

City of Dearborn

**INVITATION TO BID (ITB) FOR
POOL CONSTRUCTION AT THE FORD
WOODS PARK**

**CONTROL No. 122972
ADDENDUM No. 1**

ISSUE DATE: 11/09/17

DUE DATE: 12/06/17 AT 3:00 p.m. Local Time

This addendum is being issued to modify some sections of the ITB, as well as to distribute additional plans and specifications.

Refer to the attached sections and drawings:

- Addendum 1 document provided by TMP Architecture – 2 pages
- Section 082250 – FRP Doors and aluminum frames for FRP doors – 7 pages
- Drawings – S1.0, S1.1, S3.0, LS.1

Reminders:

Pre-bid meeting - November 13, 2017 at 10:00 a.m. local time at the Ford Community and Performing Arts Center.

Pre-bid question deadline – November 29, 2017 at 12:00 p.m. local time. All questions are to be submitted in writing to the Buyer listed on the cover page of the solicitation.

All other terms and conditions remain unchanged.

Carrie Darkowski
Buyer
cdarkowski@ci.dearborn.mi.us

THIS ADDENDUM MUST BE ACKNOWLEDGED ON THE RESPONSE FORM IN THE ITB



ADDENDUM

DATE: November 9, 2017

PROJECT: City of Dearborn - Ford Woods Park Pool

TMP PROJECT NO.: 17071

ADDENDUM NO.: One

The Bidding Documents are modified, supplemented or augmented as follows and this Addendum is hereby made a part of the proposed Contract Documents.

The following Drawings and attachments are issued with this Addendum.

Drawing No.: S1.0, S1.1, S3.0, and LS.1

Attachments: Specification Section 082250

ITEM NO. SPECIFICATION CHANGES

- SC-1 Refer to Section 082250 – FRP DOORS AND ALUMINUM FRAMES FOR FRP DOORS (reissued):
- A. Modified paragraph 2.1.A as indicated.

ITEM NO. STRUCTURAL DRAWING CHANGES

- SD-1 Refer to all Structural Drawings issued for BID (not reissued):
- A. Added Project No. "17071" to all Structural Drawings.
- SD-2 Refer to Drawing No. S1.0 (reissued):
- A. Revised footings at west wall of "Office" 119, west wall of "Vending" 100, east wall of "Toilet" 104, and east wall of "Changing Room" 113 to be 28" wide x 40" deep with 3-#5 top and bottom.
 - B. Added note "A" on drawing, and on plan.
 - C. Added F3 footings.
 - D. Added 3/S2.2 SIM. Detail cuts.
- SD-3 Refer to Drawing No. S1.1 (reissued):
- A. Added details 1, 2, & 3 and indicated them on the roof framing plan.
 - B. Added notes at "Break Room/First Aid" 112.
 - C. Added shear wall sw-1 locations.
 - D. Added T1* locations and note.
 - E. Added horizontal and diagonal wall bracing.
 - F. Added glulam bridging at truss bottom chord.

o:\2017\17071\specs\addenda\addendum 1\17071 add01.docx

- SD-4 Refer to Drawing No. S3.0 (reissued):
 - A. Revised details 4 and 8 as indicated.

ITEM NO. ARCHITECTURAL DRAWING CHANGES

- AD-1 Refer to Drawing No. LS.1 (new):
 - A. Added new drawing (inadvertently left out of bid set).

****END OF ADDENDUM NO. 1****

FRP DOORS AND ALUMINUM FRAMES FOR FRP DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS/DESCRIPTION

- A. Drawings and General provision of Contract, including General and Supplementary Conditions and Division 01 Specification sections, are a part of this Section for the Base Bid and applicable alternates.
- B. This Section includes:
 - 1. FRP doors - provide FRP doors as specified, shown or scheduled, with components and accessories for a complete and proper installation.
 - 2. Factory glazing of FRP door lites.
 - 3. Factory installation of finish hardware.
 - 4. Aluminum frames for FRP doors.
- C. The following sections contain requirements that relate to this Section:
 - 1. Division 7 Section "Joint Sealants" for sealants and gaskets.
 - 2. Division 8 Section "Glazing" for glass and glazing.
 - 3. Division 8 Section "Door Hardware" for door hardware.
- D. System Performance:
 - 1. Provide exterior and interior doors assemblies that have been designed and fabricated to comply with requirements for system performance characteristics listed below as demonstrated by testing manufacturer's corresponding stock systems according to test methods designated.
 - a. Thermal Transmittance (exterior doors): U-value of not more than 0.09 Btu/ (hr x sf x Degrees F.) per AAMA 1503.1.

1.2 QUALITY ASSURANCE

- A. Comply with fire-resistance, flammability, regulations as interpreted by governing authorities and as follows:
 - 1. Face Sheets tested in accordance with ASTM E84-79A shall have the following ratings; Standard Face sheets:
 - a. Smoke Developed: not greater than 345.
 - b. Flame Spread: not greater than 145.
 - 2. Class A Face Sheets (Required on interior face of all exterior doors):

- a. Smoke Developed not greater than 340.
 - b. Flame Spread: not greater than 15.
- B. Manufacturer Qualifications: Shall have produced fiberglass reinforced doors for at least five years.
- C. Field Measurement:
- 1. Take field measurements prior to fabrication of doors and frames to insure proper fitting of assemblies. Successful bidders are expected to field verify all dimensions, sizes, quantities and the material required to complete this project. Failure to do so will not relieve the successful contractor from the necessity of furnishing any and all materials that may be required, without any additional cost to the Owner.

1.3 COORDINATION

- A. Door manufacturer shall be responsible for coordinating all necessary information from hardware supplier in order that doors shall be properly prepared to receive hardware and fit frames properly. Contractor shall provide manufacturer with copies of approved schedules necessary to complete manufacturing of doors. This information shall be in the possession of the door manufacturer 60 days prior to desired delivery date of doors.

1.4 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- 1. Substitutions for products as specified MUST be submitted in accordance with Division 1. Substitute products not submitted in accordance with Division 1 Section "Product Requirements" will NOT be considered.
- B. Product Data: Submit manufacturer's specifications, standard details, and installation recommendations for components of FRP (fiberglass reinforced polyester) doors required for project, including test reports certifying that products have been tested and comply with performance requirements.
- C. Shop Drawings: Submit shop drawings for fabrication and installation of FRP (fiberglass reinforced polyester) doors, including elevations, detail sections of typical composite members, hardware mounting heights, anchorages, reinforcement, expansion provisions, and glazing.
- D. Samples: Submit 6" samples of each type and color of FRP (fiber reinforced polyester) finish, and 12" long sections of extrusions or formed shapes. Where normal color and texture variations are to be expected, include 2 or more units in each set of samples showing limits of such variations.

1.5 PRODUCT DELIVERY, HANDLING, AND STORAGE

- A. All materials supplied shall be delivered to the jobsite in their original, unopened packages with labels intact. Materials shall be inspected for damage, and the manufacturer informed of any discrepancies. Unsatisfactory materials shall not be used.
- B. All materials supplied shall be packaged in individual corrugated cartons. Doors shall "floated" within cartons, with no portion of door in contact with outer shell.

- C. All doors to be marked with individual opening numbers to correlate with the designation system used on the shop drawings for doors, frames and hardware. Markings shall be temporary, removable, or concealed.

1.6 WARRANTY

- A. Provide written warranty signed by Manufacturer, Installer, and Contractor, agreeing to replace FRP (fiberglass reinforced polyester) doors which fail in materials or workmanship within time period indicated below of acceptance. Failure of materials or workmanship includes excessive deflections, faulty operation of entrances, and deterioration of finish or construction in excess of normal weathering.

- 1. Time Period: 10 years from date of shipment. In addition, a limited lifetime (while the door is in its specified application in its original installation) warranty covering: failure of corner joinery, core deterioration, delamination or bubbling of door skin.

- B. Provide written warranty signed by Manufacturer guaranteeing hardware attachment of factory installed finish hardware.

- 1. Time Period: 10 years from date of shipment.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. **Basis of Design Product:** Subject to compliance with requirements, provide SL17 FRP Flush Doors as manufactured by Special-Lite, Inc., and Aluminum Frames for FRP Doors as specified herein. **Provide either the named product or a comparable product by one of the following:**

- 1. **CORRIM Company **ADD01****

2.2 MATERIALS AND ACCESSORIES

- A. Aluminum Members: Alloy and temper recommended by manufacturer for strength, corrosion resistance, and application of required finish; ASTM B 221 for extrusions, ASTM B 209 for sheet/plate, minimum wall thickness of 1/8".

- B. Fasteners: Aluminum, or other materials warranted by manufacturer to be non-corrosive and compatible with aluminum components.

- 1. For exposed fasteners, provide Phillips head flat head screws with finish matching item to be fastened.

- C. Brackets and Reinforcements: Manufacturer's high-strength aluminum units where feasible; otherwise provide nonmagnetic stainless steel or hot-dip galvanized steel complying with ASTM A 386.

- 1. Provide manufacturer's standard reinforcement for each type of hardware required, not less than .125" thick.

- 2. Provide manufacturer's recommended fastener reinforcement.

- D. Door Face Material: Fiberglass reinforced polyester, SpecLite 3, 0.120" minimum thickness, with pebble-like embossed finish.
1. Acceptable Product: Subject to compliance with the following requirements:
 - a. Impact Strength of Face Sheets: ASTM D256, Izod Impact Strength, 13.5 footpounds per inch of notch.
 - b. Abrasion Resistance of Face Sheets: ASTM D1242, 1000 cycles of Model 503 Taber Abraser with a 1000 gram load, not to exceed 0.23% weight loss.
 - c. Hardness of Face Sheets: ASTM D2583, Barcol Meter Hardness Test, not more than 50.
 - d. Humidity Resistance of Face Sheets: ASTM D570, water absorption not greater than 0.40% after 24 hour immersion.
 - e. Ultra-Violet Degradation: Only slight color change, and negligible change in surface gloss and other physical properties after exposure to 500,000 Langleys.
- E. Weatherstripping: Provide manufacturer's standard replaceable weathering pile.
- F. Sweep: Provide manufacturer's **adjustable** sweep.
- G. Sealants and Gaskets: Provide sealants and gaskets in the fabrication, assembly and installation of the work, which are recommended by the manufacturer to remain permanently elastic, non-shrinking, non-migrating, and weatherproof.

2.3 FIBERGLASS REINFORCED POLYESTER (FRP) DOORS

- A. FRP Doors are to be constructed as follows:
1. Doors are to be 1 3/4" thick.
 2. Constructed of aluminum alloy rails and stiles, joined with steel tie rods, and have an inner core consisting of foamed-in-place Urethane.
 3. Stiles to be tubular shape to accept hardware as specified.
 4. Top and bottom rails to be extruded with internal legs for interlocking rigid weather bar.
 5. Face Sheets to be secured with extruded interlocking edges. (No snap-on trim will be accepted).
 6. Joinery to be 3/8" tie rods, top and bottom, bolted through an extruded spline and 3/16" riveted reinforcing angles, and secured with hex nuts.
 7. Core to be of Urethane foam of 5 pounds per cubic ft. density. All doors are to be properly reinforced for hardware prior to Urethane core foaming in door.
 8. Face Sheets:
 - a. Fiberglass Reinforced Plastic Sheets to be polyester SpecLite 3, 0.120" thick, with pebble-like finish.
 9. Pairs of Doors: Meeting stiles to beveled.

10. All doors shall be machined for finish hardware at the factory in accordance with the templates from the hardware supplier and the Approved Hardware Schedule. For surface applied hardware, doors shall have necessary reinforcement, including the attachment of RIVNUT blind bolt fasteners. With the exception of door holders, which require field application, doors are to be shipped with surface hardware factory applied.
11. Door Lites: Provide door lites factory glazed as indicated, with manufacturer's standard aluminum moldings and stops, with removable stops on inside only. Glass to be 1" insulated safety glass.

2.4 FLUSH INSULATED PANELS

- A. Flush insulated panels shall be constructed as follows:
 1. Panels shall be 1" thick.
 2. Panel stiles shall be formed of hardwood.
 3. Core to be Urethane of 5 pounds per cubic foot density.
 4. Face Skins to be as follows:
 - a. Fiberglass Reinforced polyester panel faces to be SpecLite 3, 0.120" thick, with pebble-like embossed finish.

2.5 ALUMINUM DOOR FRAMING FOR FRP DOORS (Required for all immediate door frames with FRP doors).

- A. Frame Members: Frame members to be one piece tubular extrusions of 6063 T5 aluminum alloy with minimum wall thickness of 1/8".
- B. Reinforcement: Frames shall be internally reinforced and factory prepared for specified finish hardware.
- C. Stops: Provide applied door stops at single acting doors. Stops to be caulked and weathertight by installer in field.
- D. Fabrication: Fabricate tubular frame assemblies as shown. Vertical frame members are to be the full height of the entrance opening. Joints are to be reinforced with internal anchors so that vertical and horizontal frame members are physically interlocked.
- E. Glazing: Provide glazing system for doors and frames to receive lites. Design system for replacement of glass/panel, but for non-removal of glass/panel from the exterior. Ship frame members to jobsite with glazing bead installed and caulked on secure side of frame.

2.6 ALUMINUM CAPPING SYSTEM

- A. Where indicated, provide a Frame capping system fabricated of .062" Aluminum, as manufactured by Special-Lite, Inc. Finish capping to match finish as supplied on other framing sections.

2.7 INSERT FRAMING

- A. Where indicated, provide insert frames fabricated of extruded 6063T5 Aluminum alloy fitted with .34 inch high by .36 inch wide wool-poly-propylene blend pile. Corner joints are to be mitered and secured with prefabricated aluminum clips. Framing as manufactured by Special-Lite, Inc., and finished to match other framing sections.

2.8 FINISH HARDWARE

- A. Supplier: Refer to Section 08710 of these specifications for the Finish Hardware requirements for this project. Refer to approved Finish Hardware Schedule for items to be supplied to the door and frame manufacturer to install.
- B. Receive Hardware supplied in accordance with Section 08710, and Hardware Schedule, and coordinate with the Hardware requirements of this section. Report discrepancies (in writing) to the Architect immediately.
- C. Ship hardware, to be installed by manufacturer, to manufacturer with cartons marked with door numbers correlating with designation system used on shop drawings.
- D. Install all Hardware, except door holders at the fabrication plant. Remove only Hardware as required for final finishing or delivery to jobsite. Package and identify such Hardware and ship with doors and frames for installation at the project site.

2.9 FINISHES AND COLORS

- A. Fiberglass Reinforced Polyester Colors: As selected by Architect from manufacturer's complete range.
- B. Aluminum Framing:
 - 1. High-Performance Organic Coating: AA-C12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: chemical conversion coating, acid chromate-fluoride-phosphate pretreatment; Organic Coating: as specified below). Prepare, pre-treat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturer's instruction.
 - 2. Fluorocarbon 3-Coat Coating System: Manufacturer's standard 3-coat thermo-cured system, composed of specially formulated inhibitive primer and fluorocarbon color coat, and clear fluorocarbon topcoat, with both color coat and clear topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight; comply with AAMA 605.2.
 - 3. Color and Gloss: Custom color to match Architect's sample.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturer's recommendations and specifications for the installation of the doors and frames.
- B. Set units plumb, level and true to line, without warp or rack of doors, frames or panels. Anchor securely in place. Separate aluminum, and other corrodible metal surfaces, from sources of

SECTION 082250
FRP DOORS AND
ALUMINUM FRAMES
FOR FRP DOORS

corrosion or electrolytic action at points of contact with other materials, with bituminous coatings, or other means as approved by Architect.

- C. Set saddles in a bed of compound.
- D. Clean Aluminum surfaces promptly after installation of doors and frames, exercising care to avoid damage to the protective coating (if any). Remove excess glazing and sealant compounds, dirt and other substances.
- E. Provide protective treatment and other precautions required through the remainder of the construction period, to ensure that the doors and frames will be without damage or deterioration (other than normal weathering) at the time of acceptance.
- F. Adjusting: Adjust operating hardware to function properly, for smooth operation without binding, and for weathertight seal.
- G. Caulking: Refer to Section 07900 "Joint Sealants."

****END OF SECTION****

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
DEARBORN POOL

TMP Architecture
Bloomfield Hills, Michigan

DRAWING TITLE
FOUNDATION PLAN

ISSUE DATES

11-9-17 ADDENDUM #1
10-25-17 BIDS
09-27-17 OWNER REVIEW

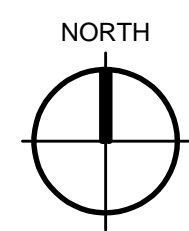
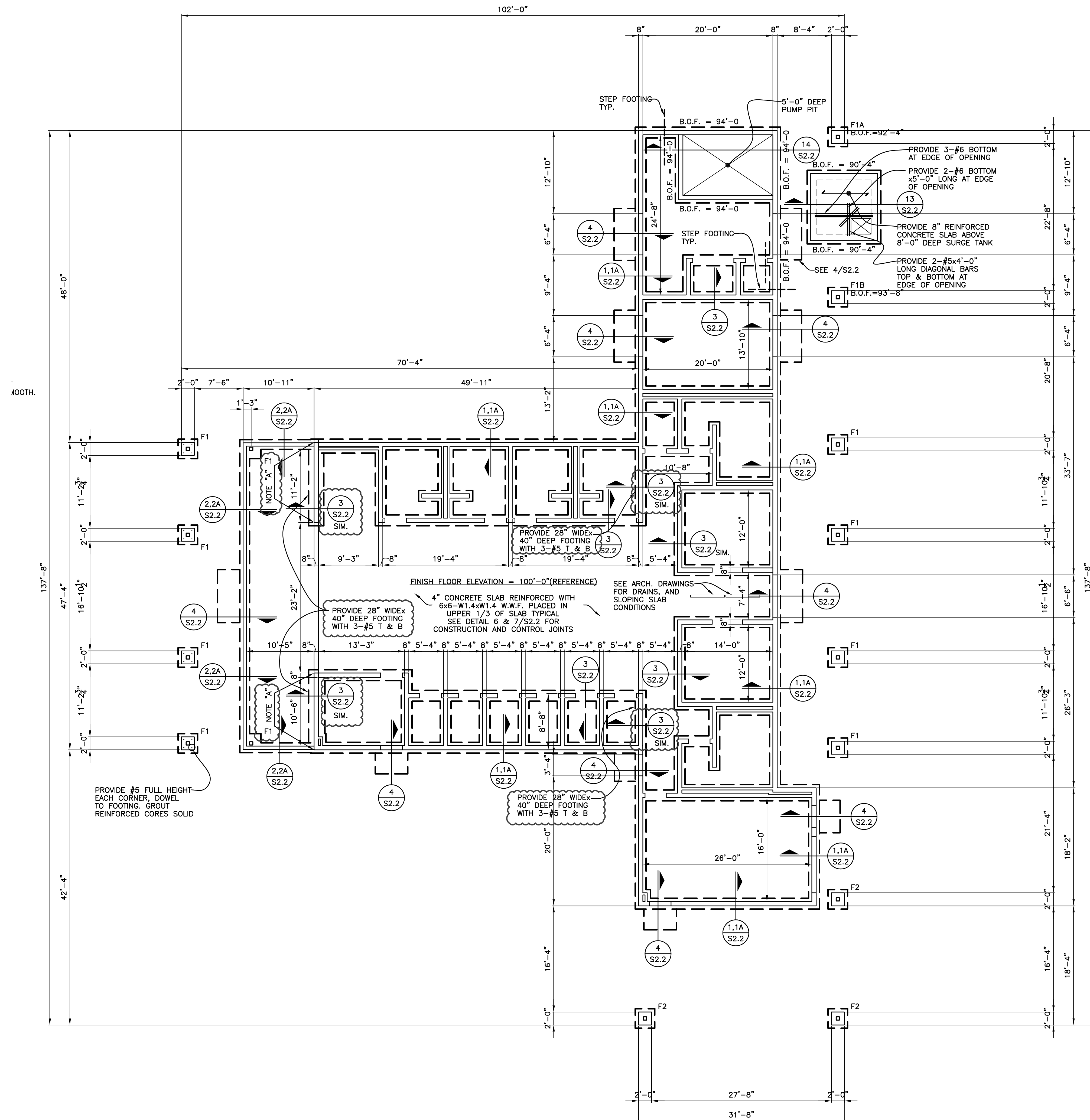
DATE	ISSUED FOR:
DRAWN	RC
CHECKED	TS
APPROVED	TS

PROJECT NO.

17071

DRAWING NO.

S1.0



FOUNDATION PLAN

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

NOTE: REINFORCE ALL MASONRY WALLS WITH #5 @ 48" O.C. FULL HEIGHT VERTICAL UNLESS OTHERWISE NOTED. GROUT REINFORCED CORES SOLID, DOWEL TO FOOTING. PLACE BARS AT CORNERS AND FACE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS. SEE DETAILS 8, 9, 10, 11, & 12/S2.2.
SEE SHEET S2.1 FOR FOUNDATION SCHEDULE
BOTTOM OF FOOTING ELEVATION = 96'-0" U.O.N.

NOTE "A": REINFORCE MASONRY WALLS AT SHEAR WALL SW-1 WITH #5 @ 32" O.C. FULL HEIGHT VERTICAL UNLESS OTHERWISE NOTED. GROUT REINFORCED CORES SOLID, DOWEL TO FOOTING. PLACE BARS AT EACH END OF WALL. SEE DETAILS 8, 9, 10, 11, & 12/S2.2. PROVIDE BOND BEAM WITH 2-#5 CONT. ONE COURSE BELOW TOP OF WALL.

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
DEARBORN POOL

TMP Architecture
Bloomfield Hills, Michigan

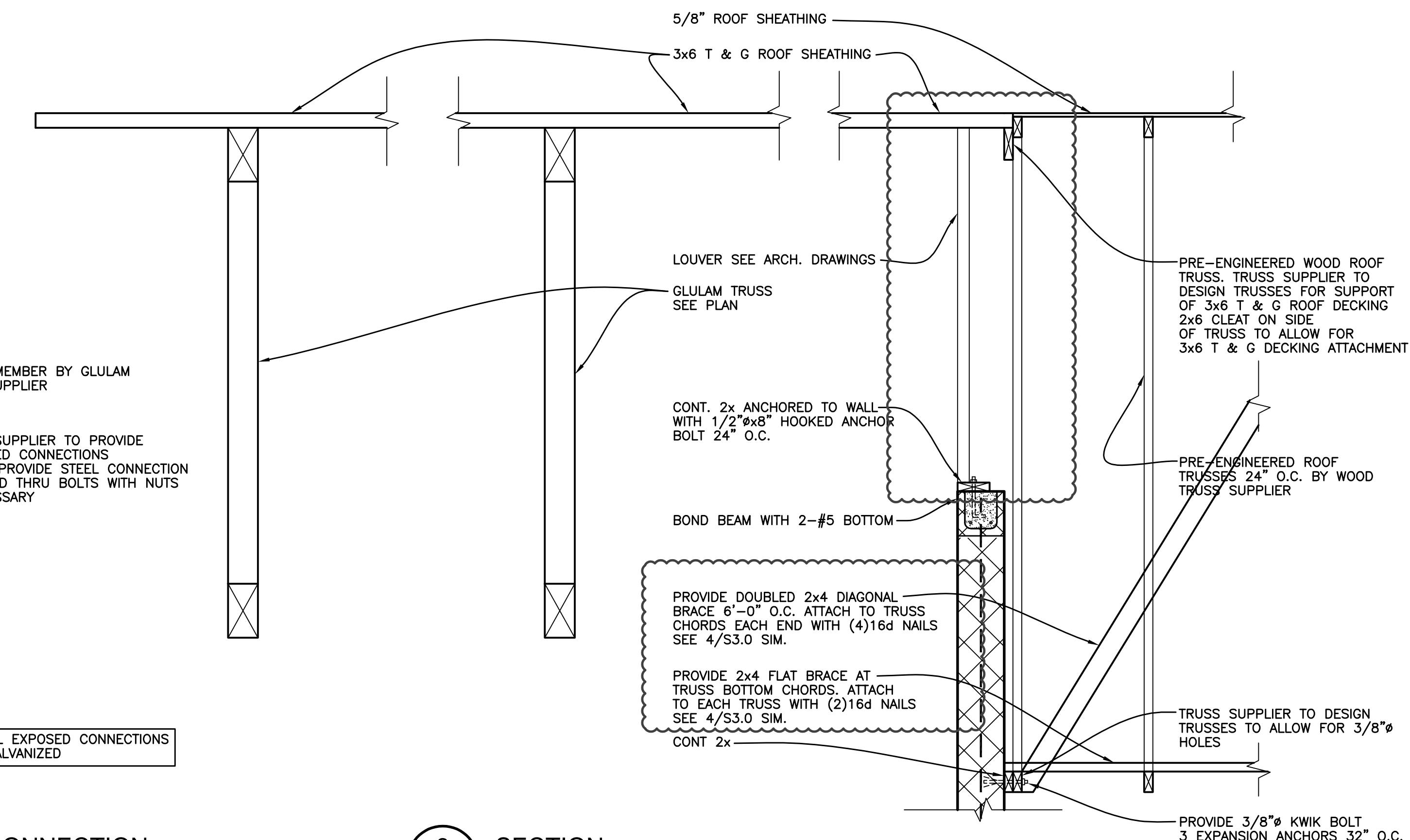
DRAWING TITLE
DETAILS

ISSUE DATES

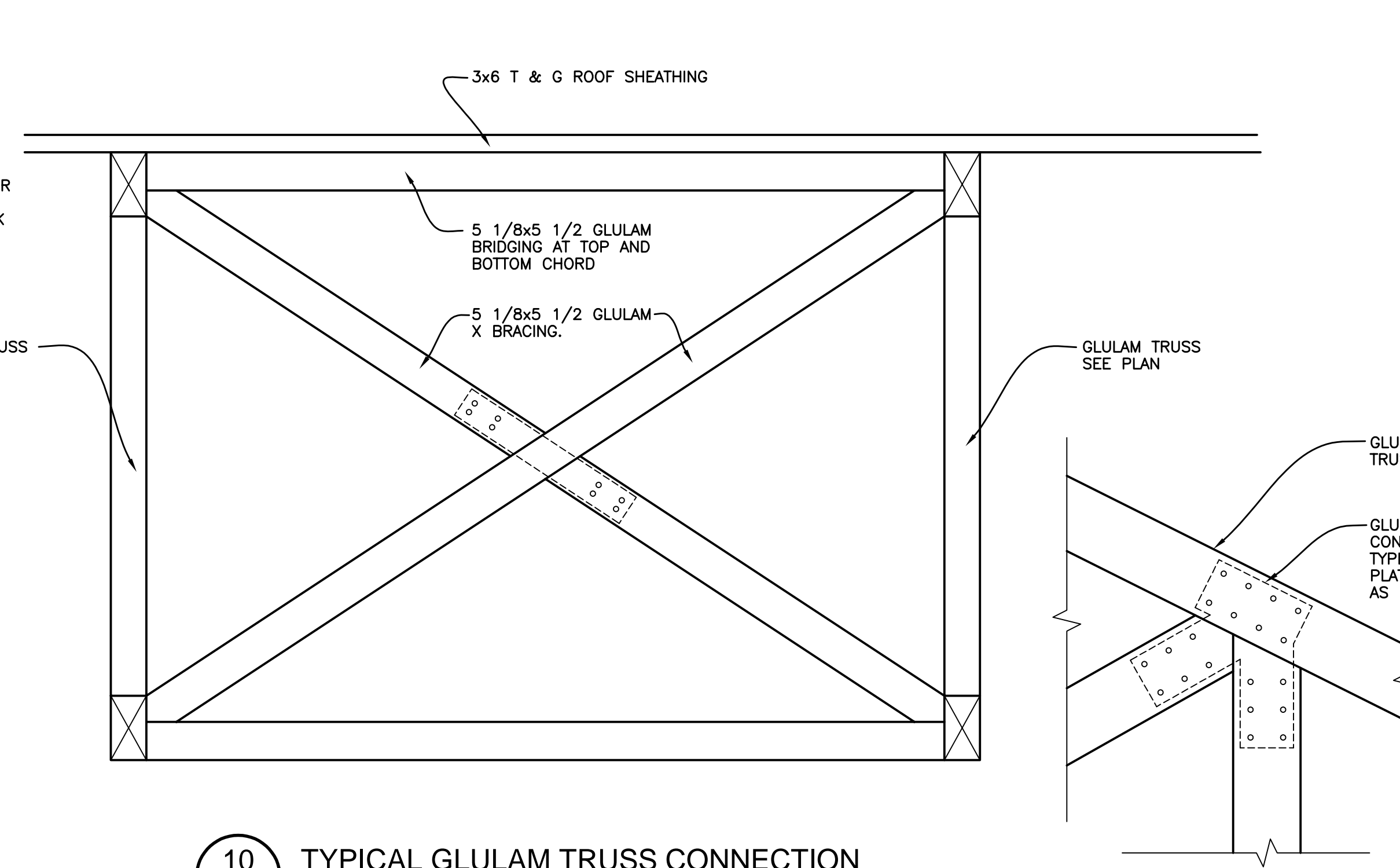
11-9-17	ADDENDUM #1
10-25-17	BIDS
09-27-17	OWNER REVIEW

DATE	ISSUED FOR:
DRAWN	RC
CHECKED	TS
APPROVED	TS

PROJECT NO.
17071
DRAWING NO.
S3.0



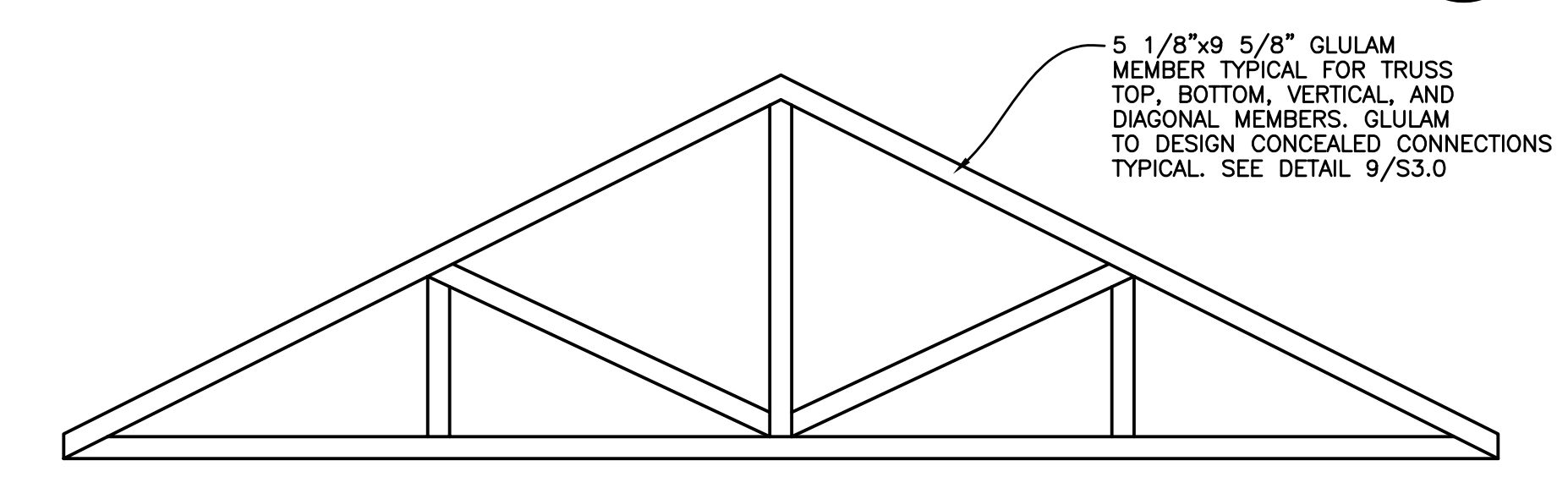
8 SECTION
S3.0 SCALE : 3/4" = 1'-0"



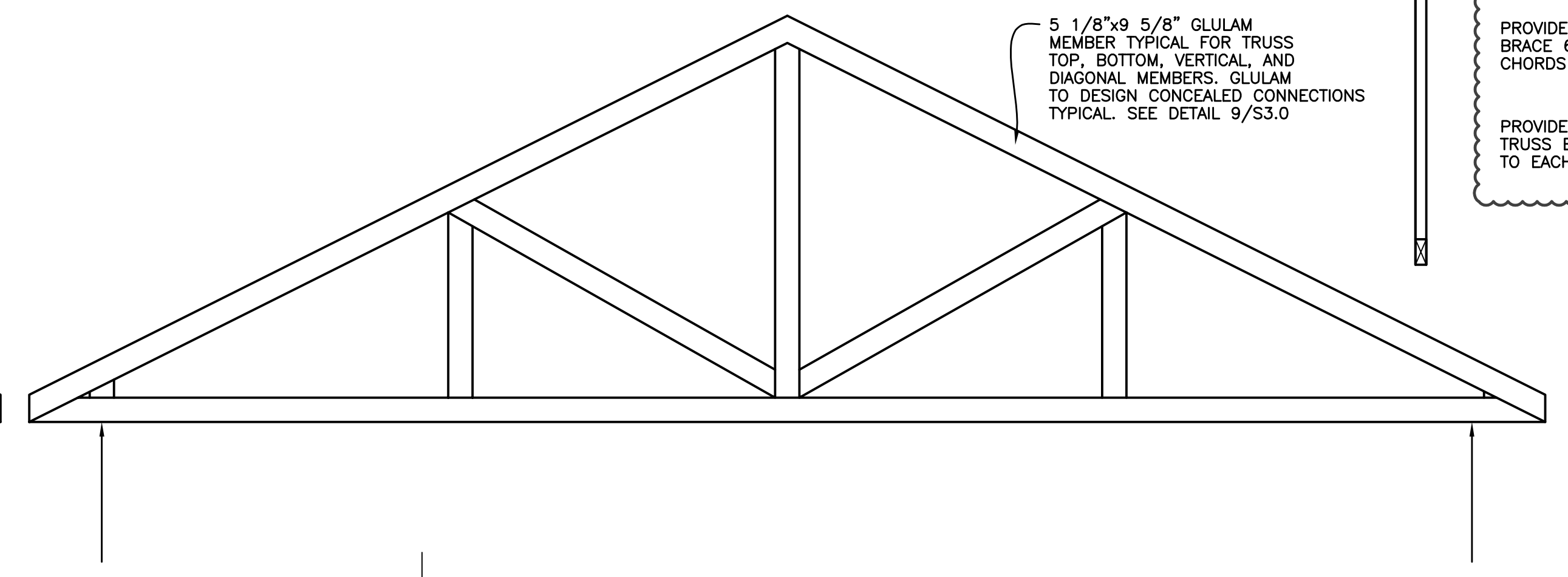
10 TYPICAL GLULAM TRUSS CONNECTION
S3.0 SCALE : 3/4" = 1'-0"

9 TYPICAL GLULAM TRUSS CONNECTION
S3.0 SCALE : 3/4" = 1'-0"

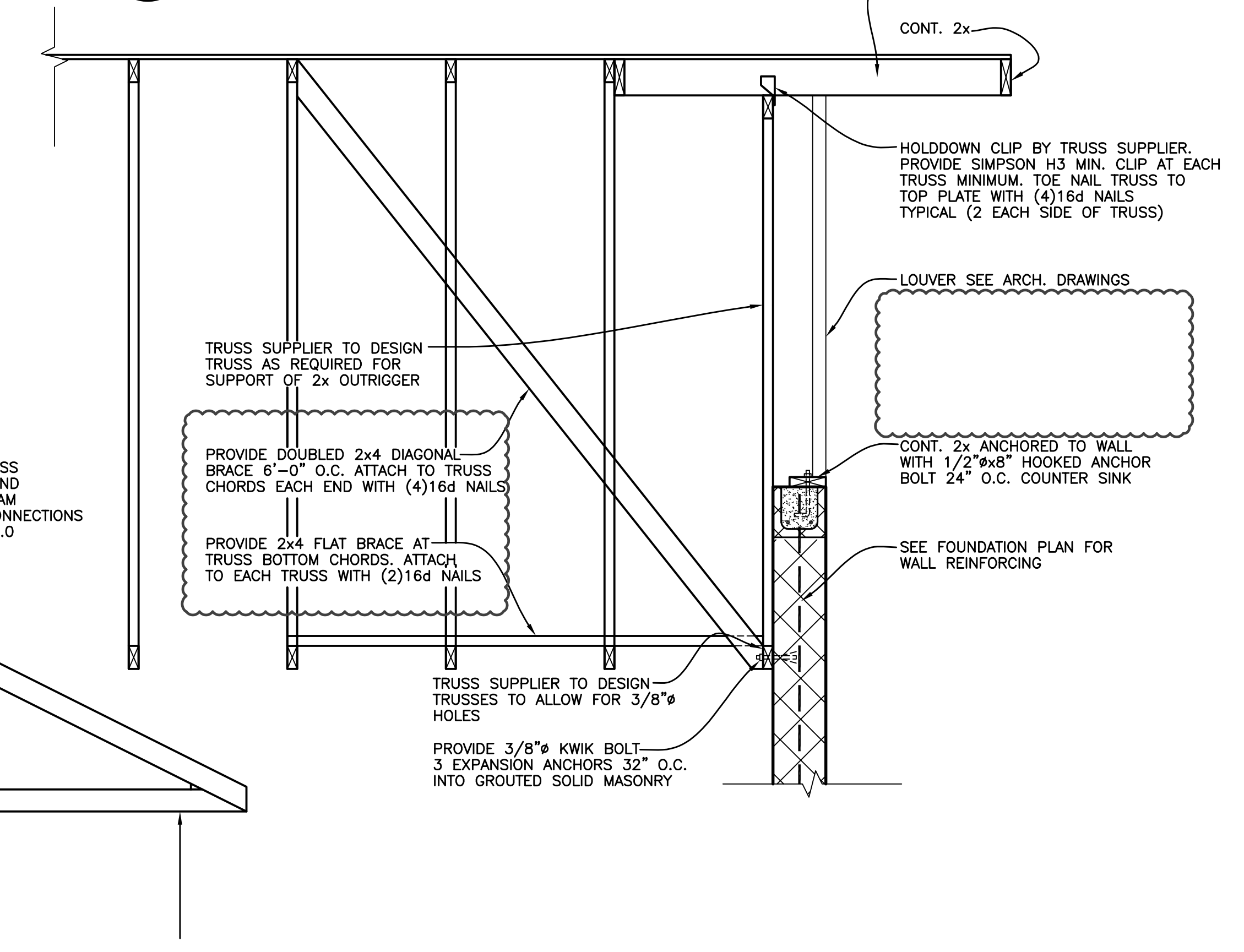
NOTE: ALL EXPOSED CONNECTIONS TO BE GALVANIZED



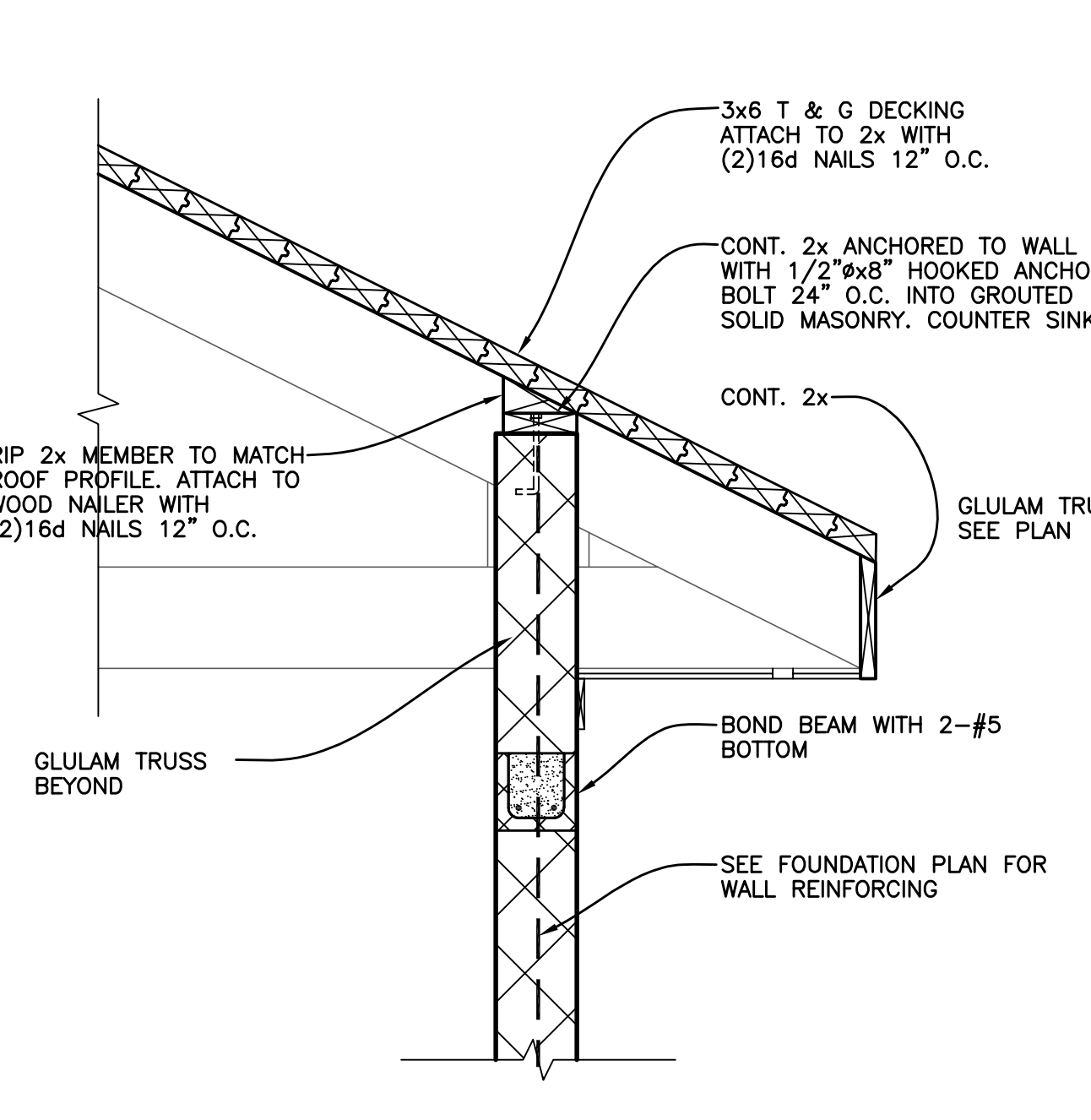
7 GLULAM TRUSS T4
S3.0 SCALE : 3/4" = 1'-0"



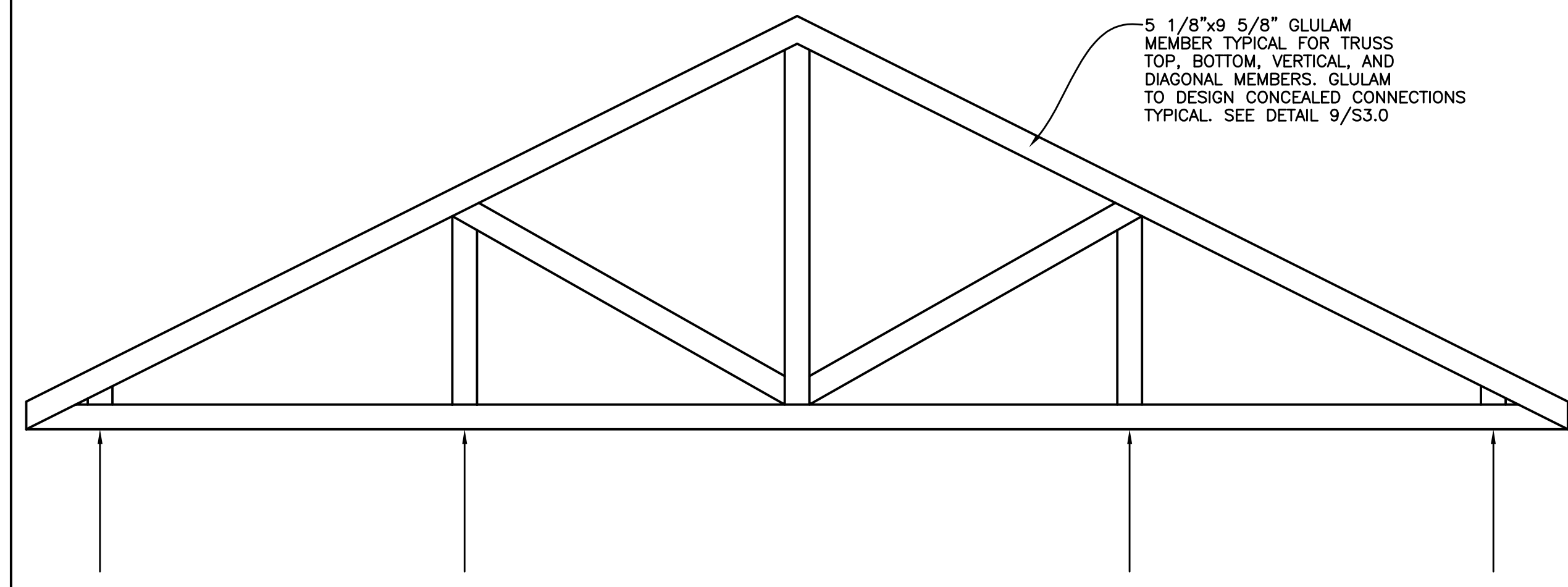
5 GLULAM TRUSS T1, & T2
S3.0 SCALE : 3/4" = 1'-0"



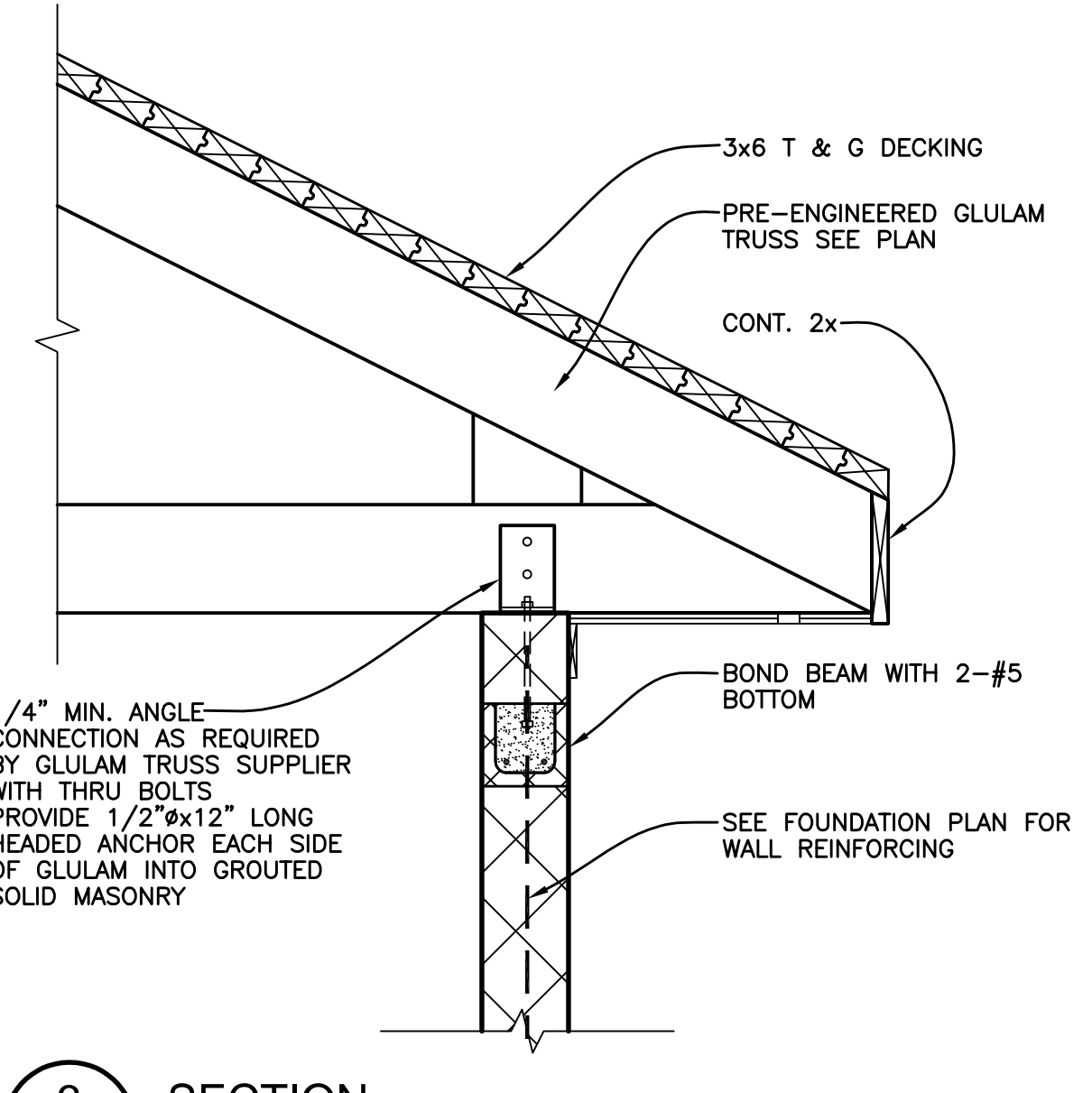
4 SECTION
S3.0 SCALE : 3/4" = 1'-0"



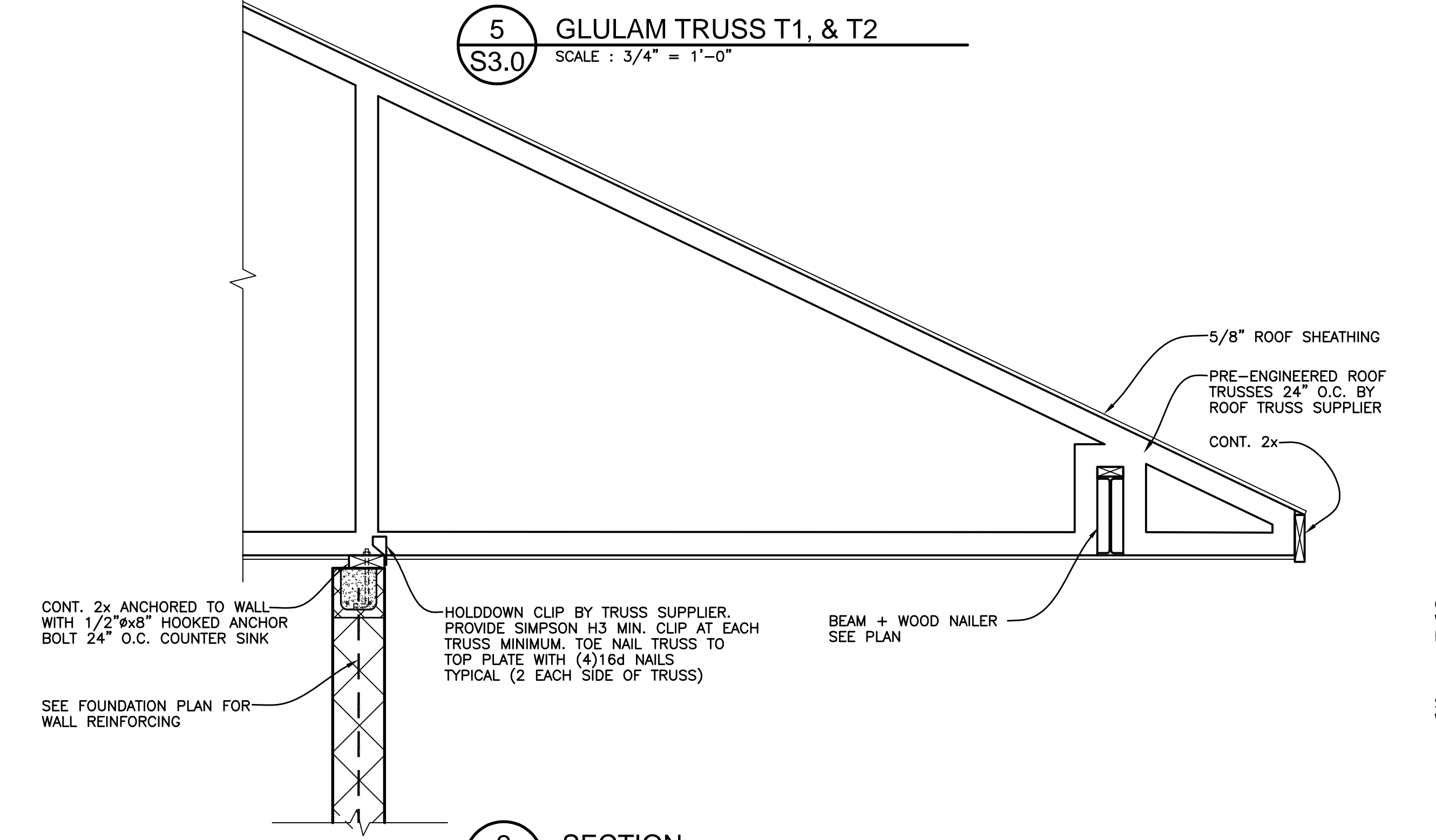
11 SECTION
S3.0 SCALE : 3/4" = 1'-0"



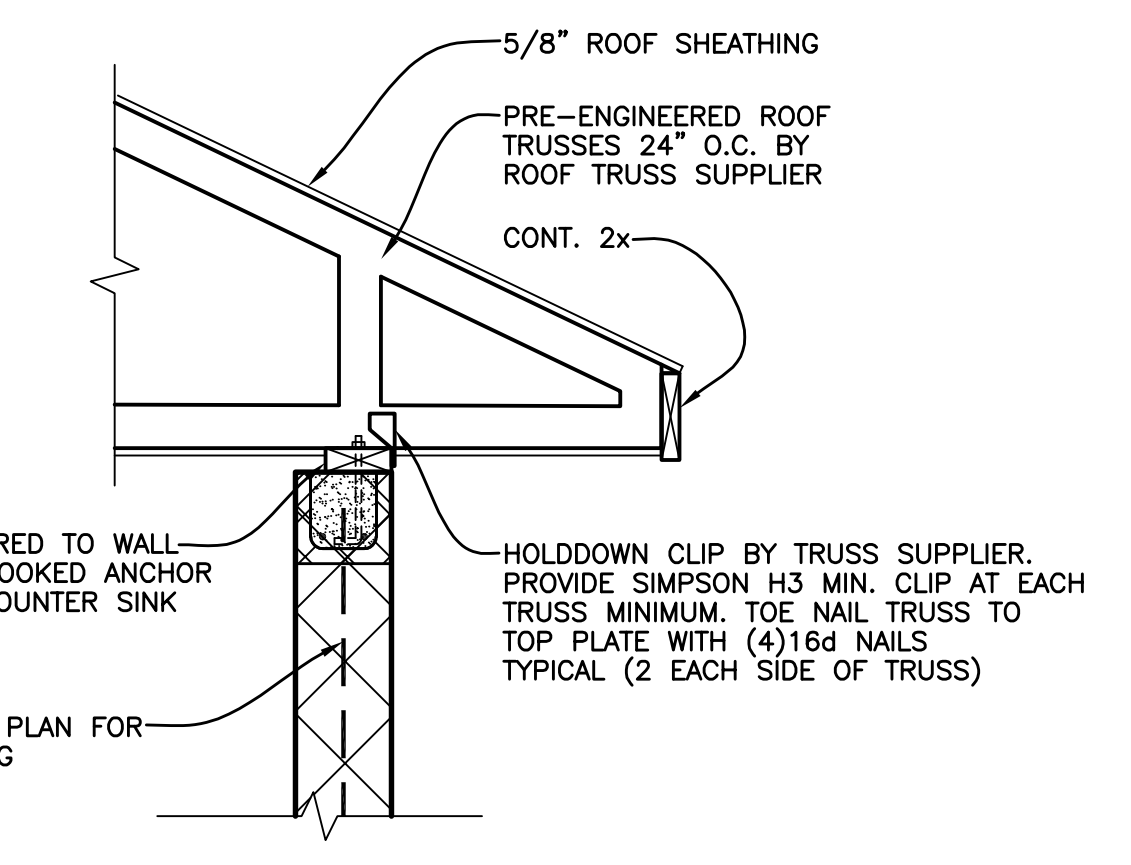
6 GLULAM TRUSS T3
S3.0 SCALE : 3/4" = 1'-0"



3 SECTION
S3.0 SCALE : 3/4" = 1'-0"



2 SECTION
S3.0 SCALE : 3/4" = 1'-0"



1 TYPICAL WOOD ROOF TRUSS BEARING ON WALL
S3.0 SCALE : 3/4" = 1'-0"

