAMAGE TO EXISTING ADJACENT FINISH MATERIALS AND OTHER STRUCTURES NOT BEING DEMOLISHED.
- OWNER WILL HAVE FIRST RIGHT OF REFUSAL OF ALL REMOVED ITEMS, DEVICES, FURNITURE, EQUIPMENT, AND MATERIALS.
- COORDINATE ALL SEQUENCE AND CONSTRUCTION WITH OWNER PRIOR TO COMMENCEMENT.
- PROTECT ALL NON-REMOVED / RELOCATED ITEMS, FURNITURE, AND FINISHES DURING DEMOLITION AND CONSTRUCTION.
- REFER TO SPECIFICATIONS AND ALL DOCUMENTS HEREIN FOR ANY ADDITIONAL DEMOLITION INFORMATION / INSTRUCTION.
- VERIFY THAT EXIT EGRESS IS MAINTAINED FOR ALL OCCUPIED AREAS OF BUILDING SITE THROUGHOUT DEMOLITION AND CONSTRUCTION.
- ALL COLUMNS ARE TO REMAIN, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES, WATER LINES, ETC. PRIOR TO DIGGING AND / OR CONCRETE SLAB DEMOLITION.
- DURING DEMOLITION, PROVIDE TEMPORARY FIRE PROTECTION APPROVED BY STATE FIRE MARSHAL.
- THE CONTRACTOR SHALL SLEEVE ELECTRICAL, MECHANICAL, PLUMBING UTILITIES THAT SERVICE THE DEMOLITION AREAS AND ARE REQUIRED FOR CONTINUED OPERATION OF EXISTING SYSTEMS.
- THE CONTRACTOR SHALL ALSO NOTIFY THE ARCHITECT IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
- THE EXISTING CONDITIONS SHOWN ARE IN COMPLIANCE WITH PREVIOUS CONSTRUCTION DOCUMENTS AND OBSERVED EXISTING FIELD CONDITIONS, UNLESS OTHERWISE NOTED. FIELD VERIFY ALL EXISTING CONDITIONS. SHOULD ANY DISCREPANCIES EXISTING, FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOT ONLY THE PLANS AND SPECIFICATIONS, BUT ALL EXISTING SITE CONDITIONS AS WELL. THE CONTRACTOR IS TO CONDUCT A COMPLETE REVIEW OF THE SITE AND THE WORK TO BE PERFORMED. THE CONTRACTOR IS TO IMMEDIATELY SUBMIT TO THE ARCHITECT THROUGH THE CONSTRUCTION MANAGER ANY QUESTIONS OR REQUESTS FOR CLARIFICATION THEY HAVE REGARDING THE EXISTING CONDITIONS AND / OR PLANS. THE CONTRACTOR WARRANTS BY SUBMISSION OF A BID THAT THEY HAVE COMPLETELY REVIEWED ALL SITE CONDITIONS AND WHERE DISCREPANCIES



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# Mobil Mart

## Interior and Exterior Alteration

10636 W BLUEMOUND RD  
WAUWATOSA WI

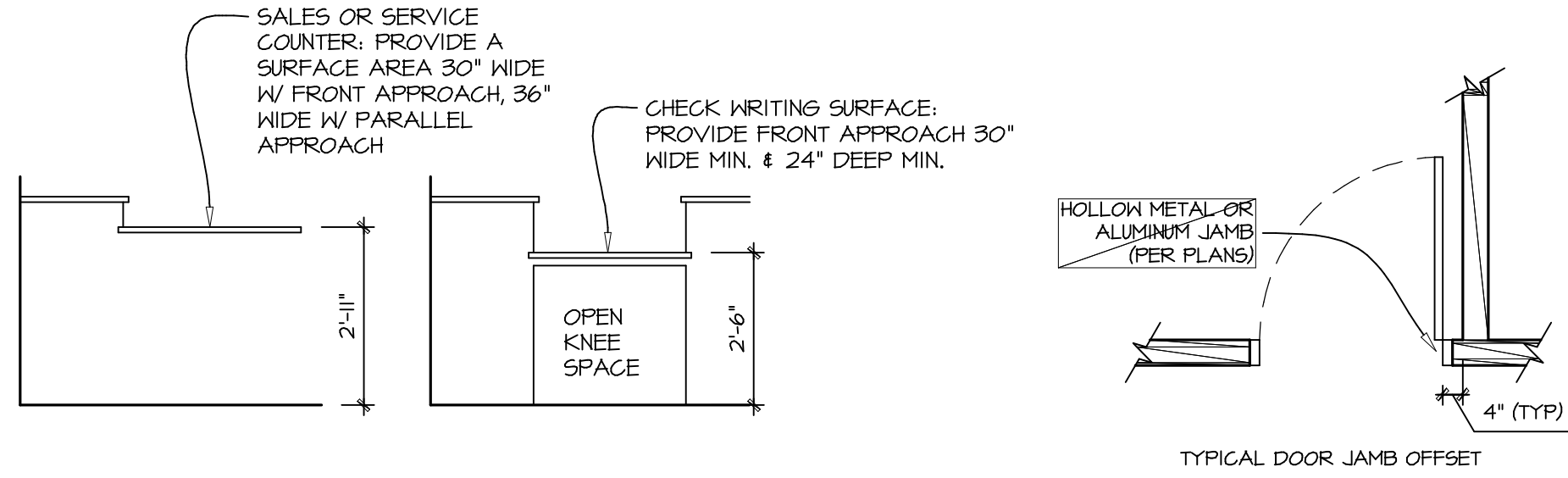
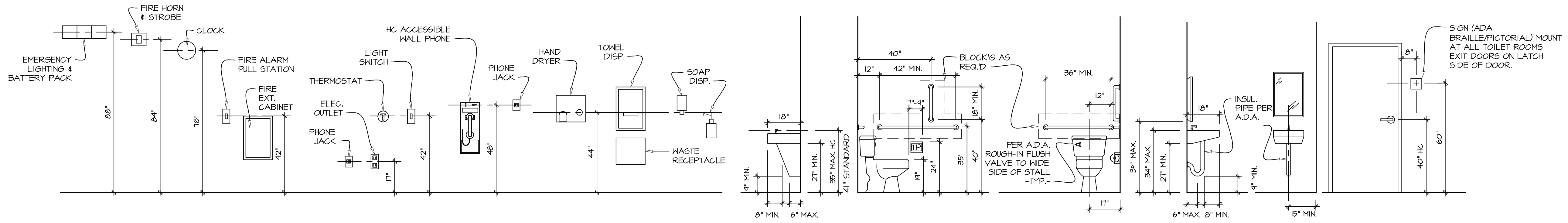
SCALE  
**VARIES**



DEMO PLAN

**A101**

| Revision Schedule |          |      |
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**ACCESSIBILITY GUIDELINES:**  
LIGHT SWITCHES, ELECTRICAL OUTLETS, ELECTRIC SERVICE PANELS, THERMOSTATS, THRU-WALL A/C UNITS AND ENVIRONMENTAL CONTROLS SHALL BE LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15 INCHES ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION ( FOR EXAMPLE, 20 AND 25 INCHES IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44 INCHES FOR FORWARD APPROACH OR 46 INCHES FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24 INCHES IN DEPTH ).  
REINFORCE ALL BATHROOM WALLS TO ALLOW LATER INSTALLATION OF GRAB BARS AROUND THE TOILET, TUB, SHOWER & SHOWER SEAT WHEN THESE FACILITIES ARE PROVIDED. REINFORCEMENT FOR GRAB BARS MAY BE PROVIDED BY PLYWOOD OR WOOD BLOCKING.

**STANDARD MOUNTING HEIGHTS & DETAILS**  
3/8" = 1'-0"

**306.3 Knee Clearance.**

- 306.3.1 General. Space under an element between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground shall be considered knee clearance and shall comply with 306.3.
- 306.3.2 Maximum Depth. Knee clearance shall extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the finish floor or ground.
- 306.3.3 Minimum Required Depth. Where knee clearance is required under an element as part of a clear floor space, the knee clearance shall be 11 inches (280 mm) deep minimum at 9 inches (230 mm) above the finish floor or ground, and 8 inches (205 mm) deep minimum at 27 inches (685 mm) above the finish floor or ground.
- 306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the finish floor or ground, the knee clearance shall be permitted to reduce at a rate of 1 inch (25 mm) in depth for each 6 inches (150 mm) in height.
- 306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide minimum.

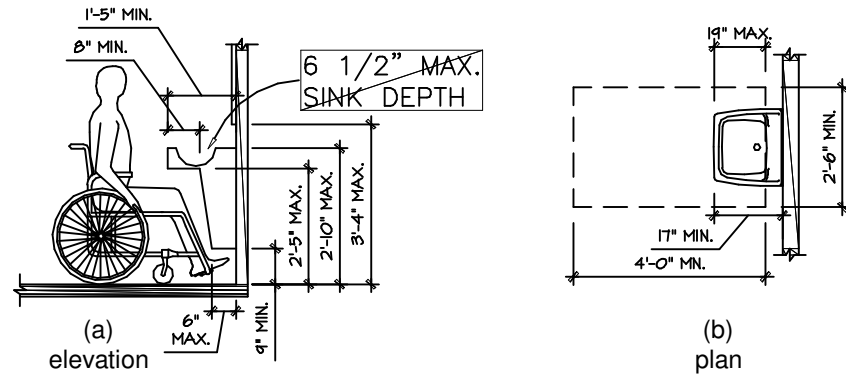


Figure 306.3 Knee Clearance

**306 Knee and Toe Clearance**

- 306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2.
- 306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element.
- 306.2.3 Minimum Required Depth. Where toe clearance is required at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element.
- 306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance.
- 306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.

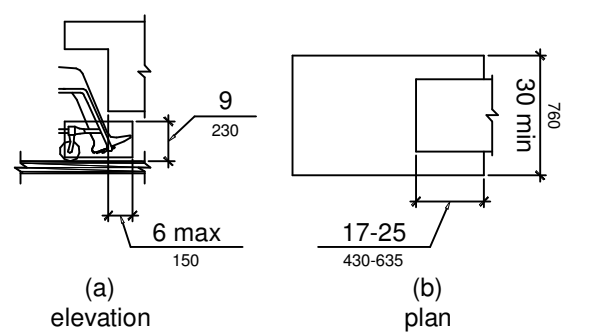
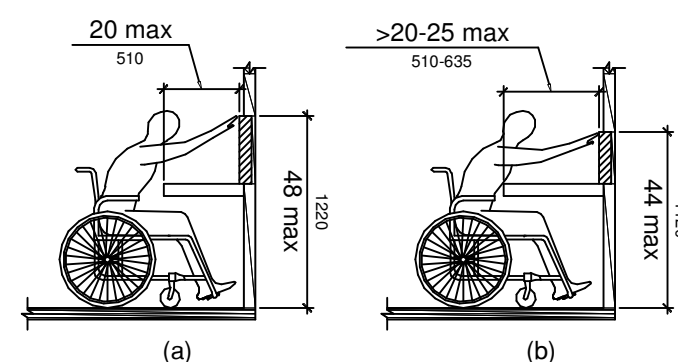


Figure 306.2 Toe Clearance

- 306.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum and the reach depth shall be 25 inches (635 mm) maximum.



**ADA NOTES**  
1" = 1'-0"

**308.3 Side Reach.**

- 308.3.1 Unobstructed. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.
- 308.3.2 Obstructed High Side Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

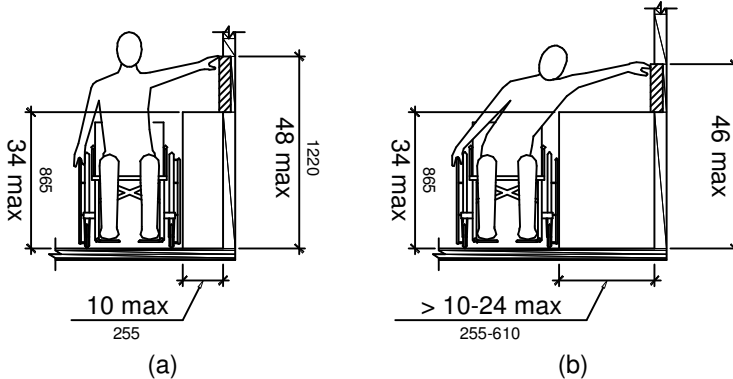


Figure 308.3.2 Obstructed High Side Reach

- 404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

- 404.2.11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43 inches (1090 mm) maximum above the finish floor.
- 404.3 Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.3. Full-powered automatic doors shall comply with ANSI/BHMA A156.10 (incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with ANSI/BHMA A156.19 (1997 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1).

- 404.3.2 Maneuvering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. Clearances at automatic doors and gates without standby power and serving an accessible means of egress shall comply with 404.2.4.

- 404.2.4.3 Recessed Doors and Gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

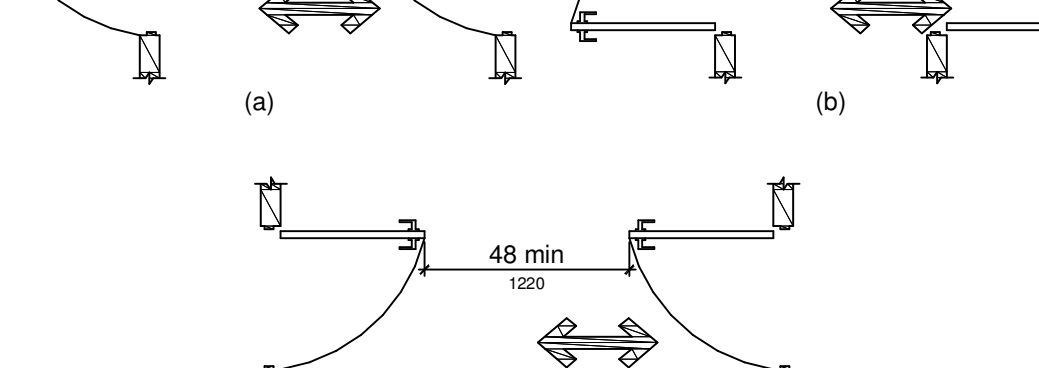
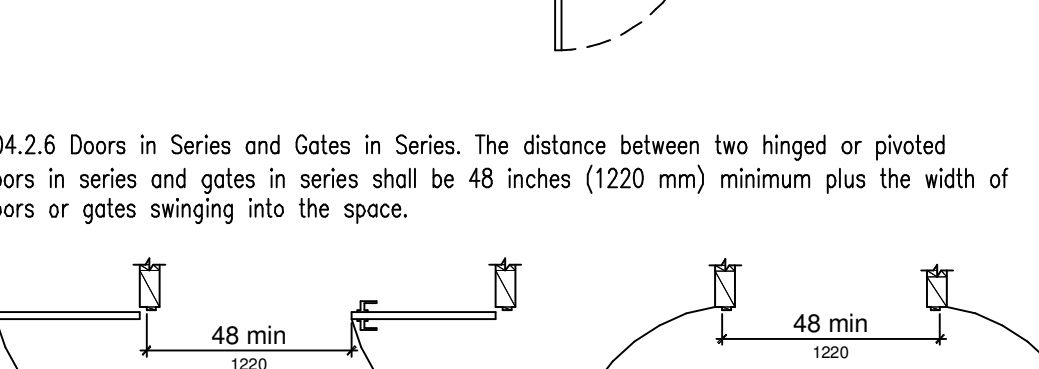
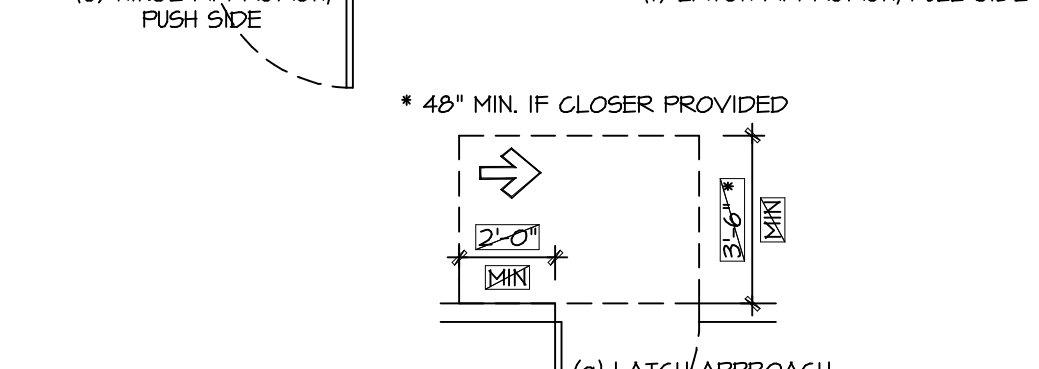
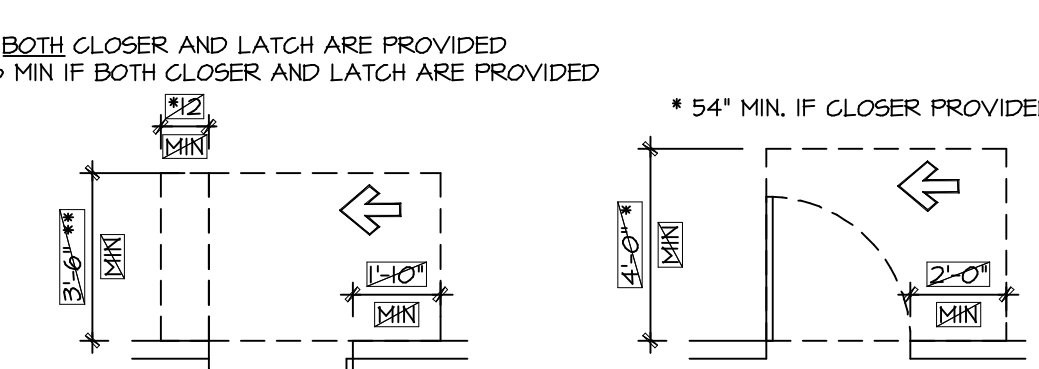
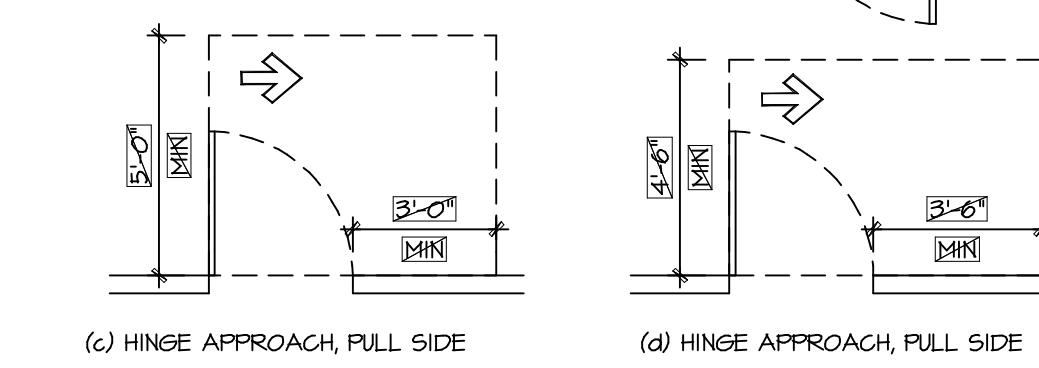
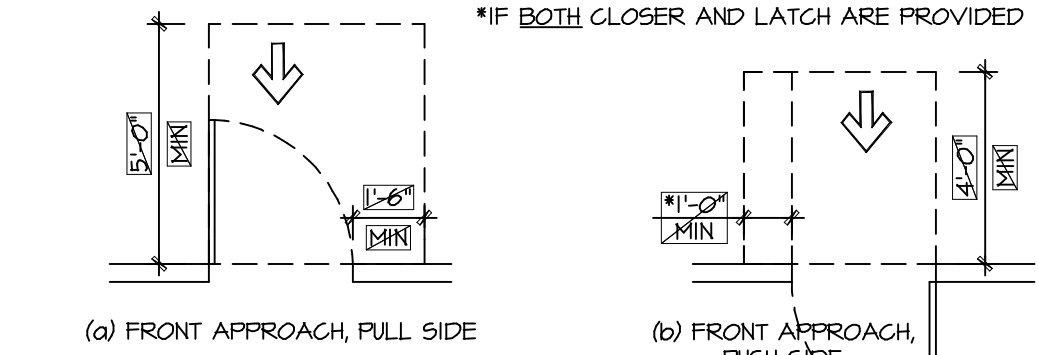
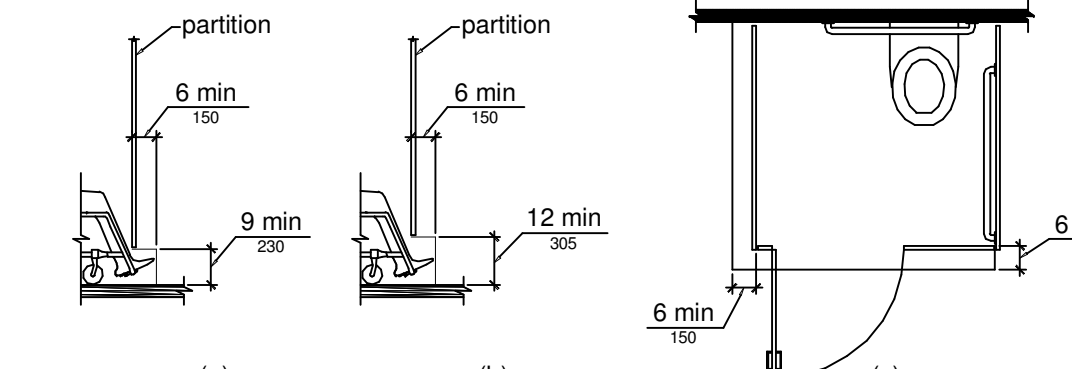


Figure 404.2.6 Doors in Series and Gates in Series

- 604.8.1.4 Toe Clearance. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

- EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.



**605 Urinals**

- 605.2 Height and Depth. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.

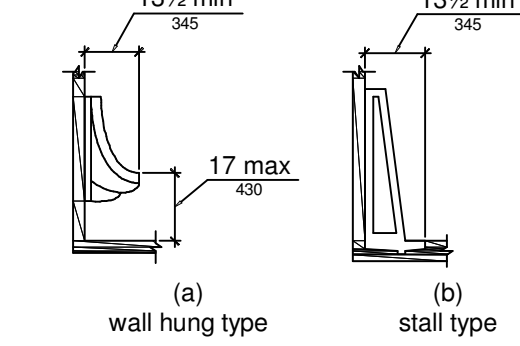


Figure 605.2 Height and Depth of Urinals

- 605.3 Clear Floor Space. A clear floor or ground space complying with 305 positioned for forward approach shall be provided.
- 605.4 Flush Controls. Flush controls shall be hand operated or automatic. Hand operated flush controls shall comply with 309.

**606 Lavatories and Sinks**

- 606.2 Clear Floor Space. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.
- 606.3 Height. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.
- 606.4 Faucets. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

- 606.5 Exposed Pipes and Surfaces. Water supply and drain pipes under lavatories and sinks shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories and sinks.

- CHAPTER 6: PLUMBING ELEMENTS AND FACILITIES
- 602 Drinking Fountains
- 602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

- EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front edge of the unit, including bumpers.

- 602.3 Operable Parts. Operable parts shall comply with 309.
- 602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground.
- 602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and 5 inches (125 mm) maximum from the front edge of the unit, including bumpers.

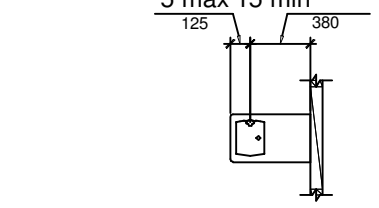
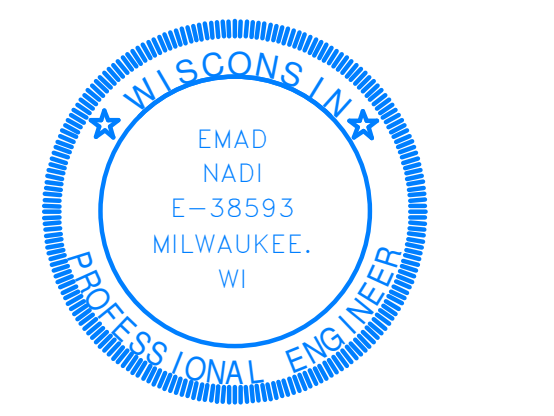


Figure 602.5 Drinking Fountain Spout Location

- 602.6 Water Flow. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.
- 602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

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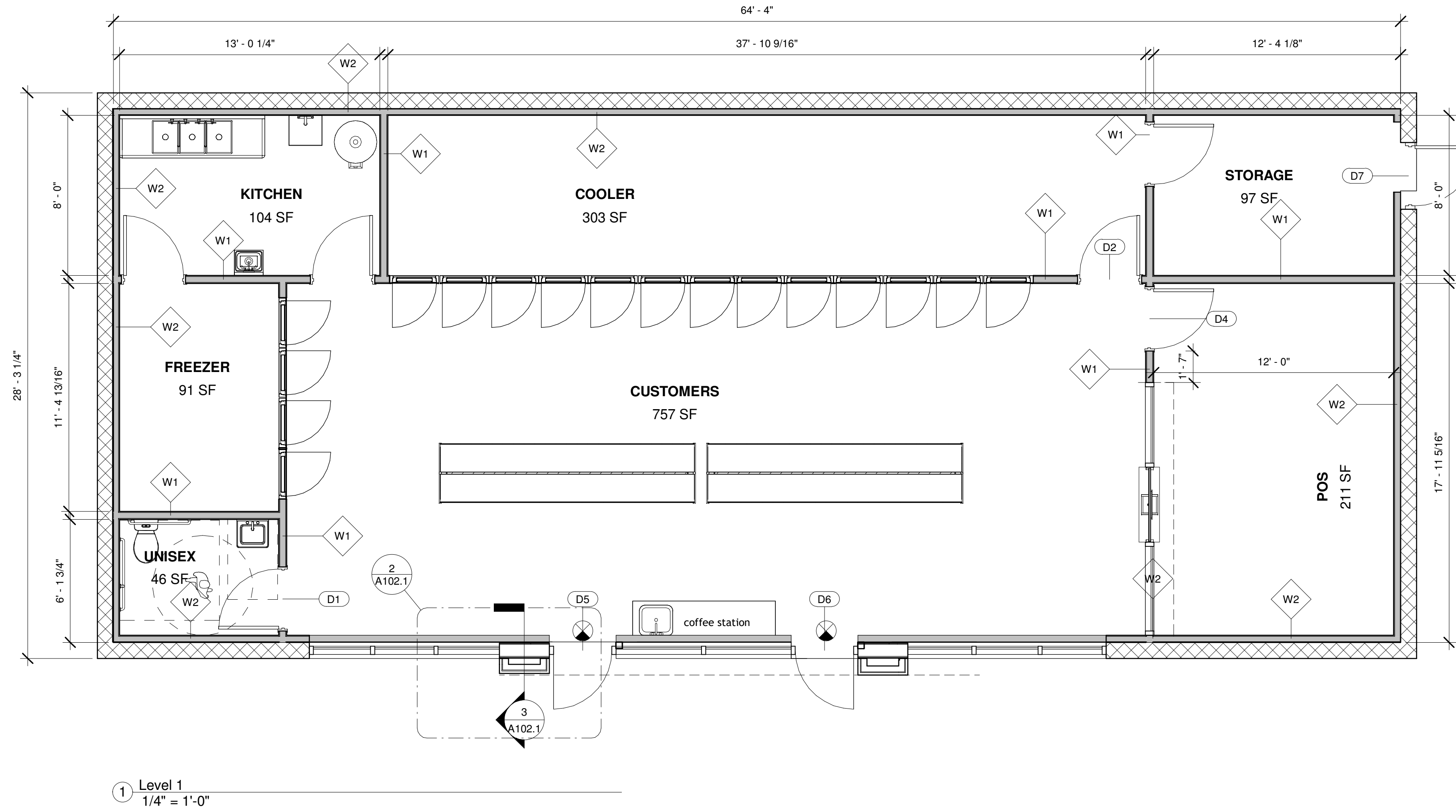
SCALE  
**VARIES**



**ADA NOTES**

**A101.1**

| Revision Schedule |          |      |
|-------------------|----------|------|
| No.               | Revision | Date |
|                   |          |      |



### Door Schedule

| Mark | Type                    | Width    | Height       | Hardware                                                                                                                               |
|------|-------------------------|----------|--------------|----------------------------------------------------------------------------------------------------------------------------------------|
| D1   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      | 3) BUTT HINGES<br>(1) PRIVAE LEVER LOCKSET - KEY OUTSIDE BUSH BUTTON INSIDE<br>(1) HEAVY DUTY FOOT OPERATED HOLD OPEN<br>(1) WALL STOP |
| D2   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      | 3) BUTT HINGES<br>(1) PRIVAE LEVER LOCKSET - KEY OUTSIDE BUSH BUTTON INSIDE<br>(1) HEAVY DUTY FOOT OPERATED HOLD OPEN<br>(1) WALL STOP |
| D4   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      | 3) BUTT HINGES<br>(1) PRIVAE LEVER LOCKSET - KEY OUTSIDE BUSH BUTTON INSIDE<br>(1) HEAVY DUTY FOOT OPERATED HOLD OPEN<br>(1) WALL STOP |
| D5   | Store Front Single Door | 2' - 11" | 6' - 10 3/4" | PER MANUFACTURE                                                                                                                        |
| D6   | Store Front Single Door | 2' - 11" | 6' - 10 3/4" | PER MANUFACTURE                                                                                                                        |
| D7   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D8   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D9   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D13  | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |

### Room Schedule

| Name      | Area   | Floor Finish               | Wall Finish             | Ceiling Finish | Ceiling Height |
|-----------|--------|----------------------------|-------------------------|----------------|----------------|
| UNISEX    | 46 SF  | LAMINATE                   | GWB                     | ACOUSTIC       | 8' - 0"        |
| FREEZER   | 91 SF  | PER MANUFACTURE            | PER MANUFACTURE         | ACOUSTIC       | 11' - 0"       |
| COOLER    | 303 SF | PER MANUFACTURE            | PER MANUFACTURE         | ACOUSTIC       | 11' - 0"       |
| STORAGE   | 97 SF  | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| POS       | 211 SF | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| CUSTOMERS | 757 SF | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| KITCHEN   | 104 SF | NON SLIP POLISHED CONCRETE | SMOOTH WASHABLE SURFACE | ACOUSTIC       | 11' - 0"       |

### Room Schedule

| Name      | Area   | Floor Finish               | Wall Finish             | Ceiling Finish | Ceiling Height |
|-----------|--------|----------------------------|-------------------------|----------------|----------------|
| UNISEX    | 46 SF  | LAMINATE                   | GWB                     | ACOUSTIC       | 8' - 0"        |
| FREEZER   | 91 SF  | PER MANUFACTURE            | PER MANUFACTURE         | ACOUSTIC       | 11' - 0"       |
| COOLER    | 303 SF | PER MANUFACTURE            | PER MANUFACTURE         | ACOUSTIC       | 11' - 0"       |
| STORAGE   | 97 SF  | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| POS       | 211 SF | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| CUSTOMERS | 757 SF | LAMINATE                   | GWB                     | ACOUSTIC       | 11' - 0"       |
| KITCHEN   | 104 SF | NON SLIP POLISHED CONCRETE | SMOOTH WASHABLE SURFACE | ACOUSTIC       | 11' - 0"       |

### Door Schedule

| Mark | Type                    | Width    | Height       | Hardware                                                                                                                               |
|------|-------------------------|----------|--------------|----------------------------------------------------------------------------------------------------------------------------------------|
| D1   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      | 3) BUTT HINGES<br>(1) PRIVAE LEVER LOCKSET - KEY OUTSIDE BUSH BUTTON INSIDE<br>(1) HEAVY DUTY FOOT OPERATED HOLD OPEN<br>(1) WALL STOP |
| D2   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      | 3) BUTT HINGES<br>(1) PRIVAE LEVER LOCKSET - KEY OUTSIDE BUSH BUTTON INSIDE<br>(1) HEAVY DUTY FOOT OPERATED HOLD OPEN<br>(1) WALL STOP |
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| D5   | Store Front Single Door | 2' - 11" | 6' - 10 3/4" | PER MANUFACTURE                                                                                                                        |
| D6   | Store Front Single Door | 2' - 11" | 6' - 10 3/4" | PER MANUFACTURE                                                                                                                        |
| D7   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D8   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D9   | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |
| D13  | 36" x 84" - HM Frame    | 3' - 0"  | 7' - 0"      |                                                                                                                                        |

# Mobil Mart Interior and Exterior Alteration

10636 W BLUEMOUND RD  
WAUWATOSA WI

SCALE  
VARIES



LAYOUT

A102

| Revision Schedule |          |      |
|-------------------|----------|------|
| No.               | Revision | Date |
|                   |          |      |

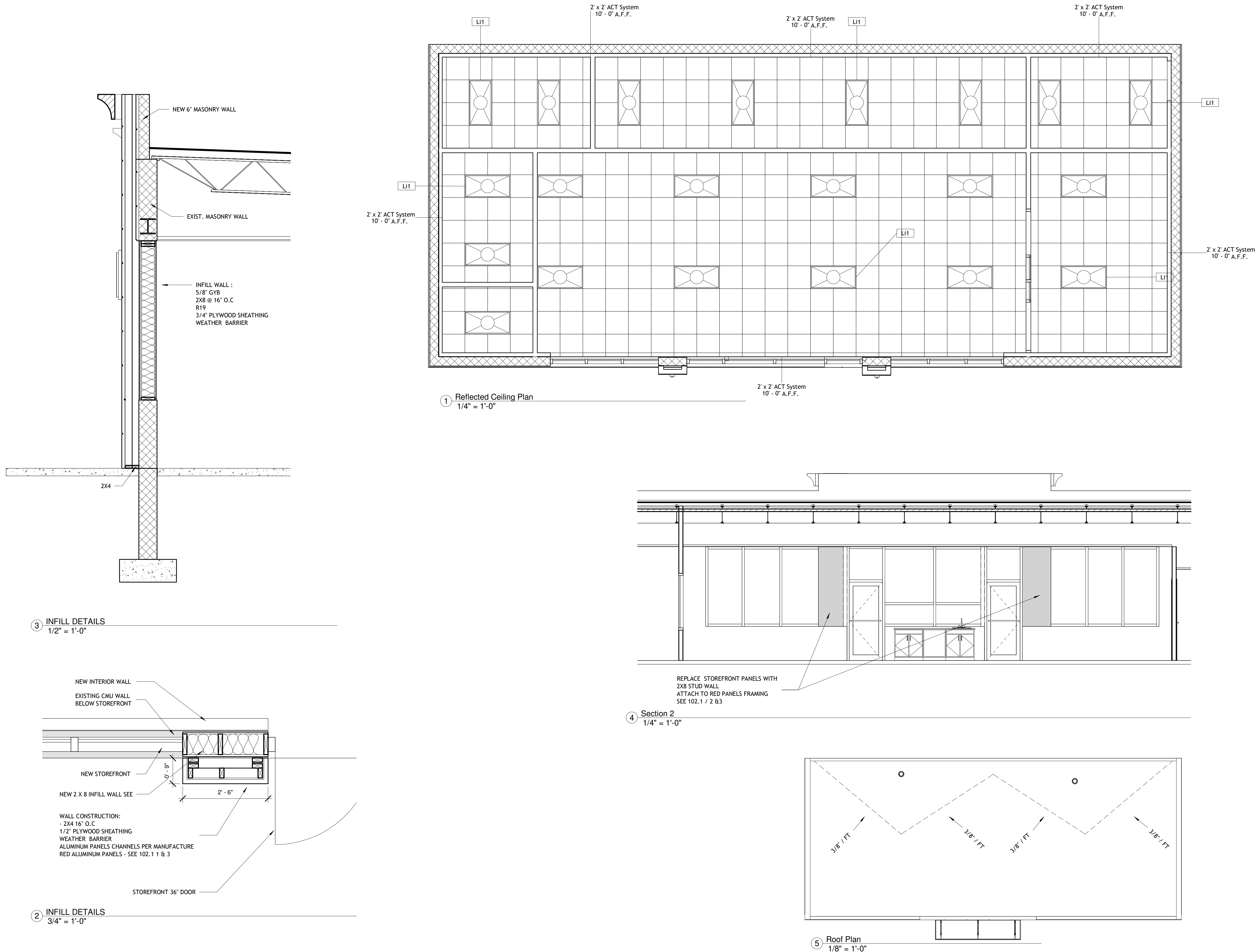
**Mobil Mart**  
**Interior and Exterior Alteration**  
 10636 W BLUEMOUND RD  
 WAUWATOSA WI

SCALE  
**VARIES**



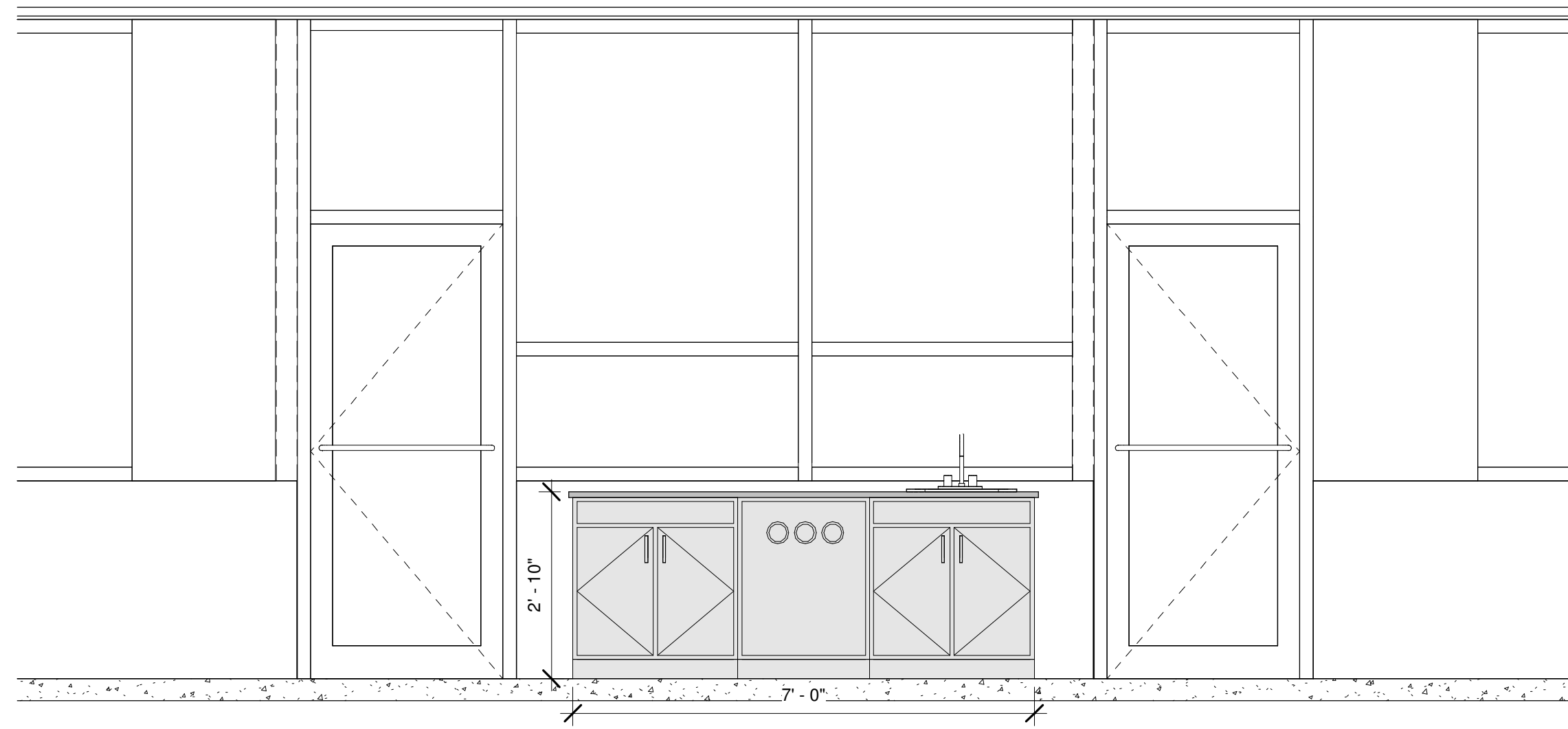
ARCHITECTURAL

**A102.1**

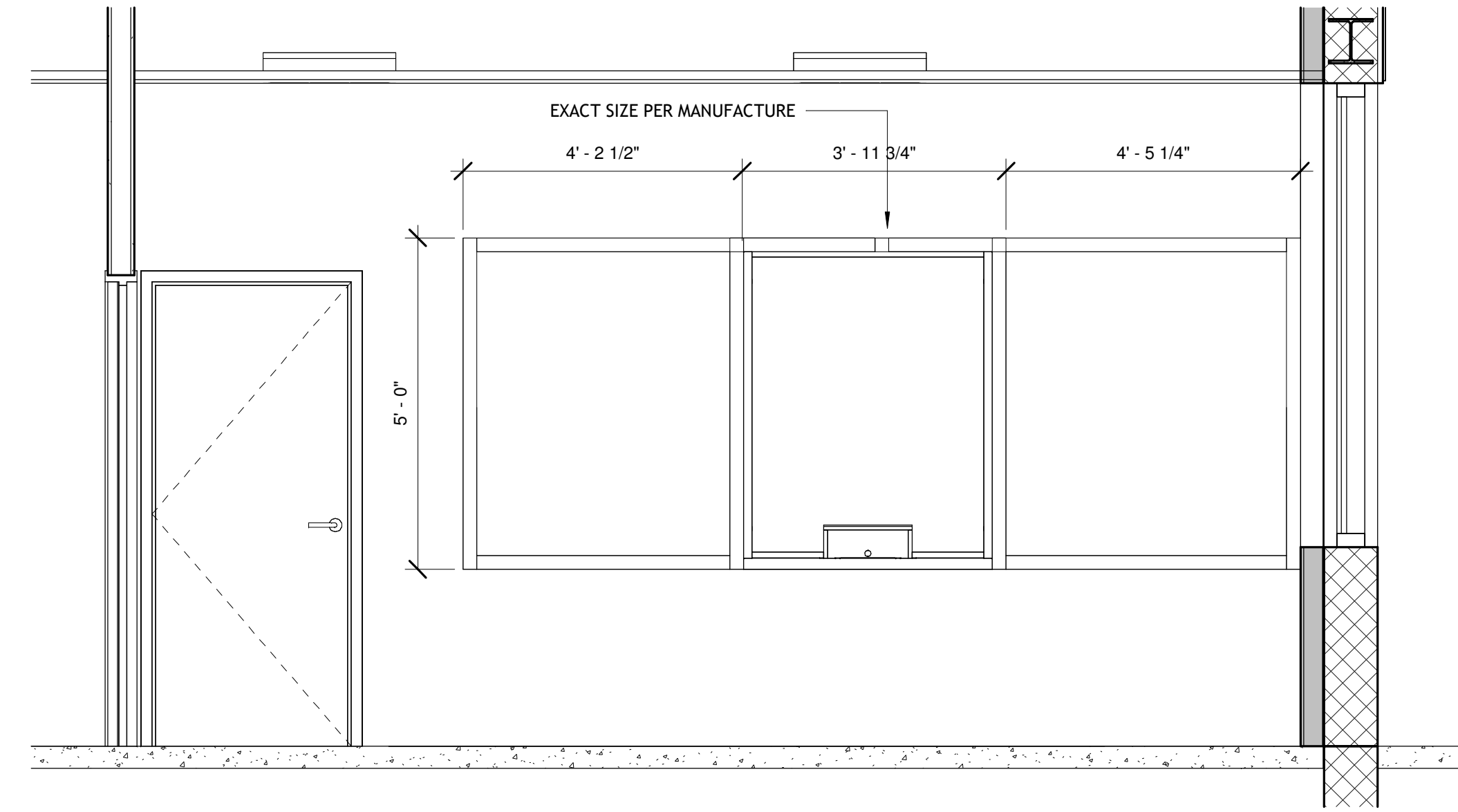


Revision Schedule

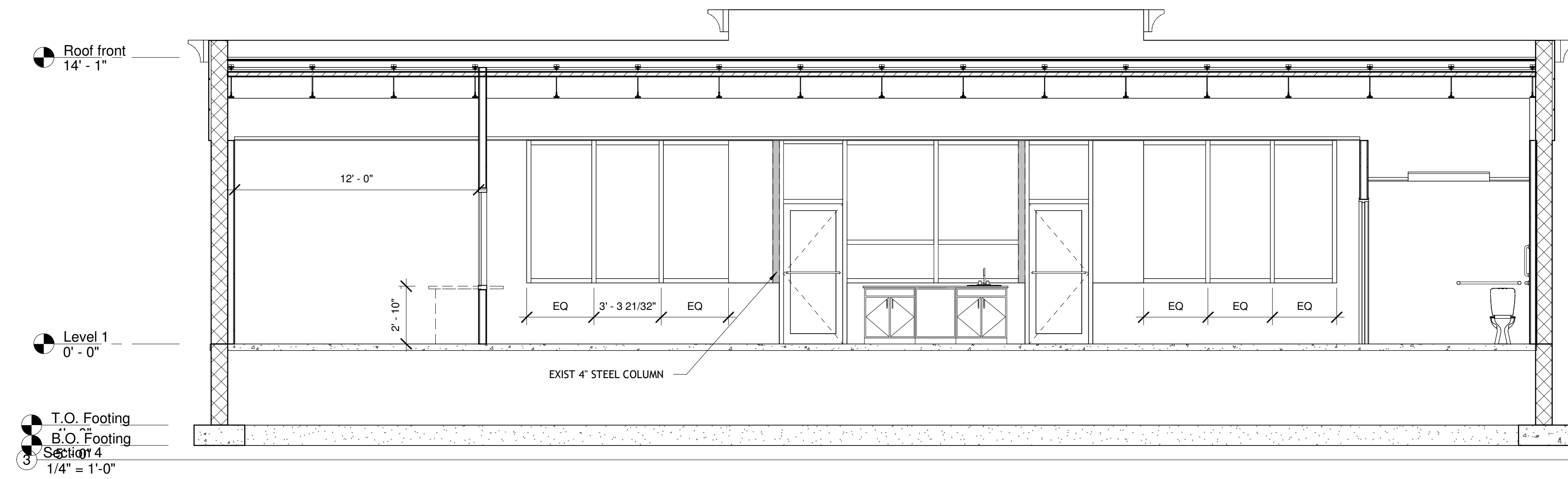
| No. | Revision | Date |
|-----|----------|------|
|     |          |      |



② Coffee Station  
1/2" = 1'-0"



① POS ELEVATION  
1/2" = 1'-0"



T.O. Footing  
B.O. Footing  
Section 4  
1/4" = 1'-0"

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WAUWATOSA WI

SCALE  
**VARIES**



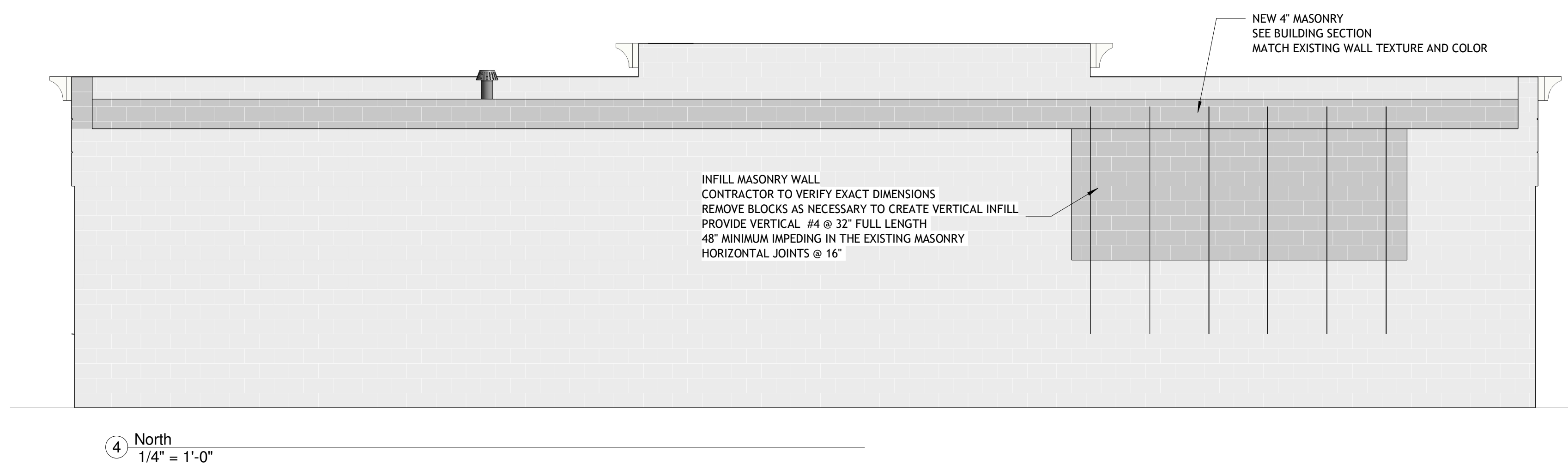
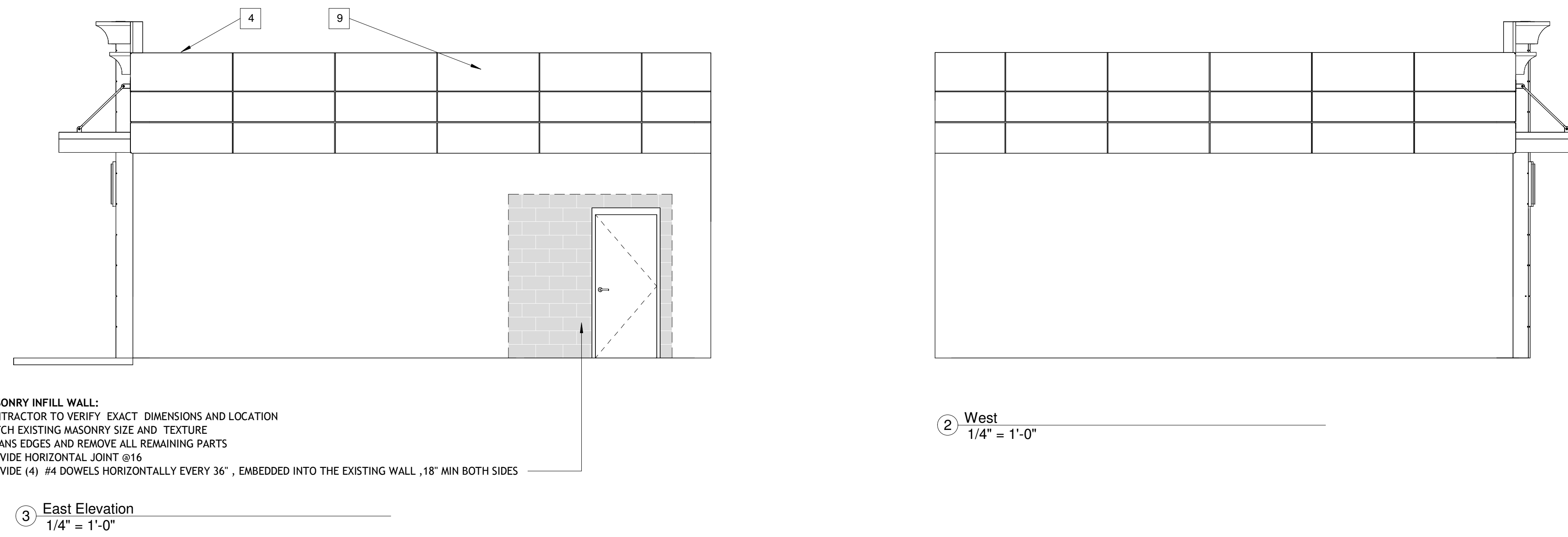
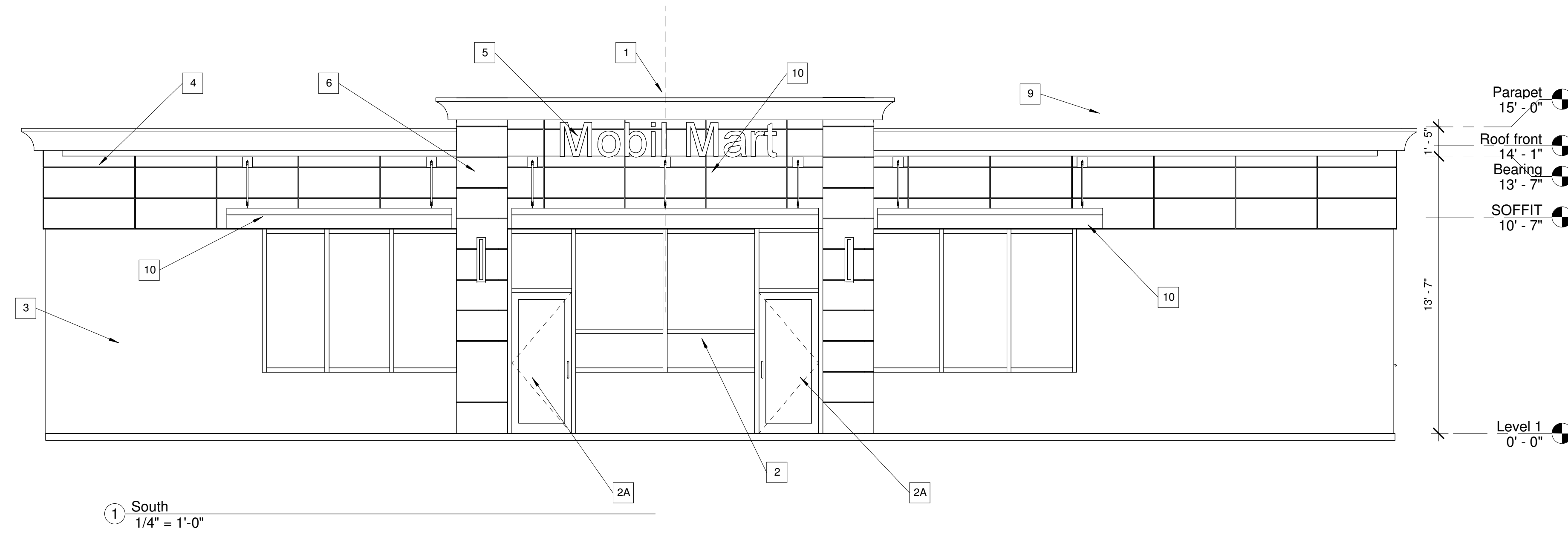
INTERIOR DETAILS

**A102.2**

| Revision Schedule |          |      |
|-------------------|----------|------|
| No.               | Revision | Date |
|                   |          |      |

**Notes**

| Label Number | Notes                                                                      |
|--------------|----------------------------------------------------------------------------|
| 1            | EIFS CROWN ON WOOD FRAMING                                                 |
| 2            | THERMALLY Y-BROCKEN ANODIZED ALUMINUM WINDOW, 1" LOW-E INSULATING GLAZING. |
| 2A           | THERMALLY Y-BROCKEN ANODIZED ALUMINUM DOOR, 1" LOW-E INSULATING GLAZING.   |
| 3            | PAINT EXISTING WHITE CMU WITH DARK GRAY COLOR                              |
| 4            | ALUMINUM CLADDING PANELS 18" X 48" - BLU E                                 |
| 5            | ALUMINUM CLADDING PANELS 18" X 48" - BLU E                                 |
| 6            | ALUMINUM CLADDING PANELS 18" X 48" - RED                                   |
| 9            | Prefinished aluminum coping                                                |
| 10           | ALUM. AWNING PER MANUFACTURE -                                             |



**Mobil Mart**  
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SCALE  
**VARIES**



**ELEVATIONS**

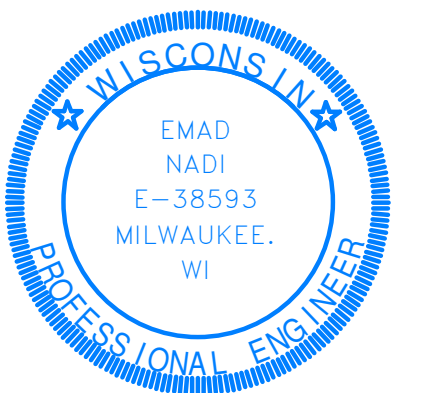
**A200**



| Revision Schedule |          |      |
|-------------------|----------|------|
| No.               | Revision | Date |
|                   |          |      |

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 WAUWATOSA WI

SCALE  
**VARIES**



**STRUCTURAL PLAN**

**S1.0**

**SNOW LOADS**  
GROUND SNOW LOAD: 35.00 PSF  
FLAT-ROOF SNOW LOAD: 29.40 PSF  
SNOW EXPOSURE FACTOR: 1.00  
SNOW IMPORTANCE FACTOR: 1.00  
THERMAL FACTOR: 1.20  
DRIFT SURCHARGE LOAD: 0.00 PSF  
WIDTH OF SNOW DRIFT: 0.00 FT

**WIND LOADS**  
DESIGN WIND SPEED: 115.00 MPH  
RISK CATEGORY: II  
WIND EXPOSURE: B  
MWFRS Wind Calculations  
MWFRS loads are calculated using the provisions of ASCE 7-10 Chapter 28. Loads are first calculated on the structure as a whole, for transmission to shear walls.  
Common Values  
The following values are common for the entire structure:  
V = 115.00 mph (basic wind speed, as entered by user)  
K<sub>d</sub> = 0.85 (wind directionality factor, from Table 26.6-1, for Main Wind Force Resisting System)  
K<sub>z</sub> = 1.00 (topography factor, as entered by user, from Table 26.8-1)  
K<sub>e</sub> = 0.70 (velocity pressure coefficient, from Table 28.3-1 Note 1, evaluated at roof mean height)  
Common Velocity Pressure  
Velocity pressure at roof mean height (q<sub>r</sub>), Equation 28.3-1 evaluated at roof mean height per 28.4.1:  
q = h 0.00256K<sub>z</sub> K<sub>d</sub> V<sup>2</sup> = 24.76 psf  
Force on Roof  
Wind pressures on the roof are calculated here and will be used later when distributing load to the loadbearing walls that support the roof.  
G<sub>C</sub> Coefficient Determination  
Values from Figure 28.4-1 for roof zones, taking worst case of Load Case A and B:  
G<sub>C</sub><sup>1</sup> = -1.07 (Windward surface, edge zone)  
G<sub>C</sub><sup>2</sup> = -0.69 (Windward surface, field zone)  
G<sub>C</sub><sup>3</sup> = -0.53 (Leeward surface, edge zone)  
G<sub>C</sub><sup>4</sup> = -0.37 (Leeward surface, field zone)  
Design Pressures  
Pressure values from Equation 28.4-1:  
p = q<sub>r</sub> (G<sub>C</sub><sup>1</sup> - G<sub>C</sub><sup>2</sup>) = (20.16 psf)(-1.07 - 0.18) = -25.20 psf (Windward surface, edge zone)  
p = q<sub>r</sub> (G<sub>C</sub><sup>1</sup> - G<sub>C</sub><sup>3</sup>) = (20.16 psf)(-0.69 - 0.18) = -17.54 psf (Windward surface, field zone)  
p = q<sub>r</sub> (G<sub>C</sub><sup>4</sup> - G<sub>C</sub><sup>3</sup>) = (20.16 psf)(-0.53 - 0.18) = -14.31 psf (Leeward surface, edge zone)  
p = q<sub>r</sub> (G<sub>C</sub><sup>4</sup> - G<sub>C</sub><sup>4</sup>) = (20.16 psf)(-0.37 - 0.18) = -11.09 psf (Leeward surface, field zone)  
These pressures are applied normal to the roof. For sloped roofs, only the vertical component will be taken when distributing pressures to walls.

**GRAVITY LOADS**  
ROOF LIVE LOAD: 25.00 PSF  
FLOOR LIVE LOAD: 100.00 PSF  
SNOW LOAD : 30 PSF

**EARTHQUAKE LOADS**  
RISK CATEGORY: II  
CLASS: B  
SEISMIC IMPORTANCE FACTOR: 1.00  
MAPPED 0.2 SECOND SPECTRAL RESPONSE ACCELERATION: 0.200  
MAPPED 1.0 SECOND SPECTRAL RESPONSE ACCELERATION: 0.050  
DESIGN 0.2 SECOND SPECTRAL RESPONSE ACCELERATION: 0.160  
DESIGN 1.0 SECOND SPECTRAL RESPONSE ACCELERATION: 0.040  
SEISMIC DESIGN CATEGORY: A  
LATERAL FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY  
SHEAR WALLS  
DESIGN BASE SHEAR: 4.22 K  
SEISMIC RESPONSE COEFFICIENT: 0.08  
RESPONSE MODIFICATION FACTOR: 2.00  
SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

**SOIL CAPACITY : ASSUMED 3000 PSF**

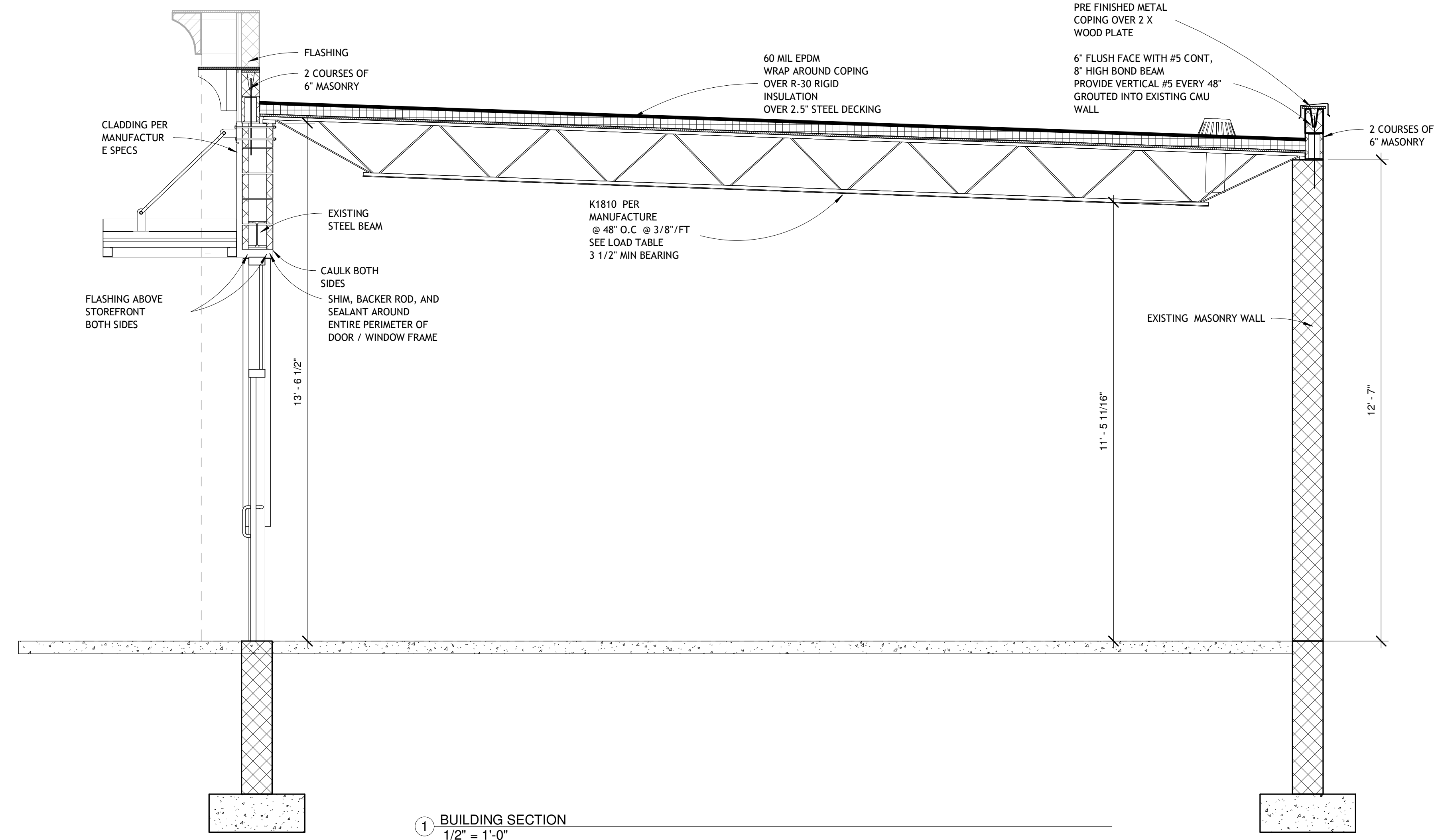
**MASONRY DESIGN CRITERIA**  
DESIGN STANDARD: TMS 402-13  
SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (F<sub>m</sub>): 2,000.00 PSI  
GRADE OF REINFORCEMENT (F<sub>y</sub>): 60,000.00 PSI  
MASONRY UNIT: 8 IN CMU  
CMU DENSITY: NORMALWEIGHT  
MASONRY MORTAR TYPE: TYPE S PORTLAND CEMENT/LIME

**CONCRETE**  
DESIGN STANDARD: AISCE  
SLAB ON GRADE : f<sub>c</sub> = 4000 psi  
FOOTING : f<sub>c</sub> = 3000 psi

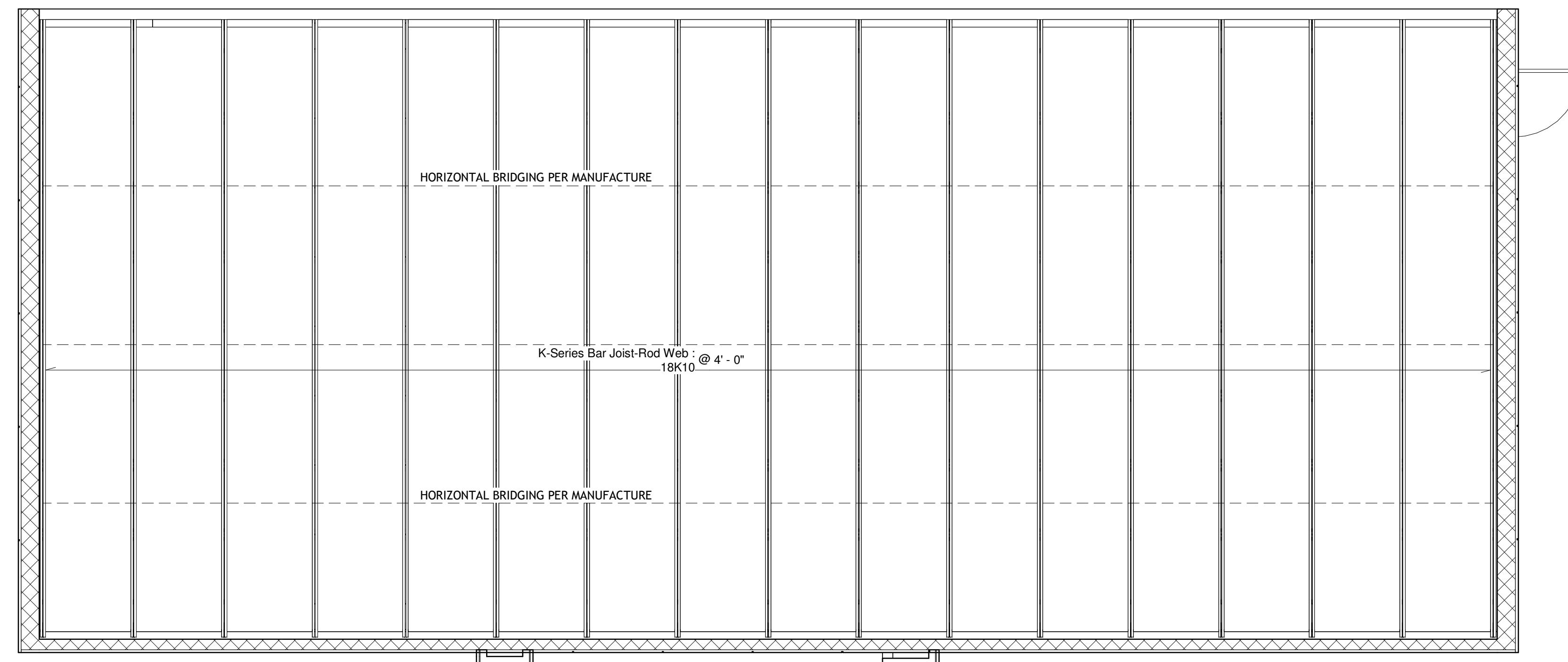
**STEEL**  
WIDE FLANGE "W SHAPE" : A992  
PLATES AND OTHER : A36  
BOLTS: A325

**WELDS:**  
WELDED CONNECTIONS  
ELECTRODES: 70 KSI

|                                       |                              |                               |        |
|---------------------------------------|------------------------------|-------------------------------|--------|
| <b>Walls:</b>                         | Field                        | Windward                      | 23.08  |
|                                       |                              | Leeward                       | -25.31 |
|                                       | Edge                         | Windward                      | 23.08  |
|                                       |                              | Leeward                       | -28.33 |
| <b>Roof:</b>                          | Zone 1 (Field)               | Windward                      | 9.41   |
|                                       |                              | Leeward                       | -26.74 |
|                                       | Zone 2 (Edge)                | Windward                      | 9.41   |
|                                       |                              | Leeward                       | -31.7  |
|                                       | Zone 3 (Corner)              | Windward                      | 9.41   |
|                                       |                              | Leeward                       | -31.7  |
| <b>Overhang:</b>                      | Roof Edge                    | -27.24 (total, both surfaces) |        |
|                                       | Roof Corner                  | -19.81                        |        |
| <b>Parapet Windward side (case A)</b> | Wall Field                   | 47.01                         |        |
|                                       | Wall Edge                    | 47.01                         |        |
|                                       | <b>Leeward side (case B)</b> | Wall Field                    | 42.84  |
|                                       |                              | Wall Edge                     | 46.28  |

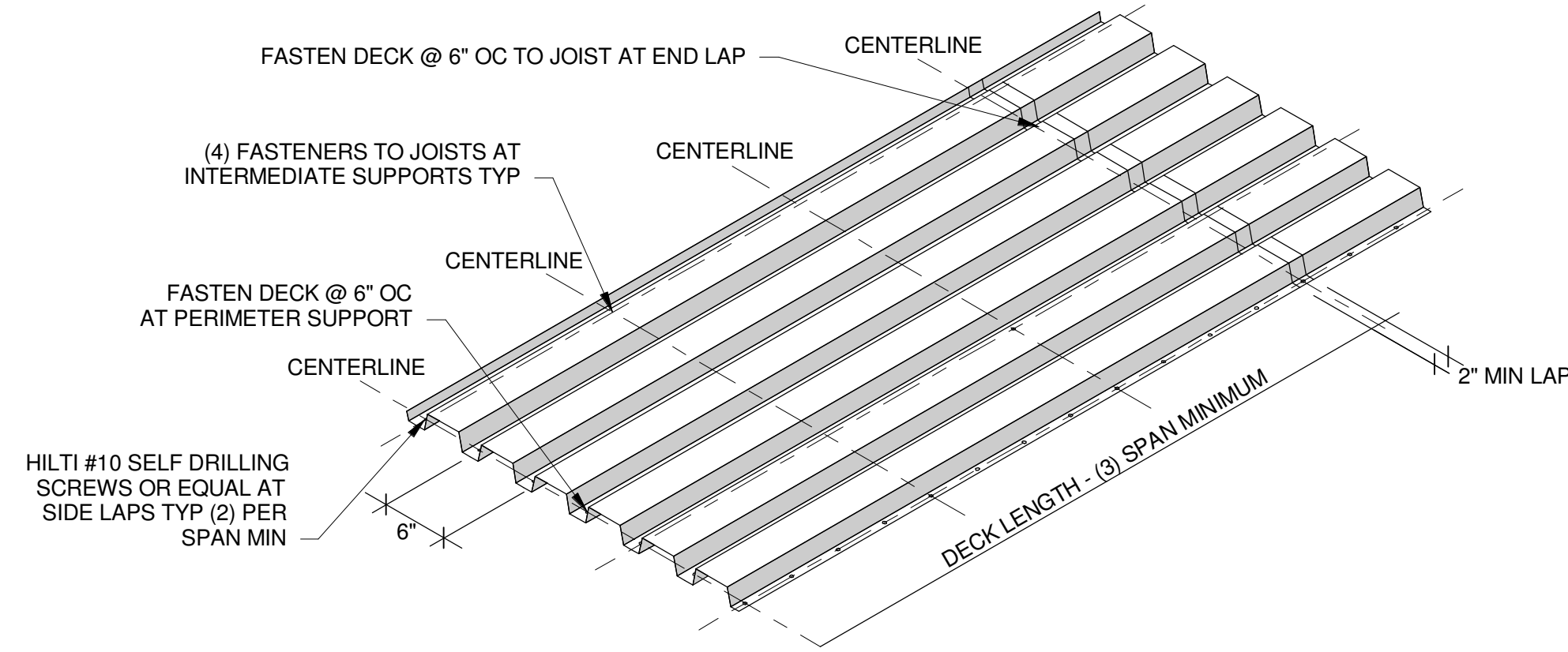


1 BUILDING SECTION  
1/2" = 1'-0"



2 Roof Framing  
1/4" = 1'-0"

| Revision Schedule |          |      |
|-------------------|----------|------|
| No.               | Revision | Date |
|                   |          |      |



**NOTES:**

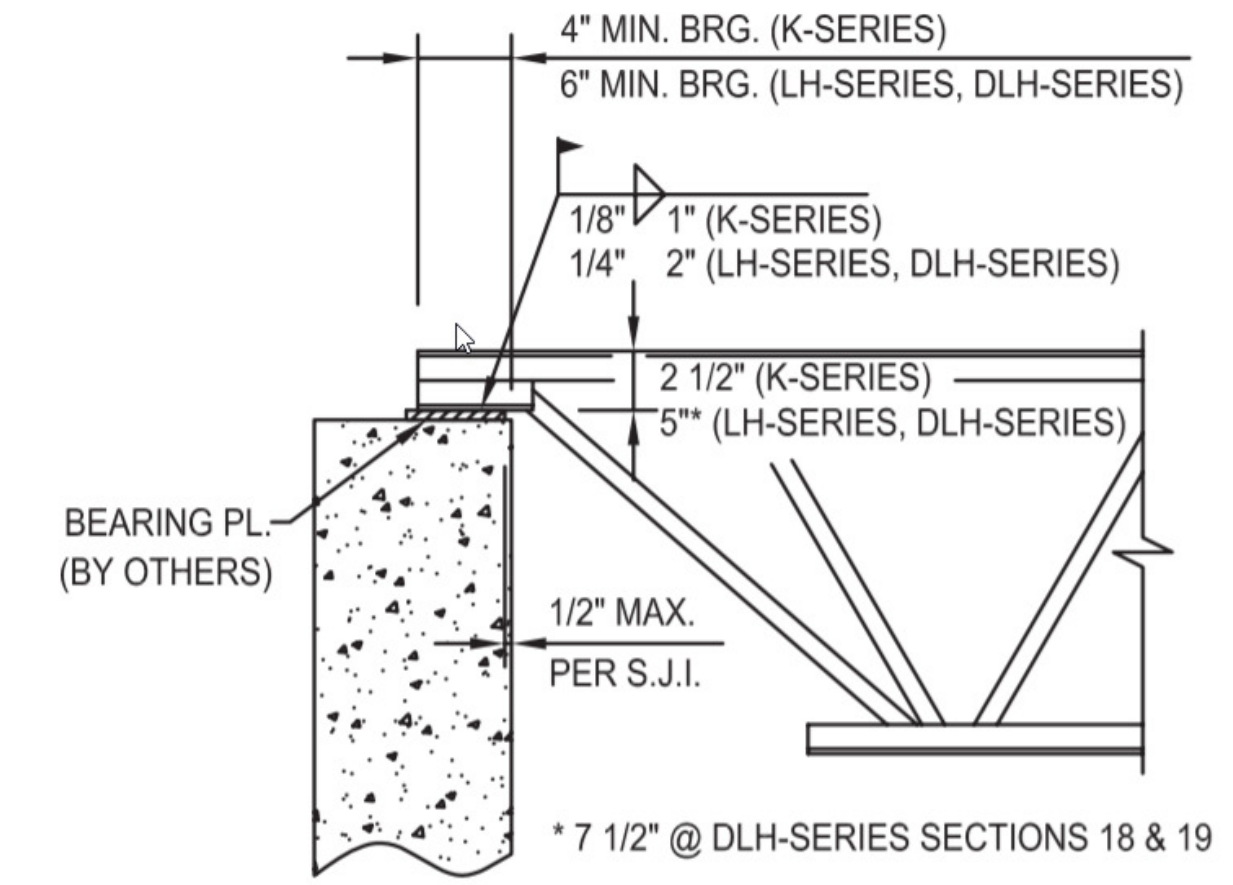
1. MECHANICALLY FASTEN DECK TO SUPPORTS WITH FASTENERS INDICATED BELOW. WELDING WILL NOT BE ALLOWED.

- JOISTS AND BEAMS: 3/16" <= t <= 3/8" USE HILTI X-HSN24
- JOISTS: 1/8" <= t <= 3/16" USE HILTI X-HSN24
- BEAMS & HEAVY JOISTS: t >= 1/4" USE HILTI X-ENP-19
- t = THICKNESS OF BASE MATERIAL

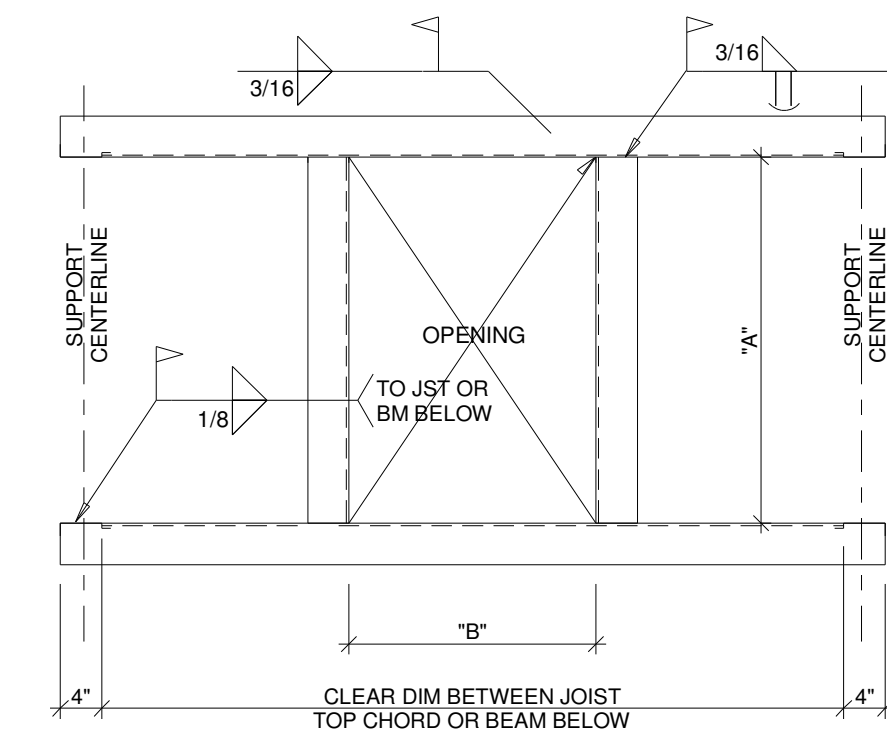
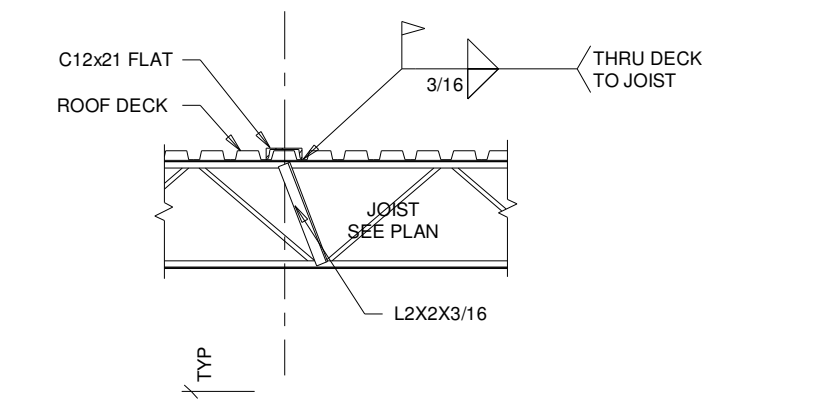
2. MINIMUM 1/8" MATERIAL THICKNESS REQUIRED AT JOIST TOP CHORDS.

**3 STEEL DECKING DETAILS**  
1" = 1'-0"

| STRUCTURAL ROOF WOOD JOIST |       |       |                     |       |        |        |                  |
|----------------------------|-------|-------|---------------------|-------|--------|--------|------------------|
| Length                     | Type  | Count | Elevation at Bottom | Depth | TL DEF | LL DEF | Phase Created    |
| 27' - 5 1/4"               | 18K10 | 17    | <varies>            | 18"   | 1/240  | 1/360  | New Construction |



**1 JOIST BEARING DETAILS**  
1/2" = 1'-0"



- DETAIL IS TYPICAL AT OPENINGS GREATER THAN 12', INCLUDING ROOF DRAINS & SUMPS
- DIMENSIONS 'A' & 'B' BY MECHANICAL CONTRACTOR & ROOF SUMP SUPPLIER
- PROVIDE C12 X 21 AT RTU CURB ( FLAT )
- SEE HVAC FOR LOCATION & SIZE REQUIRED

**2 RTU DETAILS**  
3/4" = 1'-0"

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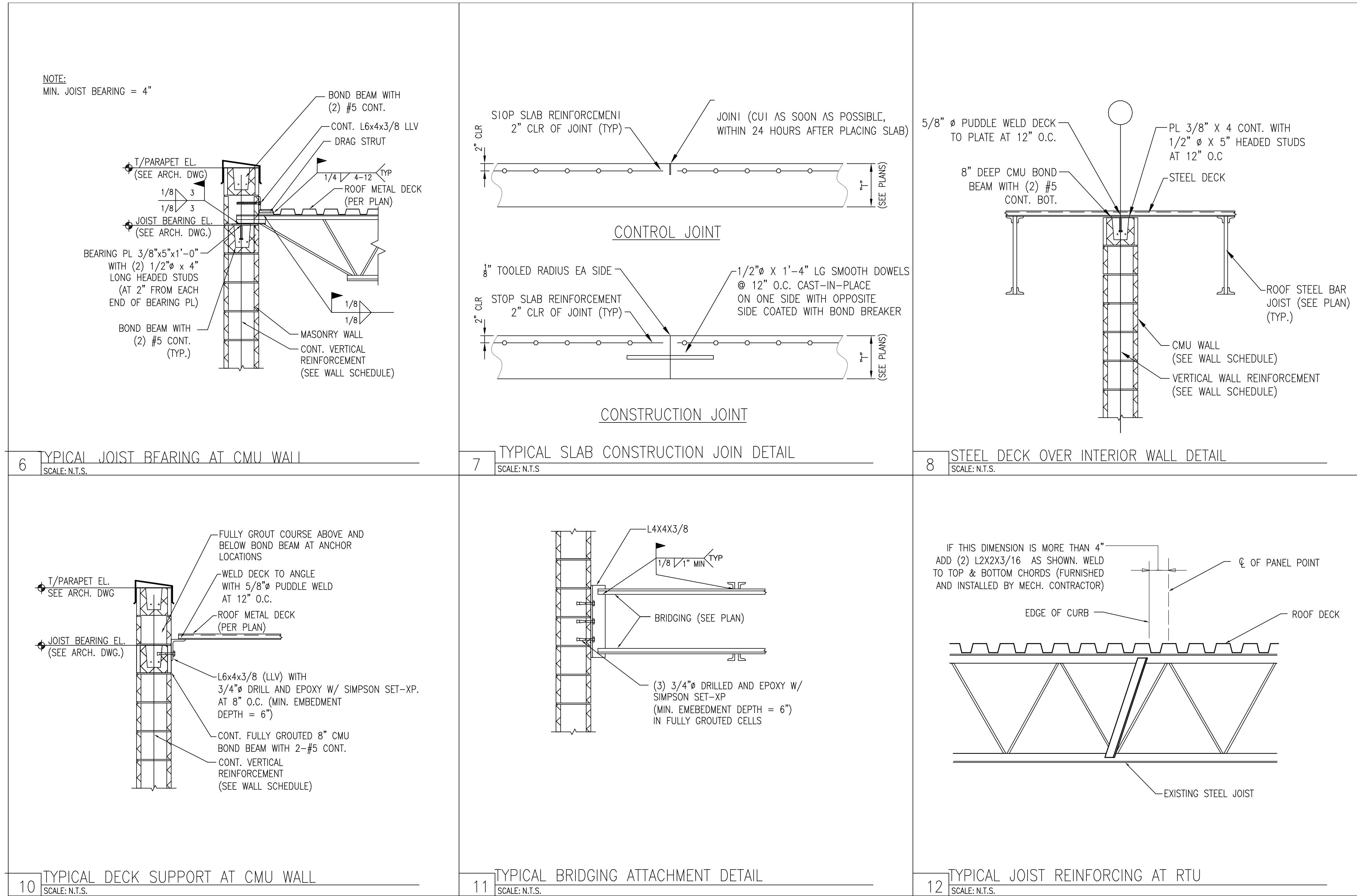
SCALE  
**VARIES**



**STRUCTURAL  
DETAILS**

**S1.1**

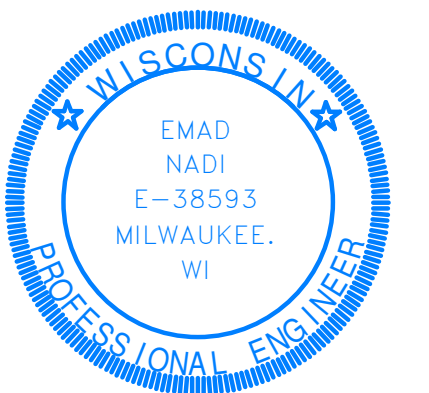
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|-------------------|----------|------|
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① STRUCTURAL DETAILS  
1" = 1'-0"

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SCALE  
**VARIES**



STRUCTURAL  
DETAILS

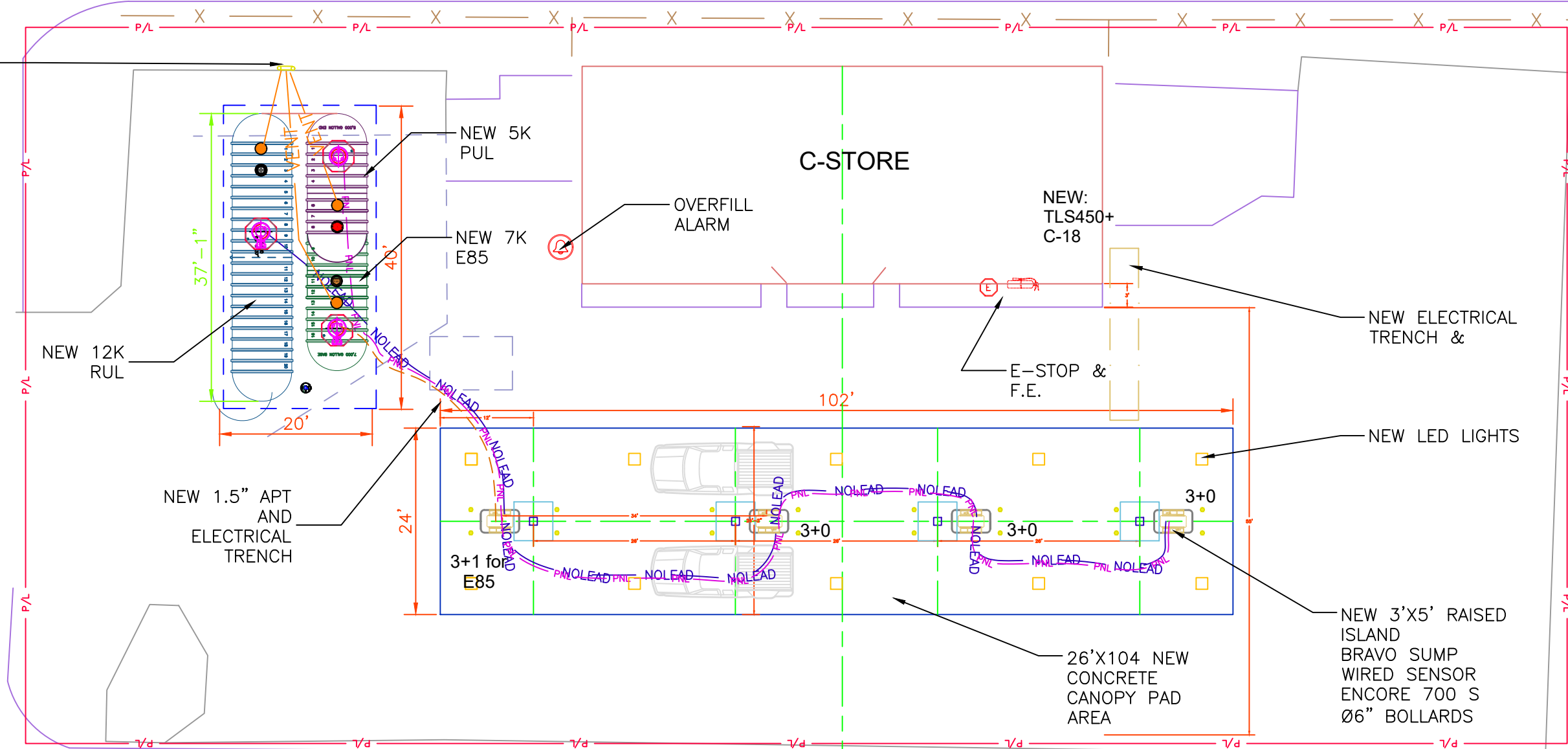
S1.2

12,000 GALLON UNLEADED  
5,000 GALLON PREMIUM UNLEADED  
7,000 GALLON E85

1.5" APT  
UNLEADED - 160'  
PREMIUM- 165'  
E85- 40'  
365' TOTAL

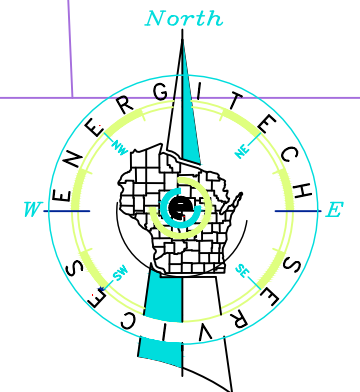
W HIBBARD AVE

NEW U-BUMP  
W/ VENT  
RISER



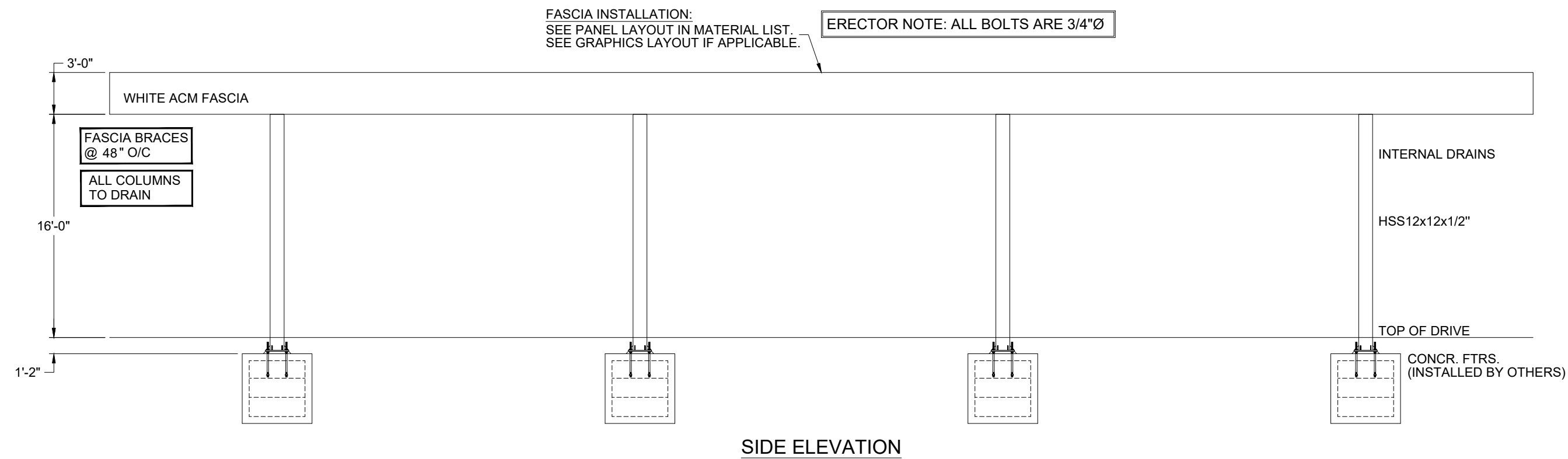
PROPOSED SITE LAYOUT

W BLUE MOUND RD



1/16" = 1' 11X17





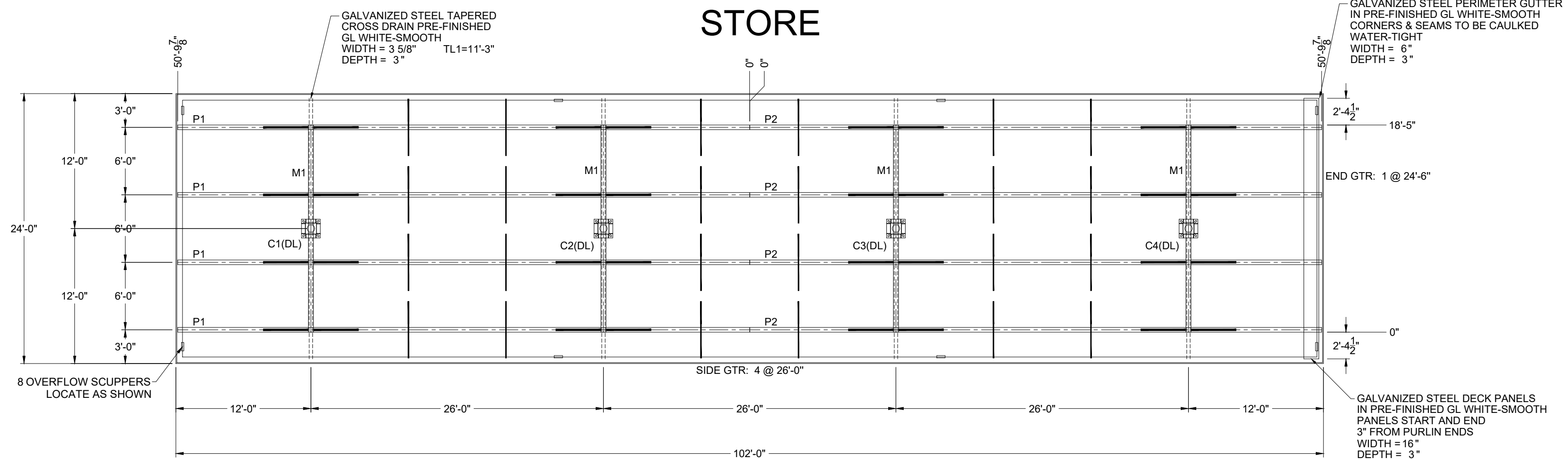
FASCIA INSTALLATION:  
SEE PANEL LAYOUT IN MATERIAL LIST.  
SEE GRAPHICS LAYOUT IF APPLICABLE.

ERECTOR NOTE: ALL BOLTS ARE 3/4"Ø

- 1'-2" PURLIN HEIGHT
- 1'-2" FOOTER SUBSET
- 16'-0" CLEARANCE HEIGHT
- + 0'-6" DECK & GUTTER DEPTH
- 18'-10" FOOTER TO MAINBEAM HEIGHT
- 0'-3" TOP & BOTTOM PLATE THICKNESS
- 18'-7" COLUMN CUT LENGTH

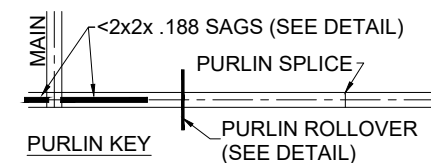
SIDE ELEVATION

STORE



CANOPY PLAN VIEW

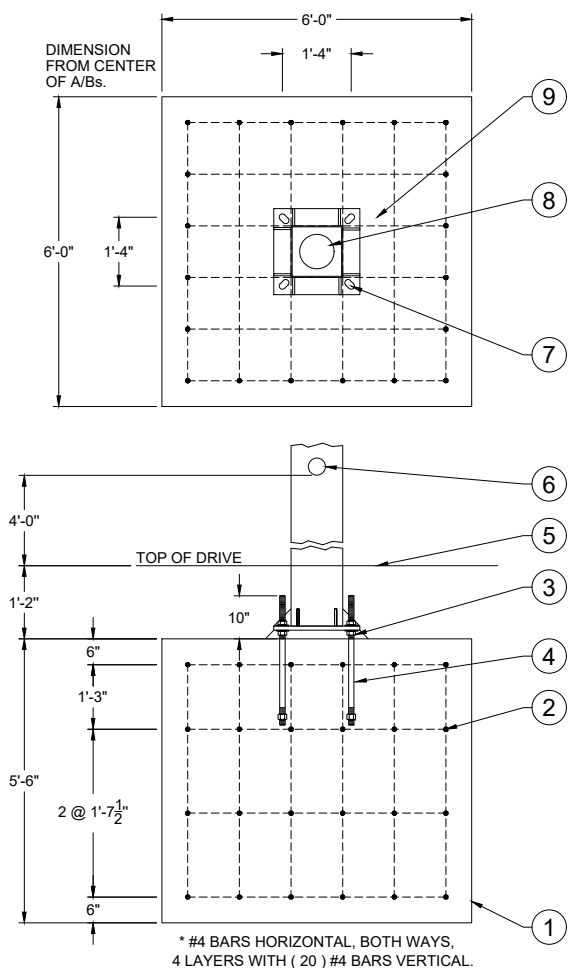
PURLINS ARE ("P" MARKS)  
W14x22 -U.N.O.  
MAIN BEAMS ARE ("M" MARKS)  
W16x31 -U.N.O.



FOOTER NOTES

1. CONCRETE BASE BY GENERAL CONTRACTOR.
2. SEE FOOTER DETAIL FOR REQUIRED REBAR SPACING. REBAR Fy= 60 ksi.
3. BASEPLATE TO BEAR ON LEVELING NUTS AND PLATE WASHERS TO CREATE A MINIMUM 1 1/8" GROUT POCKET. GENERAL CONTRACTOR MUST FILL UNDER THE BASE PLATE WITH A NON-SHRINK GROUT THAT MEETS THE PERFORMANCE REQUIREMENTS OF ASTM C 1107 AND CRD-C 621 SPECIFICATIONS FOR NON-SHRINK GROUT. MIXING AND PLACING OF GROUT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. 1 1/4"Ø x 30" LG. F1554 GRADE 55 ANCHOR BOLTS W/ HEAVY HEX NUT AND 10" THREADED PROJECTION WITH DOUBLE NUTS FOR PLUMBING AND LEVELING.
5. ALLOW A 36" SQUARE OPENING IN DRIVE AT COLUMNS FOR INSTALLATION OF ANCHOR BOLT NUTS. OPENING TO BE FILLED WITH CONCRETE AFTER ERECTION.
6. ELECTRICAL ACCESS OPENING (4"Ø HOLE) WITH 5"x6" COVER PLATE LOCATED APPROXIMATELY 4' ABOVE TOP OF DRIVE.
7. BASE PLATES ARE 20"x20" x 1/4" THK. GR. 50 STL. W/ (4) - 1 1/2"Ø BOLT HOLES ON 16" x 16" CENTERS
8. BASE PLATE HAS A 8"Ø HOLE FOR ELECTRICAL ACCESS.
9. UNLESS OTHERWISE NOTED, TOPS OF FOOTERS MUST BE HELD LEVEL AND ON THE SAME PLANE.
10. CONCRETE FOR FOOTERS SHALL ACHIEVE A MINIMUM COMPRESSION OF 4000 PSI.
11. FOOTING DESIGN IS BASED ON PRESUMPTIVE LOAD BEARING VALUES PROVIDED IN THE INTERNATIONAL BUILDING CODE, TABLE 1606.2. AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2000 PSF AND A LATERAL BEARING PRESSURE OF 150 PSF/FT SHALL BE VERIFIED IN THE FIELD. IT IS RECOMMENDED THAT FOOTINGS BEAR ON STABLE ORIGINAL, UNDISTURBED SUBGRADE OR SELECT CONTROLLED FILL (EXTENDING TO STABLE ORIGINAL, UNDISTURBED SUBGRADE). IF FIELD CONDITIONS AND TESTING INDICATE LESS CAPACITY OR DISTURBED SOIL, THE DETAIL SHOWN SHALL NOT BE USED AND TFC SHALL BE CONTACTED IMMEDIATELY TO REDESIGN THE FOOTINGS.

FOOTER DETAILS



ROAD



TFC CANOPY  
1107 N. TAYLOR RD.  
GARRETT, IN 46738  
PH. (260) 357-6665 FAX (260) 357-6533

LOCATION: 10636 W. Bluemound Road  
Wauwatosa, WI

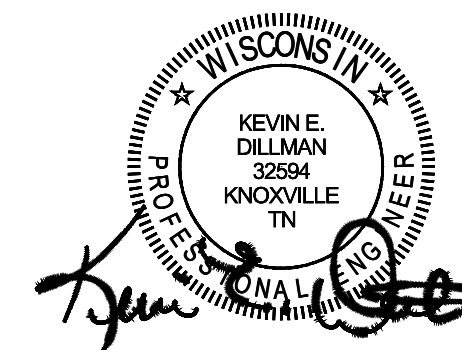
CUSTOMER: U.S. Petroleum Equipment  
Kimberly, WI

SCALE: DO NOT SCALE  
ENGINEER: KED

DATE: Dec-12-2024  
DRAWN BY: JFE

DRAWING NO.  
1 OF 3

CERTIFIED BY:



12/13/2024

| REV. | DESCRIPTION | DATE | BY |
|------|-------------|------|----|
|      |             |      |    |
|      |             |      |    |
|      |             |      |    |

ERECTOR   
 CONSTR   
 STEEL   
 JOB FILE

**JOB # 702342**

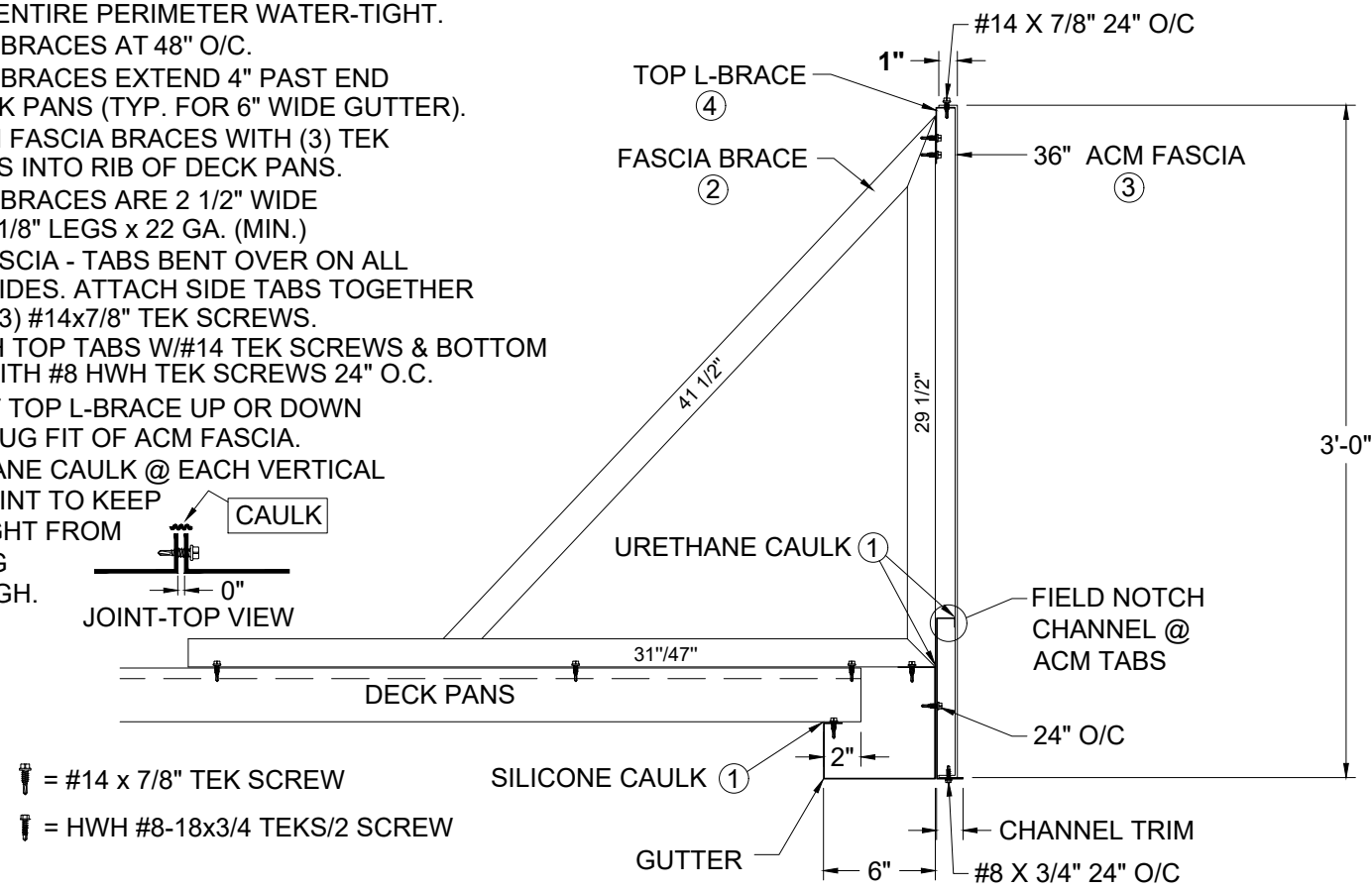
**PLAN VIEW & ELEVATIONS**

JOB REF. Peoples Properties



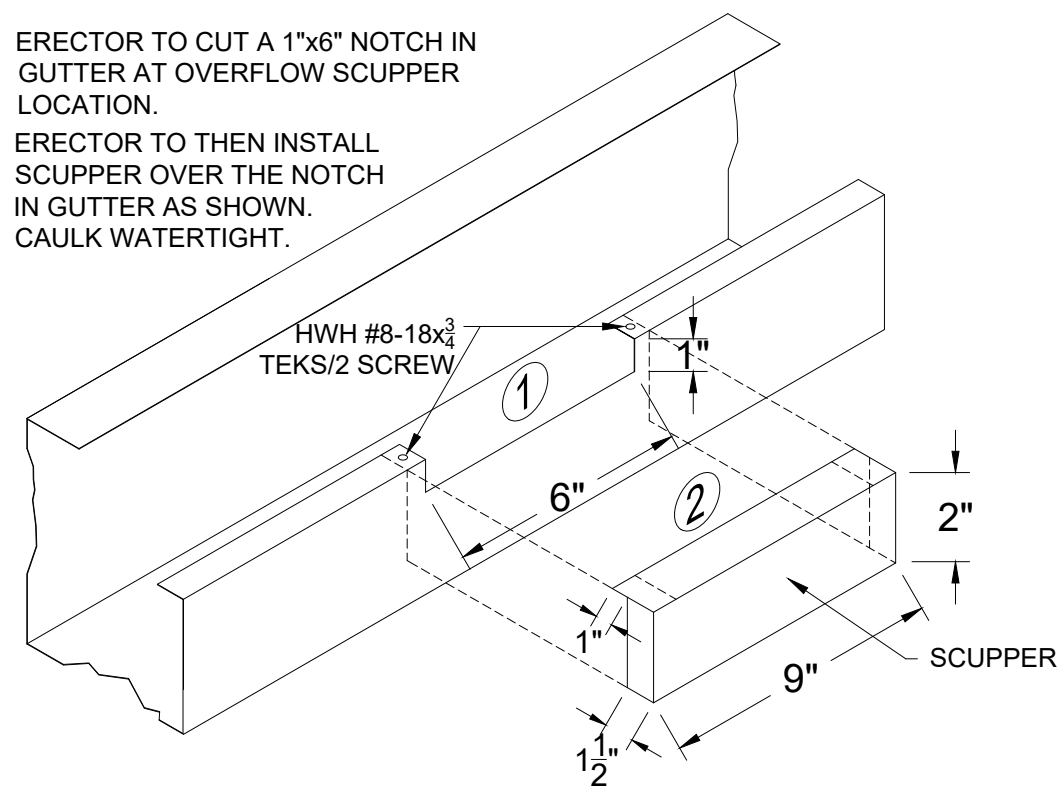
**NOTES**

1. CAULK ENTIRE PERIMETER WATER-TIGHT.
- 2 a. FASCIA BRACES AT 48" O/C.
- b. FASCIA BRACES EXTEND 4" PAST END OF DECK PANS (TYP. FOR 6" WIDE GUTTER).
- c. FASTEN FASCIA BRACES WITH (3) TEK SCREWS INTO RIB OF DECK PANS.
- d. FASCIA BRACES ARE 2 1/2" WIDE WITH 1 1/8" LEGS x 22 GA. (MIN.)
3. ACM FASCIA - TABS BENT OVER ON ALL FOUR SIDES. ATTACH SIDE TABS TOGETHER USING (3) #14x7/8" TEK SCREWS. ATTACH TOP TABS W/#14 TEK SCREWS & BOTTOM TABS WITH #8 HWH TEK SCREWS 24" O.C.
4. ADJUST TOP L-BRACE UP OR DOWN FOR SNUG FIT OF ACM FASCIA.
5. URETHANE CAULK @ EACH VERTICAL ACM JOINT TO KEEP ANY LIGHT FROM SHINING THROUGH.

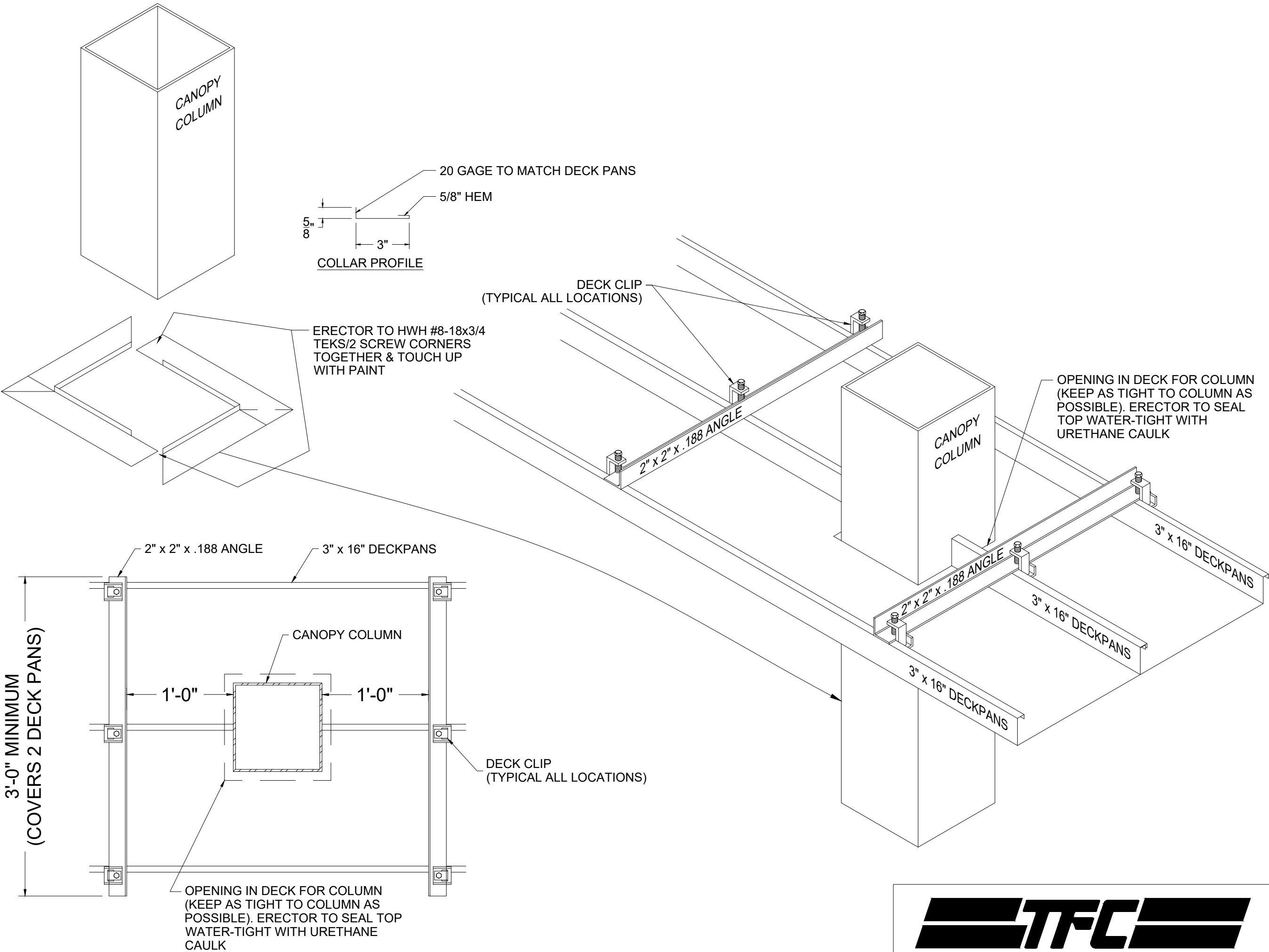


**36" ACM FASCIA**

1. ERECTOR TO CUT A 1"x6" NOTCH IN GUTTER AT OVERFLOW SCUPPER LOCATION.
2. ERECTOR TO THEN INSTALL SCUPPER OVER THE NOTCH IN GUTTER AS SHOWN. CAULK WATERTIGHT.

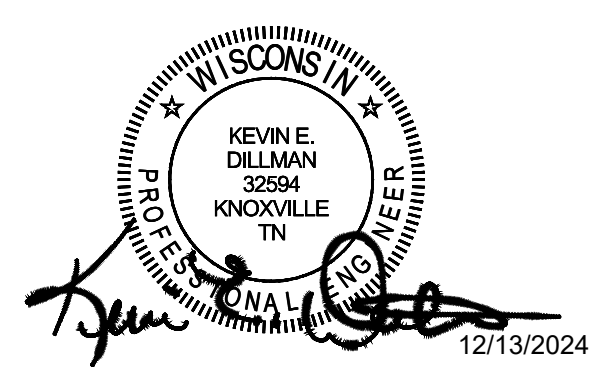


**OVERFLOW SCUPPER**



**DECK SUPPORT AT COLUMNS**

CERTIFIED BY:



|              |                                          |                    |
|--------------|------------------------------------------|--------------------|
| LOCATION:    | 10636 W. Bluemound Road<br>Wauwatosa, WI |                    |
| CUSTOMER:    | U.S. Petroleum Equipment<br>Kimberly, WI |                    |
| SCALE:       | ENGINEER: KED                            | DRAWING NO. 3 OF 3 |
| DO NOT SCALE | DRAWN BY: JFE                            |                    |
| DATE:        |                                          |                    |
| Dec-12-2024  |                                          |                    |

|                                                                                                                                   |             |      |    |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------|------|----|
| REV.                                                                                                                              | DESCRIPTION | DATE | BY |
|                                                                                                                                   |             |      |    |
| <input type="checkbox"/> ERECTOR <input type="checkbox"/> CONSTR <input type="checkbox"/> STEEL <input type="checkbox"/> JOB FILE |             |      |    |
| <b>JOB # 702342</b>                                                                                                               |             |      |    |
| <b>DETAILS</b>                                                                                                                    |             |      |    |
| JOB REF. Peoples Properties                                                                                                       |             |      |    |

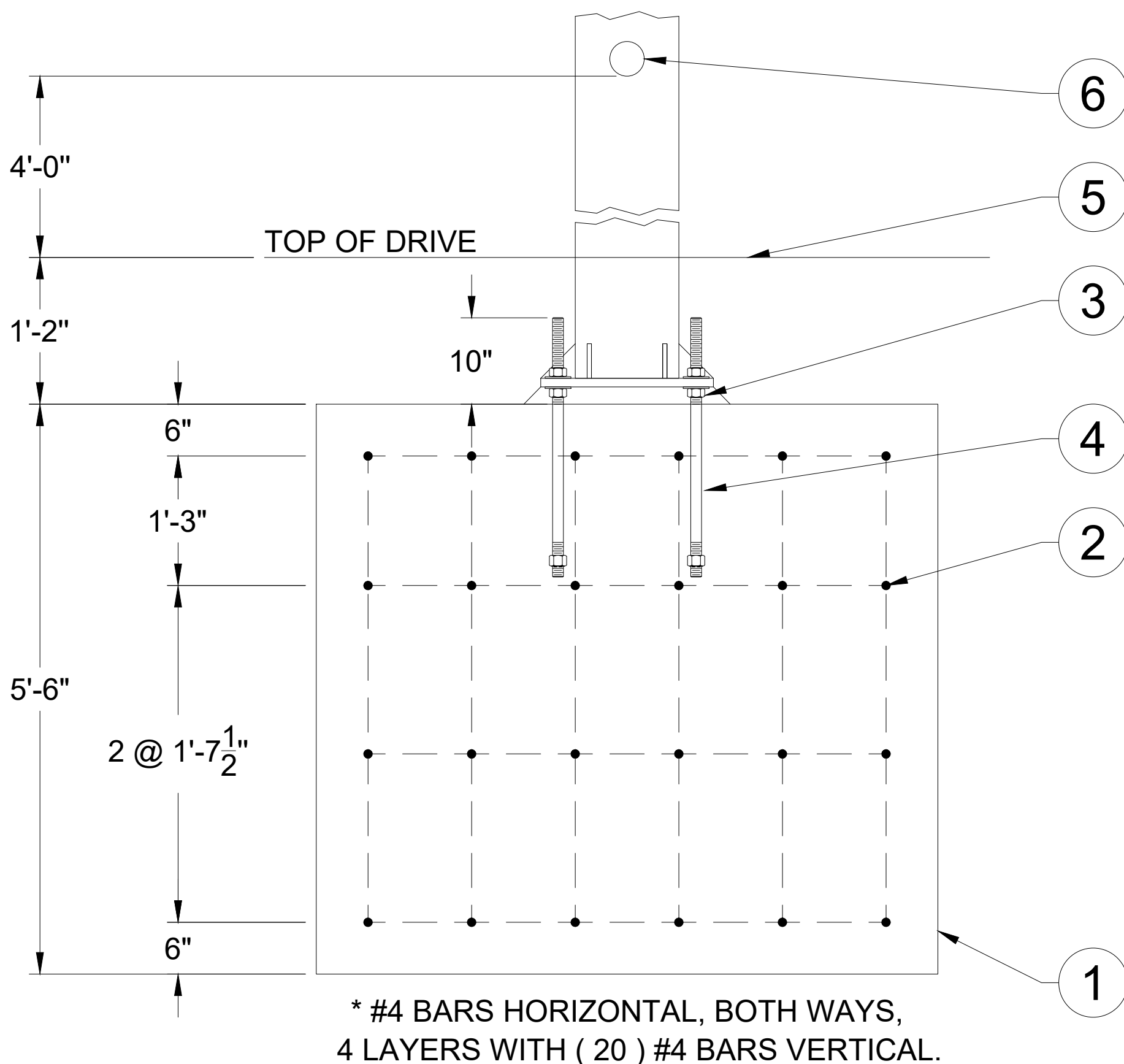
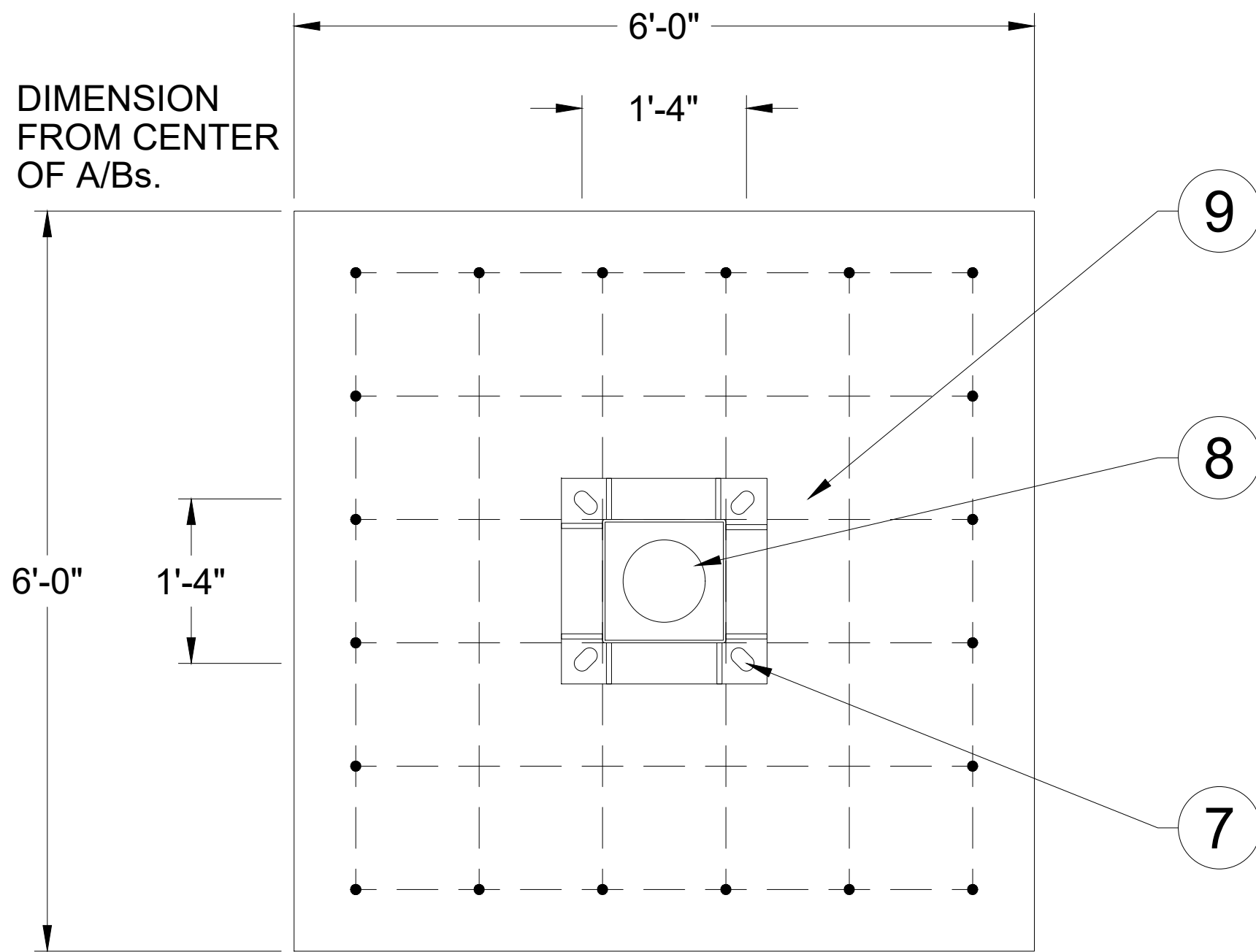


# !! CONTRACTOR NOTE !!

AT THE TIME FOOTINGS ARE TO BE POURED, THE CONTRACTOR SHALL CALL TFC CANOPY TO VERIFY FOOTING SIZES, DEPTH OF FOOTINGS, BOLT PATTERNS, AND COLUMN CENTERS. IF CONTRACTOR FAILS TO CALL TFC CANOPY FOR VERIFICATION ON THE DAY FOOTINGS AND ANCHOR BOLTS ARE INSTALLED, TFC CANOPY SHALL NOT BE HELD LIABLE. CALL (260) 357-6665

## FOOTER NOTES

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2. SEE FOOTER DETAIL FOR REQUIRED REBAR SPACING. REBAR Fy= 60 ksi.
3. BASEPLATE TO BEAR ON LEVELING NUTS AND PLATE WASHERS TO CREATE A MINIMUM 1 1/8" GROUT POCKET. GENERAL CONTRACTOR MUST FILL UNDER THE BASE PLATE WITH A NON-SHRINK GROUT THAT MEETS THE PERFORMANCE REQUIREMENTS OF ASTM C 1107 AND CRD-C 621 SPECIFICATIONS FOR NON-SHRINK GROUT. MIXING AND PLACING OF GROUT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
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TFC RECOMMENDED FOOTING DETAIL FOR THIS CANOPY. IF EXISTING OR ALTERNATE FOOTING IS USED, TFC CANOPY ASSUMES NO LIABILITY FOR LOSS OR DAMAGES CAUSED DIRECTLY OR INDIRECTLY BY FOOTINGS AND/ OR ANCHOR BOLTS.

### NOTE:

FOOTER DETAIL APPLIES TO CANOPY OF DIMENSIONS SHOWN ON SHEET 1 OF 2.

## FOOTING DETAILS

## SHEET 2 OF 2

DATE: Dec-12-2024  
 JOB NO: 702342  
 JOB REF: Peoples Properties  
 CUST: U.S. Petroleum Equipment  
 LOC: Wauwatosa, WI

TFC CANOPY  
 1107 NORTH TAYLOR RD.  
 GARRETT, IN 46738  
 FAX - (260) 357-6533  
 PHONE - (260) 357-6665

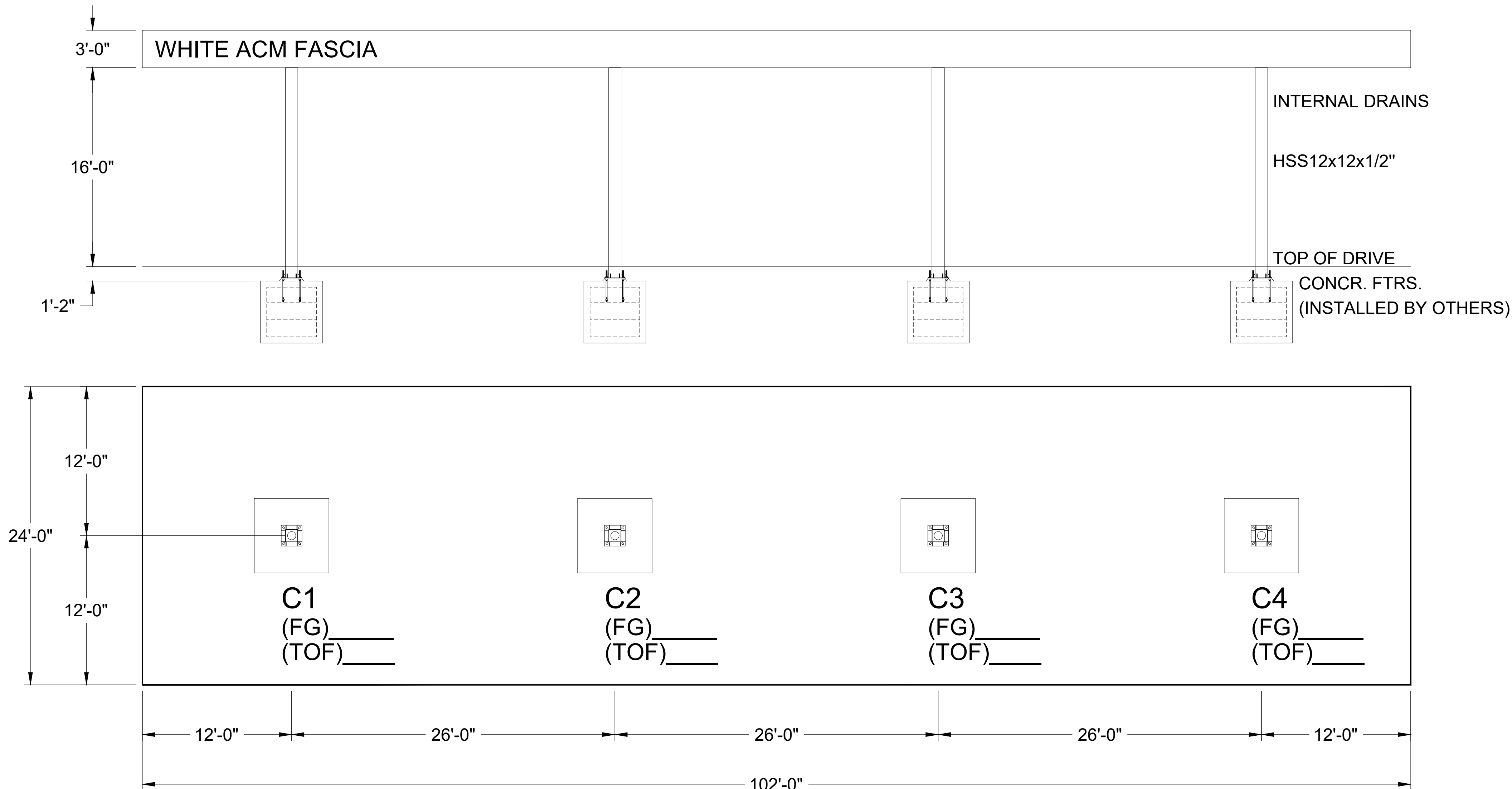


" QUICKIE PRELIM "  
 CUSTOMER TO REVISE IF NEEDED,  
 THEN SIGN AND RETURN

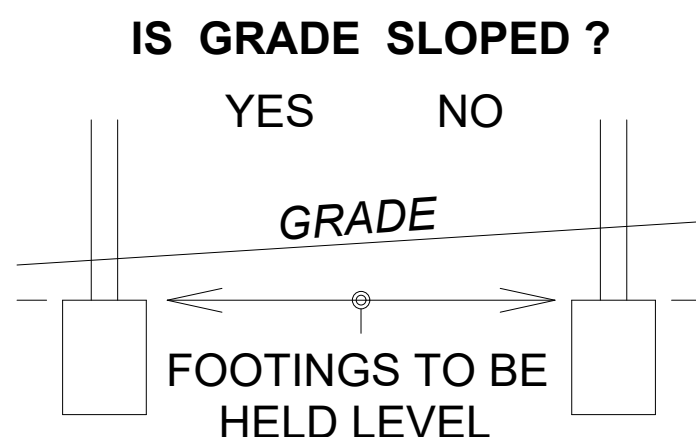
\*STORE AND ROAD/ROADS  
 TO BE INDICATED ON DRAWING

ABBREVIATIONS:  
 (FG) \_\_\_\_\_ ~ FINISHED GRADE ELEVATION  
 (TOF) \_\_\_\_\_ ~ TOP OF FOOTER ELEVATION

TFC is the canopy Structural Engineer ONLY. All Site questions need to be posed to appropriate Design Professional.  
 TFC provides a courtesy/layout verification drawing based on customer quote requests. Drawing is for canopy layout verification ONLY.



**CONTRACTOR TO CALL TFC CANOPY**  
 AT TIME FOOTINGS ARE TO BE  
 Poured TO VERIFY FOOTING SIZES,  
 FOOTING DEPTHS, ANCHOR BOLT  
 PATTERNS, COLUMN CENTERS AND  
 THE AMOUNT OF SLOPE IN GRADE.  
 FAILURE TO CALL SHALL RELEASE TFC  
 FROM ANY ASSOCIATED LIABILITY.



**CUSTOMER TO INDICATE:**  
**LOCATIONS & DIRECTIONS OF**  
**STORE & ROADS. DRAINS,**  
**VENTS, CONDUITS.**  
**SIGN LOCATIONS. COL. WRAPS.**  
**GRADE INFO.**

ALL TFC COLUMNS TO DRAIN  
 UNLESS NOTED OTHERWISE

**SHEET 1 OF 2**

DATE: Dec-12-2024

JOB: 702342

JOB REF: Peoples Properties

CUST: U.S. Petroleum Equipment

JOB LO: Wauwatosa, WI



TFC CANOPY  
 1107 NORTH TAYLOR RD.  
 GARRETT, IN 46738

FAX - (260) 357-6533  
 PHONE - (260) 357-6665