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## PROJECT NO. H0006 06-25-00121 DATE

JUNE 16, 2025

# A NEW FACILITY FOR: VILLAGE OF HARRISON - FARMERS FIELD

W5807 MANITOWOC ROAD, MENASHA, WI 54952

## SHEET INDEX

SHEET NO.	SHEET DESCRIPTION	ISSUED FOR BIDDING & DSPS REVIEW JUNE 16, 2025		
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G001	TITLE SHEET	X		
G002	WALL SCHEDULE, ABBREVIATIONS & SYMBOL LEGEND	X		
G003	ARCHITECTURAL SPECIFICATIONS	X		
G004	ARCHITECTURAL SPECIFICATIONS	Х		
G012	LIFE SAFETY PLAN	Х		
G013	SITE PLAN	X		
ARCHITECTUR	_  RAL			
A211	FIRST FLOOR PLAN	Х		
A231	ROOF PLAN	Х		
A241	FINISH PLAN	Х		
A271	REFLECTED CEILING PLAN	Х		
A291	DOOR SCHEDULE, DOOR & WINDOW ELEVATIONS	X		
A292	DOOR & WINDOW DETAILS	Х		
A301	EXTERIOR ELEVATIONS	Х		
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A311	BUILDING SECTIONS	Х		
A312	BUILDING SECTIONS	Х		
A351	WALL SECTIONS	Х		
A352	WALL SECTIONS	Х		
A353	WALL SECTIONS	Х		
A411	ENLARGED RESTROOM AND INTERIOR ELEVATIONS	X		
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STRUCTURAL				
S101	STRUCTURAL SPECIFICATIONS	X		
S101	STRUCTURAL SCHEDULES	X		
S201	FOUNDATION PLAN	X		
S201	ROOF FRAMING PLAN	X		
S301	FOUNDATION DETAILS	X		
S401	GENERAL FRAMING & MASONRY DETAILS	X		

## PROJECT LOCATION MAP



PROJECT LOCATION-

## **DESIGN TEAM**

1445 McMAHON DRIVE

#### **STRUCTURAL**

1445 McMAHON DRIVE

McMAHON 1445 McMAHON DRIVE NEENAH, WI 54956 (920) 751-4200 PROJECT MANAGER: LEE REIBOLD E-MAIL: LREIBOLD@MCMGRP.COM

DESIGN/BUILD

## **MECHANICAL**

DESIGN/BUILD

## **ELECTRICAL**

DESIGN/BUILD

IMPORTANT NOTICE: THE DRAWINGS AND THE SPECIFICATIONS TOGETHER REPRESENT THE CONSTRUCTION DOCUMENTS, AND AS SUCH, MUST BE USED TOGETHER AS THE BASIS OF DESIGN. THE CONTRACTOR IS SPECIFICALLY INSTRUCTED NOT TO LIMIT THEIR UNDERSTANDING OF THE SCOPE OF THIS PROJECT BASED UPON THE SPECIFICATIONS INDEX. THE CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION IN BOTH THE DRAWINGS AND SPECIFICATIONS, AND IS THEREFORE, REQUIRED TO PROVIDE ALL DEFINED, AND REASONABLY IMPLIED, SCOPE OF WORK NO MATTER WHERE IT APPEARS IN THE CONSTRUCTION DOCUMENTS. IN ADDITION, THE CONTRACTOR IS TO REVIEW ANY FORMALLY PROVIDED MODIFICATIONS, CLARIFICATIONS, ADDENDUMS AND/OR OTHER INFORMATION AND INCORPORATE THAT INFORMATION INTO THE CONTRACTOR'S UNDERSTANDING OF THE SCOPE OF THE PROJECT.

WALL TYPE LEGEND

NOT TO SCALE

**GENERAL WALL NOTES** 

- SEAL ALL INTERIOR WALL PARTITION INTERSECTIONS AT FLOORS, CEILINGS/STRUCTURE, AND OTHER WALLS WITH ACOUSTIC SEALANT.
- PROVIDE 5/8" TYPE "X" GYP BD
- INSTALL BLOCKING OR BACKER MATERIAL FOR ATTACHMENT/MOUNTING OF WALL HUNG ITEMS OR EQUIPMENT.
- BULLNOSE ALL INTERIOR CMU WALLS AT OUTSIDE CORNERS, WALL ENDS, WINDOW JAMBS, AND WINDOW SILLS WHERE NO OTHER SILL IS SCHEDULED.

  ALL WALL TYPES CLICKLIN THE LEGEND MAY NOT BE LIGHT.

ALL WALL TYPES SHOWN IN THIS LEGEND MAY NOT BE USED, SEE PLANS FOR WALL TYPES.

**INTERIOR WALL PLAN KEY** 

WOOD STUD PARTITION

CMU WALL (CONCRETE MASONRY UNIT)

AT CT ACOUSTICAL TILE DA AMERICANS W/ DISABILITIES ACT DDL ADDITIONAL DJ ADJUSTABLE FF ABOVE FINISHED FLOOR LT ALTERNATE / ALTERNATIVE LUM ALUMINUM LDG BUILDING LKG BLOCKING DT BOTTOM RG BEARING L/ C CENTERLINE AB CABINET L CONTROL JOINT LG CEILING LO CLOSET LR CLEAR MU CONCRETE MASONRY UNIT DONC CONCRETE DONST CONSTRUCTION DONT CONTINUOUS DORD COORDINATE DORR CORRIDOR IR CENTER F DRINKING FOUNTAIN A / Ø DIAMETER M DIMENSION S DOWNSPOUT IL DETAIL W DISHWASHER NG DRAWING A EACH F EACH FACE LEC ELECTRIC / ELECTRICAL LEV ELEVATION NCL ENCLOSED QUIP EQUIPMENT W EACH WAY NC ELECTRIC WATER COOLER

	SYMBO	DL KEY	
DIRECTION SECTION IS CUT  SECTION NUMBER  A351  SHEET SECTION APPEARS ON	ELEVATION NUMBER A351 SHEET ELEVATION APPEARS ON	DESCRIPTION FIRST FLOOR 100'-0" ELEVATION	GRID DESIGNATION
SECTION	<u>ELEVATION</u>	ELEVATION DATUM	COLUMN GRID
DETAIL NUMBER A351 SHEET DETAIL APPEARS ON	DIRECTION OF ELEVATION  A351  2 — ELEVATION NUMBER  SHEET ELEVATION APPEARS ON	ROOM ——ROOM NAME  101 ——ROOM NUMBER	CEILING TYPE CEILING HEIGHT
<u>DETAIL</u>	INTERIOR ELEVATION	ROOM NAME & NUMBER	<b>CEILING KEY</b>
TYPE ID E1 ELEMENT DESCRIPTION	W01 WINDOW NUMBER	2	REVISION CLOUD AROUND REVISED ITEMS
EQUIPMENT TYPE	WINDOW TYPE	PLAN KEYNOTE	REVISION
-WALL ID	DOOR NUMBER	A1	⟨1A⟩
WALL TYPE	DOOR TYPE	ACCESSORY KEYNOTE	DEMOLITION KEYNOTE

McMAHON	ENGINEERS \ ARCHITECTS	MCMAHON ASSOCIATES, INC. 1445 MCMAHON DRIVE NEENAH, WI 54956 Mailing: D.O.R.O.Y. 1025, NEENAH, WI 54057, 1025	Tel: (920) 751-4200 Fax: (920) 751-4284	www.mcmgrp.com
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WALL SCHEDULE, ABBREVIATIONS & SYMBOL LEGEND

H0006 06-25-00121

Basis of Design:

Stego Industries LLC; Stego Wrap Vapor Barrier (15-mil): www.stegoindustries.com/#sle. Accessory Products: Vapor barrier manufacturer's recommended tape, adhesive, mastic, etc., for sealing seams and penetrations in vapor

PART 3 EXECUTION 2.1 INSTALLATION

Install vapor barrier in accordance with manufacturer's instructions and ASTM E1643. Install vapor barrier under interior slabs on grade; lap sheet over footings and seal to foundation walls.

#### **SECTION 03 35 43** POLISHED CONCRETE FINISHING

PART 2 PRODUCTS 1.1 POLISHED CONCRETE FINISHING PRODUCTS

Manufacturer: LATICRETE International, Inc Contact: One LATICRETE Park North Bethany, CT 06524; Telephone: 203-393-0010; Website: www.LMCC.com, www.fgsermashine.com; Email: technical services@laticrete.com

Proprietary Products/Systems: Hardener, Sealer, Densifier: Proprietary, water based, odorless liquid, VOC compliant, environmentally safe chemical hardening solution leaving no surface film. Acceptable Material: LATICRETE International, Inc., FGS Hardener Plus, Basis of design.

Acceptable Material: LATICRETE International, Inc. Lion Hard may be substituted when conditions exist where disposing of rise water is in conflict with local building codes. Joint Filler: Semi-rigid, 2-component, self-leveling, 100% solids, rapid curing, polyurea control joint filler with Shore A 80 or higher

Acceptable Material: LATICRETE International, Inc., Joint Tite 750. Concrete Dyes: Fast-drying dye, packaged in premeasured units ready for mixing with water or FOC exempt solvent; formulated for application to polished cementitious surfaces.

Acceptable Material: LATICRETE International, Inc., Vivid Dye or Vivid Dye WB Plus. 4. Cleaning Solution: Proprietary, mild, highly concentrated liquid concrete cleaner and conditioner containing wetting and emulsifying agents; biodegradable, environmentally safe and certified High Traction by National Floor Safety Institute (NFSI).

Acceptable Material: LATICRETE International, Inc. FGS Concrete Conditioner. Stain Guard Sealer: Ready to use, is a low odor, VOC compliant, topical sealer consisting of low molecular emulsified cross-linking, coupling polymers that effectively protect concrete and other natural stone floor surfaces from the damaging effects of staining, defacing and deterioration due to contaminant penetraton.

a. Acceptable Material; LATICRETE International, Inc. Permaguard SPS. PART 3 EXECUTION

2.1 INSTALLATION

A. Floor Surface Polishing and Treatment:

Provide polished concrete floor treatment in entirety of slab indicated by drawings. Provide consistent finish in all contingous areas. Diamond polish concrete floor surfaces with power disc machine recommended by floor finish manufacturer. Sequence with coarse to fine grit. Installer to determine the optimum starting frit in order to achieve the specified aggregate exposure.

 Expose aggregate in concrete surface only as determined by approved sample. All concrete surfaces shall be as uniform in appearance as possible. Dyed and Polished Concrete

Locate demarcation line between dyed surfaces and other finishes. Polish concrete to the 400 grit level (200 grit for water based dyes). Apply pre-mixed dyes to polished concrete surface.

Allow dye to dry.

Remove residue with water and buffer pad; reapply as necessary to desired result.

4. Apply FGS Hardener Plus, Hardener, Densifier (or Lion Hard) as follows: First coat of FGS Hardener Plus at 250 ft2/gal (6.25 m2/L), following the 400 grit level. (Lion Hard at 400-600 sq ft/gallon).

Second coat of FGS Hardener Plus at 350 ft2/gal (8.75 m2/L), prior to the final polishing pass. (Lion Hard at 600-800 sq Follow manufacturer's recommendations for drying time between successive coats.

Remove defects and re-polish defective areas. Finish edges of floor finish adjoining other materials in a clean and sharp manner.

2.2 ADJUSTMENTS Re-polish those areas not meeting specified glosslevels per mock-up. Fill joints flush to surface prior to the start of polishing operations

Finish Semi-Polished, Medium Gloss, Level 3, Color as selected by Architect.

FINAL CLEANING

 Upon completion, General Contractor must remove surplus and excess materials, rubbish, tools and equipment. 2.4 SCHEDULE

#### **SECTION 03 39 01** CONCRETE CURING

PART 2 PRODUCTS 1.1 CURING MATERIALS

> A. Curing compound, liquid, membrane-forming, clear, non-yellowing; complying with ASTM C309 and ASTM C1315. Application: Use at exposed concrete floors.

Vehicle: Epoxy and chlorinated rubber. Gloss: High.

VOC Content: Less than 350 g/I. TK Products: TK-Trikote 26 UV VOC.

PART 3 EXECUTION 2.1 INSTALLATION

Install in accordance with manufacturer's instructions.

Cure floor surfaces in accordance with ACI 308 and manufacturer's instructions. Membrane Curing Compound: Apply curing compound in accordance with manufacturer's instructions in 2 coats with second coat applied

#### DIVISION 04 - MASONRY **SECTION 04 20 00** UNIT MASONRY

PART 1 GENERAL

2.1 CONCRETE MASONRY UNITS

1.1 SUBMITTALS A. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, masonry accessories, and anchors. PART 2 PRODUCTS

A. Concrete Block: Comply with referenced standards and as follows: Special Shapes: Provide nonstandard blocks configured for corners

Provide bullnose units for outside corners at interior of building.

Non-Loadbearing Units: ASTM C129. Hollow block.

Normal weight.

Split faced, colored block. Cap Stone: Oolitic Limestone. Indiana Oolitic Limestone complying with ASTM C568/C568M Classification II - Medium Density. Color: Buff.

Grain Direction: Horizontal. Surface Finish: Smooth Face as described in ASTM C119 and ASTM C1528/C1528M. 2.2 MORTAR MATERIALS

Portland Cement: ASTM C150/C150M, Type I; color as required to produce approved color sample. Hydrated Lime: ASTM C207, Type S.

Mortar Aggregate: ASTM C144.

Grout Aggregate: ASTM C404. Pigments for Colored Mortar: Pure, concentrated mineral pigments specifically intended for mixing into mortar and complying with ASTM

C979/C979M 2.3 REINFORCEMENT AND ANCHORAGE

Single Wythe Joint Reinforcement: ASTM A951/A951M.

Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M Class 3. Size: 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not less than 5/8 inch of mortar coverage on each

Masonry Veneer Anchors: 2-piece anchors between masonry veneer and structural backup, stainless steel. Anchor plates: Not less than 0.075 inch thick, designed for fastening to structural backup through sheathing by two fasteners; provide design with legs that penetrate sheathing and insulation to provide positive anchorage.

Hohman & Barnard: 2 SEAL THERMAL WING anchors. Wire ties: Manufacturer's standard shape, 0.1875 inch thick.

Vertical adjustment: Not less than 3-1/2 inches. 2.4 FLASHINGS

Membrane Asphaltic Flashing Materials: Rubberized Asphalt Flashing: Self-adhering polymer modified asphalt sheet; 40 mils (0.040 inch) minimum total thickness; 8 mil cross-laminated polyethylene bonded to adhesive rubberized asphalt, with a removable release liner. Manufacturers:

Advanced Building Products, Inc; Strip-N-Flash: www.advancedbuildingproducts.com/#sle. Heckmann Building Products, Inc; No: 82 Rubberized Asphalt Thru Wall flashing: www.heckmannbuildingprods.com/#sle WIRE-BOND; Aquaflash 500: www.wirebond.com/#sle.

Flashing Sealant/Adhesives: Silicone, polyurethane, or silyl-terminated polyether/polyurethane or other type required or recommended by flashing manufacturer; type capable of adhering to type of flashing used.

Termination Bars: Stainless steel; compatible with membrane and adhesives. Drip Edge: Stainless steel; angled drip with hemmed edge; compatible with membrane and adhesives.

ACCESSORIES Cavity Mortar Control: Semi-rigid polyethylene or polyester mesh panels, sized to thickness of wall cavity, and designed to prevent mortar droppings from clogging weeps and cavity vents and allow proper cavity drainage.

Weeps: Type: Polyester mesh.

PART 3 EXECUTION

2.6 MORTAR MIXING A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.

Exterior, non-loadbearing masonry: Type N.

Interior, non-loadbearing masonry: Type N. Colored Mortar: Proportion selected pigments and other ingredients to match Architect's sample, without exceeding manufacturer's recommended pigment-to-cement ratio.

3.1 COURSING

Concrete Masonry Units: Bond: Running.

Mortar Joints: Concave.

3.2 MASONRY FLASHINGS Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will

Install vertical leg of flashing over fluid-applied or self-adhered air/vapor barriers over backing or per manufacturer's directions. Anchor vertical leg of flashing into backing with a termination bar and sealant. Extend metal flashings to within 1/2 inch of exterior face of masonry and adhere to top of stainless steel angled drip with hemmed edge. Lap end joints of flashings at least 6 inches, minimum, and seal watertight with flashing sealant/adhesive.

3.3 CONTROL AND EXPANSION JOINTS Form control joint with a sheet building paper bond breaker fitted to one side of the block unit. Fill the resultant space with grout fill. Rake joint at exposed unit faces for placement of backer rod and sealant.

#### DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES **SECTION 06 10 00** ROUGH CARPENTRY

PART 2 PRODUCTS

1.1 GENERAL REQUIREMENTS Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies. 1.2 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

Terminate flashing up 8 inches minimum on vertical surface of backing:

Sizes: Nominal sizes as indicated on drawings, S4S. Moisture Content: S-dry or MC19.

Stud Framing (2 by 2 through 2 by 6): Species: SPF. Grade: No. 2.

Sheathing Panel:

Joist, Rafter, and Small Beam Framing (2 by 6 through 4 by 16): Species: Spruce-Pine-Fir (South).

Grade: No. 2. Sizes: Nominal sizes as indicated on drawings, S4S. Moisture Content: S-dry (19 percent maximum).

Beams and Posts 5 inches and over in thickness: Species: Douglas Fir.

Grade: No. 1.

1.4 CONSTRUCTION PANELS Roof Sheathing: APA rated sheathing structural wood panel, PS 1-83, G-2, Exposure 1, C-D grade

a. Grade: Sheathing. Size: 4 feet wide by 8 feet long. Thickness: 5/8-inch. Span Rating: 40/20.

Wall Sheathing: Plywood, PS 1, Grade C-D, Exposure I. Edge Profile: Square Edge. Bond Classification: Interior.

C. Other Applications: Interior walls Plywood Exposed to View but Not Exposed to Weather: PS 1, A-D, or better.

applicable codes and AWC (WFCM) Wood Frame Construction Manual.

1.5 ACCESSORIES A. Fasteners and Anchors: Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood

locations, unfinished steel elsewhere. Drywall Screws: Bugle head, hardened steel, power driven type, length three times thickness of sheathing. B. Die-Stamped Connectors: Hot dipped galvanized steel, sized to suit framing conditions.

PART 3 EXECUTION 2.1 FRAMING INSTALLATION Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members. Install structural members full length without splices. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by

2.2 INSTALLATION OF CONSTRUCTION PANELS Roof Sheathing: Secure panels with long dimension perpendicular to framing members, with ends staggered and over firm bearing. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using nails or screws.

#### SECTION 06 41 00 ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL 1.1 SUBMITTALS

Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories. Samples: Submit actual samples of architectural cabinet finish material, minimum 12 inches square, illustrating proposed cabinet material and

PART 2 PRODUCTS 2.1 CABINETS Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise. Plastic Laminate Faced Cabinets: Custom grade.

Finish - Exposed Exterior Surfaces: Decorative laminate. Finish - Exposed Interior Surfaces: Decorative laminate. Finish - Semi-Exposed Surfaces: Solid phenolic.

Finish - Concealed Surfaces: Manufacturer's option. Door and Drawer Front Edge Profiles: Square edge with thin applied band. Shelf thickness: Less than 32 inches: 3/4" thick. Shelf thickness: 32 inch wide to 36 inch wide: 1" thick.

Cabinet Style: Reveal overlay on face frame. Cabinet Doors and Drawer Fronts: Flush style. Drawer Construction Technique: Dovetail joints.

2.2 LAMINATE MATERIALS High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications. Provide specific types as indicated. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, colors as indicated.

Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, colors as indicated. Post-Formed Horizontal Surfaces: HGP, 0.039 inch nominal thickness, through color, colors as indicated. 2.3 COUNTERTOPS

A. Countertops are specified in Section 12 36 00. 2.4 HARDWARE

Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and oordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments. Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 5 inch centers.

Catches: Magnetic. Drawer Slides: Type: Full extension.

Static Load Capacity: Commercial grade. Mounting: Side mounted. F. Hinges: European style concealed self-closing type, steel with polished finish.

2.5 FABRICATION

Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Locate counter butt joints minimum 2 feet from sink cut-outs. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

Cap exposed plastic laminate finish edges with material of same finish and pattern. D. Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges. PART 3 EXECUTION

3.1 INSTALLATION Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated. Use concealed joint fasteners to align and secure adjoining cabinet units.

#### **SECTION 06 83 16** FIBERGLASS REINFORCED PANELING

PART 2 PRODUCTS 1.1 MANUFACTURERS Fiberglass Reinforced Plastic Panels: Crane Composites, Inc: www.cranecomposites.com/#sle.

Panel Size: 4 by 8 feet.

Marlite, Inc: www.marlite.com/#sle. Nudo Products, Inc: www.nudo.com/#sle. Panolam Industries International, Inc: www.panolam.com/#sle. 1.2 PANEL SYSTEMS Wall Panels and ceiling panels:

Panel Thickness: 0.10 inch. Surface Design: Embossed. Color: As selected by Architect. Attachment Method: Adhesive only, sealant joints, no trim.

Trim (Marlite products) Base: M612. Division M365. Inside Corner: M350.

Outside Corner: M360. Edge: M370.

A. Panels: Fiberglass reinforced plastic (FRP), complying with ASTM D5319. Surface Burning Characteristics: Maximum flame spread index of 25 and smoke developed index of 450; when system tested in accordance with ASTM E84.

Class 1 fire rated when tested in accordance with FM 4880. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273. Impact Strength: Greater than 6 ft lb force per inch, when tested in accordance with ASTM D256.

PART 3 EXECUTION 2.1 INSTALLATION - WALLS AND CEILINGS Install panels in accordance with manufacturer's instructions. Seal gaps at floor, ceiling, and between panels with applicable sealant to prevent moisture intrusion.

#### DIVISION 07 - THERMAL AND MOISTURE PROTECTION SECTION 07 21 00 THERMAL INSULATION

PART 2 PRODUCTS

1.1 APPLICATIONS Insulation at Perimeter of Foundation: Extruded polystyrene (XPS) board.

Insulation over wall sheathing: Polyisocyanurate board. Insulation in Wood Framed Walls: Batt insulation with separate vapor retarder. Insulation in Wood Framed Ceiling Structure: Batt insulation with separate vapor retarder. 1.2 FOAM BOARD INSULATION MATERIALS

Extruded Polystyrene (XPS) Board Insulation: Comply with ASTM C578 with either natural skin or cut cell surfaces. Type and Compressive Resistance: Type IV, 25 psi (173 kPa), minimum.

Type and Thermal Resistance, R-value: Type IV, 5.0 (0.88) per 1 inch thickness at 75 degrees F mean temperature. Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, comply with ASTM C1289. Classifications:

a. Type I: Faced with aluminum foil on both major surfaces of the core foam. Class 2 - Glass fiber reinforced or non-reinforced core foam. Compressive Strength: 16 psi, minimum Thermal Resistance, R-value: At 1-1/2 inch thick; 9.0, minimum, at 75 degrees F.

1.3 MINERAL FIBER BLANKET INSULATION MATERIALS Flexible Glass Fiber Blanket Thermal Insulation: Preformed insulation, complying with ASTM C665; friction fit. Thickness: As shown on drawings. Facing: Unfaced.

1.4 ACCESSORIES Sheet Vapor Retarder: clear polyethylene film for above grade application, 6 mil, 0.006 inch thick. Flashing Tape: Special reinforced film with high performance adhesive. Application: Window and door opening flashing tape.

#### **SECTION 07 27 00** AIR BARRIERS

PART 2 PRODUCTS 1.1 AIR BARRIER MATERIALS (AIR IMPERMEABLE AND WATER VAPOR PERMEABLE)

Protection Board for Above Grade Insulation: Fiberglass reinforce plastic.

Air Barrier Sheet, Mechanically Fastened: Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178. Water Vapor Permeance: 10 perms, minimum, when tested in accordance with ASTM E96/E96M using Procedure A - Desiccant Method, at 73.4 degrees F.

DuPont de Nemours, Inc; Tyvek CommercialWrap D with Tyvek Tape: building.dupont.com/#sle. Henry Company; WeatherSmart Commercial: www.henry.com/#sle. Kimberly-Clark, distributed by Wolf Home Products; BLOCK-IT House Wrap: www.wolfhomeproducts.com/#sle. National Shelter Products, Inc; DRYLine LP: www.drylinewrap.com/#sle.

PART 3 EXECUTION 2.1 INSTALLATION Install materials in accordance with manufacturer's installation instructions. Air Barriers: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.

> Openings and Penetrations in Exterior Air Barriers: Install flashing over sills, covering entire sill frame member, extending at least 5 inches onto air barrier and at least 6 inches up jambs; mechanically fasten stretched edges. Service and Other Penetrations: Form flashing around penetrating item and seal to air barrier surface.

Apply sealants and adhesives within recommended temperature range in accordance with manufacturer's installation instructions.

#### **SECTION 07 41 13** METAL ROOF PANELS

Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions. Selection Samples: For each roofing system specified, submit color chips representing manufacturer's full range of available colors and patterns. 1.2 WARRANTY

Finish Warranty: Provide manufacturer's special warranty covering failure of factory-applied exterior finish on metal roof panels and agreeing to repair or replace panels that show evidence of finish degradation, including significant fading, chalking, cracking, or peeling within specified warranty period of twenty years from Date of Substantial Completion. Waterproofing Warranty: Provide manufacturer's warranty for weathertightness of roofing system, including agreement to repair or replace roofing that fails to keep out water within specified warranty period of twenty years from Date of Substantial Completion.

ARCHITECTURAL METAL ROOF PANELS Metal Panels: Factory-formed panels with factory-applied finish.

 Steel Panels: Aluminum-zinc alloy-coated steel complying with ASTM A792/A792M; minimum AZ50 coating. Steel Thickness: Minimum 24 gage (0.024 inch). Profile: Standing seam, with minimum 2.0 inch seam height; concealed fastener system for field seaming with special tool.

Width: Maximum panel coverage of 16 inches. 2.2 ATTACHMENT SYSTEM A. Concealed System: Provide manufacturer's standard continuous stainless steel or nylon-coated aluminum concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with

AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated aluminum surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected by Architect from manufacturer's standard line. 2.4 ACCESSORIES A. Underlayment: Synthetic non-asphaltic sheet, intended by manufacturer for mechanically fastened roofing underlayment without sealed seams. PART 3 EXECUTION

3.1 INSTALLATION A. Overall: Install roofing system in accordance with approved shop drawings and panel manufacturer's instructions and recommendations, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural Accessories: Install all components required for a complete roofing assembly, including flashings, gutters, downspouts, trim, closure strips,

## rib closures, ridge closures, and similar roof accessory items.

**SECTION 07 42 94** 

LINEAR METAL SOFFITS 1.1 SUBMITTALS A. Samples: Submit two, 6 by 8 inch in size, illustrating colors and pattern.

PART 2 PRODUCTS 2.1 ALUMINUM PANELS AND COMPONENTS Six inch V-groove panels. 24 ga Galvalume steel with Kynar 500 paiint

Wind Tested ASTM E330 J channel edge flashing Wood grain pattern and solid color finish. Color as selected by Architect. Perforated and unperforated panels. As shown on the drawings. Lux Architectural Products: Custon cut V-groove.

PART 3 EXECUTION

3.1 INSTALLATION Install cladding and components in accordance with manufacturer's written instructions and shop drawings, including product technical bulletins

Install screw fasteners using power tools having controlled torque adjusted without damage or deformation of the cladding. Do not install damaged panels; repair or replace as required.

## **SECTION 07 46 23**

WOOD SIDING

PART 1 GENERAL 1.1 SUBMITTALS

A. Samples: Submit two samples 12 by 12 inches in size illustrating surface texture and color.

PART 2 PRODUCTS 2.1 MANUFACTURERS Engineered Wood Siding:

Louisiana Pacific Building Products; 3/8 Panel - LP SmartSide Panel 38 Series: www.lpcorp.com/#sle. Louisiana Pacific Building Products; 3/4 trim, Smartside series 340... 2.2 ENGINEERED WOOD SIDING MATERIALS

Nails: Corrosion resistant type; nonstaining, of size and strength to securely and rigidly retain the work; prefinished to match siding finish.

Thermal Movement: Allow space for thermal movement at ends of wall siding that butt against trim; seal joint between siding and trim. Treatment of Engineered Wood Siding: Treated with exterior grade adhesive resins, water-resistant waxes and zinc borate, and bonded with water-resistant, resin-saturated overlay that provides protection against water damage, termites, and fungal decay. Panel Siding: Exposed edges beveled and sealed with acrylic finish for moisture resistance. Thickness: 3/8 inch, nominal.

Length: 8 feet, nominal. Edges: Square. Color: As selected by Architect from manufacturer's full range. Texture: Cedar texture.

Width: 47-7/8 inches, nominal.

Wood Trim: Provide manufacturer's standard engineered wood trim, such as fascia board, corner board, and perimeter trim. Thickness: 3/4-inch, nominal. Width: 1-1/2 inches, nominal. For battens.

Corner Board Width: 3-1/2 inches on each side, nominal

Length: 16 feet for trim boards, and 10 feet for corner boards, nominal. Edges: Square. Color: Match siding. Texture: Cedar texture. 2.3 ACCESSORIES

Flashing: Pre-finished Galvanized steel, 28 gauge, 0.0149 inch minimum base metal thickness. PART 3 EXECUTION 3.1 INSTALLATION Install siding, batten strips, and trim in accordance with manufacturer's instructions.

Fasten siding securely in place, level and plumb.

Arrange for orderly nailing pattern.

Install siding for natural shed of water. Position cut ends over bearing surfaces, and sand cut edges smooth and clean.

#### SECTION 07 71 23 MANUFACTURED GUTTERS AND DOWNSPOUTS

PART 1 GENERAL

1.1 SUBMITTALS Product Data: Provide data on prefabricated components. Shop Drawings: Indicate locations, configurations, jointing methods, fastening methods, locations, and installation details. Samples: Submit two samples, 8 inch long illustrating component design, finish, color, and configuration.

PART 2 PRODUCTS

2.2 COMPONENTS

2.1 MATERIALS Pre-Finished Galvanized Steel Sheet: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 0.02 inch thick base metal.

Finish: Shop pre-coated with modified silicone coating. Color: As selected from manufacturer's standard colors.

Gutters: SMACNA rectangular style profile. Downspouts: SMACNA Rectangular profile Anchors and Supports: Profiled to suit gutters and downspouts. Gutter Supports: Brackets.

Downspout Supports: Brackets. Fasteners: Galvanized steel, with soft neoprene washers.

2.3 FABRICATION Form gutters and downspouts of profiles and size indicated. Form sections square, true, and accurate in size, in maximum possible lengths, free of distortion or defects detrimental to appearance or

performance. Allow for expansion at joints. Fabricate gutter and downspout accessories; seal watertight.

Install gutters, downspouts, and accessories.

Splash Pads: Precast concrete type, profiles size(s) as indicated; minimum 3,000 psi compressive strength at 28 days, with minimum 5 percent PART 3 EXECUTION 3.1 INSTALLATION

Sheet Metal: Join lengths with formed seams sealed watertight. Flash and seal gutters to downspouts and accessories.

JOINT SEALANTS

#### SECTION 07 92 00

PART 1 GENERAL PART 2 PRODUCTS

> 2.1 MANUFACTURERS Non-Sag Sealants: Permits application in joints on vertical surfaces without sagging or slumping. Dow Chemical Company: consumer.dow.com/en-us/industry/ind-building-construction.html/#sle.

Master Builders Solutions by BASF: www.master-builders-solutions.basf.us/en-us/#sle. Momentive Performance Materials, Inc (formerly GE Silicones): www.momentive.com/#sle. Pecora Corporation: www.pecora.com/#sle.

Sika Corporation: www.usa-sika.com/#sle. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com/#sle. W.R. Meadows, Inc: www.wrmeadows.com/#sle. 2.2 NONSAG JOINT SEALANTS

Type S-3 - Mildew-Resistant Silicone Sealant: ASTM C920, Grade NS, Uses M and A; single component, mildew resistant; not expected to withstand continuous water immersion or traffic. Color: White. Manufacturers:

Pecora Corporation; 898NST: www.pecora.com/#sle.

Sika Corporation; Sikasil GP: www.usa.sika.com/#sle. Dow Chemical Company; Dowsil 999-A. Type P-1 - Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; not expected to withstand continuous

water immersion or traffic.

Color: Gray.

Manufacturers:

Movement Capability: Plus and minus 50 percent, minimum. Manufacturers Pecora Corporation; Dynatrol II: www.pecora.com/#sle. Sika Corporation; Sikaflex-15 LM: www.usa.sika.com/#sle.

Tremco Commercial Sealants & Waterproofing; Dymonic 100: www.tremcosealants.com/#sle. Type PSL-3 - Self-Leveling Polyurethane Sealant for Continuous Water Immersion: Polyurethane; ASTM C920, Grade P, Uses M and A; single or multi-component; explicitly approved by manufacturer for traffic exposure and continuous water immersion.

Sika Corporation; Sikaflex-1c SL: www.usa.sika.com/#sle. Sika Corporation; Sikaflex-2c SL: www.usa.sika.com/#sle W. R. MEADOWS, Inc; POURTHANE SL: www.wrmeadows.com/#sle.

Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application. All sealants unless otherwise specified by the manufacturer: ASTM C1330; Type C - Closed Cell Polyethylene. PART 3 EXECUTION

3.1 INSTALLATION Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions. Measure joint dimensions and size joint backers to achieve the following, unless otherwise indicated: Width/depth ratio of 2:1.

Neck dimension no greater than 1/3 of the joint width. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface. 3.2 SCHEDULE LOCATION Door and Window Perimeter - Exterior PSL-3 Control & Expansion Joints in Concrete Slab Under Thresholds Where Walks Abut Vertical Surfaces Masonry Control Joints General Sealant Conditions Interior Frames

#### DIVISION 08 - OPENINGS SECTION 08 11 13

HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

2.2 HOLLOW METAL DOORS

2.3 HOLLOW METAL FRAMES

Sheet Metal Flashing

PART 2 PRODUCTS 2.1 PERFORMANCE REQUIREMENTS

A. Requirements for Hollow Metal Doors and Frames: Steel Sheet: Comply with one or more of the following requirements; galvannealed steel complying with ASTM A653/A653M, coldrolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.

Accessibility: Comply with ICC A117.1 and ADA Standards. Exterior Door Top Closures: Flush end closure channel, with top and door faces aligned. Door Edge Profile: Beveled, both sides.

Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements. Zinc Coating for Typical Interior and/or Exterior Locations: Provide metal components zinc-coated (galvanized) and/or zinc-iron alloy-coated (galvannealed) by the hot-dip process in accordance with ASTM A653/A653M, with manufacturer's standard coating

Door Finish: Factory primed and field finished. B. Exterior Doors: Thermally insulated. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100). Level 2 - Heavy-duty.

Door Face Metal Thickness: 18 gage, 0.042 inch, minimum

thickness, unless noted otherwise for specific hollow metal doors and frames.

Zinc Coating: A60/ZF180 galvannealed coating; ASTM A653/A653M. Door Core Material: Polyurethane, 1.8 lbs/cu ft minimum density. Foam Plastic Insulation: Manufacturer's standard board insulation with maximum flame spread index (FSI) of 75, and maximum smoke developed index (SDI) of 450 in accordance with ASTM E84, and completely enclosed within interior of

Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.

Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on

Door Thickness: 1-3/4 inch, nominal. C. Interior Doors, Non-Fire-Rated: Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).

Level 2 - Heavy-duty. Door Face Metal Thickness: 18 gage, 0.042 inch, minimum. Zinc Coating: A60/ZF180 galvannealed coating; ASTM A653/A653M.

Door Frames: Face welded type. Galvanizing: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with A40/ZF120 Frame Metal Thickness: 16 gage, 0.053 inch, minimum.

B. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames. PART 3 EXECUTION 3.1 INSTALLATION

A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated. B. Coordinate frame anchor placement with wall construction.

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SHEET NO.

Weatherstripping: Wool pile, continuous and replaceable; provide on all doors. Sill Sweep Strips: Resilient seal type, of brush type; provide on all doors. Threshold: Extruded aluminum, one piece per door opening, ribbed surface; provide on all doors.

PART 3 EXECUTION 3.1 INSTALLATION

Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.

#### **SECTION 08 71 00** DOOR HARDWARE

PART 1 GENERAL

A. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door B. Keying Requirements Meeting:

Schedule meeting at project site prior to ordering hardware. PART 2 PRODUCTS 2.1 DESIGN AND PERFORMANCE CRITERIA A. Provide door hardware products that comply with the following requirements:

Applicable provisions of federal, state, and local codes. 2.2 POWER SUPPLY A. Manufacturers: Securitron; an Assa Abloy Group company; AQE30E: www.assaabloydss.com/#sle.

Power Supply: Hard wired, with multiple zones providing eight (8) breakers for each output panel with individual control switches and LED's; UL (DIR) Class 2 listed. Power: 24 VAC, 10 Amp; with 120 VAC power supply. 2.3 FINISHES

 Finishes: Provide door hardware of same finish, unless otherwise indicated. 1. Primary Finish: 652; satin chromium plated over nickel, with steel base material (formar US equivalent US26D); BHMA A156.18. PART 3 EXECUTION

ART:	3 EXEC	CUTION			
.1	DESCR	RIPTION	N OF HARDWARE: 1	FOR ALL DO	ORS SCHEDULED
	A.	Butts			
		1.	Hagar	BBE4	BB1199
		2.	Hagar	BB3	BB1279
		3.	Hagar	Cont. Hinge	780 Series Concealed Leaf
	B.	Closers	ľ.		
		1.	LCN	CR36	4010 4020 4110 Series
	C.	Overhe	ad Holder		
		1.	Glynn Johnson	OHC36	GJ100 Concealed
	D.	Cylinde	er Lock Sets with Inte	rchangeable C	ore
		1.	Schlage	LCR	ND70PD Rhodes
		2.	Schlage	LPS	ND10S Rhodes
		3.	Schlage	LSR	ND80PD Rhodes
	E.	Panic E	Bolts		
		1.	Von Duprin	PNR	99L
	F.	Cylinde			
		1.	Schlage	CYR	20-022
	G.	Flush E			
		1.	Ives Metal	FB	FB457
	H.	Push			
		1.	Rockwood	PHP	RM1020
	I.	Pulls			
		1.	Rockwood	PLP	106 x 70C

J. Kick Plates, 8" high x 2" LDW x US32D Rockwood K1050 K. Stops x US26D Rockwood National Guard 608RWK Rockwood Door Bottom National Guard Electric Strike x AL 6200 Series Von Duprin ES-1

> **SECTION 08 80 00** GLAZING

6100 Series rim exit

PART 1 GENERAL

Von Duprin

1.1 QUALITY ASSURANCE Perform Work in accordance with GANA (GM) and IGMA TM-3000 for glazing installation methods.

ES-2

A. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units. PART 2 PRODUCTS

2.1 BASIS OF DESIGN - INSULATING GLASS UNITS A. Basis of Design - Insulating Glass Units: Vision glazing, with low-e coating.

Glazing Method: Dry glazing method, gasket glazing. Edge Seal: Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone sealant as secondary seal applied around perimeter. Purge interpane space with dry air, hermetically sealed.

Basis of Design - Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 90 on #2 surface. Glass Tint: Solargray (light-gray).

a. Glass: Clear. PART 3 EXECUTION

3.1 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING) Place setting blocks at 1/3 points with edge block no more than 6 inch from corners.

Inboard Lite: Fully tempered float glass, 1/4 inch thick

Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.

Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

**DIVISION 09 - FINISHES SECTION 09 21 16** GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL PART 2 PRODUCTS 2.1 PRODUCTS:

A. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.

Thickness: a. Vertical Surfaces: 5/8 inch.

b. Ceilings: 5/8 inch. GYPSUM WALLBOARD ACCESSORIES A. Acoustic Insulation: ASTM C 518; preformed mineral fiber, friction fit type, unfaced. Thickness: 3 inch.

 Products; Owens Corning: Thermafiber SAFB FF Rockwool: AFB B. Acoustic Insulation: ASTM C665 Type 1, Fiberglass Sound Attenuation Batts, Unfaced.

a. Owens Corning: Pink Next Gen Sound Attenuation Batts. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion-resistant.

PART 3 EXECUTION 3.1 JOINT TREATMENT Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.

B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:

1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.

#### **SECTION 09 51 00** ACOUSTICAL CEILINGS

PART 1 GENERAL PART 2 PRODUCTS 2.1 ACOUSTICAL UNITS

Acoustical Units - General: ASTM E1264, Class A.

Acoustical Panels Type ACT-1: Painted mineral fiber, ASTM E1264 Type III, with the following characteristics: Size: 24 by 24 inches.

Thickness: 5/8 inches. Ceiling Attenuation Class (CAC): 35, determined in accordance with ASTM E1264.

Surface Color: White. Suspension System: Exposed grid. Products:

a. Armstrong World industries; Ultima. 2.2 SUSPENSION SYSTEM(S)

A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with stabilizer bars, splices, perimeter moldings, and hold down clips as required. Exposed Steel Suspension System: Formed steel, commercial quality cold rolled; heavy-duty.

Profile: Tee; 15/16 inch wide face.

PART 3 EXECUTION 3.1 INSTALLATION - SUSPENSION SYSTEM

A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.

#### **SECTION 09 65 00** RESILIENT FLOORING

PART 1 GENERAL PART 2 PRODUCTS 2.1 RESILIENT BASE

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Resilient Base - Type B-1: ASTM F1861, Type TS rubber, vulcanized thermoset; top set Style B, Cove. Height: 4 inch, 6 inch where shown on the drawings.

Thickness: 0.125 inch. Finish: Satin. Length: Roll.

Color: To be selected by Architect from manufacturer's full range. PART 3 EXECUTION 3.1 INSTALLATION - RESILIENT BASE

Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints. Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold. At exposed ends, use premolded units.

Install base on solid backing. Bond tightly to wall and floor surfaces.

Scribe and fit to door frames and other interruptions.

#### **SECTION 09 91 23 PAINTING**

A. Scope: Finish interior surfaces exposed to view, unless fully factory-finished PART 2 PRODUCTS 2.1 MANUFACTURERS A. Paints:

Diamond Vogel Paints: www.diamondvogel.com/#sle. Pittsburgh Paints: www.ppgpaints.com/#sle. Sherwin-Williams Company: www.sherwin-williams.com/#sle.

2.2 PAINTS AND FINISHES - GENERAL Colors: To be selected from manufacturer's full range of available colors.

Selection to be made by Architect after award of contract. PART 3 EXECUTION

3.1 SCHEDULE A. Concrete Block

1 coat; PPG; Speedhide Interior/Exterior Masonry Latex Block Filler (6-7) 5.3 mils/ct 2 coats; PPG; Speedhide Interior Eggshell Latex Enamel (6-411 Series 1.6 mils/ct) B. Ferrous Metal - Acrylic

Preparation; SP SP03 1 coat; PPG; Pitt-Tech Plus DTM Primer/Finish (4020 Series) 2 mils/ct 2 coats; PPG; Pitt-Tech Plus DTM Gloss Enamel (90-1310 Series) 1.5 mils/ct

C. Gypsum Board 1 coat; PPG; Speedhide Interior Quick-Drying Latex Sealer (6-2) 1 mil/ct 2 coats; PPG; Speedhide Interior Eggshell Latex Enamel (6-411 Series) 1.6 mils/ct 3.2 INTERIOR ITEMS TO RECEIVE PAINT:

 A. Metal Doors Metal Frames Roll-Up Door and Guides Gypsum Board

2.2 FIRE EXTINGUISHER CABINETS

PART 2 PRODUCTS

1.2 PANEL SIGNAGE

1.3 SIGNAGE APPLICATIONS

1.4 ACCESSORIES

PART 1 GENERAL

PART 2 PRODUCTS

PART 3 EXECUTION

PART 1 GENERAL

PART 2 PRODUCTS

2.2 FABRICATION

PART 3 EXECUTION - NOT USED

1.1 RELATED REQUIREMENTS

3.1 INSTALLATION

2.1 FIRE EXTINGUISHERS

1.1 REGULATORY REQUIREMENTS

		DOOF	R HARI	DWARE SETS	
	SECTION 10 14 23 PANEL SIGNAGE				
	PRODUCTS EGULATORY REQUIREMENTS	SET NO.	1	DOORS:	110A, 100C
A.	Accessibility Requirements: Comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the		2	Hinge	CONTINUOUS HINGE
PA	event of conflicting requirements, comply with the most restrictive requirements.  ANEL SIGNAGE		2	Exit Device	PNR
A.	Panel Signage:		2	Closer	CR36
	<ol> <li>Application: Room and door signs.</li> <li>Description: Flat signs with engraved panel media, tactile characters.</li> </ol>		2	Threshold Overhead Stop	TE OH36
	3. Sign Size: 4 inches by 6 inches.		2	Lock Cylinder	CYM
	<ol> <li>Total Thickness: 1/8 inch.</li> <li>Color and Font, unless otherwise indicated:</li> </ol>		1	Electric Strike	ES
	a. Character Font: Helvetica, Arial, or other sans serif font.		1	Power Supply	PS
	<ul> <li>b. Character Case: Upper and lower case (title case).</li> <li>6. Material: Laminated colored plastic engraved through face to expose core as background color.</li> </ul>		2	Canopy	CAN
	7. Tactile Letters: Raised 1/32 inch minimum.	CET NO		D0000	1014 1024 102
CIA	8. Braille: Grade II, ADA-compliant. GNAGE APPLICATIONS	SET NO.	<b>2</b> 3	DOORS: Hinge	<b>101A, 102A, 103</b> BBE4
A.			1	Cylindrical Lock	LSR
	<ol> <li>Rest Rooms: Identify with pictograms, the names: "Family", "MEN" and "WOMEN", and braille.</li> </ol>		1	Closer	CR36
A.			1	Gasket	G
			1	Door Sweep	DS
			1	Threshold	TE
	SECTION 10 44 00		1	Kick Plate	KP-1
RT 1 C	FIRE PROTECTION SPECIALTIES GENERAL		1	Wall Stop	WS
	PRODUCTS		1	Push Plate Pull Plate	PH PHP PL PLP
	RE EXTINGUISHERS  Fire Futinguishers - Generaly Comply with product requirements of NERA 10 and applicable codes whichever is more stringent		1	Electric Strike	ES
A.	Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.  1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.		1	Power Supply	PS
B.				2.1. 1	
	<ol> <li>Stored Pressure Operated.</li> <li>Class: A:B:C type.</li> </ol>	SET NO.	3	DOORS:	101D, 102B
	3. Size: 10 pound.		3	Hinge	BB3
FII A.	RE EXTINGUISHER CABINETS Cabinet Configuration: Semi-recessed type.		1	Cylindrical Lock	LSR
71.	<ol> <li>Trimless type.</li> </ol>		1	Closer Kick Plate	CR36 KP-1
В.	Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with two butt hinges.		1	Wall Stop	WS
C.			3	Silencer	S
D. E.			1	Push Plate	PHP
	EXECUTION		1	Pull Plate	PLP
A.	ISTALLATION Install cabinets plumb and level in wall openings, 48 inches from finished floor to inside top of cabinet.				
	DIVISION 12 - FURNISHINGS SECTION 12 36 00	SET NO.	4	DOORS:	104
	COUNTERTOPS	<u> 521 140.</u>	3	Hinge	BB3
	GENERAL ELATED REQUIREMENTS		1	Cylindrical Lock	LPV
A.	ELATED REQUIREMENTS Section 06 41 00 - Architectural Wood Casework.		1	Closer	CR36
	PRODUCTS		1	Kick Plate	KP-1
CC A.	OUNTERTOPS Solid Surfacing Countertops: Solid surfacing sheet or plastic resin casting self-supporting over structural members.		1	Wall Stop	WS
Α.	1. Flat Sheet Thickness: 1/2 inch, minimum.		3	Silencer	S
	<ol> <li>Solid Surfacing Sheet and Plastic Resin Castings: Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface</li> </ol>	SET NO.	5	DOORS:	105, 107A, 107B
	coating; color and pattern consistent throughout thickness.	-	3	Hinge	BB3
	<ul> <li>a. Manufacturers:</li> <li>1) Avonite Surfaces: www.avonitesurfaces.com/#sle.</li> </ul>		1	Cylindrical Lock	LSR
	<ol> <li>Avonite Surfaces: www.avonitesurfaces.com/#sle.</li> <li>Dupont: www.corian.com/#sle.</li> </ol>		1	Wall Stop	WS
	3) Formica Corporation: www.formica.com/#sle.		2	Silencer	S
	<ul><li>4) Wilsonart: www.wilsonart.com/#sle.</li><li>b. Finish on Exposed Surfaces: Matte, gloss rating of 5 to 20.</li></ul>		1	Electric Strike	ES
	<ul> <li>Color and Pattern: As selected by Architect from manufacturer's full line.</li> </ul>		1	Power Supply	PS
	<ol> <li>Exposed Edge Treatment: Built up to minimum 1-1/4 inch thick; square edge; use marine edge at sinks.</li> <li>Back and End Splashes: Same sheet material, square top; minimum 4 inches high.</li> </ol>	SET NO.	6	DOORS:	106
	<ol> <li>Fabricate in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 11 - Countertops, Premium Grade.</li> </ol>	20 A)	2	Hinge	CONTINUOUS HINGE
В.	Stainless Steel Countertops: ASTM A666, Type 304, stainless steel sheet; 16 gage, 0.0625 inch nominal sheet thickness.  1. Finish: 4B satin brushed finish.		1	Cylindrical Lock	LSR
	2. Exposed Edge Shape: Bullnose with return; 5/8 inch radius, return to face of case; reinforced with hardwood or steel.		1	Closer	CR36
FA A.	ABRICATION  Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.		2	Gasket	G
71.	<ol> <li>Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.</li> </ol>		2	Door Sweep	DS
	<ul> <li>a. Rout a 1/8 inch drip groove at underside of exposed overlapping edges, set back 1/2 inch from face of edge.</li> <li>2. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.</li> </ul>		2	Threshold Overhead Stop	TE OH36
В.	Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.		1	Kick Plate	KP-1
C.			1	Astragal	AST-FLP
D.	recommendations and instructions.  Stainless Steel: Fabricate tops up to 144 inches long in one piece including nosings and back and end splashes; accurately fitted mechanical		2	Flush Bolt	FB
	field joints in lengths over that dimension are permitted.		1	Electric Strike	ES
	<ol> <li>Weld joints; grind smooth and polish to match.</li> <li>Provide stainless steel hat channel stiffeners, welded or soldered to underside, where indicated on drawings.</li> </ol>		1	Power Supply	PS
RT 3 E	EXECUTION - NOT USED		2	Canopy	CAN
		SET NO.	7	DOORS:	108
			6	Hinge	BB3
			1	Cylindrical Lock	LPS
			2	Overhead Stop	OH36

BB3

LPV

101B, 101C, 102C

Silencer

Hinge

Lockset

Silencer

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DESIGNED AAP PROJECT NO. H0006 06-25-00121 DATE JUNE 16, 2025

SHEET NO.

## OCCUPANT LOAD KEY

WIDTH IN INCHES)

**EXIT SIGN** 

X OCCUPANT LOAD FACTOR X OCCUPANT LOAD - CALCULATED

F.E.C.

#### **BUILDING CODE INFORMATION**

THE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FOLLOWING CODES - NOTIFY THE ARCHITECT OF ANY CONFLICTS

CODES: 2015 INTERNATIONAL BUILDING CODE 2009 ICC/ANSI 117.1-2009 ACCESSIBILITY CODE

## CODE DATA

BUILDING AREA: OPEN PAVILION AREA:

NUMBER OF STORIES: ALLOWABLE AREA PER TABLE 506.2: 6,000 S.F.

(40' ALLOWABLE FOR TYPE VB) OCCUPANCY CLASSIFICATION: A-3 - ASSEMBLY

CONSTRUCTION CLASSIFICATION: AUTOMATIC SPRINKLER PROTECTION: NONE

OCCUPANCY LOAD:

3,128 S.F. 1,723 S.F. 4,851 S.F. (1) STORY

**BUILDING HEIGHT:** 24'-9" AT HIGH POINT

225 OCCUPANTS (SEE LIFE SAFETY PLAN)

LIFE SAFETY PLAN

1/4" = 1'-0"

NORTH

100

15

300

300 1

FAMILY 104

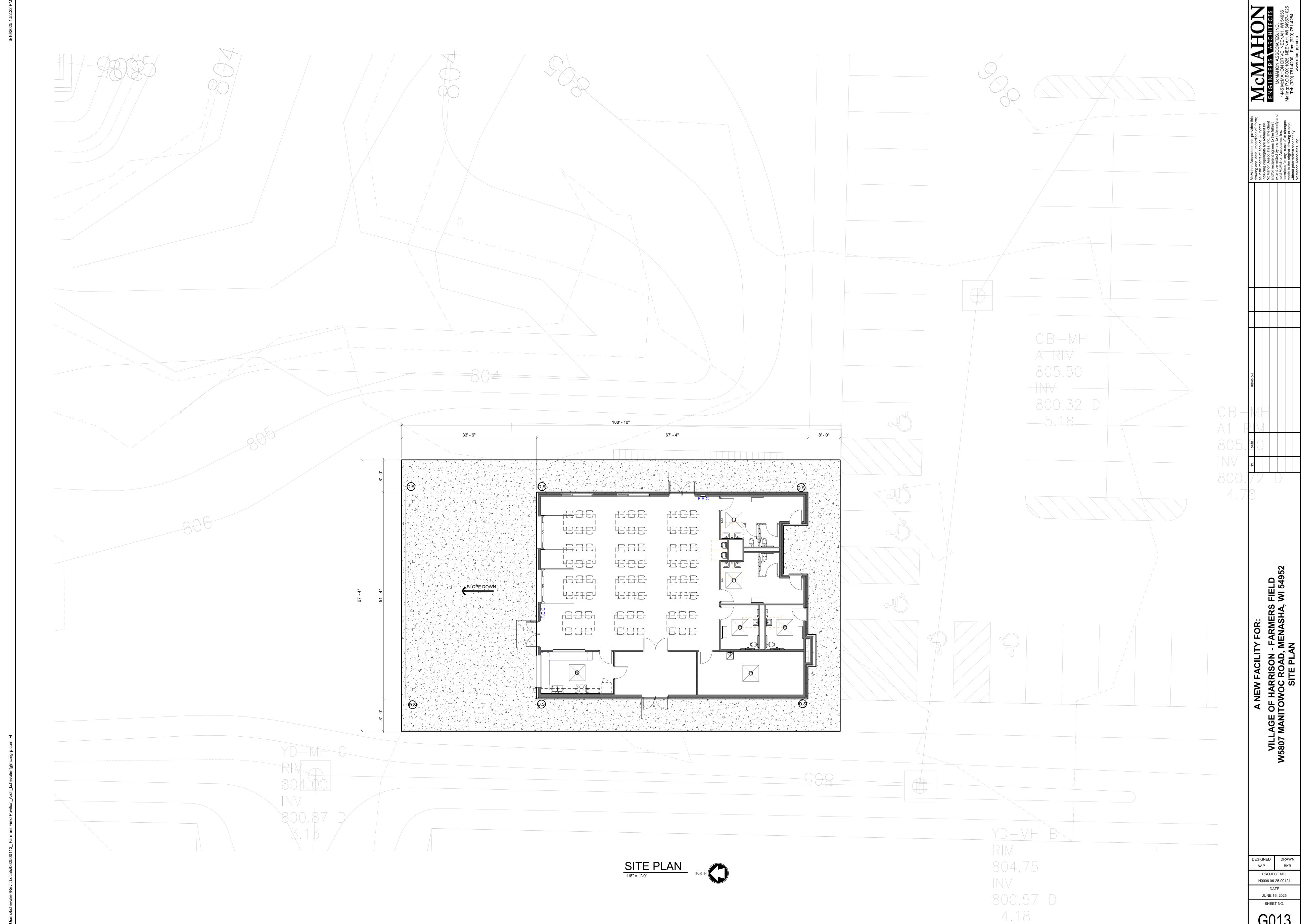
22.5"

			PL	UMBING FIX	TURE REQU	IREMENTS A	AND COMPI	IANCE			
OCCUPAN	CY	WA	TER CLOSETS (	(WC)	LAVAT	ORIES	DRINKING	FOUNTAINS	TUB/ S	HOWER	SERVICE SINK
CLASSIFICATION	TOTAL OCCUPANTS	FACTOR	# OF MALE FIXTURES	# OF FEMALE FIXTURES	FACTOR	# OF FIXTURES	FACTOR	# OF FIXTURES	FACTOR	# OF FIXTURES	REQUIRED
A-3	225	113/125M 113/65W	0.90	1.74	225/200	1.13	1 / 500	.45	N/A	N/A	1
COMPLIANCE	ME	ΕN	WOMEN	FAMILY		DRINKING	TUB /		NOTES:		
CHECK	WC	URINALS	WC	WC	LAVATORIES	FOUNTAINS	SHOWER	SERVICE SINK			
REQUIRED	0.90	0	1.74	0	1.13	.45	0	1			
PROVIDED	1	1	2	2	6	2	0	1	1		

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H0006 06-25-00121

G012



G013

#### **GENERAL PLAN NOTES**

- DO NOT SCALE FROM DRAWINGS. BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- COORDINATE LOCATIONS AND QUANTITY OF WORK WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
- ALL DIMENSIONS ARE CLEAR FROM THE FACE OF FINISHED WALL/PARTITION
- ALL PIPING, CONDUIT AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN GYPSUM BOARD FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT, UNLESS NOTED
- PROVIDE METAL PLATE BACKING AND/OR TREATED WOOD BLOCKING IN WALLS WHERE WALL-MOUNTED EQUIPMENT IS SHOWN ON PLANS OR ELEVATIONS.

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#### **GENERAL ROOF PLAN NOTES**

- SLOPE TAPERED INSULATION MINIMUM 1/4" PER FOOT TO ROOF DRAINS, 2"
  MINIMUM THICKNESS AT DRAINS.
- NOT ALL ROOF PENETRATIONS INDICATED. ROOFING CONTRACTOR TO VERIFY PENETRATIONS WITH ALL BUILDING TRADES. PROVIDE APPROPRIATE FLASHING AS REQUIRED TO MAKE WATERTIGHT.
- SEE HVAC DRAWINGS FOR SIZES, QUANTITIES LOCATIONS AND TYPES OF HVAC PENETRATIONS AND ROOF TOP MOUNTED EQUIPMENT.
- PROVIDE ROOF INSULATION SADDLES AT ANY ROOF INTERFERENCES. SLOPE ON SADDLE 1/2" PER FOOT.

### ROOF EDGE BLOCKING ATTACHMENT

WOOD TO WOOD: 2 ROWS OF NAILS WITH 1-1/4" PENETRATION @ 24" oc WITH 12" oc AT CORNERS.

METAL FASCIA TO WOOD: CLEAT & NO. 10 SCREW WITH NEOPRENE WASHER AT BACK LEG.

<u>HOOK STRIPS:</u> CONTINUOUS, ONE GAUGE HEAVIER THAN FASCIA. FASTENERS ANNULAR TREADED; NAILS WITH 3/16" HEAD, 1-1/4" PENETRATIONS,CORROSION RESISTANT, 16" oc

#### **ROOF PLAN LEGEND**

ROOF PENETRATIONS - SEE MECHANICAL & PLUMBING DRAWINGS

#### **ROOF TYPES**

#### ROOF SYSTEM 1:

STANDING SEAM METAL ROOF OVER UNDERLAYMENT, 5/8" SHEATHING, AND WOOD TRUSSES - BY TRUSS SUPPLIER

DESIGNED DRAWN
AAP BKB

PROJECT NO.
H0006 06-25-00121

DATE JUNE 16, 2025

FIRST FLOOR FINISH PLAN

1/4" = 1'-0"

NORTH

#### **GENERAL FINISH NOTES**

- SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION.
- SEE REFLECTED CEILING PLAN FOR CEILING FINISHES.
- COORDINATE FLOORING WITH PLUMBING FLOOR DRAINS. SEE PLUMBING PLANS FOR LOCATIONS.

#### **FINISH PLAN LEGEND**



#### **ROOM FINISH ABBREVIATIONS**

**FLOORS** 

- SC SEALED CONCRETE
- STAINED CONCRETE

- RUBBER BASE:
- FRP FIBERGLASS REINFORCED PANEL

#### **ROOM FINISH REMARKS**

- FRP WAINSCOT TO 4'-0" A.F.F.
   PARTITIONS PAINTED
   4'X6'H FRP BEHIND JANITORS SINK

H0006 06-25-00121

FIRST FLOOR CEILING PLAN

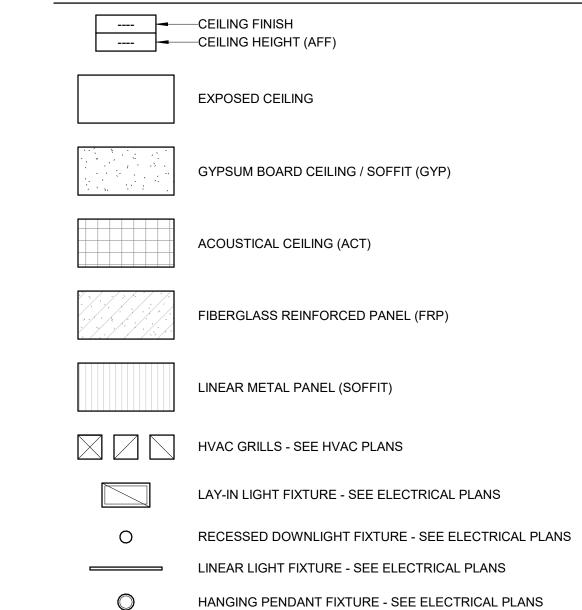
1/4" = 1'-0"

NORTH

#### **GENERAL CEILING PLAN NOTES**

- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR DEVICE/FIXTURE TYPES SIZES, INSTALLATION AND SPECIFICATIONS.
- VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CEILING INSTALLATION.
- ACOUSTICAL CEILING GRID SHALL BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
- CEILING HEIGHTS ARE DIMENSIONED FROM FINISH FLOOR LINE TO DESIGN
- ELEVATION OF FINISHED CEILING UNLESS NOTED OTHERWISE.
- CENTER IN BOTH DIRECTIONS RECESSED LIGHTS, ELECTRICAL AND MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILE.
- MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL COORDINATE DEVICES REQUIRING ACCESS IN NON ACCESSIBLE CEILING. PROVIDE ACCESS PANELS AS NEEDED (EXAMPLE: MECHANICAL VAV BOXES, PLUMBING CLEANOUTS, ETC.).

#### **CEILING PLAN LEGEND**



#### **CEILING DESCRIPTIONS**

ACT1 ACOUSTICAL CEILING PANELS & GRID - STANDARD

GYP1 GYPSUM BOARD (PAINT P-#)

FRP1 FIBERGLASS REINFORCED PANEL

SOFFIT1 WOOD-LOOK LINEAR METAL SOFFIT

SOFFIT2 LINEAR METAL SOFFIT

A NEW FACILITY FOR:
VILLAGE OF HARRISON - FARMERS FIELD
W5807 MANITOWOC ROAD, MENASHA, WI 549
REFLECTED CEILING PLAN

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ESIGNED DRAWN
AAP BKB

PROJECT NO.
H0006 06-25-00121

DATE
JUNE 16, 2025

SHEET NO.
Δ271

ALUMINUM 1" INSULATING

OH1

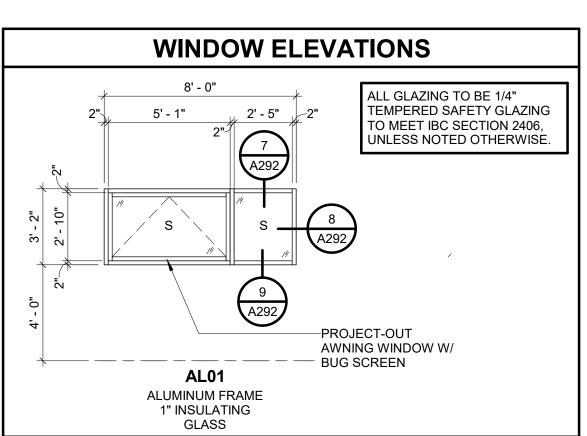
2" INSULATED OVERHEAD

DOOR W/ 1" INSULATED

				DO	OOR SCI	HEDULE			
			OPENING S	IZE					
DOOR NUMBER	LEAF QTY	WIDTH	DOOR HEIGHT	THICKNESS	DOOR TYPE	FRAME TYPE	FIRE RATING	DETAILS (A291)	COMMENTS
100A		3' - 0"	7' - 0"	1 3/4"	A1	AL02	0HR	5,6,9	KEY FOB
100B		3' - 0"	7' - 0"	1 3/4"	A1	AL02	0HR	5,6,9	KEY FOB
100C	2	6' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
100D		3' - 0"	7' - 0"	1 3/4"	A1	AL02	0HR	5,6,9	KEY FOB
100E		3' - 0"	7' - 0"	1 3/4"	A1	AL02	0HR	5,6,9	KEY FOB
100F		8' - 0"	8' - 0"	2 1/8"	OH1		0HR	7,8	
100G		8' - 0"	8' - 0"	2 1/8"	OH1		0HR	7,8	
101A	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	3,4,9	KEY FOB
101B	1	2' - 10"	6' - 4"	1 3/4"	H2	HM02	0HR	2	
101C	1	2' - 10"	6' - 4"	1 3/4"	H2	HM02	0HR	2	
101D	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
102A	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	3,4,9	KEY FOB
102B	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
102C	1	2' - 10"	6' - 4"	1 3/4"	H2	HM02	0HR	2	
103	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	3,4,9	KEY FOB
104	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	
105	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
106A		3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	3,4,9	KEY FOB
106B		3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	3,4,9	KEY FOB
107A	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
107B	1	3' - 0"	7' - 0"	1 3/4"	H1	HM01	0HR	1	KEY FOB
107C		8' - 0"	4' - 0"	3"	OH2		0HR	4/A292,5/A292,6/A292	
107D		8' - 0"	4' - 0"	3"	OH2		0HR	1/A292,2/A292,3/A292	

## **GENERAL DOOR & HARDWARE NOTES**

- ALL DOOR HARDWARE SHALL BE CAPABLE OF OPERATION W/ THE USE OF ONE (1) HAND & SHALL NOT REQUIRE TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE. THUMBTURN DEADBOLTS ARE PROHIBITED. LEVER OR PADDLE DEADBOLT RELEASES ARE ACCEPTABLE. DOOR THRESHOLD SHALL NOT EXCEED ONE-HALF INCH IN HEIGHT & SHALL HAVE 1:2 BEVEL. DOOR CLOSERS SHALL MEET THE FORCE & SWEEP PERIOD REQUIREMENTS.
- PROVIDE LEVER TYPE HANDLES ON LOCKETS
- SEE HARDWARE SETS FOR DOORS WITH ELECTRONIC, KEYPADS, ALARMS,
- HARDWARE FINISH: BHMA 65L SATIN CHROME FINISH

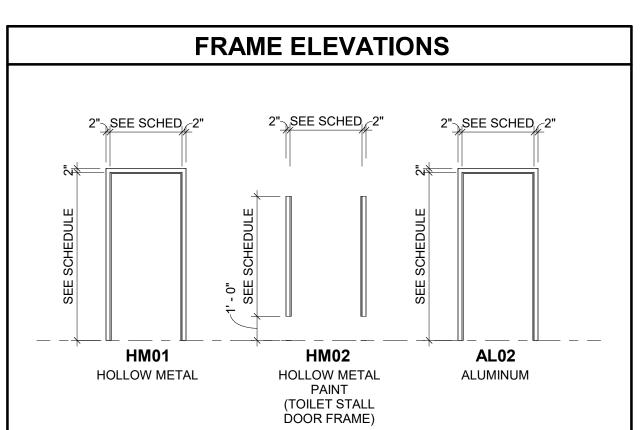


**HOLLOW METAL** 

(TOILET STALL DOOR)

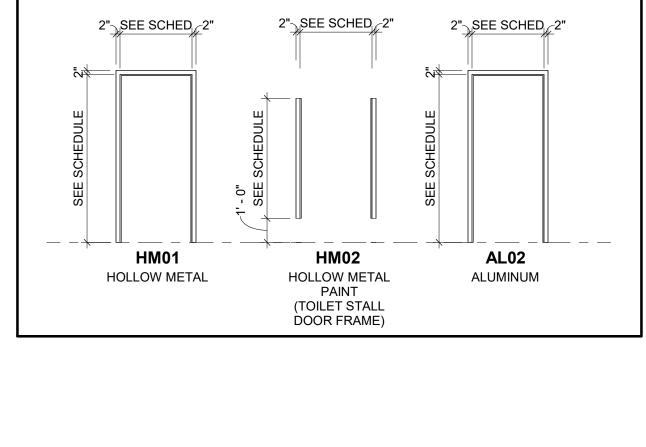
**HOLLOW METAL** 

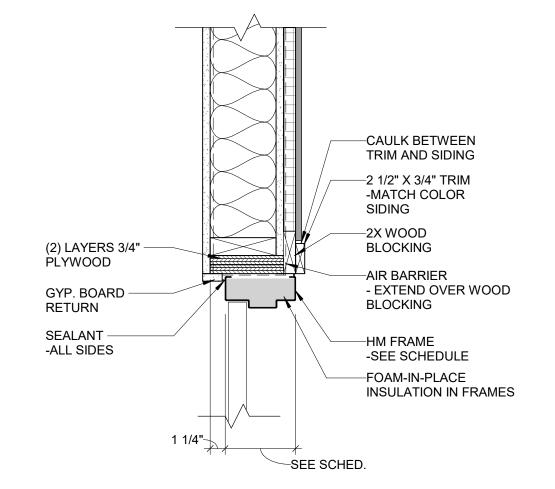
INSULATED @ EXTERIOR

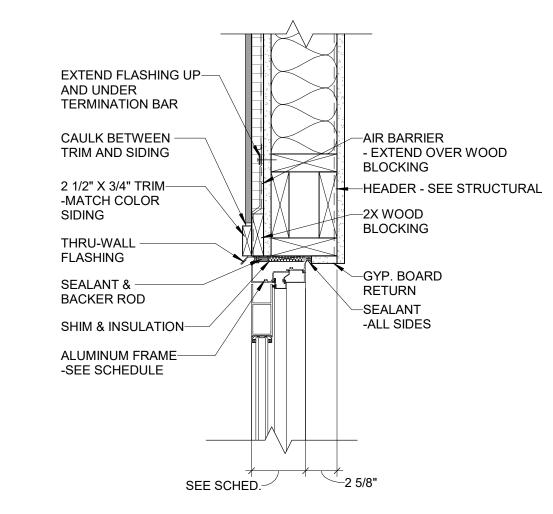


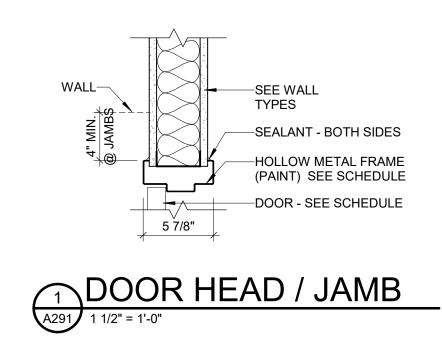
OH2

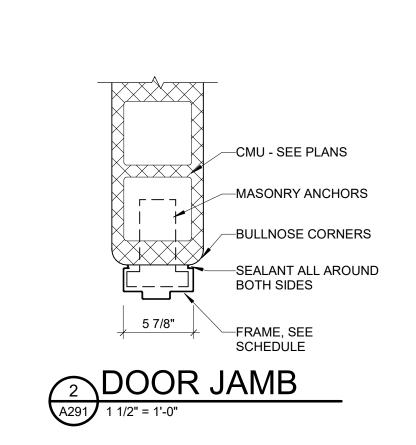
OVERHEAD COILING













**HEADER - SEE** 

STRUCTURAL-

2X WOOD — BLOCKING

GYP. BOARD -

RETURN

SEALANT — -ALL SIDES

EXTEND FLASHING UP

TERMINATION BAR

-CAULK BETWEEN

TRIM AND SIDING

—2 1/2" X 3/4" TRIM

-MATCH COLOR

SIDING

-THRU-WALL

HM FRAME

-SEE SCHEDULE

FOAM-IN-PLACE

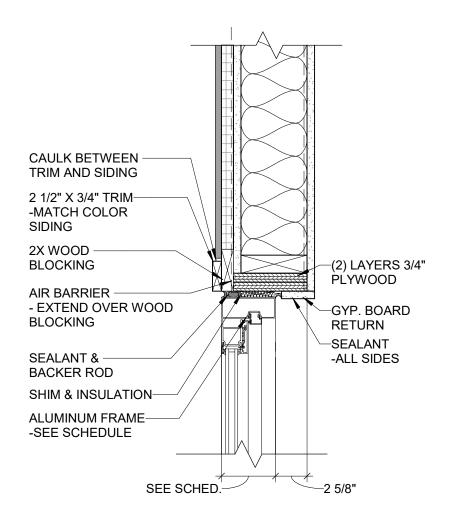
INSULATION IN FRAMES

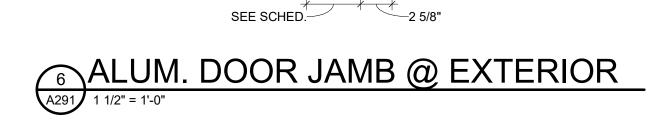
FLASHING

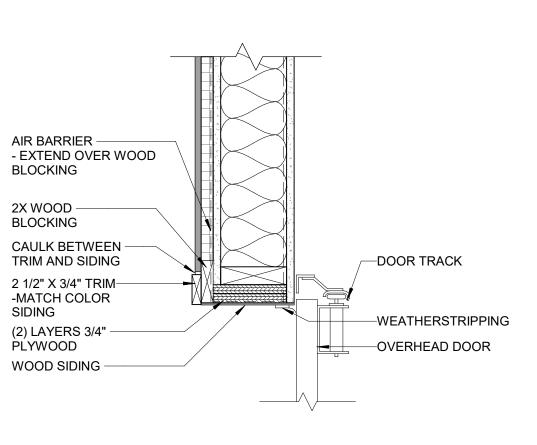
AND UNDER



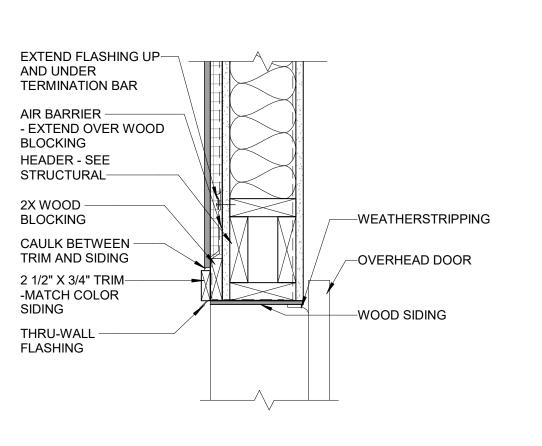




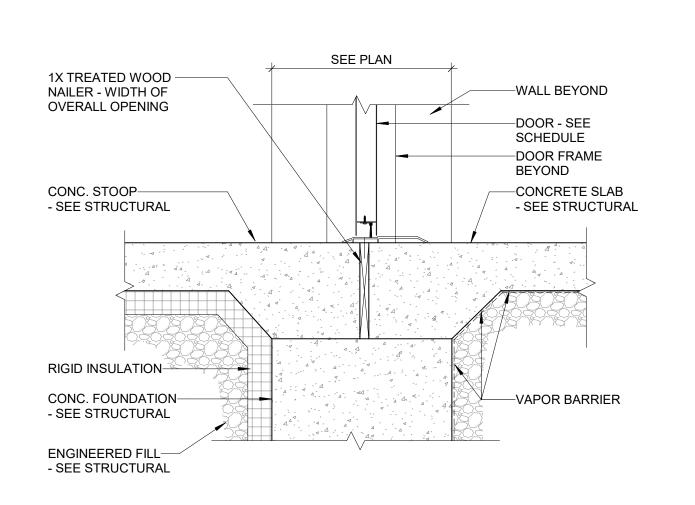




7 O.H.D. JAMB DETAIL
A291 1 1/2" = 1'-0"



8 O.H.D. HEAD DETAIL
A291 1 1/2" = 1'-0"



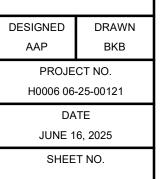
9 DOOR THRESHOLD DETAIL
A291 1 1/2" = 1'-0"

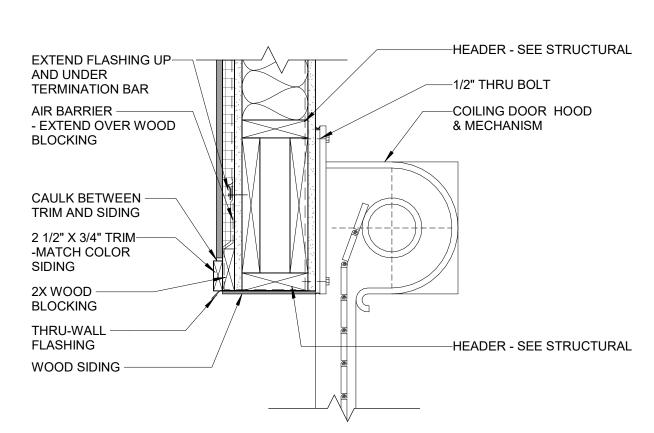
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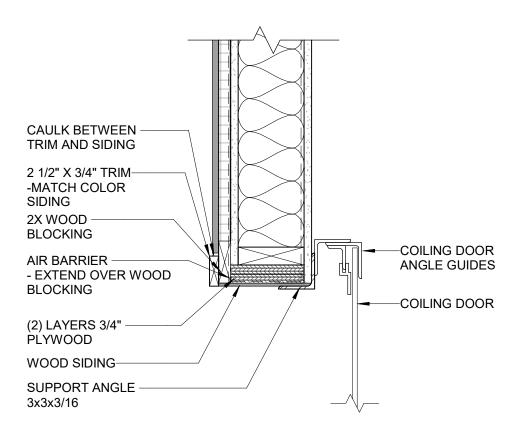
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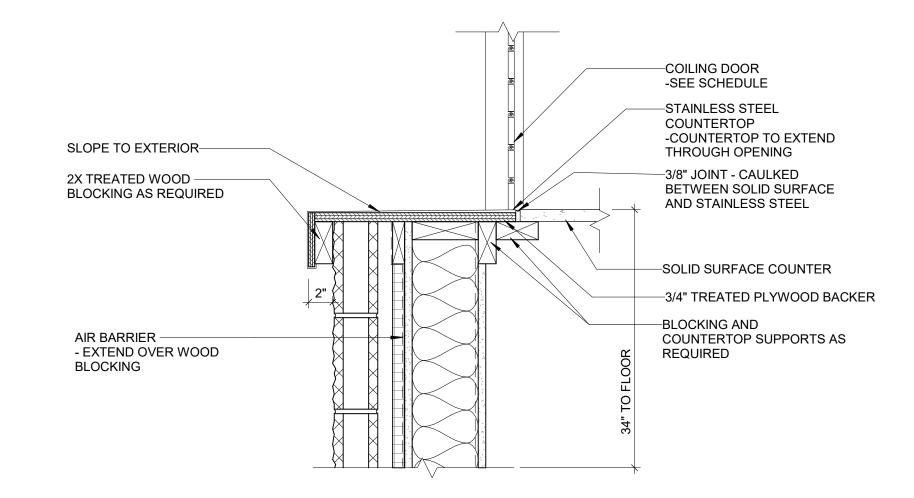




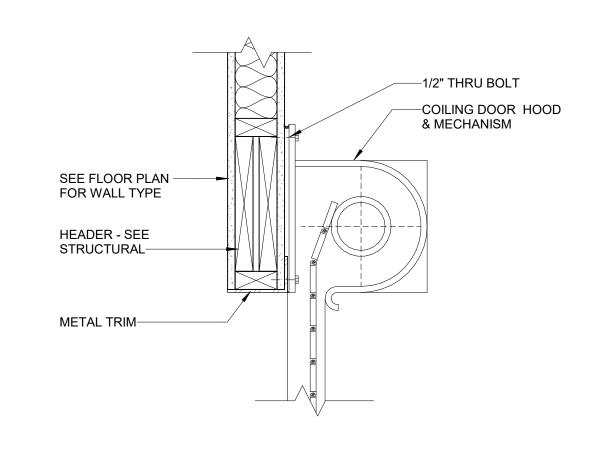




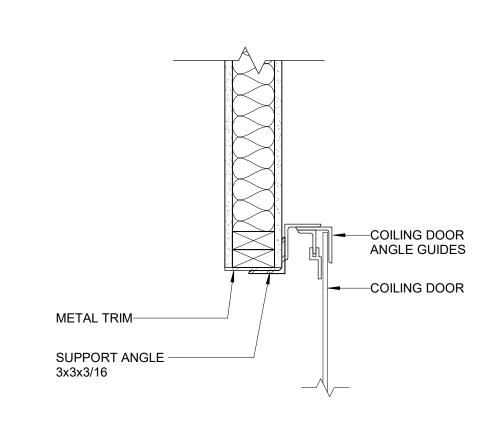
COILING JAMB @ EXTERIOR



3 COILING SILL @ EXTERIOR
A292 1 1/2" = 1'-0"

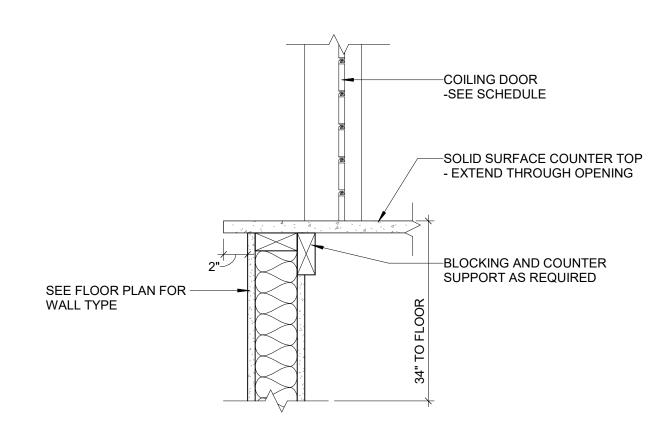


COILING HEAD @ INTERIOR

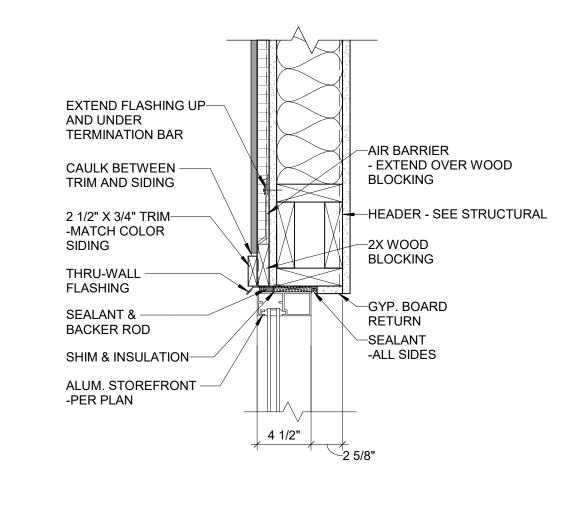


COILING JAMB @ INTERIOR

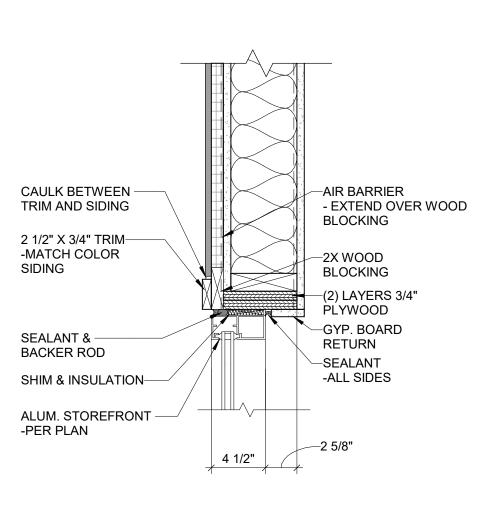
1 1/2" = 1'-0"



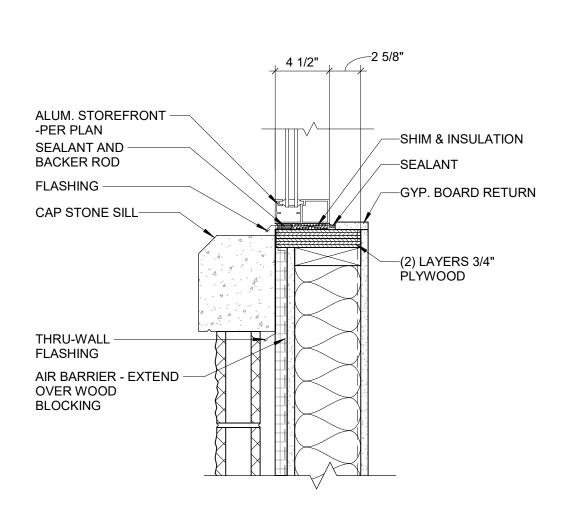




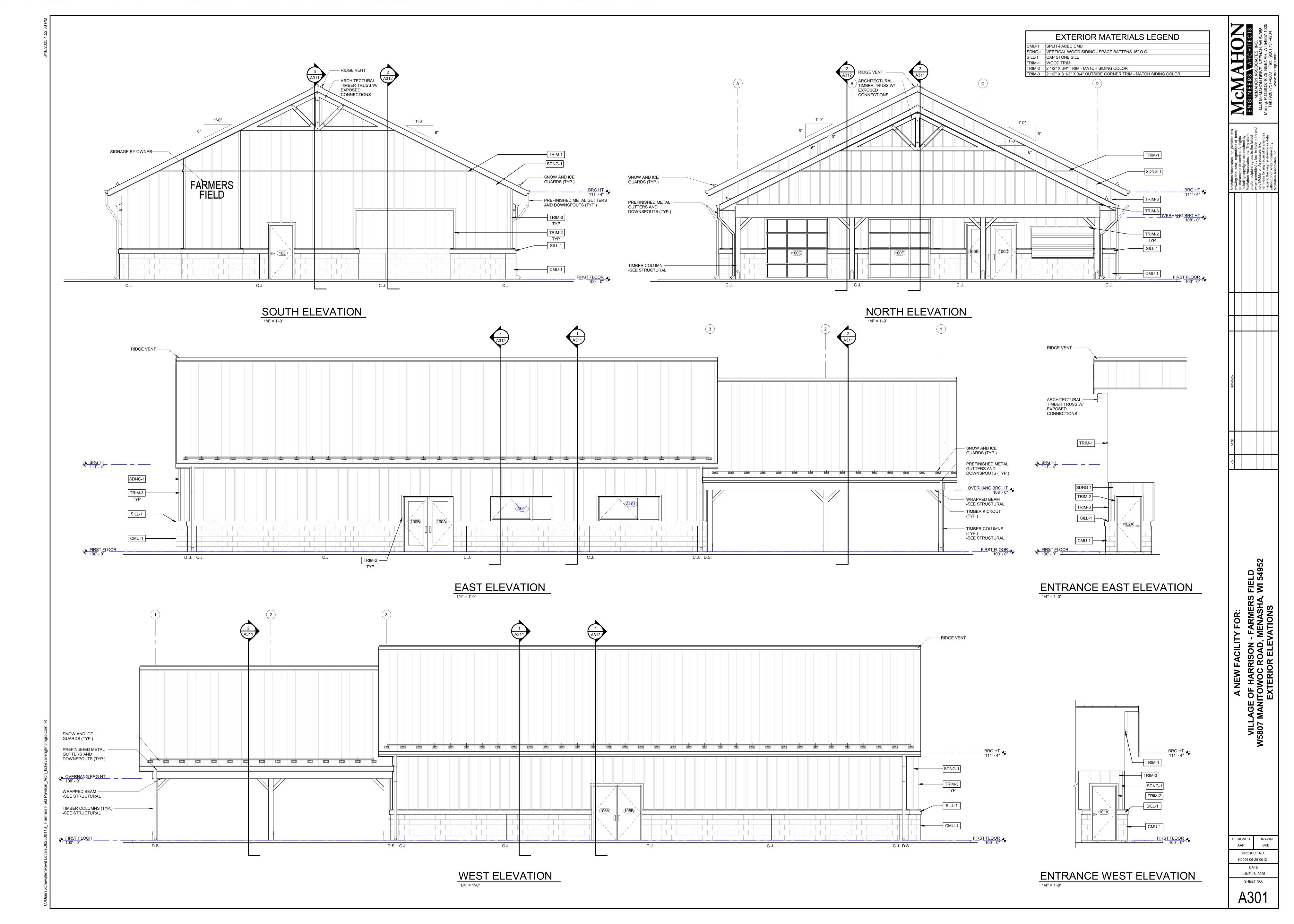




8 WINDOW JAMB DETAIL
A292 1 1/2" = 1'-0"



9 WINDOW SILL DETAIL
A292 1 1/2" = 1'-0"



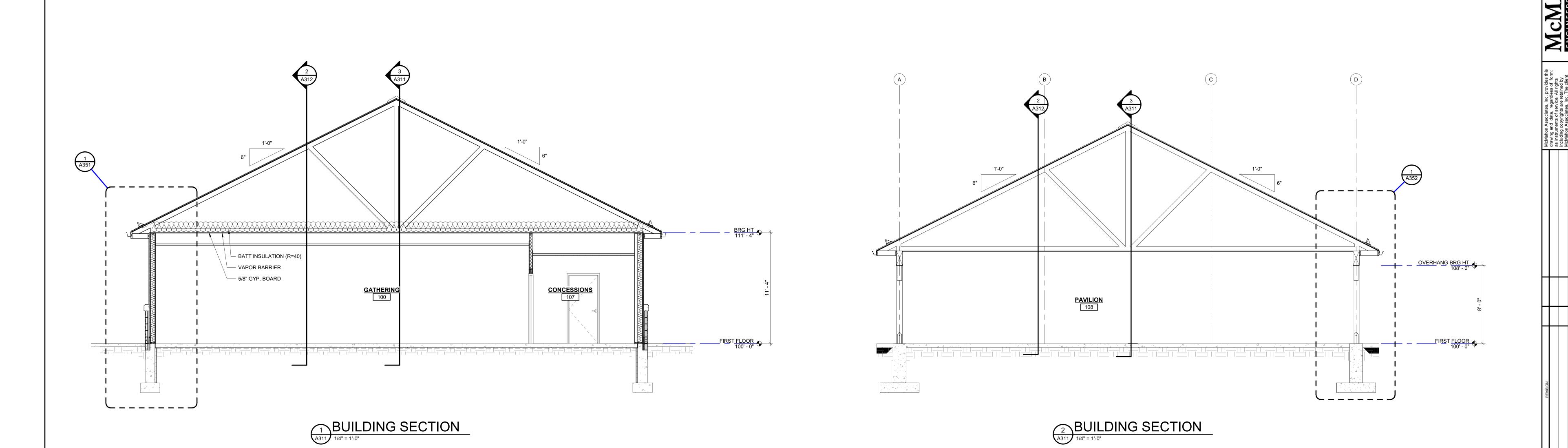
DATE
JUNE 16, 2025
SHEET NO.

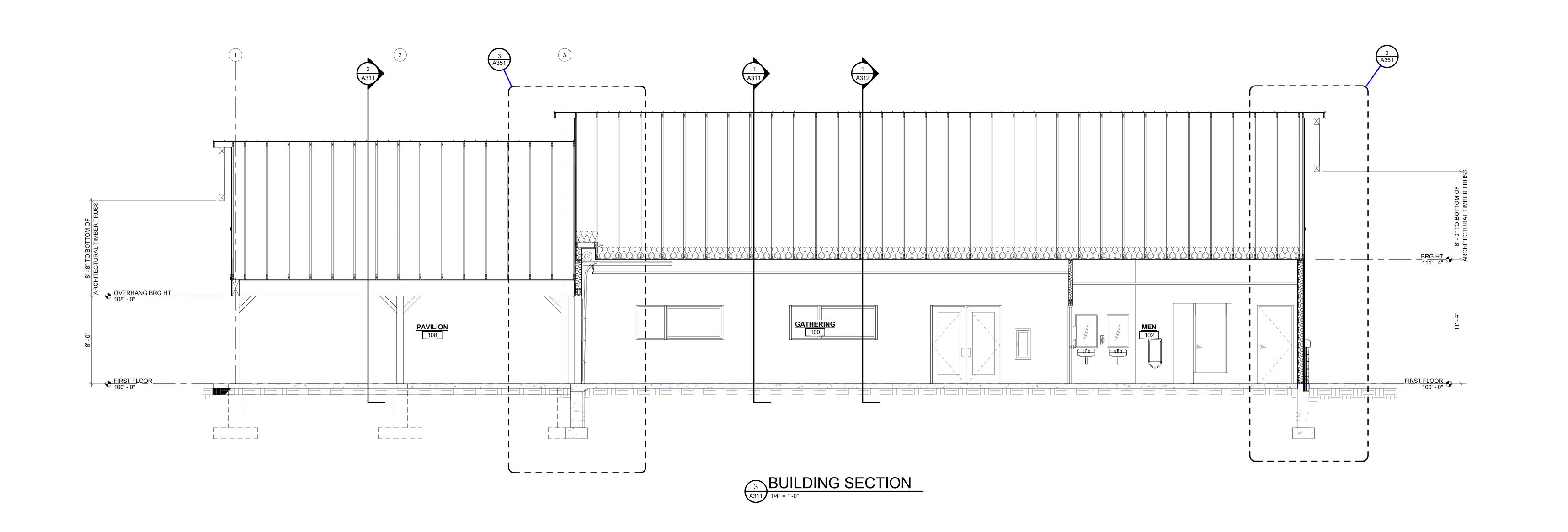
A302



## CONCEPT VIEW #1







A NEW FACILITY FOR:
VILLAGE OF HARRISON - FARMERS FIEL
W5807 MANITOWOC ROAD, MENASHA, WI 5
BUILDING SECTIONS

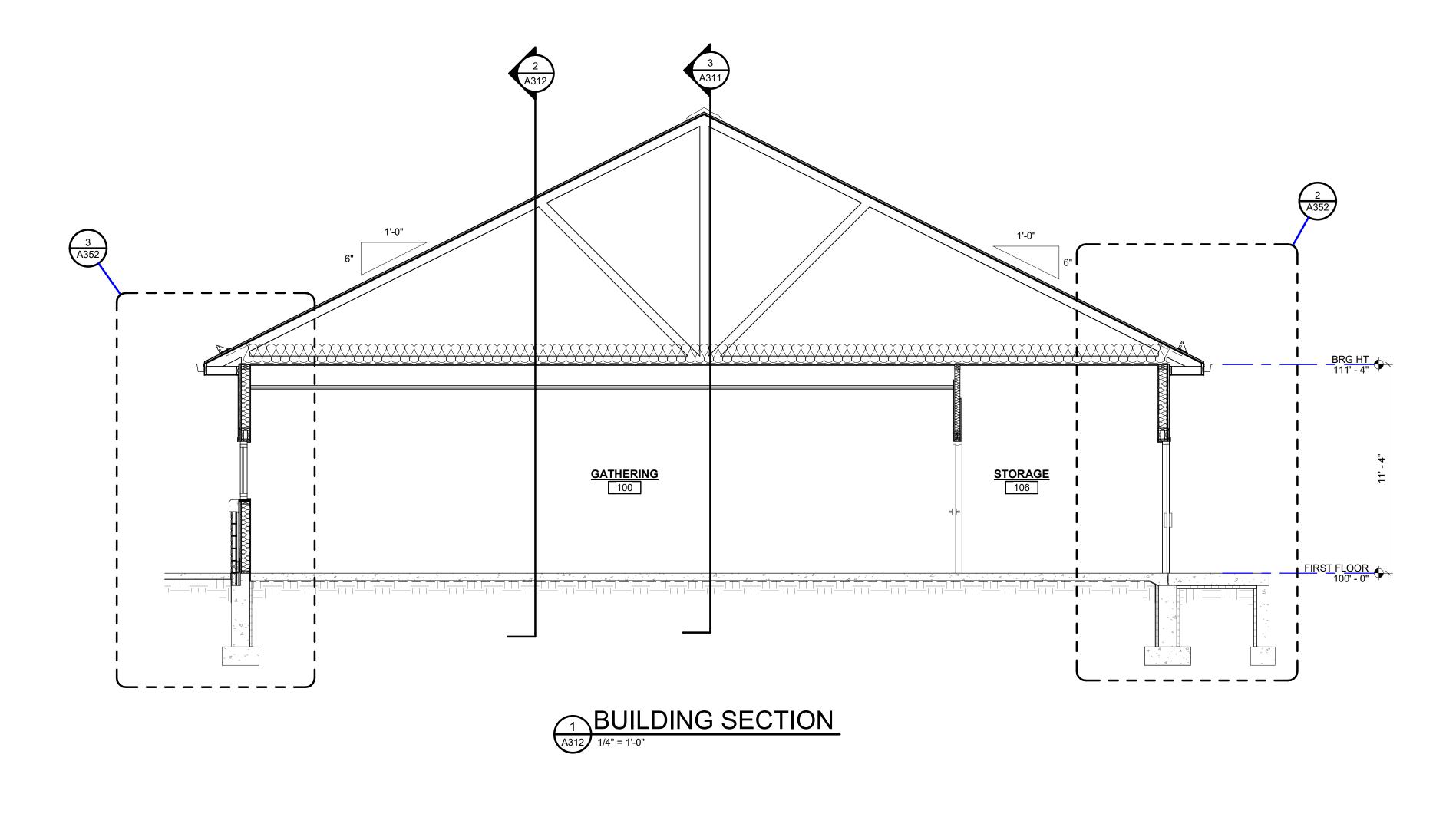
DESIGNED DRAWN
AAP BKB

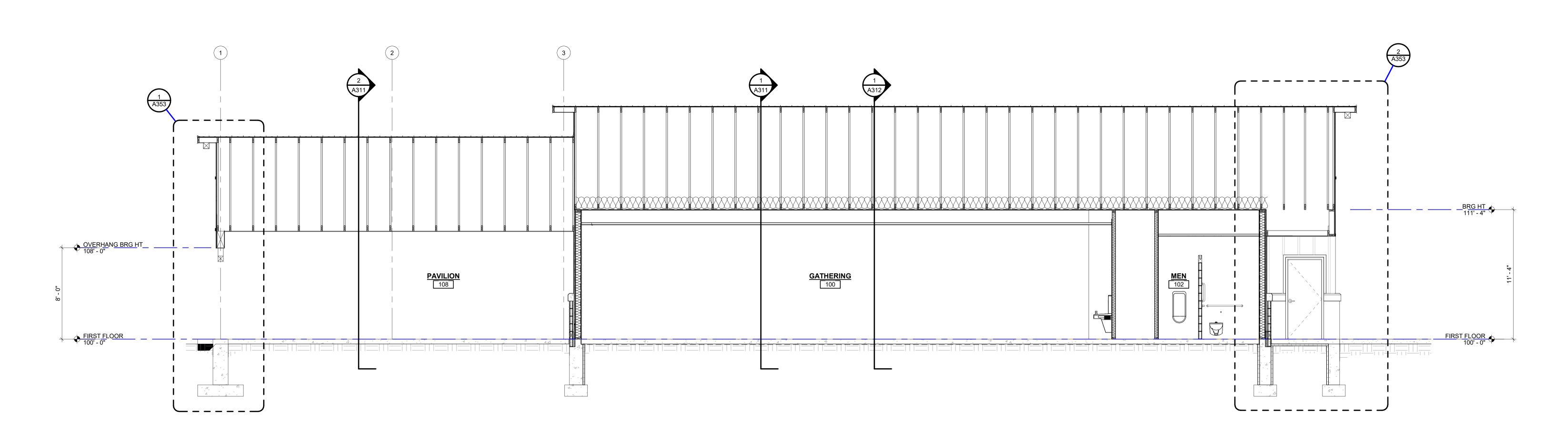
PROJECT NO.
H0006 06-25-00121

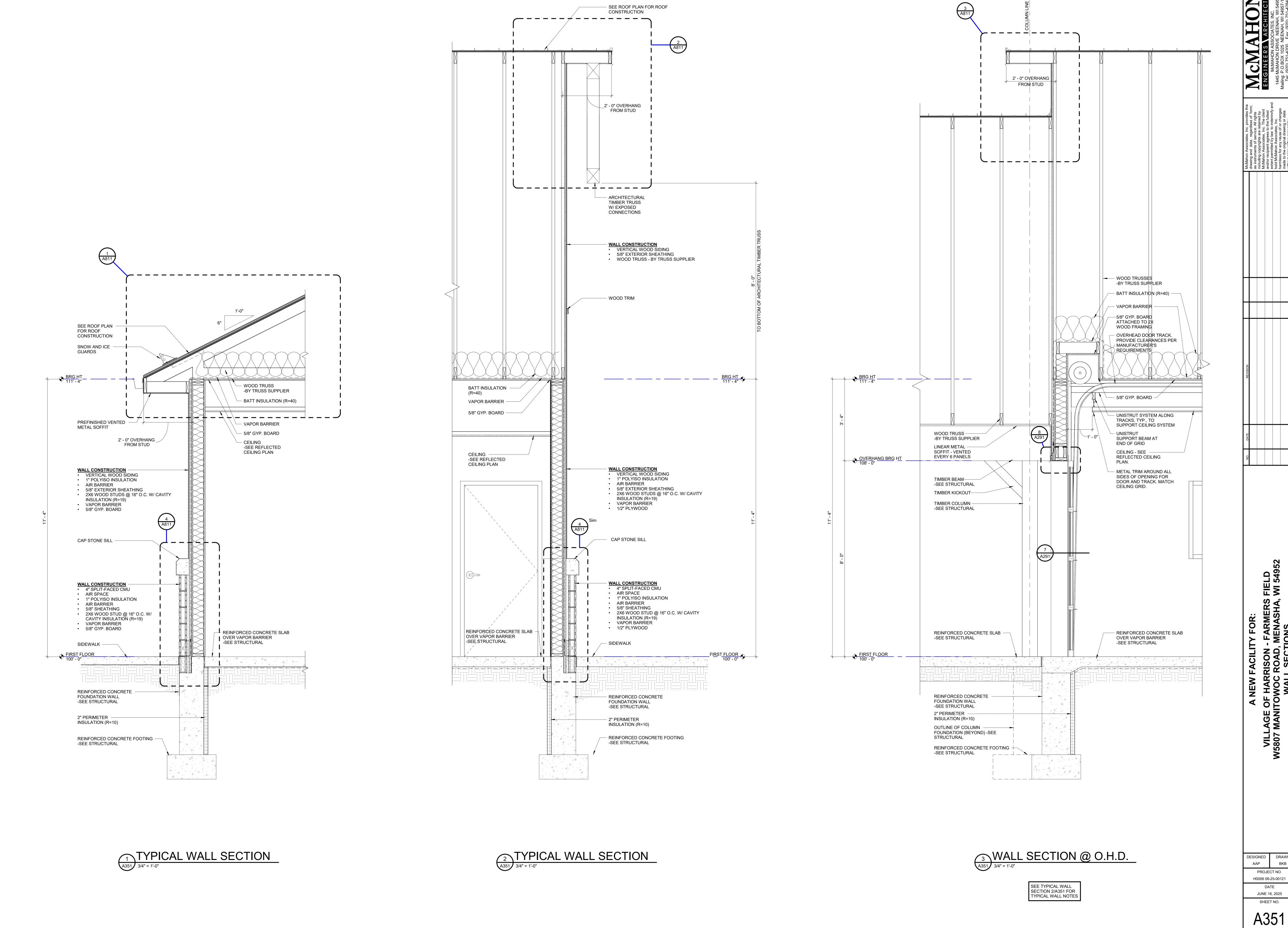
DATE

A312

DATE JUNE 16, 2025 SHEET NO.







DRAWN BKB PROJECT NO. H0006 06-25-00121 DATE JUNE 16, 2025 SHEET NO.

SEE ROOF PLAN FOR — ROOF CONSTRUCTION

WOOD TRUSS ——— -BY TRUSS SUPPLIER

SIDEWALK -

REINFORCED CONCRETE FOUNDATION WALL

REINFORCED CONCRETE FOOTING — -SEE STRUCTURAL

WALL SECTION @ WINDOW

A352 3/4" = 1'-0"

SEE TYPICAL WALL SECTION 1/A351 FOR TYPICAL WALL NOTES

-SEE STRUCTURAL

INSULATION (R=10)

2" PERIMETER —

2' - 0" OVERHANG

FROM STUD

- BATTINSULATION (R=4

VAPOR BARRIER

— 5/8" GYP. BOARD

-SEE REFLECTED CEILING PLAN

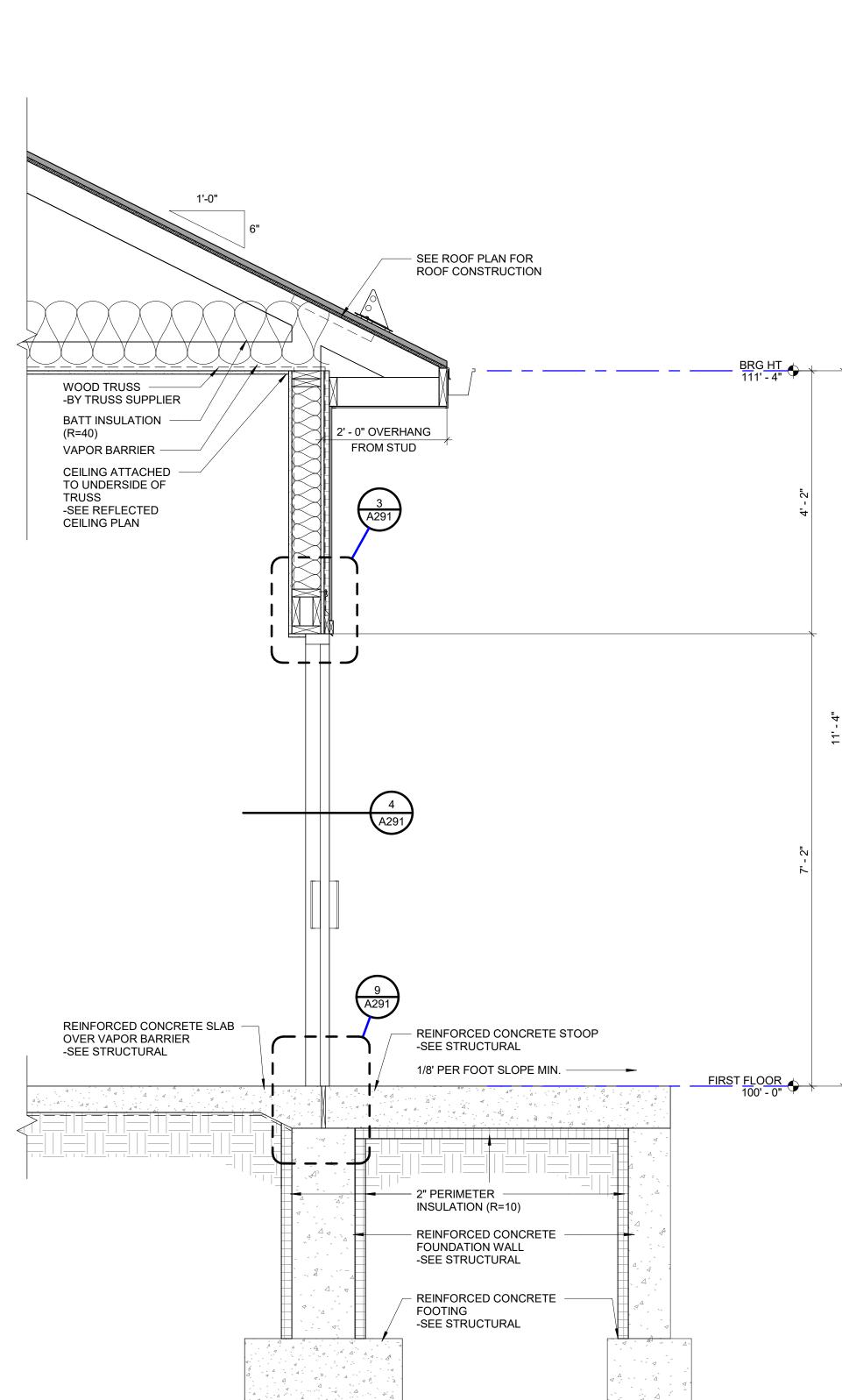
REINFORCED CONCRETE SLAB
 OVER VAPOR BARRIER

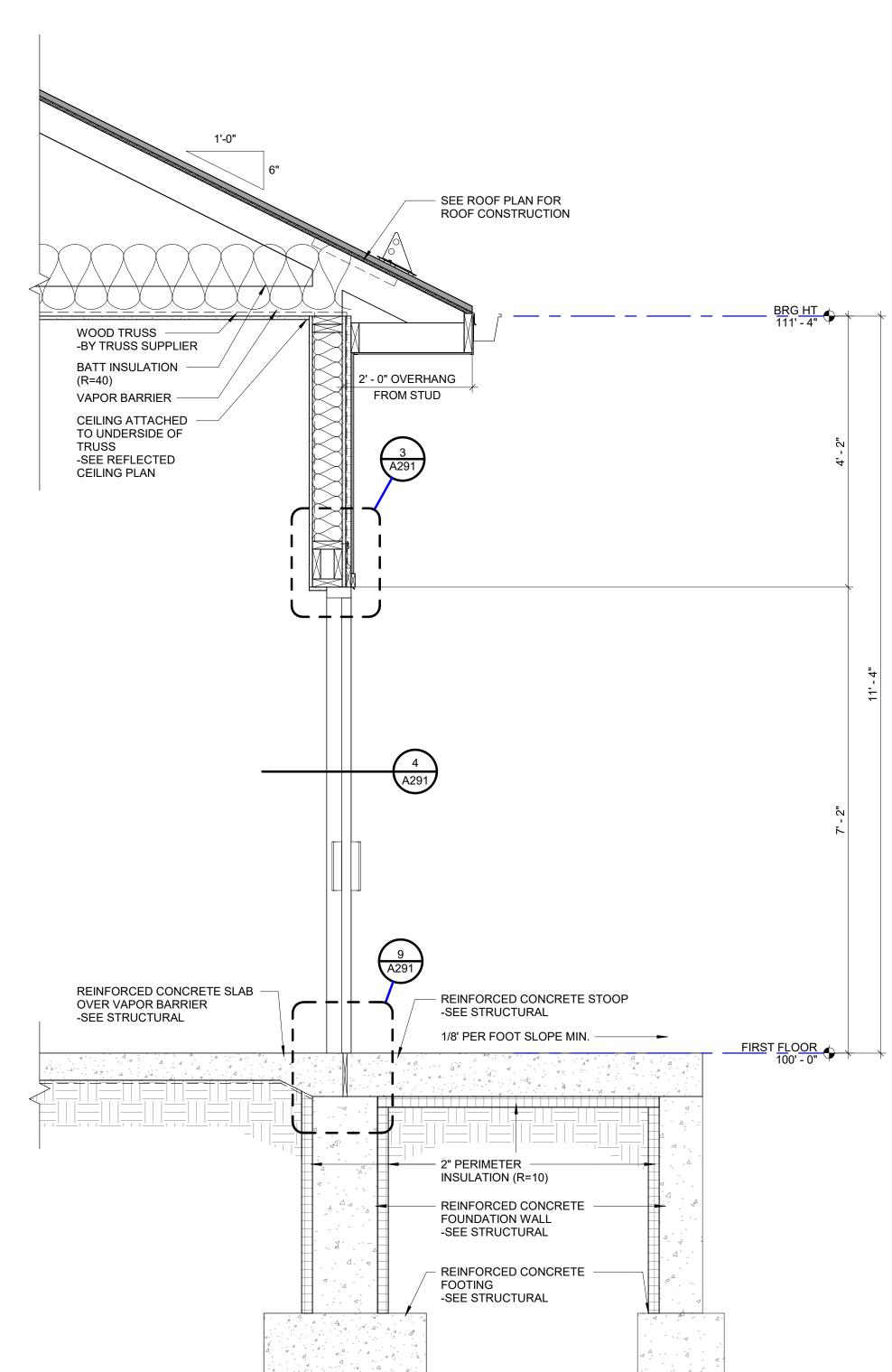
-SEE STRUCTURAL

- CEILING

DESIGNED AAP PROJECT NO. H0006 06-25-00121

JUNE 16, 2025 SHEET NO. A352







SEE ROOF PLAN FOR ROOF CONSTRUCTION

SNOW AND ICE GUARDS

\_2' - 4" OVERHANG FROM CENTER OF COLUMN LINE

-SEE STRUCTURAL

-WOOD SIDING WRAP AROUND TIMBER BEAM

- TIMBER KICKOUT

TIMBER COLUMN-SEE STRUCTURAL

REINFORCED CONCRETE

REINFORCED CONCRETE FOUNDATION WALL

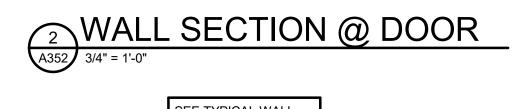
REINFORCED CONCRETE

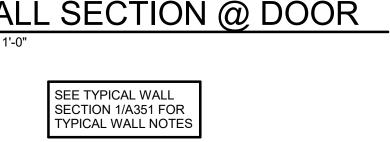
FOOTING -SEE STRUCTURAL

-SEE STRUCTURAL

-SEE STRUCTURAL

LINEAR METAL — SOFFIT - VENTED EVERY 6 PANELS





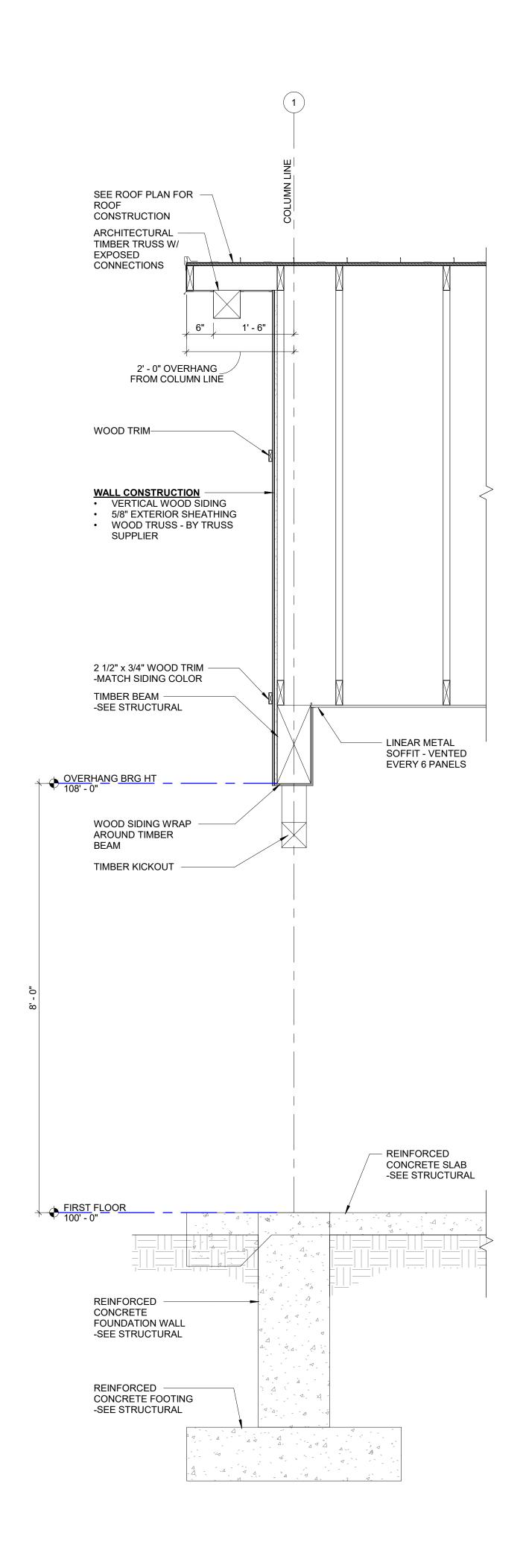
DESIGNED DRAWN
AAP BKB

PROJECT NO.
H0006 06-25-00121

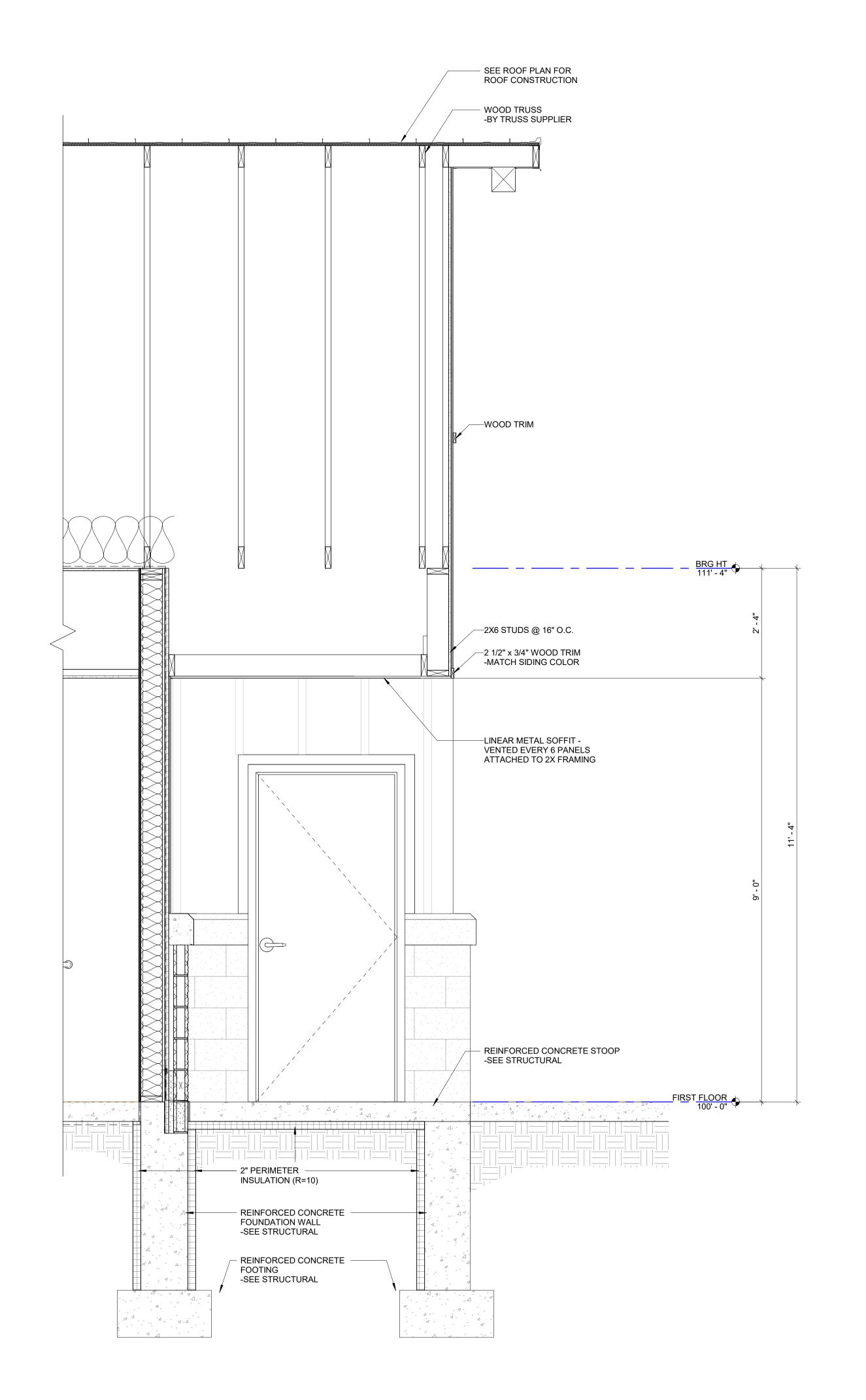
DATE
JUNE 16, 2025

SHEET NO.

A353







WALL SECTION @ RESTROOM

2 ENTRANCE

A353 3/4" = 1'-0"



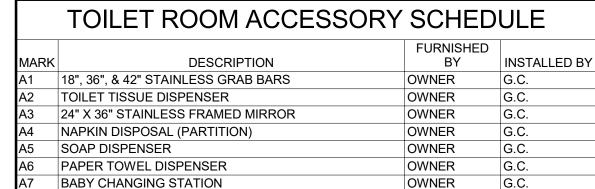
#### (FIXTURES SHOWN ABOVE ARE FOR DESIGN INTENT ONLY)

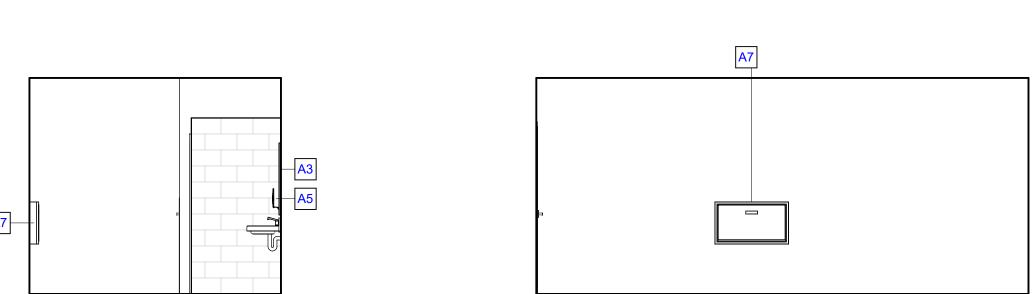
ACCESSORY / FIXTURE MOUNTING HEIGHTS & CLEARANCES

SCALE: 1/4" = 1'-0"

	TOILET ROOM ACCESSORY SCHEDULE							
MARK	DESCRIPTION	FURNISHED BY	INSTALLED BY					
A1	18", 36", & 42" STAINLESS GRAB BARS	OWNER	G.C.					
A2	TOILET TISSUE DISPENSER	OWNER	G.C.					
A3	24" X 36" STAINLESS FRAMED MIRROR	OWNER	G.C.					
A4	NAPKIN DISPOSAL (PARTITION)	OWNER	G.C.					
A5	SOAP DISPENSER	OWNER	G.C.					
A6	PAPER TOWEL DISPENSER	OWNER	G.C.					
A7	BABY CHANGING STATION	OWNER	G.C.					

<u>HUNG TYPE URINAL</u>









**GENERAL INTERIOR & CASEWORK NOTES** 

• SUPPLY AND INSTALL SUPPORT BRACKETS AS NEEDED UNDER COUNTERTOPS.

• FOR SHELVES GREATER THAN 2'-6" IN WIDTH PROVIDE DOUBLE PLY FOR EACH

INDICATES CASEWORK AND COUNTER MATERIAL. SEE FINISH SCHEDULE.

CABINET FILLER - MINIMUM 1" FILLER WHERE CABINET IS 90 DEGREES TO

• MINIMUM 1" FILLER WHERE CABINET IS 90 DEGREES TO WALL OR OTHER

GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY BACKING IN WALLS.

• PROVIDE OFFSET TRAP AND HW, CW, DRAIN INSULATION KIT AT ALL OPEN

FIELD VERIFY ALL DIMENSIONS PRIOR TO CASEWORK CONSTRUCTION.

VERIFY ALL EQUIPMENT WITH OWNER PRIOR TO CONSTRUCTION.

RADIUS ALL OUTSIDE CORNERS OF COUNTERTOPS.

CABINETS

ADJUSTABLE SHELF

**CASEWORK LEGEND** 

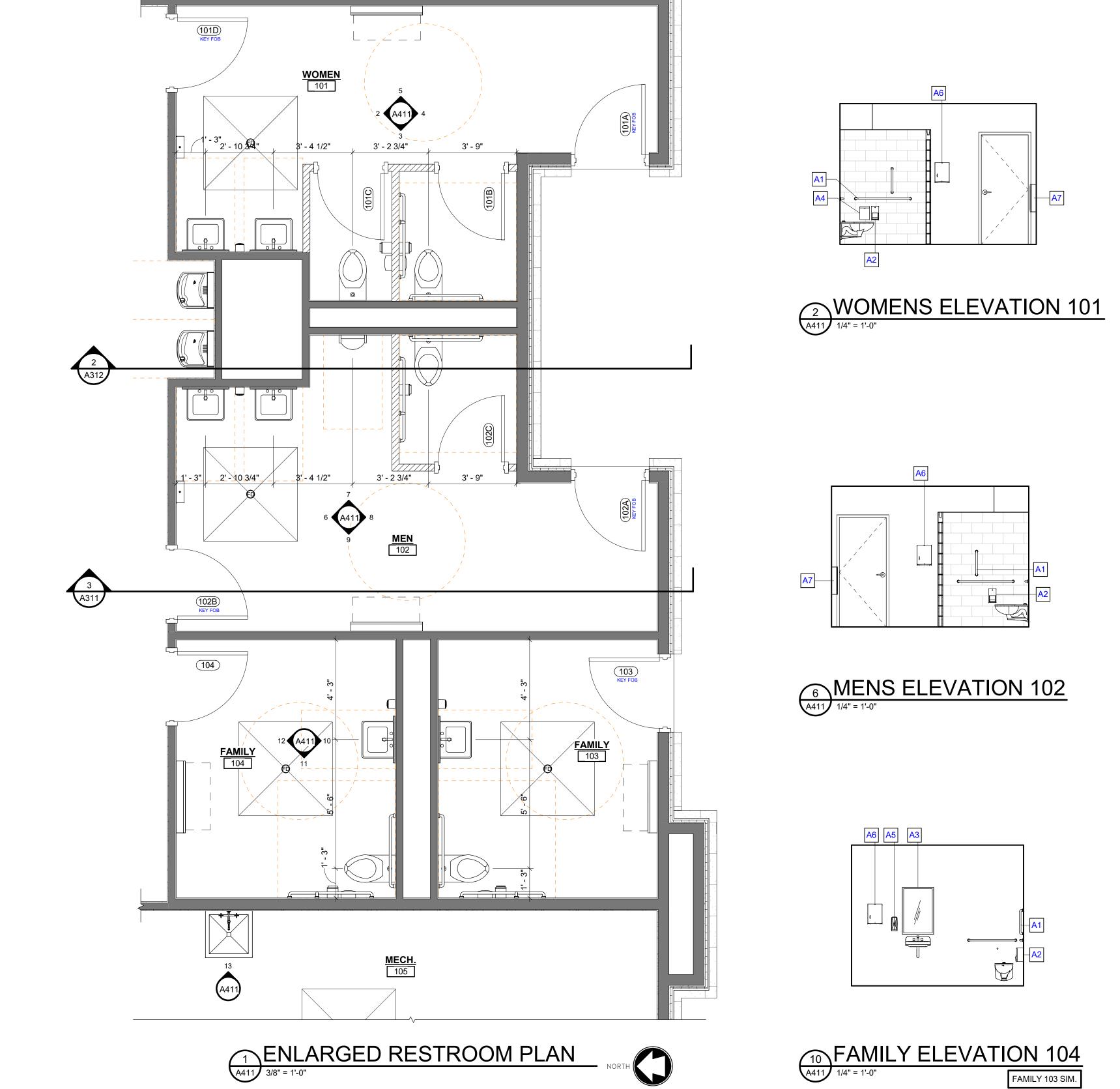
WALL OR OTHER CABINETS

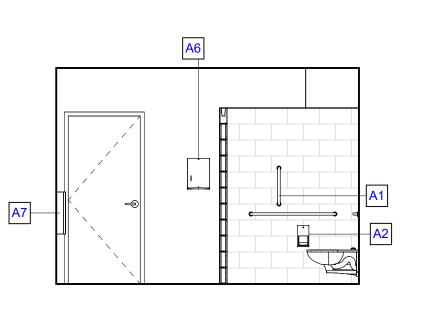
SF SINK & FAUCET - SEE PLUMBING DRAWINGS

CS COUNTER SUPPORT BRACKET

EP FINISHED END PANEL

KS KNEE SPACE

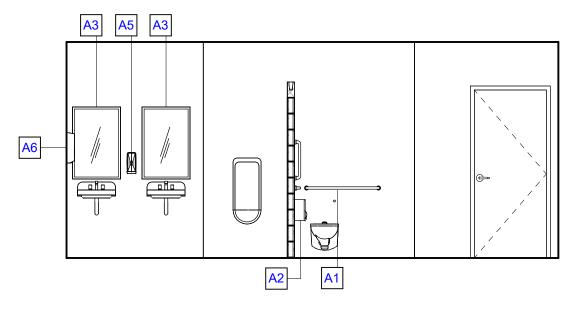




FAMILY ELEVATION 104

| 1/4" = 1'-0" | FAMILY 103 SIM.





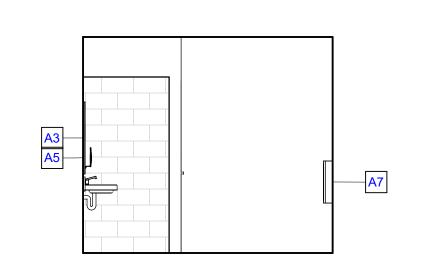
WOMENS ELEVATION 101



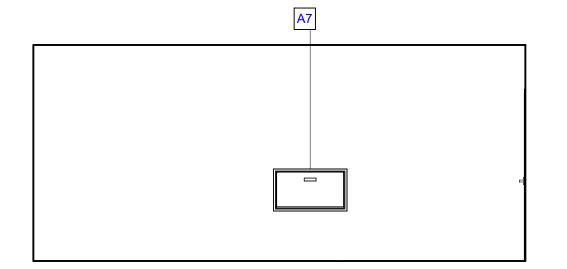
FAMILY ELEVATION 104

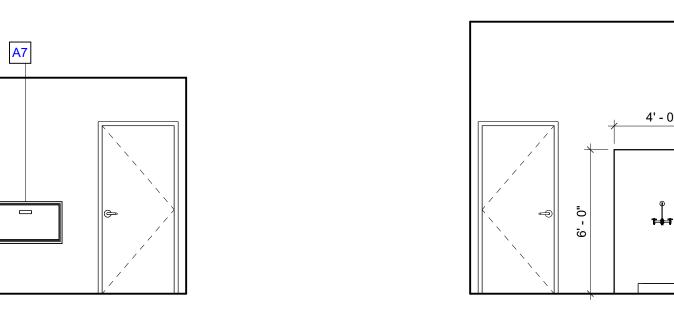
1/4" = 1'-0"

FAMILY 103 SIM.

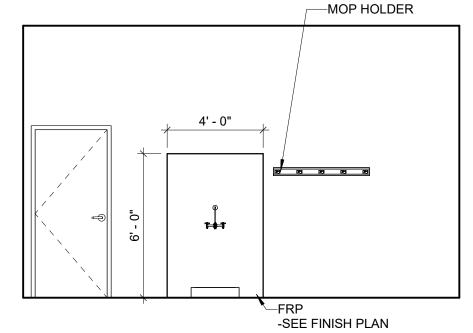


8 MENS ELEVATION 102
A411 1/4" = 1'-0"









13	JANITORS SINK ELEVATION	105
A411	1/4" = 1'-0"	

AAP PROJECT NO. H0006 06-25-00121

JUNE 16, 2025 A411

# ENLARGED CONCESSIONS PLAN | A511 | 3/8" = 1'-0"

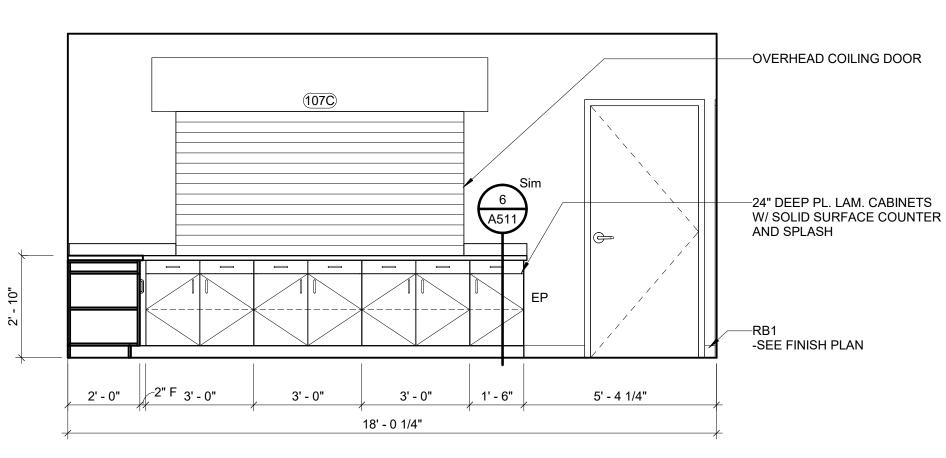
<del>| - + - - - + - - - - - + - - - - + + - -</del>

## **GENERAL INTERIOR & CASEWORK NOTES**

- GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY BACKING IN WALLS.
- PROVIDE OFFSET TRAP AND HW, CW, DRAIN INSULATION KIT AT ALL OPEN
- FIELD VERIFY ALL DIMENSIONS PRIOR TO CASEWORK CONSTRUCTION.
- VERIFY ALL EQUIPMENT WITH OWNER PRIOR TO CONSTRUCTION.
- RADIUS ALL OUTSIDE CORNERS OF COUNTERTOPS.
- SUPPLY AND INSTALL SUPPORT BRACKETS AS NEEDED UNDER COUNTERTOPS.
- MINIMUM 1" FILLER WHERE CABINET IS 90 DEGREES TO WALL OR OTHER CABINETS
- FOR SHELVES GREATER THAN 2'-6" IN WIDTH PROVIDE DOUBLE PLY FOR EACH ADJUSTABLE SHELF

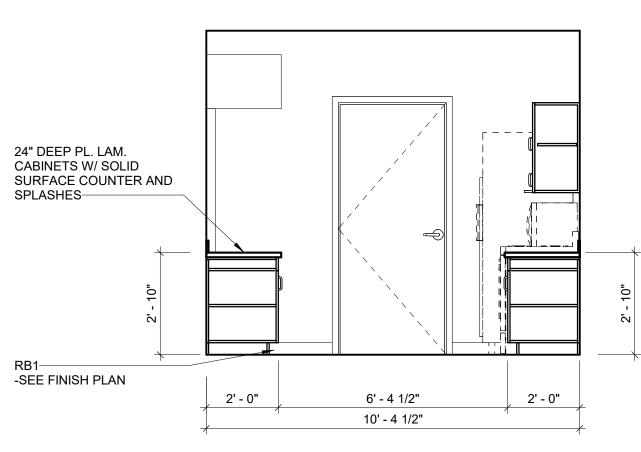
#### **CASEWORK LEGEND**

- INDICATES CASEWORK AND COUNTER MATERIAL. SEE FINISH SCHEDULE. CABINET FILLER - MINIMUM 1" FILLER WHERE CABINET IS 90 DEGREES TO WALL OR OTHER CABINETS
- CS COUNTER SUPPORT BRACKET
- EP FINISHED END PANEL
- KS KNEE SPACE
- SF SINK & FAUCET SEE PLUMBING DRAWINGS

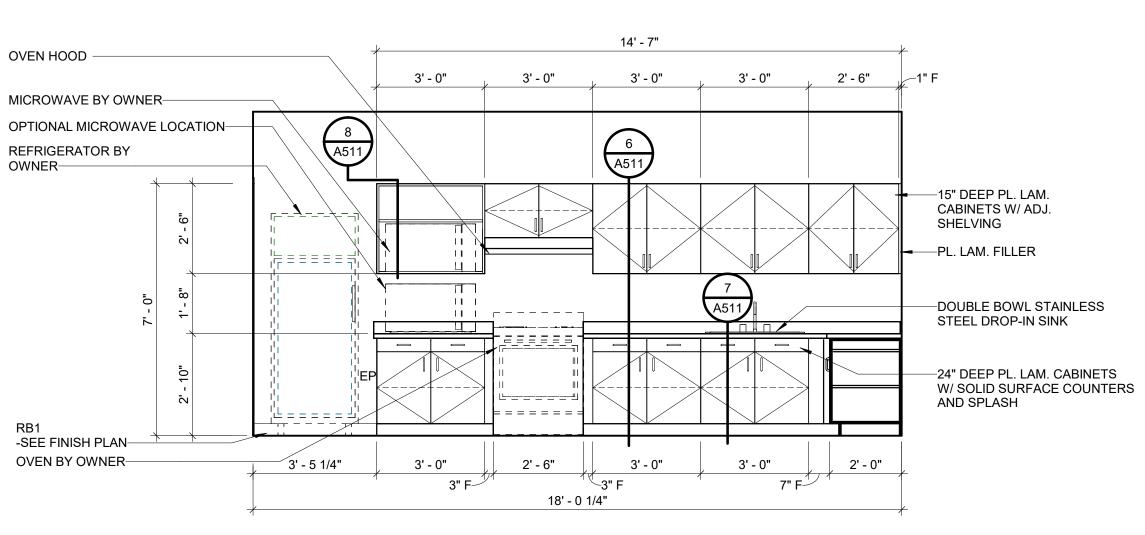


2 CONCESSIONS 107 - NORTH

2 A511 3/8" = 1'-0"

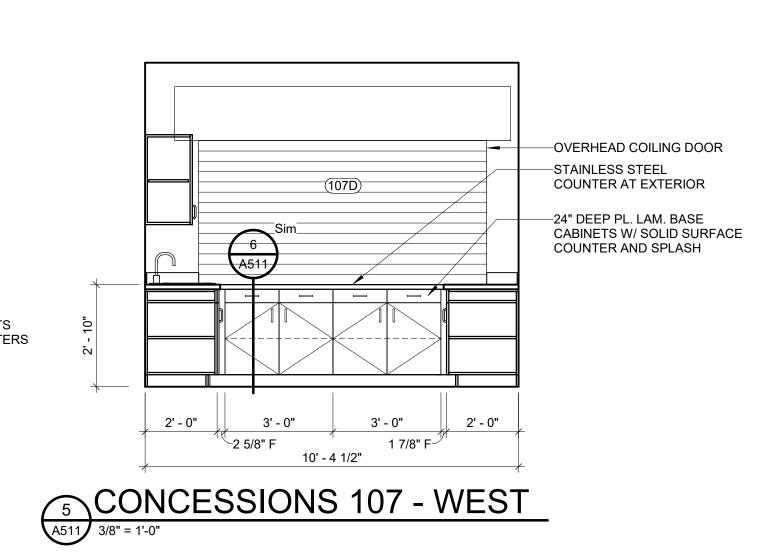


3 CONCESSIONS 107 - EAST
A511 3/8" = 1'-0"



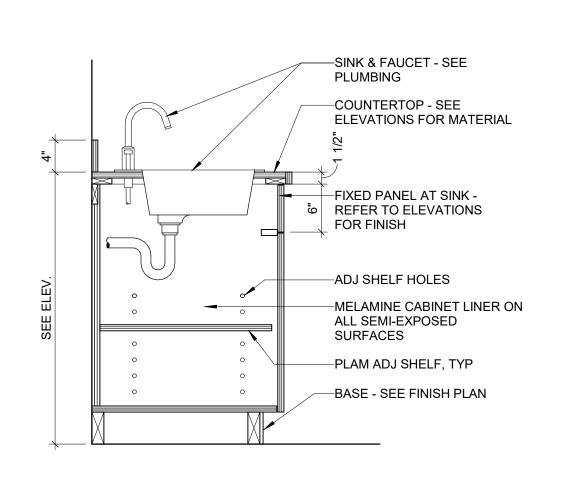
CONCESSIONS 107 - SOUTH

A511 3/8" = 1'-0"



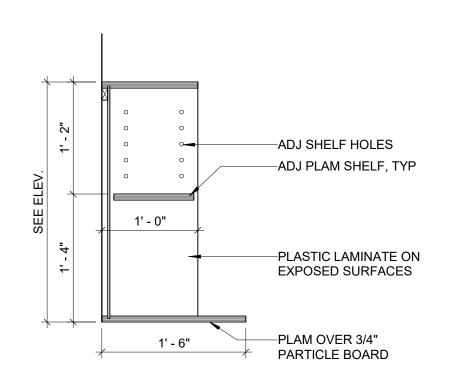
ADJ SHELF HOLES -PLAM OVER 3/4" PARTICLE BOARD -MELAMINE CABINET LINER ON ALL SEMI-EXPOSED SURFACE SEE ELEV -COUNTERTOP & SPLASHES - SEE **ELEVATIONS FOR MATERIAL** SEE ELEV -FIXED PANEL AT SINK -REFER TO ELEVATIONS -ADJ SHELF HOLES -PLAM OVER 3/4" PARTICLE BOARD -MELAMINE CABINET LINER ON ALL SEMI-EXPOSED SURFACES





CASEWORK @ SINK DETAIL

A511 1" = 1'-0"



CASEWORK @ UPPER MICROWAVE

DESIGNED DRAWN
AAP BKB AAP H0006 06-25-00121

A511

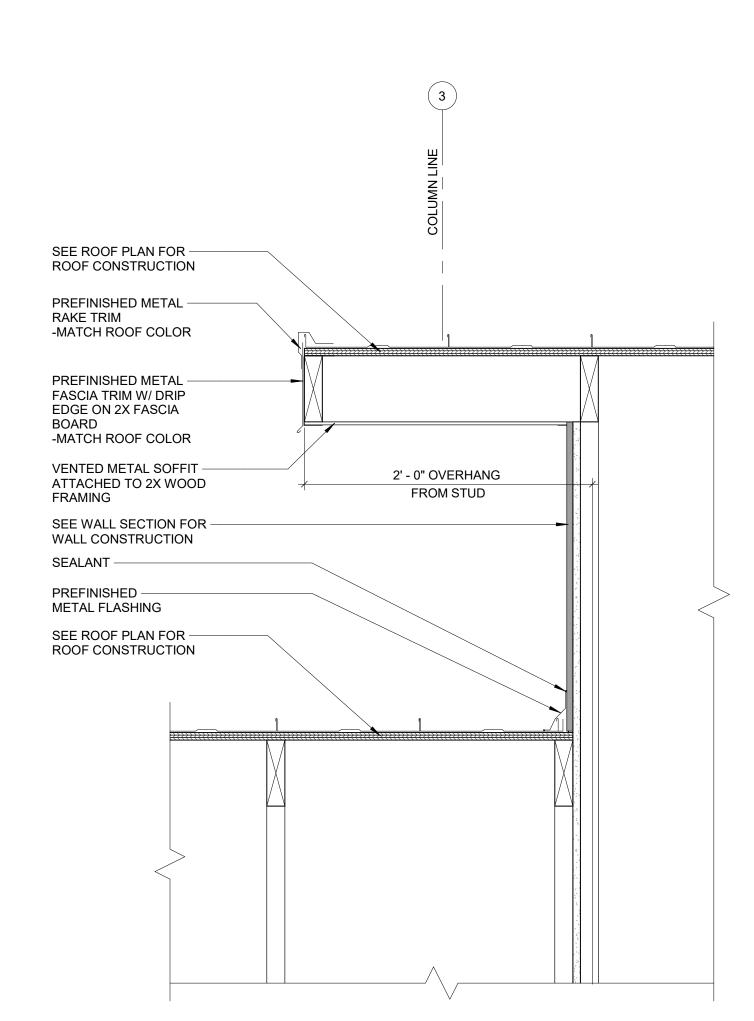
—BASE - SEE FINISH PLAN

ATTACHED TO 2X WOOD FRAMING

SEE WALL SECTION FOR -WALL CONSTRUCTION

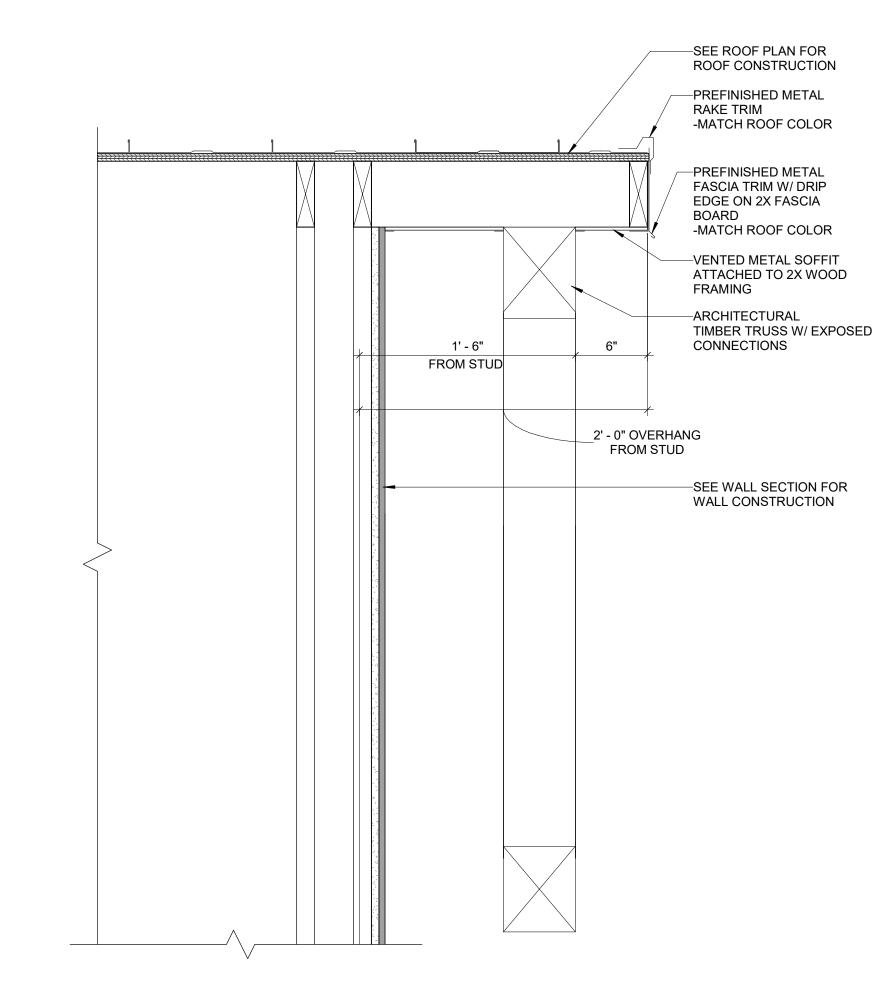
## OVERHANG DETAIL A811 1 1/2" = 1'-0"

— 5/8" GYP. BOARD

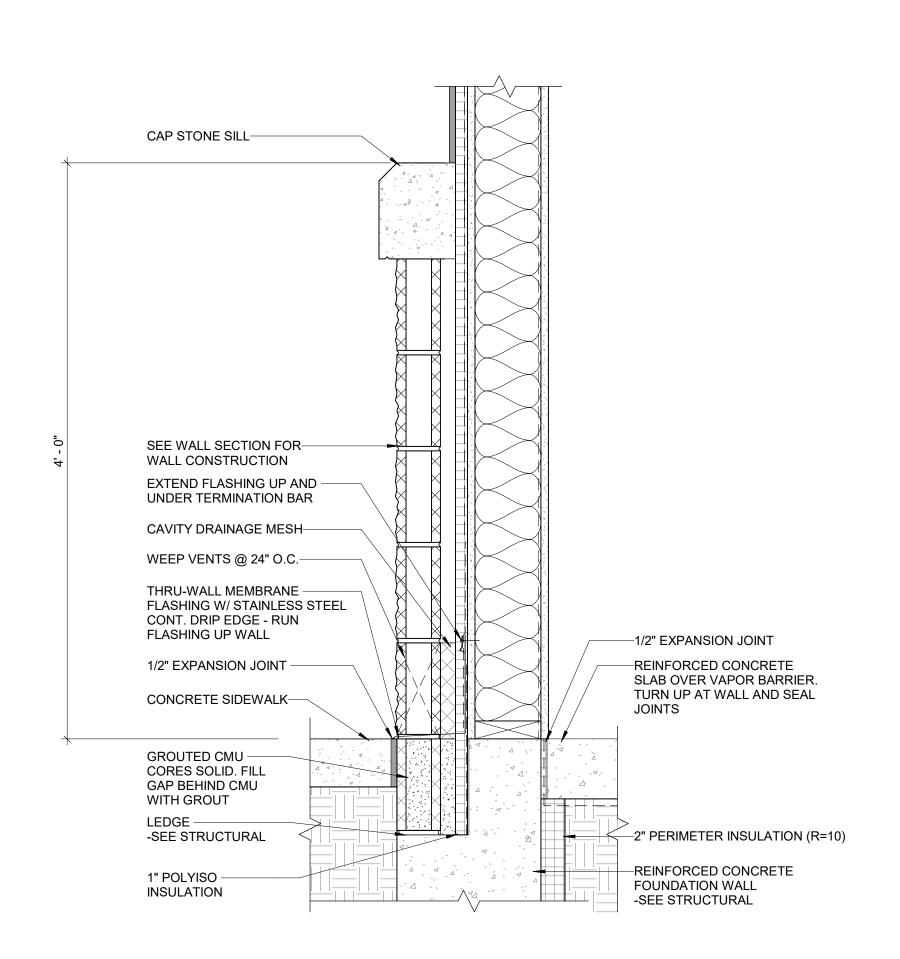


PAVILION CONNECTION DETAIL

A811 1 1/2" = 1'-0"



## GABLE END DETAIL 1 1/2" = 1'-0"



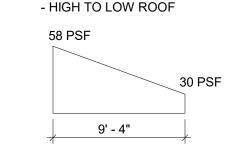
T.O. FOUNDATION DETAIL

A811 1 1/2" = 1'-0"

DESIGNED AAP PROJECT NO. H0006 06-25-00121 JUNE 16, 2025

DESIGN LOADS:							
1. DEAD LOAD: ROOF	- 20 PSF						
2. LIVE LOAD: ROOF	- 20 PSF						
3. SNOW LOAD: GROUND SNOW LOAD (Pg) UNIFORM SNOW LOAD (Ps) ROOF SLOPE FACTOR (Cs) SNOW EXPOSURE FACTOR (Ct) ROOF THERMAL FACTOR (Ct) IMPORTANCE FACTOR (I) UNBALANCED SNOW LOAD (PER WI CODE) IMPORTANCE FACTOR (Is) BASIC ROOF SNOW FACTOR (Cb) WIND EXPOSURE FACTOR (Cw) ROOF SLOPE FACTOR (Cs)	- 40 PSF - 34 PSF - 1.00 - 1.00 - 1.20 - 1.00 - 30 PSF - 1.00 - 0.80 - 1.00 - 0.74						

SNOW ACCUMULATION FACTOR (Ca)



- 1.25

DESIGN WIND SPEED WIND EXPOSURE INTERNAL PRESSURE COEFFICIENT (GCpi)

- 115 MPH - 0.18 (ENCLOSED STRUCTURE)

MAPPED SPECTRAL RESPONSE

IMPORTANCE FACTOR (I)

SNOW DRIFE PROFILE A

- 0.056 - 0.035 - 1.00

SITE CLASS

1. SEE MECHANICAL PLANS FOR CONCENTRATED EQUIPMENT POINT LOADS ON FLOOR AND ROOF FRAMING.

- 2. VERIFY SIZE, LOCATION, AND NUMBER OF WALL, FLOOR, AND ROOF OPENINGS WITH THE STRUCTURAL, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS. PROVIDE ALL OPENINGS AND SUPPORT FRAMING.
- 3. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL ARCHITECTURAL AND MECHANICAL ATTACHMENTS TO STRUCTURAL FRAMING.
- 4. PROVIDE ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING, OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.
- 5. SUBMIT SHOP DRAWINGS FOR ALL PRE-FABRICATED ITEMS SUCH AS REINFORCING STEEL AND ACCESSORIES, WOOD TRUSSES, AND CONCRETE MIX DESIGNS. CONTRACTOR SHALL REVIEW SHOP DRAWINGS BEFORE SUBMITTING TO ENGINEER. FABRICATE ITEMS AFTER
- 6. JOBSITE SAFETY IS THE CONTRACTOR'S RESPONSIBILITY.
- 7. CONTRACTOR SHALL CONFORM WITH ALL OSHA REGULATIONS.
- 8. THE ENGINEER/ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OR THE SAFETY OF THE JOB SITE. THESE RESPONSIBILITIES ARE INTENDED TO REMAIN SOLELY THOSE OF THE CONTRACTOR.
- 9. ALL MATERIAL INSTALLATIONS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- 10. THE STRUCTURAL PLANS AND DETAILS HAVE NOT BEEN INVESTIGATED FOR POTENTIAL ERECTION AND CONSTRUCTION LOADS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY INVESTIGATION OF THE STRUCTURAL FRAMING FOR ERECTION OR CONSTRUCTION LOADS.
- 11. WHEN REFERENCED IN THE PLANS AND DETAILS, THE FOLLOWING POST-INSTALLED ANCHORS SHALL BE PERMISSIBLE. CONTRACTOR SHALL SUBMIT SUBSTITUTION REQUEST FOR ANY ALTERNATE POST-INSTALLED ANCHORS.
- A. ADHESIVE/EPOXY ANCHORS 1. HILTI: HY 200, HY 150 MAX 2. POWERS: AC100+ GOLD B. EXPANSION ANCHORS
- KWIK BOLT TZ 2. POWERS: POWER-STUD+ SD2
- 12. SEE SPECIFICATIONS MANUAL FOR ADDITIONAL AND SUPPLEMENTAL INFORMATION NOT ADDRESSED WITHIN THESE OUTLINE SPECIFICATIONS.

#### **FOUNDATION:**

- 1. ASSUMED SOIL BEARING 2,000 P.S.F. CONTRACTOR SHALL EMPLOY A CERTIFIED GEOTECHNICAL CONSULTANT DURING CONSTRUCTION TO TEST AND VERIFY ASSUMED SOIL CONDITIONS AND REPORT FINDINGS TO ARCHITECT/ENGINEER.
- 2. CONTRACTOR SHALL OBTAIN A GEOTECHNICAL ENGINEER TO INSPECT SUB-GRADE AFTER EXCAVATION TO VERIFY SOIL BEARING PRESSURES. AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, REMOVE UNSATISFACTORY SOILS TO AN ELEVATION WHERE SATISFACTORY SOIL IS ENCOUNTERED. REPLACE UNSATISFACTORY SOIL W/ EITHER COMPACTED STRUCTURAL FILL OR CONCRETE SLURRY.
- 3. PLACE FOUNDATION CONCRETE ON CLEAN FIRM BEARING SOILS MATERIAL.
- 4. WALL FOOTINGS ARE CENTERED ON WALLS (U.N.O.) COLUMN FOOTINGS ARE CENTERED ON
- 5. MINIMUM DEPTH TO ALL EXTERIOR FOOTINGS SHALL BE 4'-0" BELOW GRADE.

THE #200 SIEVE.

REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL.

- 6. INSTALL 2" THICK RIGID INSULATION VERTICALLY AT ALL EXTERIOR FOUNDATION LOCATIONS. USE EXTRUDED POLYSTYRENE INSULATION WITH R=10. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF INSULATION.
- 7. CONTRACTOR TO CONSULT WITH LOCAL AUTHORITIES PRIOR TO EXCAVATION TO LOCATE UNDERGROUND GAS, SEWER, WATER, AND ELECTRICAL OBSTACLES.
- 8. STRUCTURAL FILL LOCATION: ALL BACKFILL WITHIN 5'-0" OF THE BUILDING LINES, BELOW STRUCTURAL FOUNDATIONS, AND BEHIND RETAINING WALLS WITHIN A WEDGE EXTENDING UPWARDS 45 DEGREES FROM THE BACK FACE OF RETAINING
  - PREDOMINANTLY WELL GRADED GRANULAR MATERIAL. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, PROVIDE MATERIAL WITH 100% PASSING THE 3" SIEVE, 70-100% PASSING THE #4 SIEVE AND LESS THAN 15% PASSING
  - COMPACTION: UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, COMPACT TO 95% MODIFIED PROCTOR (ASTM: D1557) PLACED IN LIFTS NOT TO EXCEED 8".
- 9. IN AREAS OF COMPACTED FILL WITHIN THE BUILDING LINES, BACKFILLING AGAINST BOTH SIDES OF WALLS SHALL BE DONE AT THE SAME RATE TO PREVENT STRESS AND OVERTURNING OF FOUNDATION WALLS.
- 10. ALL EARTHWORK WITH ON-SITE MATERIALS SHOULD BE PERFORMED WHEN TEMPERATURES ARE ABOVE FREEZING. FROZEN SOIL SHOULD NOT BE USED BENEATH STRUCTURES. ALL FOUNDATION EXCAVATION MUST BE INSULATED AGAINST FREEZING UNTIL CONSTRUCTION OF FOUNDATION IS COMPLETE.
- 11. SOILS THAT BECOME RUTTED OR DISTURBED BY CONSTRUCTION VEHICLES WILL BE UNSUITABLE FOR SUPPORTING FOUNDATION AND CONCRETE SLABS. THE SOILS SHALL BE
- 12. NO SOIL DISTURBANCES, HOLES, OR TRENCHES ARE PERMITTED BELOW FOOTINGS, WITHIN A WEDGE EXTENDING DOWNWARDS 45 DEGREES FROM THE BOTTOM EDGE OF THE FOOTING. FOOTINGS SHALL BE STEPPED DOWN AS REQUIRED TO AVOID SUCH DISTURBANCES.

### **SLAB ON GRADE**

- 1. CONTRACTOR SHALL OBTAIN A GEOTECHNICAL ENGINEER TO INSPECT SLAB SUB-GRADE AFTER EXCAVATION TO VERIFY EXISTING SOIL CONDITIONS. AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, REMOVE UNSATISFACTORY SOILS TO AN ELEVATION WHERE SATISFACTORY SOIL IS ENCOUNTERED. REPLACE UNSATISFACTORY SOIL W/ COMPACTED
- 2. PROVIDE 8" MINIMUM OF SLAB BASE MATERIAL BELOW ALL CAST-IN-PLACE CONCRETE ON
- 3. SLAB BASE MATERIAL LOCATION: BELOW SLAB ON GRADE.

THE #200 SIEVE.

- GRANULAR FILL. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER, PROVIDE MATERIAL SUCH AS MANUFACTURED SAND OR 3/4" CRUSHED LIMESTONE BASE COURSE WITH 100% PASSING THE 1" SIEVE, 40-100% PASSING THE #4 SIEVE, 15-30% PASSING THE #40 SIEVE, AND LESS THAN 10% PASSING
- COMPACTION: UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED BY THE PROJECT GEOTECHNICAL ENGINEER. COMPACT TO 95% MODIFIED PROCTOR (ASTM: D1557) PLACED IN LIFTS NOT TO EXCEED 8".
- 4. PROVIDE 10 MIL. THICK CLEAR POLYETHYLENE FILM VAPOR BARRIER BELOW ALL CAST-IN-PLACE CONCRETE ON GRADE INSIDE BUILDING. SEE ARCHITECTURAL PLANS FOR APPLICABLE LOCATIONS, WHERE FINISHED FLOORS OCCUR.
- 5. PROVIDE CONSTRUCTION JOINTS (C.J.) AND SAWCUT JOINTS (S.J.) AS NECESSARY TO ADEQUATELY CONTROL SHRINKAGE CRACKING. SAWED JOINTS IN SLAB SHALL BE MADE WITHIN 18 HOURS OF FINAL SLAB FINISHING, OR EARLIER IF CONCRETE STRENGTH PERMITS.
- 6. SLAB JOINTS SHALL GENERALLY BE LOCATED AT COLUMN CENTERLINES, WHEN POSSIBLE UNLESS OTHERWISE NOTED ON PLANS, THE MAXIMUM JOINT SPACING SHALL COMPLY WITH THE FOLLOWING:
- A. 4" SLAB 10'-0"o.c.
- B. 5" SLAB 12'-0"o.c. . 6" SLAB - 15'-0"o.c. D. 8" SLAB - 20'-0"o.c.
- 7. SEE PLUMBING PLANS FOR ALL PIPING LOCATIONS AND PENETRATIONS THROUGH FLOOR
- 8. SLABS SHALL BE PITCHED TO FLOW TO FLOOR DRAINS WHERE THEY OCCUR 1/8" PER FOOT
- 9. INTERIOR FLOOR SLABS SHALL BE PROTECTED FROM COLD WEATHER IN ACCORDANCE

PROVIDED CONCRETE IS PROTECTED FROM COLD WEATHER.

- 10. PROVIDE 30# FELT BOND BREAK BETWEEN CONCRETE SLAB EDGE & VERTICAL CONCRETE
- AND/OR MASONRY SURFACES AT INSIDE OF BUILDING. 11. AT A MINIMUM, PROVIDE 1/2" THICK EXPANSION JOINT MATERIAL WHERE CONCRETE SLAB ABUTS VERTICAL SURFACES AT BUILDING EXTERIOR. SEE ARCHITECTURAL PLANS FOR
- ADDITIONAL INSULATION REQUIREMENTS AT EDGE OF CONCRETE SLAB. 12. AT CONTRACTORS OPTION, CONCRETE CAN BE NON-AIR ENTRAINED FOR INTERIOR SLABS,

#### **CAST-IN-PLACE CONCRETE:**

- 1. CONCRETE AND ITS PLACEMENT SHALL BE IN ACCORDANCE WITH ACI 318, ACI 301, AND THE PROJECT SPECIFICATIONS. EXCEPT AS MODIFIED BELOW. PROTECT ALL CONCRETE IN ACCORDANCE WITH ACI STANDARDS FOR HOT & COLD WEATHER CONCRETING.
- 2. STANDARD WEIGHT CONCRETE SHALL COMPLY WITH THE FOLLOWING: A. MINIMUM COMPRESSIVE STRENGTH (AT 28 DAYS) - 4,000 PSI B. MAXIMUM WATER/CEMENT RATIO - .45 (AIR ENTRAINED)
- .52 (NON-AIR ENTRAINED) C. MAXIMUM AGGREGATE SIZE - 3/4"(TYPICAL) - 1 1/2" (FOOTINGS GREATER THAN 12" THICK)
- D. TOTAL AIR CONTENT - 6%±1 1/2% (3/4" AGGREGATE) - 5%±1 1/2% (1 1/2" AGGREGATE) E. MAX SLUMP - 3" (TYPICAL)
- 4" (FLOOR SLAB) F. REINFORCING BARS: PROVIDE DEFORMED BARS COMPLYING WITH ASTM A615 GRADE 60. G. WELDED WIRE FABRIC: ASTM A185, COLD DRAWN STEEL PLAIN.
- 3. ALL CONCRETE SHALL BE AIR ENTRAINED (U.N.O.). FOOTINGS BELOW THE FROST DEPTH LINE AND INTERIOR CONCRETE PROTECTED FROM FREEZING & ENVIRONMENTAL EFFECTS MAY
- BE NON-AIR ENTRAINED, AT CONTRACTOR'S OPTION.

H. NO ADMIXTURES WITHOUT REVIEW FROM ENGINEER. ADMIXTURES CONTAINING

4. CONCRETE COVERAGE FOR REINFORCING (U.N.O.): A. UNFORMED CONCRETE IN CONTACT WITH EARTH = 3"

A. ALL REINF. EXCEPT FOR THAT NOTED IN 4B.

CHLORIDES SHALL NOT BE USED.

- B. FORMED CONCRETE IN CONTACT WITH EARTH C. OTHER CONCRETE
- 5. LAP SPLICES SHALL BE THE FOLLOWING BAR DIAMETERS UNLESS NOTED OTHERWISE ON DRAWINGS. LOCATE SPLICES AT POINT OF MINIMUM STRESS. WELDED SPLICES ARE NOT PERMITTED

REINFORCEMENT	LAP LENGTH IN BAR DIAMETERS
#3 THROUGH #6	38
#7 THROUGH #11	48

B. HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCH OF CONCRETE IS CAST BELOW THE REINFORCEMENT (I.E. HORIZONTAL WALL REINFORCEMENT AND TOP BEAM REINFORCEMENT)

,	
REINFORCEMENT	LAP LENGTH IN BAR DIAMETERS
#3 THROUGH #6	50
#7 THROUGH #11	62

- C. WELDED WIRE FABRIC MESH SPACE +2".
- 6. COMPLY WITH ACI 301. POSITION, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT, LOCATE AND SUPPORT WITH METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS, AS REQUIRED. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE, NOT TOWARD EXPOSED CONCRETE SURFACES.
- 7. RE-ENTRANT CORNERS: AT ALL RE-ENTRANT CORNERS IN SLABS, WALLS AND TOPPING, THE CONTRACTOR SHALL INSTALL TWO (2) #3x3'-0" LONG, EACH MAT, AT 3-INCH O.C.
- 8. PROVIDE BENT CORNER BARS TO MATCH AND LAP HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF WALLS AND FOOTING.
- 9. PROVIDE DOWELS OF SAME SIZE AND SPACING AS VERTICAL WALL OR COLUMN
- REINFORCING, WITH STANDARD HOOKS, AT THE FOUNDATION (U.N.O.). 10. MAXIMUM FREE DROP OF ALL CONCRETE = 2'-0".
- 11. CONCRETE CAN ONLY BE PLACED ON A FROST-FREE SUBGRADE
- 12. MECHANICALLY VIBRATE ALL CONCRETE.
- 13. PROVIDE A 3/4"x3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE, UNLESS CONCRETE IS ADJACENT TO GRATING.
- 14. ALL CAST-IN-PLACE CONCRETE SHALL BE PROTECTED AGAINST RAPID DRYING AND MUST BE KEPT MOIST FOR A MINIMUM OF (7) DAYS FOR NOMINAL CONCRETE.
- 15. AT LEAST 24 HOURS SHALL PASS BETWEEN POURING ADJACENT CONCRETE SECTIONS
- BETWEEN CONSTRUCTION JOINTS. 16. CONSTRUCTION JOINTS SHALL BE PROVIDED AT A MAXIMUM OF 40'-0"o.c. (U.N.O.).
- 17. CONSTRUCTION JOINTS IN BEAMS, SLABS, OR JOISTS SHALL BE LOCATED BETWEEN THE QUARTER-POINT AND MID-POINT OF THE SPAN (U.N.O.).
- 18. CONCRETE FIELD TESTS FOR SLUMP, AIR CONTENT, YIELD AND STRENGTH SHALL BE CONDUCTED BY A CERTIFIED CONCRETE TECHNICIAN IN ACCORDANCE WITH ACI 301. TESTS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW.

### **CONCRETE MASONRY UNITS:**

- 1. COMPLY WITH RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA), NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA), AND ACI 530. PROTECT ALL MASONRY IN
- ACCORDANCE WITH ACI STANDARDS FOR HOT & COLD WEATHER CONSTRUCTION. 2. MASONRY SHALL COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS: A. BLOCK COMPRESSIVE STRENGTH - 3.000 PSI GROUT - 2.000 PSI MORTAR - TYPE S = 2,000 PSI ABOVE GRADE
- TYPE M = 2,000 PSI BELOW GRADE D. MORTAR E. REINFORCING BARS - ASTM A615 GRADE 60 F. ASSEMBLY COMPRESSIVE STRENGTH 2,000 PSI (f'm)

CONTROL JOINTS, HEADERS, LINTELS AND OTHER SPECIAL CONDITIONS.

- 3. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. 4. SPECIAL SHAPES: PROVIDE SPECIAL BLOCK TYPES WHERE REQUIRED FOR CORNERS,
- 5. ALL MASONRY SHALL BE LAID PLUMB, TRUE TO LINE, AND WITH LEVEL COURSES. LAY IN RUNNING BOND, OVERLAY CORNER BLOCK UNITS.
- 6. CONTRACTOR SHALL DESIGN TEMPORARY BRACING AS REQUIRED TO STABILIZE MASONRY WALLS UNTIL PERMANENT SUPPORTS ARE INSTALLED.

BETWEEN JOINTS. DO NOT LOCATE JOINTS WITHIN 1'-4" OF WINDOWS OR DOORS.

- 7. SEE PLANS FOR VERTICAL MASONRY CONTROL JOINT LOCATIONS. GUIDELINES: LOCATE FIRST JOINT 10'-0" FROM EACH CORNER AND 24'-0" MAX. SPACING ON CENTER
- 8. MAXIMUM GROUT LIFT WITHOUT CLEAN-OUTS = 4'-0". MAXIMUM GROUT LIFT WITH CLEAN-OUTS = 8'-0".
- FULL MORTAR BED JOINTS ARE REQUIRED, TYPICAL
- 10. ALL VERTICAL REINFORCING SHALL BE CONTINUOUSLY GROUTED IN CELLS.

#### CONCRETE MASONRY UNITS CONTINUED: 11. PLACE HOOKED DOWELS AT ALL VERTICAL MASONRY REINFORCING LOCATIONS INTO

- FOUNDATION SYSTEM. 12. DOOR AND WINDOW JAMBS SHALL BE SOLID GROUTED 8" MINIMUM WIDTH (U.N.O.).
- 13. BOND BEAMS AND PILASTERS SHALL HAVE REINFORCEMENT AS INDICATED ON DRAWINGS
- 14. BELOW STEEL BEAM BEARING LOCATIONS, MASONRY SHALL BE SOLID GROUTED TO A MINIMUM OF 16" DEEP BY 32" WIDE (U.N.O.).
- 15. LAP SPLICES IN MASONRY 48 BAR DIAMETERS.

AND SHALL BE SOLID GROUTED.

- 16. JOINT REINFORCEMENT NEW MASONRY WALLS TO BE REINFORCED WITH 9 GAUGE DUR-O-WAL EVERY OTHER BLOCK COURSE.
- 17. ON EXTERIOR WALLS, PROVIDE WEEP HOLES TO THE EXTERIOR ABOVE LINTELS AND AT
- BOTTOM OF WALL. 18. SEE ARCHITECTURAL PLANS FOR REQUIRED FIRE RATINGS.
- 19. SEE ELECTRICAL PLANS TO LOCATE ANY ELECTRICAL CONDUIT TO BE INSTALLED IN

#### WOOD FRAMING:

- 1. CODES AND STANDARDS: COMPLY WITH NIST PS20 AND APPROVED GRADING RULES AND INSPECTION AGENCIES.
- 2. DIMENSION LUMBER: A. GENERAL: MANUFACTURED LUMBER, S4S AND GRADESTAMPED TO COMPLY WITH NIST
- PS20. LUMBER SHALL HAVE A MOISTURE CONTENT OF S-DRY OR MC19. B. ALL LUMBER SHALL MEET OR EXCEED THE FOLLOWING DESIGN VALUES: - SPF STUD OR BETTER (U.N.O. - SEE WALL SCHEDULE) WALL STUDS & PLATES
- SPF NO. 2 OR BETTER (U.N.O.) PURLINS OR HEADERS MISC. 2x SAWN LUMBER - SPF STUD OR BETTER 2x DECKING - SPF NO. 2
- 3. SHEATHING:
- ROOF 5/8" PLYWOOD WALLS - 5/8" PLYWOOD
- 4. FASTENERS: PROVIDE AS REQUIRED BY APPLICABLE CODES. PROVIDE FASTENERS WITH HOT-DIP ZINC COATING (ASTM A153) FOR TREATED LUMBER AND WHERE WOOD IS IN GROUND CONTACT, SUBJECTED TO HIGH RELATIVE HUMIDITY, OR EXPOSED TO WEATHER.
- 5. FRAMING CONNECTORS AND SUPPORTS: PREFABRICATED, FORMED STEEL UNITS; HOT-DIP GALVANIZED FINISH UNLESS OTHERWISE INDICATED; TYPE AND SIZE REQUIRED; APPROVED BY APPLICABLE CODES.
- 6. USE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY.
- 7. COMPLY WITH SIZES, SPACING, AND CONFIGURATIONS INDICATED, WHERE NOT SPECIFICALLY INDICATED, COMPLY WITH APPLICABLE CODES AND NFPA "MANUAL FOR WOOD FRAME CONSTRUCTION." SPLICE MEMBERS ONLY WHERE SPECIFICALLY INDICATED OR APPROVED.
- 8. SPACE FASTENERS AS INDICATED. WHERE NOT SPECIFICALLY INDICATED, COMPLY WITH APPLICABLE CODES AND THE "RECOMMENDED NAILING SCHEDULE" OF NFPA "MANUAL FOR WOOD FRAME CONSTRUCTION" AND "NATIONAL DESIGN SPECIFICATION FOR WOOD
- 9. FIELD DRILL BOLT HOLES FOR PROPER ALIGNMENT.
- 10. PROVIDE CUT WASHERS AT BOLTS IN WOOD.
- 11. ALL WOOD FASTENERS OR ANCHORS SHALL BE FASTENED WITH THE MAXIMUM AMOUNT OF NAILS OR BOLTS AS SPECIFIED BY THE FASTENER MANUFACTURER.
- 12. PROVIDE MISCELLANEOUS BLOCKING, NAILERS, GROUNDS, AND FRAMING AS SHOWN AND AS REQUIRED FOR SUPPORT OF FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, AND TRIM. CUT AND SHAPE TO THE REQUIRED SIZE. PROVIDE IN LOCATIONS REQUIRED BY OTHER

#### **WOOD TRUSSES:**

- 1. CODES AND STANDARDS: PROVIDE TRUSSES AS SPECIFIED HEREIN AND COMPLYING WITH THE FOLLOWING: TPI-85, "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES";
  - TPI-80, "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED PARALLEL CHORD WOOD TRUSSES"; TPI-89, "QUALITY STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES";
- 2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED FOR THE SUPERIMPOSED LOADS SHOWN UNDER DESIGN LOADS (TRUSS WEIGHT IS NOT INCLUDED).
- MAX DEFLECTION ROOF: TL L/240 LL L/360
- 3. TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, DETAILING AND FABRICATION OF ALL TRUSSES (INCLUDING THEIR CONNECTIONS AND BRACING) IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTION WOOD TRUSSES-LATEST EDITION.
- 4. TRUSS SHOP DRAWINGS, INCLUDING CALCULATIONS AND TRUSS LAYOUT DIAGRAM, SHALL BE STAMPED BY A LICENSED ENGINEER IN THE STATE OF THIS PROJECT.
- 5. INSPECT TRUSSES FOR DAMAGE AND LOOSENING OF CONNECTOR PLATES BEFORE INSTALLATION. REPLACE DAMAGED TRUSSES, AND TRUSSES WITH LOOSE PLATES, WITH NEW UNITS. DO NOT ATTEMPT TO REINSTALL LOOSENED PLATES OR TO REPLACE DAMAGED
- MEMBERS AT THE PROJECT SITE. 6. ALL TRUSSES SHALL BE INSTALLED, BRACED, AND ANCHORED PER MANUFACTURER'S
- 7. ALL ROOF TRUSSES SHALL BE DESIGNED FOR UPLIFT AS APPLICABLE & ANCHORED W/(1) SIMPSON H2.5A (U.N.O.). CONTRACTOR TO REVIEW TRUSS CALCULATIONS AND PROVIDE ADDITIONAL H2.5A HOLD DOWNS IF REQ'D.
- 8. INSTALL PERMANENT BRIDGING, BRACING, AND ANCHORS TO MAINTAIN TRUSSES STRAIGHT AND IN CORRECT POSITION BEFORE INSTALLING SUPPORTED CONSTRUCTION OR SUPERIMPOSING LOADS.
- 9. FIELD CUTTING OF TRUSS MEMBERS NOT ALLOWED.

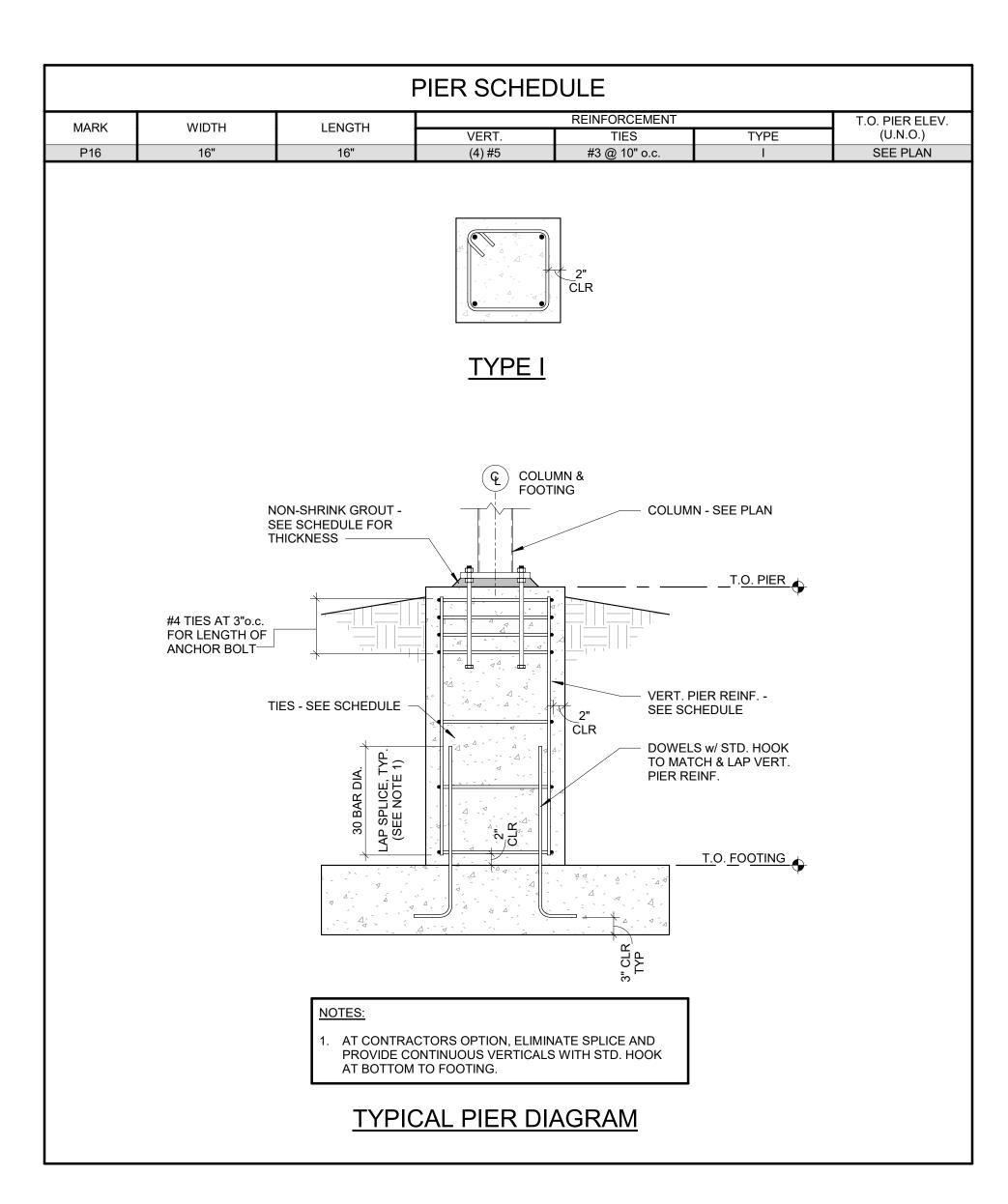
INTO THE DESIGN OF THE TRUSSES.

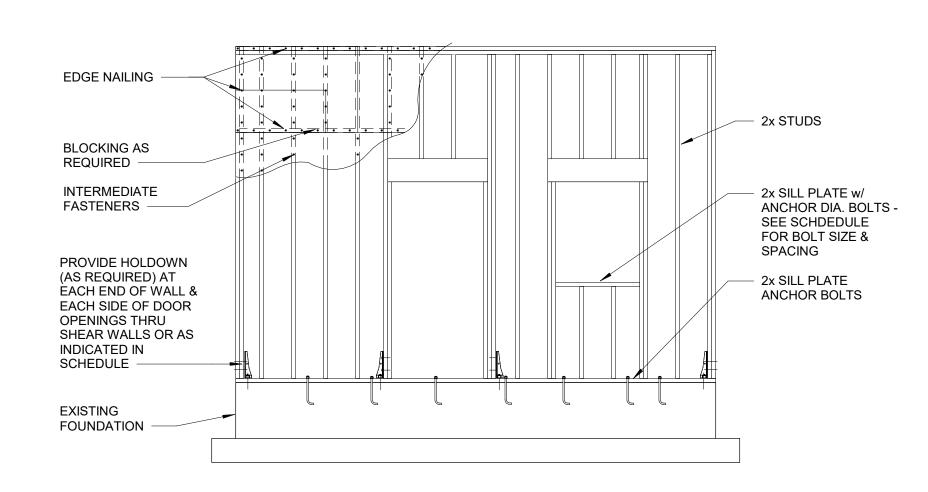
SPECIFICATIONS.

10. COORDINATE INSTALLATION OF FRAMING TO BE ATTACHED TO OR SUPPORTED BY TRUSSES. VERIFY THAT CONCENTRATED LOADS WILL OCCUR ONLY AT LOCATIONS INCORPORATED

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ONE STORY WALL CONSTRUCTION

	WOOD P	OST SCHEDULE	
MARK	POST SIZE	WOOD GRADE	COMMENTS
WP-1	8x8	DFL NO. 1 (TREATED)	

WOOD BEAM SCHEDULE								
MARK	MAXIMUM SPAN	MEMBER SIZE	WOOD GRADE	BEARING	COMMENTS			
WB-1	15'-0"	8" x 18"	DFL NO. 1	WP-1	-			

WOOD HEADER SCHEDULE								
MARK	MAXIMUM OPENING	MEMBER SIZE	WOOD GRADE	BEARING STUDS	SHOULDER STUDS			
H-1	8'-0"	(2) 1 3/4x9 1/2	LVL	(1) 2x6	(2) 2x6			
H-2	4'-0"	(2) 2x10	SPF NO. 2	(1) 2x6	(1) 2x6			
H-3	4'-0"	(2) 2x10	SPF NO. 2	(2) 2x6	(1) 2x6			
H-4	8'-0"	(3) 1 3/4x9 1/2	LVL	(2) 2x6	(2) 2x6			
H-5	8'-0"	(2) 2x10	SPF NO. 2	(1) 2x6	(2) 2x6			

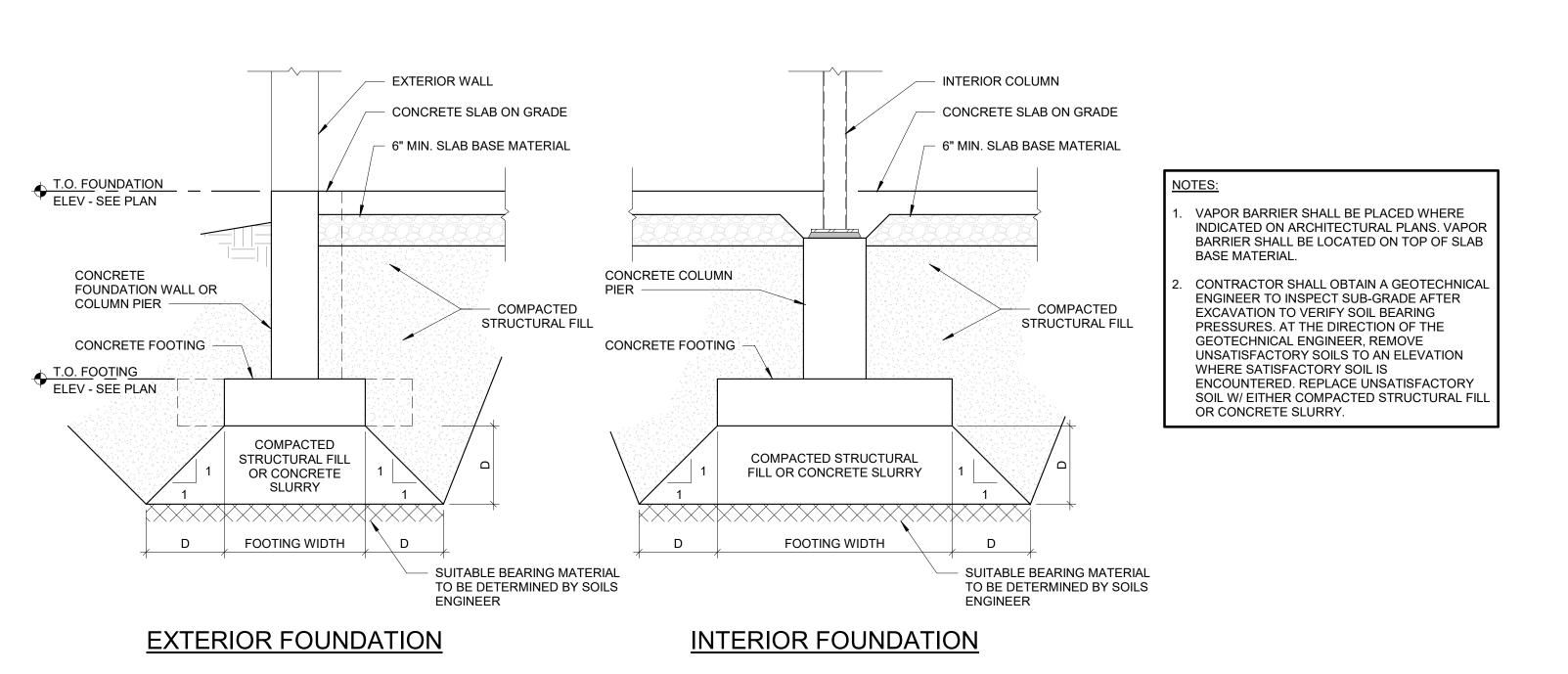
	STRUCTURA	L ABBREVI	ATIONS
ALT ARCH BRG BOT CJ CONI CONI CONI DBE DBL DET DIA ELEV EOS EX FND FT GALV HORI IMP JBE	BEARING BOTTOM CONTROL JOINT CLEAR CONCRETE MASONRY UNIT CONCRETE CONNECTION CONTINUOUS DECK BEARING ELEVATION DOUBLE DETAIL DIAMETER EACH ELEVATION EDGE OF STRUCTURE EXISTING EXPANSION FOUNDATION FEET FOOTING GAGE GALVANIZED	LBS LLH LLV MANUF MAX MIN PBE REINF REQD SCH SF SFR SJ STDUC TBE TCE TFE TLE TPE TSE TYP UNO VERT WP WWF	POUNDS LONG LEG HORIZONTAL LONG LEG VERTICAL MANUFACTURER MAXIMUM MINIMUM PRECAST BEARING ELEVATION REINFORCEMENT REQUIRED SCHEDULE STEP FOOTING SYNTHETIC FIBER REINF SAWCUT JOINT STANDARD STRUCTURAL TOP OF BEAM ELEVATION TOP OF CONCRETE ELEVATION TOP OF FOOTING ELEVATION TOP OF LEDGE ELEVATION TOP OF PIER ELEVATION TOP OF STEEL ELEVATION TOP OF WALL ELEVATION TOP OF WALL ELEVATION TYPICAL UNLESS NOTED OTHERWISE VERTICAL WORKING POINT WELDED WIRE FABRIC

NAILING SCHE	DULE							
(SEE ALSO IBC TABLE 2304.9.1)								
CONNECTION	NAILING (COMMON NAILS - UNLESS OTHER CONNECTION IS REQUIRED)							
TRUSS TO TOP PLATE	SEE ROOF FRAMING PLAN							
BRIDGING TO TRUSSES, FACE NAIL EACH END	2-8d							
TOP PLATE TO STUD, END NAIL	2-16d							
STUD TO SOLES PLATE	4-8d TOENAIL OR 2-16d, END NAIL							
DOUBLE STUDS, FACE NAIL	16d @ 24"o.c.							
DOUBLE TOP PLATES, FACE NAIL	16d @ 16"o.c.							
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-18d							
CONTINUOUS HEADER, TWO PIECES	16d @ 16"o.c. ALONG EACH EDGE							
CONTINUOUS HEADER TO STUD, TOENAIL	4-8d							
BUILT-UP CORNER STUDS	16d @ 24"o.c.							
ROOF SHEATHING	SEE DETAIL 1/S401							
WALL SHEATHING	SEE WALL SCHEDULE							

WOOD WALL SCHEDULE													
MARK	STRUCTURAL SHEATHING		EDGE SCREW OR NAIL	WALL BLOCKING	STUD SIZE	STUD SDACING	NG WOOD GRADE	HOLDDOWN			CILL DOLTING (F. C. 7. 9)	END POST (9)	
IVIARK	SIDE 1	SIDE 2	SPACING (2, 3, 4)	WALL BLOCKING	STUD SIZE	STUD SPACING	WOOD GRADE	TYPE	STUD SCREW & NUMB.	ANCHOR BOLT	EMBEDMENT	SILL BOLTING (5, 6, 7, 8)	
W-1	5/8" PLY	-	6" o.c.	-	2x6	16"o.c.	SPF NO. 2	-	-	-	-	5/8" DIA. @ 48"o.c.	(2) 2x6
W <b>-</b> 2	5/8" PLY	-	4" o.c.	BLOCKED	2x6	16"o.c.	SPF NO. 2	HDU4	(10) 1/4 x 2 1/2 SDS	5/8"	8"	5/8" DIA. @ 48"o.c.	(2) 2x6
W-3	5/8" PLY	-	4" o.c.	BLOCKED	2x6	16"o.c.	SPF NO. 2	HDU11	(30) 1/4 x 2 1/2 SDS	1"	10"	5/8" DIA. @ 24"o.c.	(4) 2x6
			<u>'</u>									<u> </u>	

NOTES

- INDICATES OSB SHEATHING. ON EXTERIOR WALLS, LOCATE ON OUTSIDE FACE OF STUD. ON INTERIOR WALLS, LOCATE ON EITHER FACE AND COVER w/ 5/8" GYPSUM SHEATHING.
- GYP INDICATES GYPSUM SHEATHING ON EXTERIOR WALLS, LOCATE ON INSIDE FACE OF STUD. ON INTERIOR WALLS, LOCATE ON BOTH FACES OF STUD.
- 2. BLOCKED INDICATES GYPSUM OR O.S.B. NON-STUD PANEL EDGE SHALL HAVE BLOCKING BETWEEN THE STUDS BEHIND THE EDGE.
- 3. FASTENER TYPE: OSB - 10d NAILS
- GYP 6d WALL BOND NAILER OR ALTERNATIVE DRYWALL
- INTERMEDIATE STUDS. FOR GYPSUM SHEAR WALLS USE EDGE SPACING FOR INTERMEDIATE STUDS. 5. PROVIDE MINIMUM OF (2) ANCHOR BOLTS PER WALL.
- 6. ALL SILL ANCHOR BOLTS SHALL HAVE SIMPSON BP 5/8-2 WASHER BELOW NUT.
- 7. ALL ANCHOR BOLTS SHALL BE GALVANIZED
- 8. SILL ANCHOR BOLT SIZE: 5/8" DIA EMBEDMENT: 8" HOOK LENGTH: 3"
- 4. ALL OSB SHEARWALLS SHALL HAVE FASTENERS @ 12"o.c. FOR 9. PROVIDE BUILT-UP POST AT EACH END OF WALL & AT EACH HOLDDOWN LOCATION. POST GRADE SHALL MATCH WALL STUD GRADE AT EACH LEVEL.
  - 10. ALL WOOD ELEMENTS (STUDS, TOP PLATE, SILL PLATE, ETC.) SHALL CONSIST OF WOOD GRADE LISTED IN WALL SCHEDULE

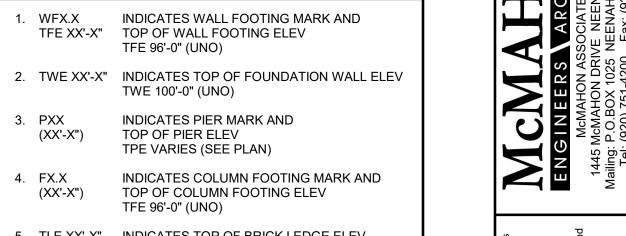


SUBGRADE PREP

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FOR:

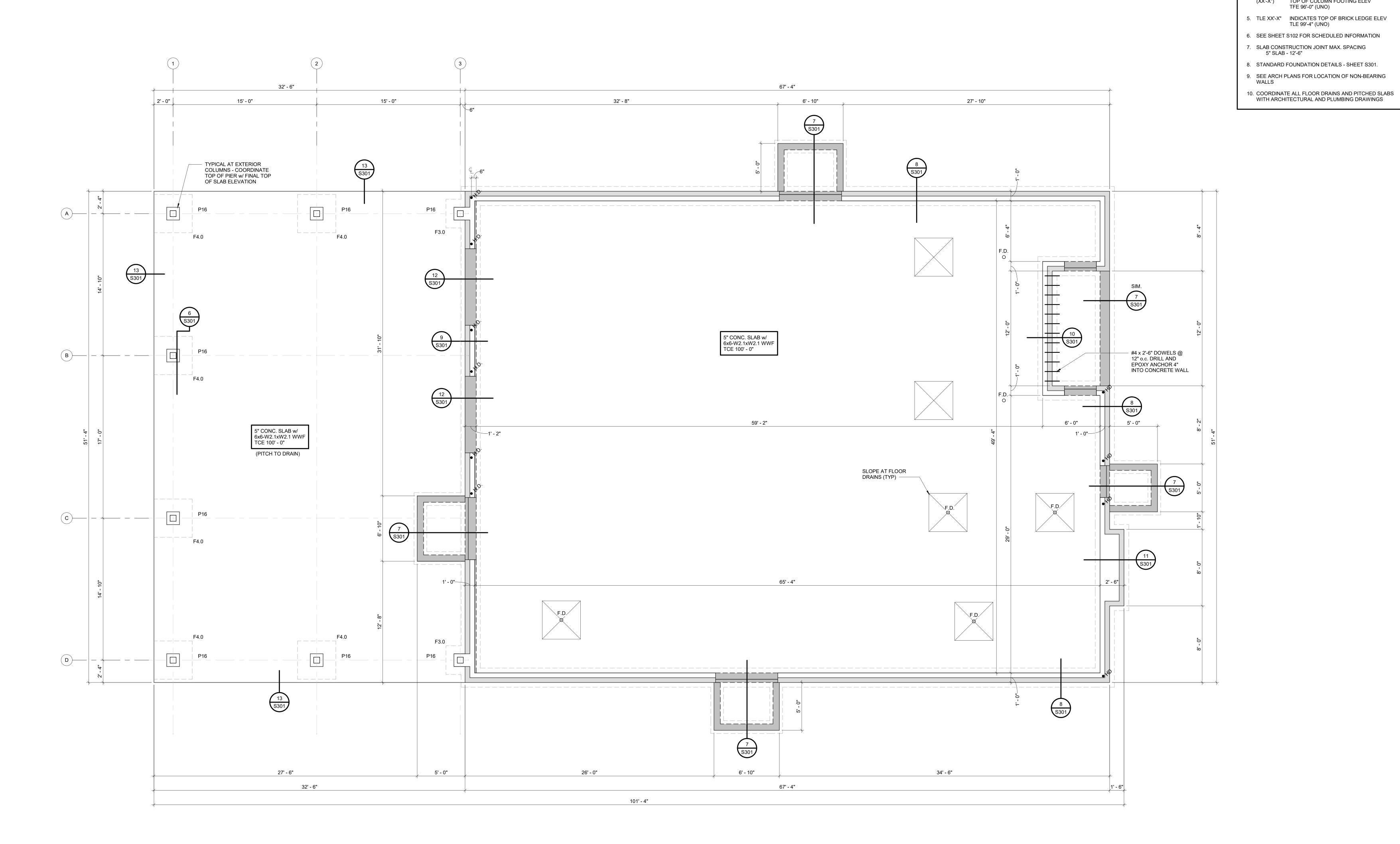
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S201



FOUNDATION PLAN

1/4" = 1'-0"

**ELEVATIONS** 

3. STANDARD CONNECTION DETAILS - SHEET S401.

4. STANDARD FRAMING DETAILS - SHEET S401.

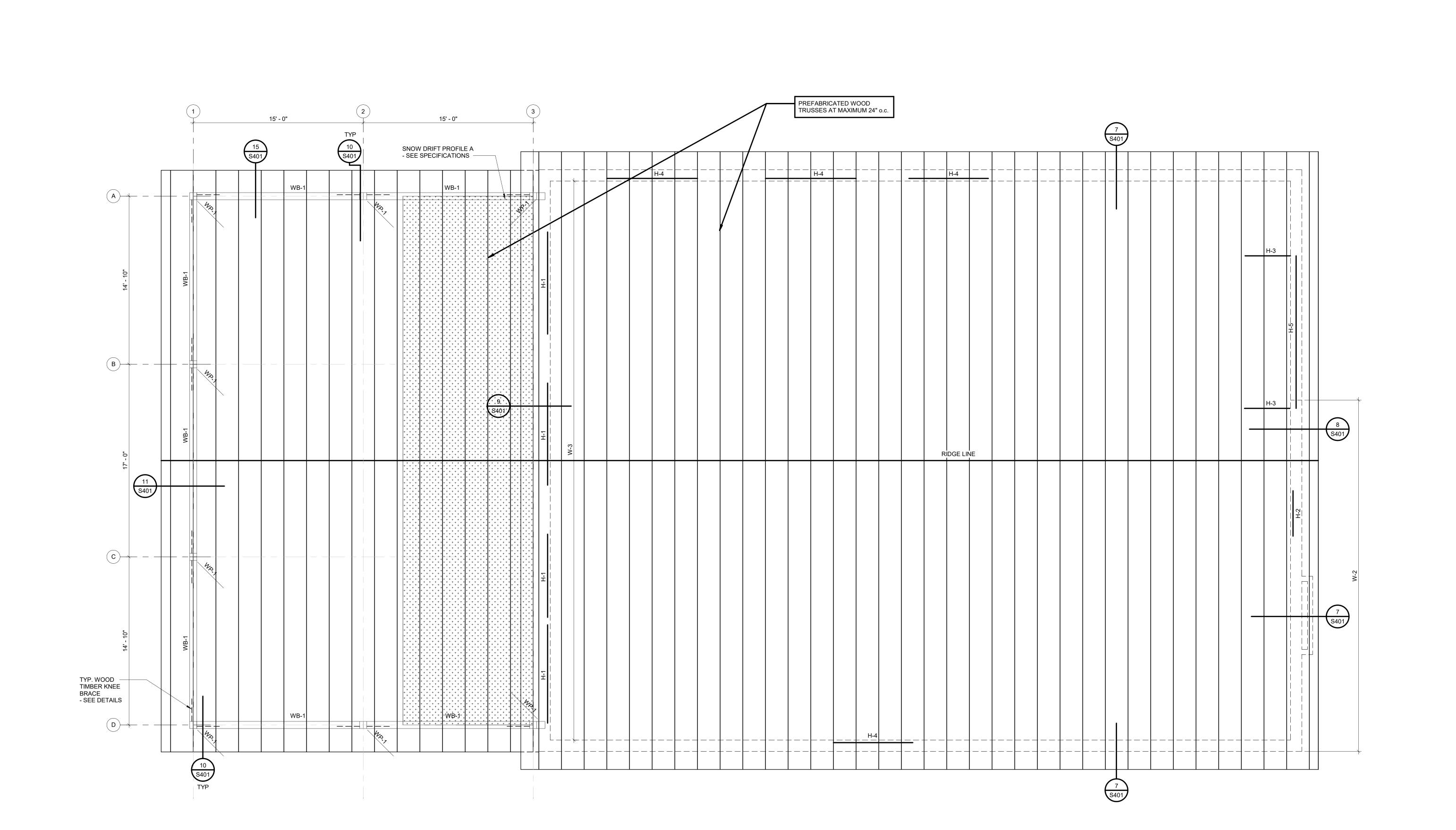
5. STANDARD MASONRY DETAILS - SHEET S401.

7. TYPICAL WOOD WALL TYPE = W-1 (U.N.O.)

6. SEE SHEET S102 FOR SCHEDULED INFORMATION

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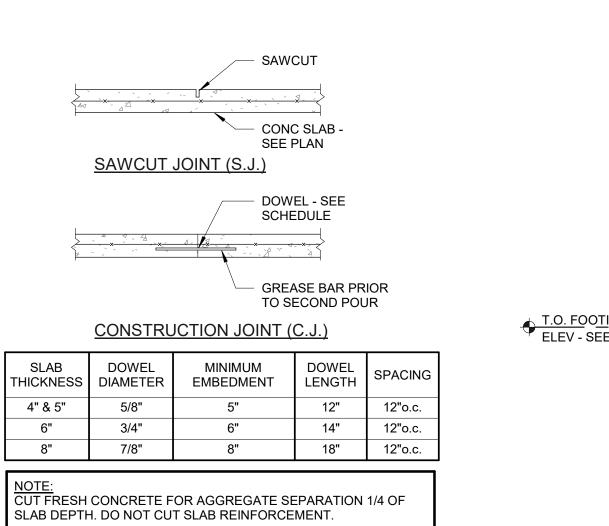
S202

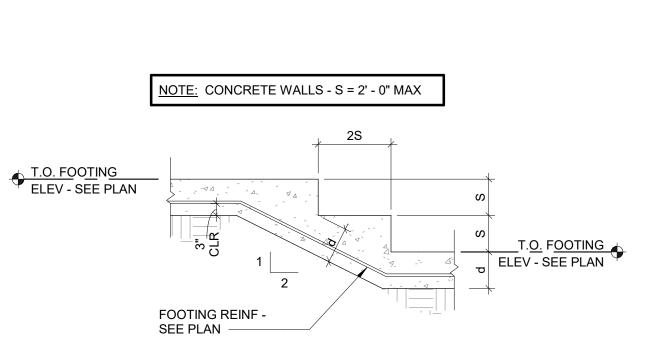


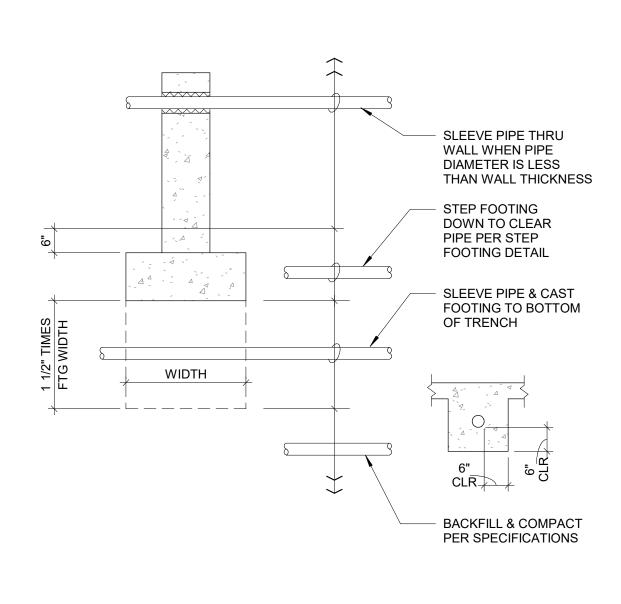
**ROOF FRAMING PLAN** 

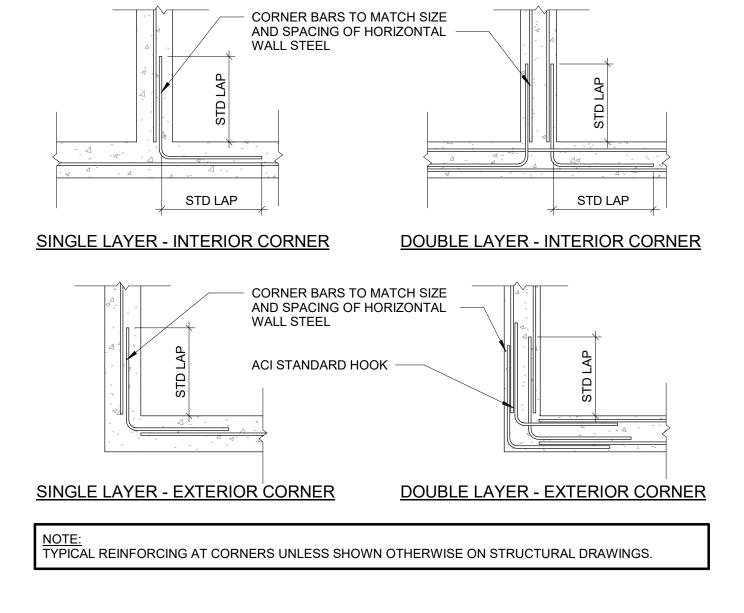
1/4" = 1'-0"

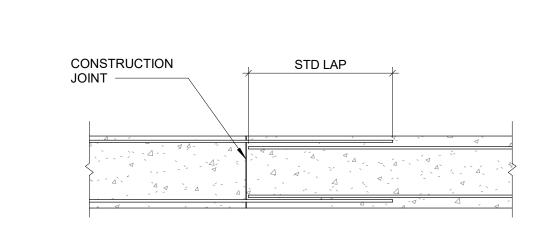
DESIGNED STK PROJECT NO. H0006 06-25-00121 JUNE 16, 2025 SHEET NO. S301











TYP. JOINTS IN SLAB ON GRADE

| S301 | 1/2" = 1'-0"

TYP. STEP FOOTING

| S301 | 1/2" = 1'-0"

TYP. PIPE AT FOOTING

| S301 | 1/2" = 1'-0"

TYP. CONCRETE CORNER DETAILS

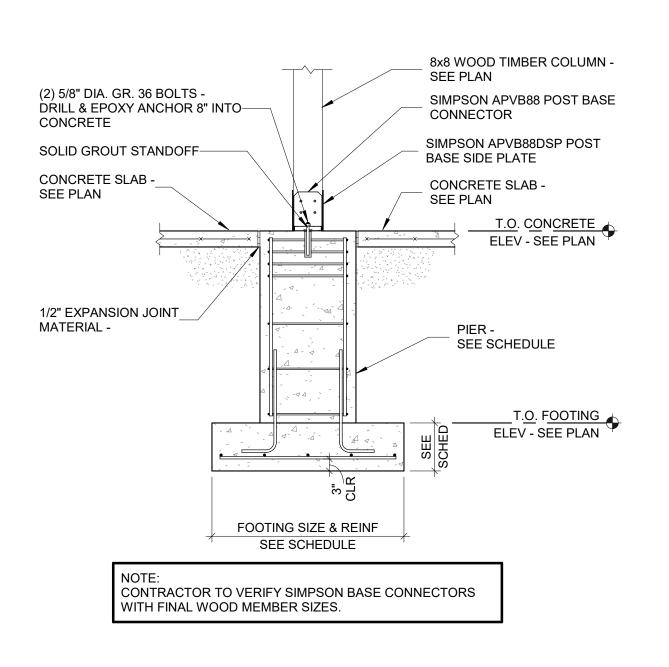
| 1/2" = 1'-0"

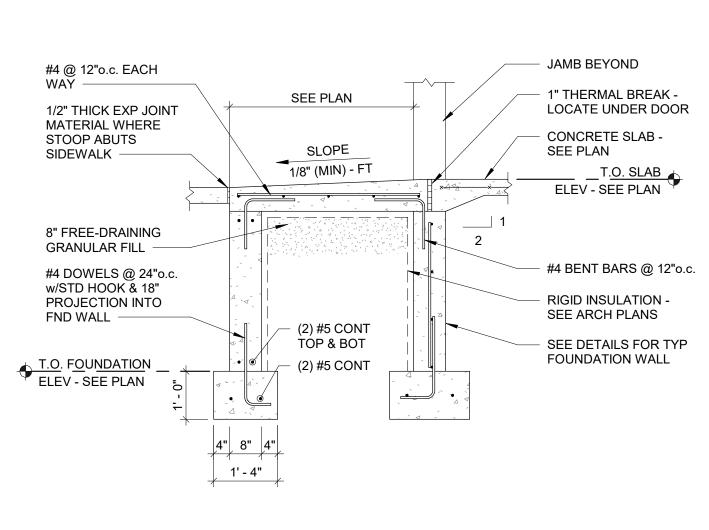
TYP. WALL OR FOOTING CONSTRUCTION JOINT

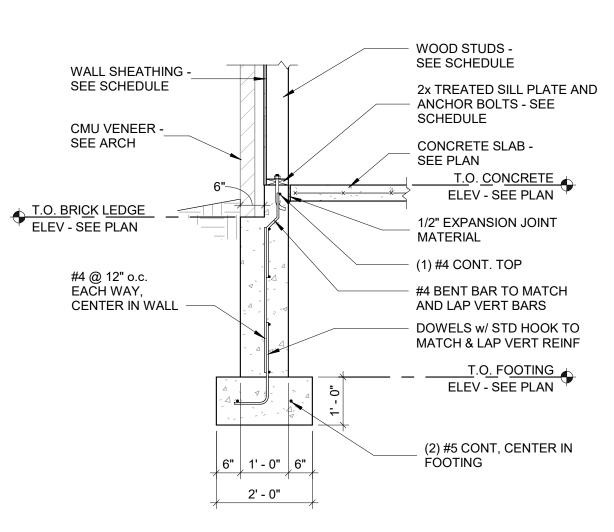
| S301 | 1/2" = 1'-0"

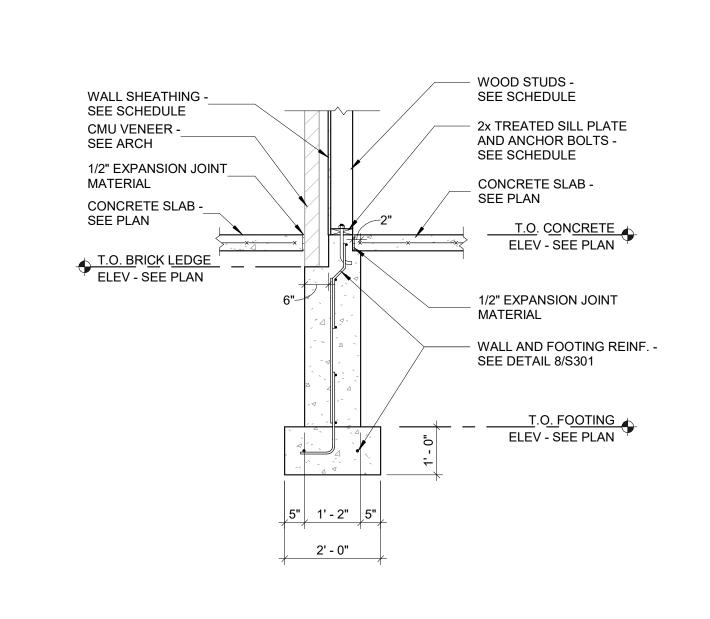
FOUNDATION WALL

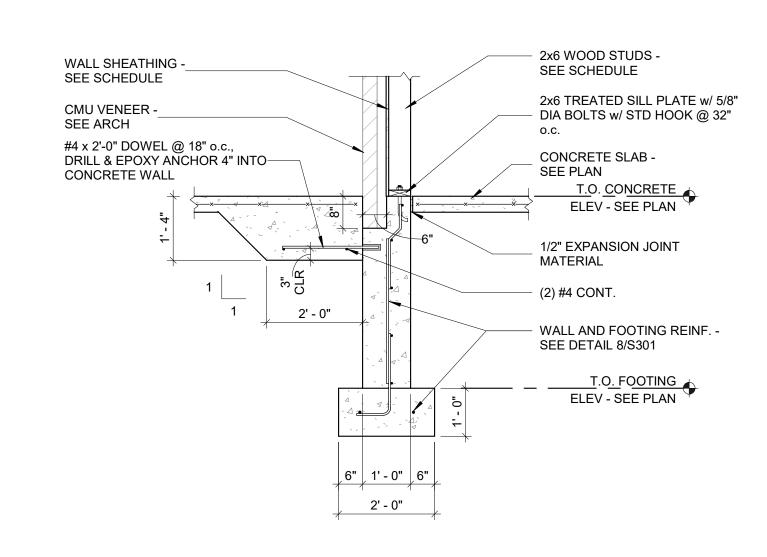
S301 1/2" = 1'-0"











EXTERIOR PIER & FOOTING

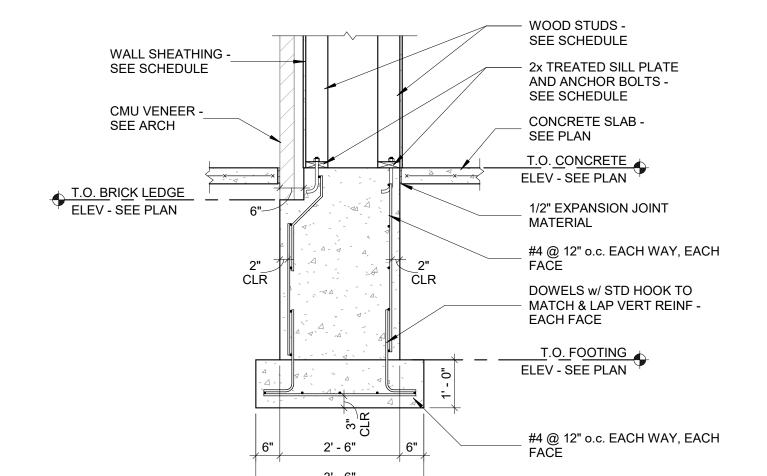
| S301 | 1/2" = 1'-0"

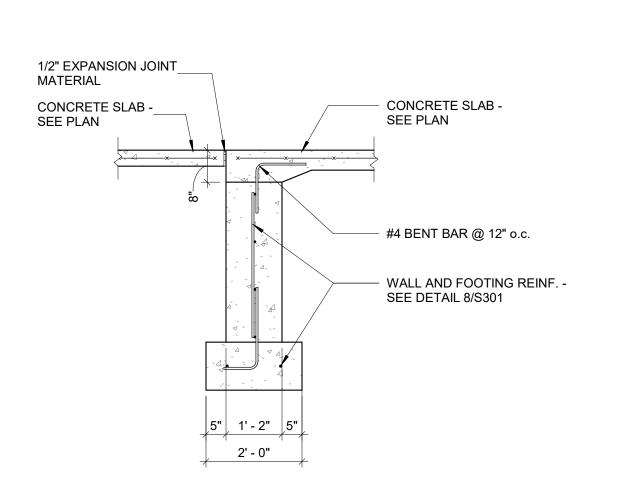
7 TYPICAL STOOP DETAIL
S301 1/2" = 1'-0"

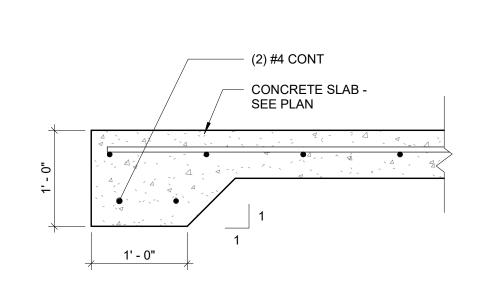
8 FOUNDATION WALL
S301 1/2" = 1'-0"

- 9 FOUNDATION WALL

1/2" = 1'-0"







FOUNDATION WALL

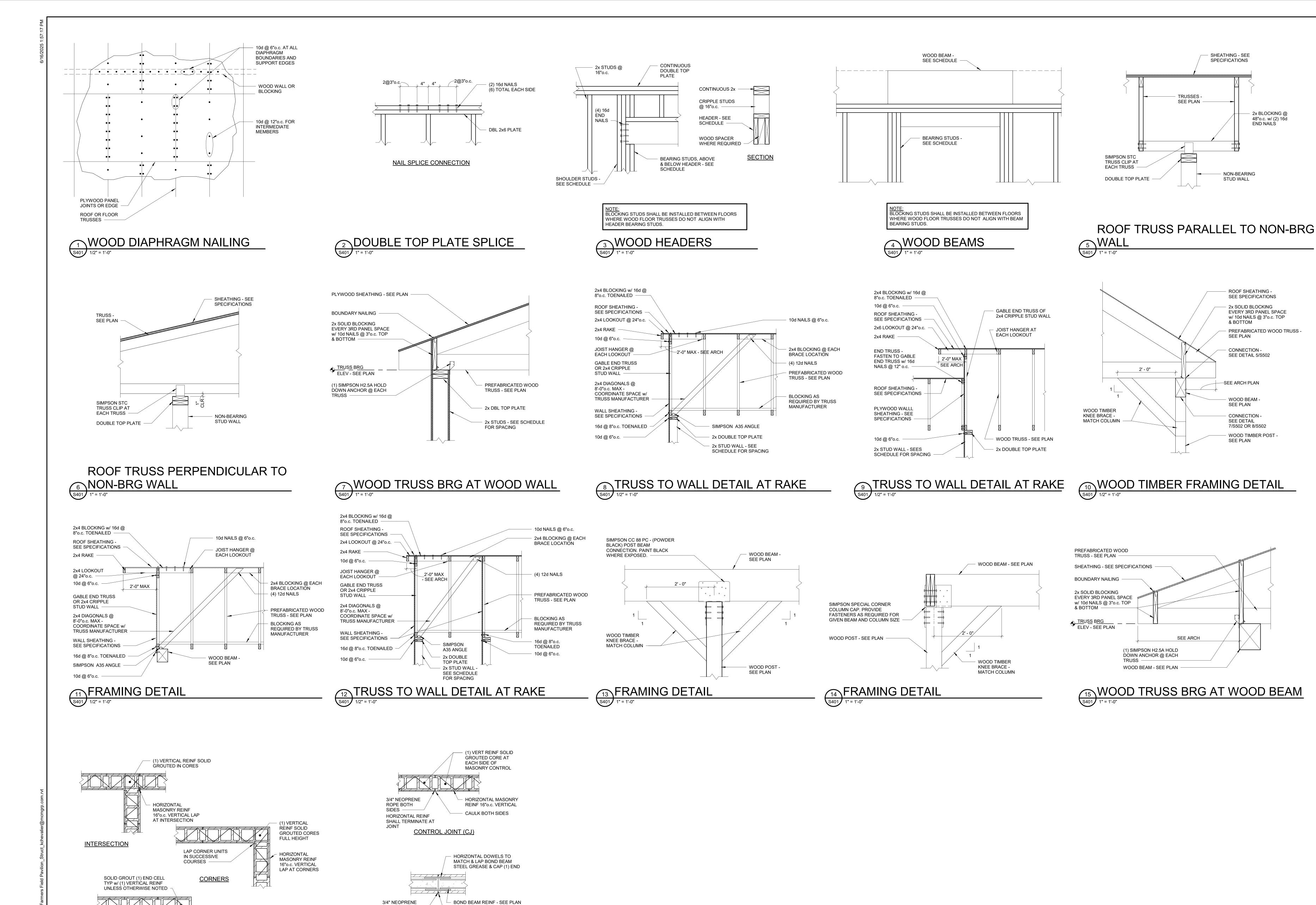
| S301 | 1/2" = 1'-0"

FOUNDATION WALL

| S301 | 1/2" = 1'-0"

THICKENED EDGE DETAIL

| S301 | 1" = 1'-0"



ROPE BOTH SIDES -

JAMB & WALL ENDS

TYPICAL MASONRY DETAILS

- CAULK BOTH SIDES

**BOND BEAM CONTROL JOINT** 

TYPICAL MASONRY DETAILS

DESIGNED DRAWN
STK DJR

PROJECT NO.
H0006 06-25-00121

DATE
JUNE 16, 2025

SHEET NO.

\$401

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