

CODES.

All methods, materials and workmanship shall conform to the 2018 International Residential Code (IRC) as amended and adopted by the local building authority.

Design criteria.

Table with 3 columns: Load Type, Value, and Notes. Includes Snow (IRC R301.2), Live load, Dead load, Roof, and Floor.

Lateral loads: Wind (IRC R301.2) Basic wind speed: 97 mph (3 second gust ultimate)

Seismic (IRC R301.2) Soil Site Class D Seismic Design category D2 Importance factor: 1.0

Lateral earth pressure: Basement walls and other walls in which horizontal movement is restricted at the top shall be designed for at rest load of not more than 60 psf/ft.

Soil data: 1500 psf assumed - Contractor to field verify condition. A geotechnical report is required for review by the Engineer and Building Official whenever structures or portions thereof are to be located on fill.

Inspection - shall be performed per the Building Official's rules.

CONCRETE.

All concrete shall be hard rock concrete meeting requirements of ACI-318, "Building Code Requirements for Structural Concrete".

Table with 4 columns: Type or location of concrete construction, Strength (psi), Air content, and Notes. Includes Basement walls, foundations and other concrete, Basement slabs, etc.

Note 1: See IRC R402.2 and ACI 318 Chapter 4 for minimum cement content.

Reinforcing steel: Deformed bar reinforcement: ASTM A-615 Grade 60; Welded wire fabric: ASTM A-185 & ASTM A-82; fy = 65 ksi

All reinforcing shall be lap-spliced a minimum lap of 40 bar diameters except as noted specifically on the structural drawings.

Concrete cover on reinforcing (unless shown otherwise): Bottom of footings 3"; Formed earth face 4" slab-on-grade 2"

WOOD.

Framing lumber shall be DF#2 or better, except that 2x framing lumber may be HF #2 unless otherwise shown on the plans.

Provide cut or malleable iron washers or where bolt heads, nuts, and lag screws bear on wood.

Treat all wood in contact with concrete, mortar, grout, masonry, and within 8" of earth; all wood over water; and all wood in contact with earth; with one of the following processes:

- Chromated Copper Arsenate (CCA-C), DOT Sodium Borate (SBX), Alkaline Copper Quat ACQ-C and ACQ-D (Carbonate), Copper Azole (CBA-A and CA-B)

Where possible, pre-cut material before treatment. All field cuts and drilled holes shall be field treated in accordance with ANPA M-4.

Accessories.

Bolts shall be ASTM A-307. Washers shall be malleable iron washers (M.I.W.) or heavy plate cut washers. Nails shall have the minimum wire dimensions shown on Detail 5 this sheet.

All hardware exposed to weather, in unheated portions of building, or in contact with treated wood as specified above shall be galvanized as follows: Fasteners shall be hot dipped per ASTM A 153 or mechanically galvanized per ASTM B 645, class 55 or greater.

Stainless steel hardware and fasteners shall be used in connection with any preservative treatment process not specifically listed above.

Minimum nailing.

Minimum nailing shall be per IRC table R602.3 (1) - nailing schedule.

Sheathing (plywood/osb).

All grading shall conform to the following standards: NIST Voluntary Product Standard PS 2-42. Thickness and lay-up shall be as shown. All plywood shall be group I or II species.

Panel edges 8d at 6" on center. Intermed. Support 8d at 12" on center

Glue/Lam Beams.

Materials, manufacture and quality control shall be per ANSI/AITC A-190.1 "Structural Glue Laminated Timber".

Wood Adhesive.

All wood adhesives shall be elastomeric and shall have a current ICC-ES approval. Apply all adhesives in accordance with the adhesive manufacturer's recommendations.

Pre-Engineered Trusses.

Member geometry and spacing shall be as shown on the plans. The manufacturer shall provide additional framing member as shown or as necessary to provide support for mechanical equipment, wall or other partitions, snow drift loads, etc.

Where noted pre-cut blocking, bridging, bracing and/or filler pieces shall be furnished by the manufacturer. Where applicable, wind uplift bracing shall be provided by the manufacturer.

Shop drawings shall indicate all required permanent bracing. Supporting calculations shall indicate member stresses, species/grades and applicable ICC-ES approvals. Shop drawings and calculations shall be sealed by a professional engineer registered in the State of Washington.

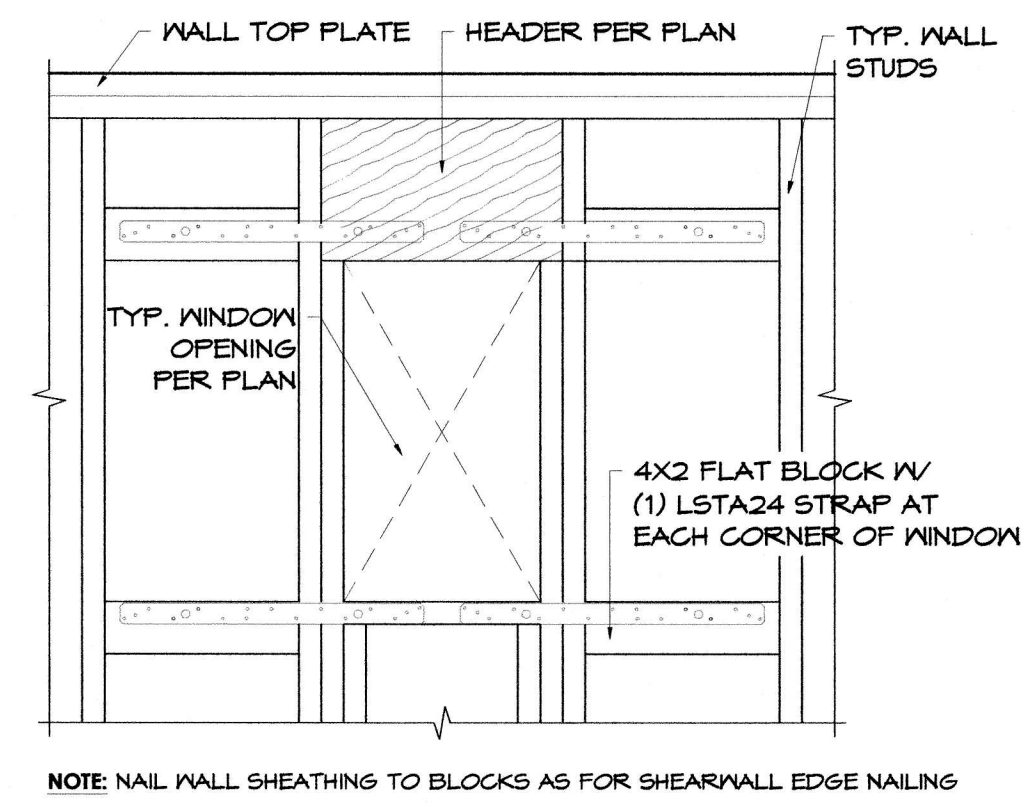
Metal plated trusses shall be manufactured a detailed in conformance with the following standards:

- ANSI/TPI 1-2002 National Design Standards for Metal Plate Connected Wood Truss Construction, ANSI/TPI 1-1995 Code of Standard Practice for the Metal Plate Connected Wood Truss Industry, ANSI/TPI 2-1995 Standard for Testing Metal Plate Connected Wood Trusses.

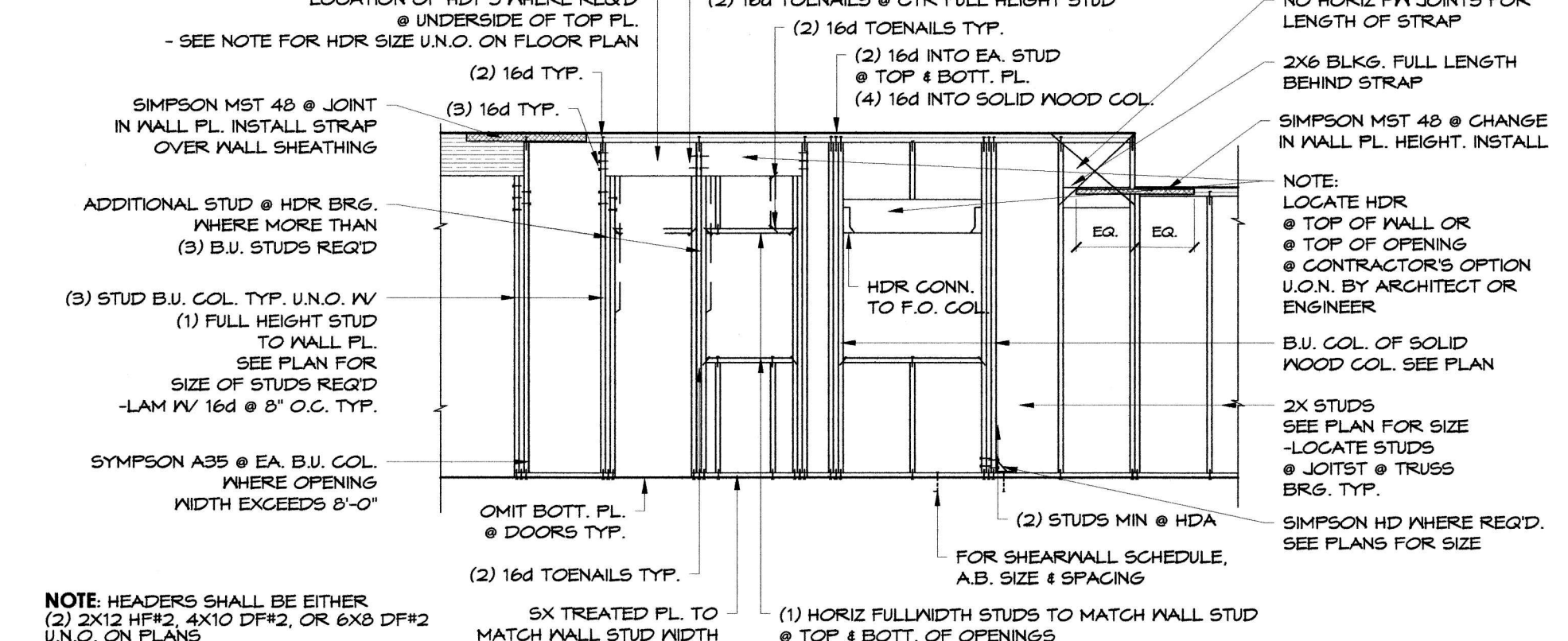
When delivered, the components shall be accompanied by the fabricator's certificate of conformance to the above referenced standards, and by the following user advisory notices (or notices equivalent) to:

- BCSI-B1 Summary Sheet - Guide for Handling, Installation and Bracing of Metal Plate Connected Wood Trusses, BSCI-B2 Summary Sheet - Truss Installation and Temporary Bracing, BSCI-B3 Summary Sheet - Web Member Permanent Bracing/Web Reinforcement, BSCI-B4 Summary Sheet - Construction Loading.

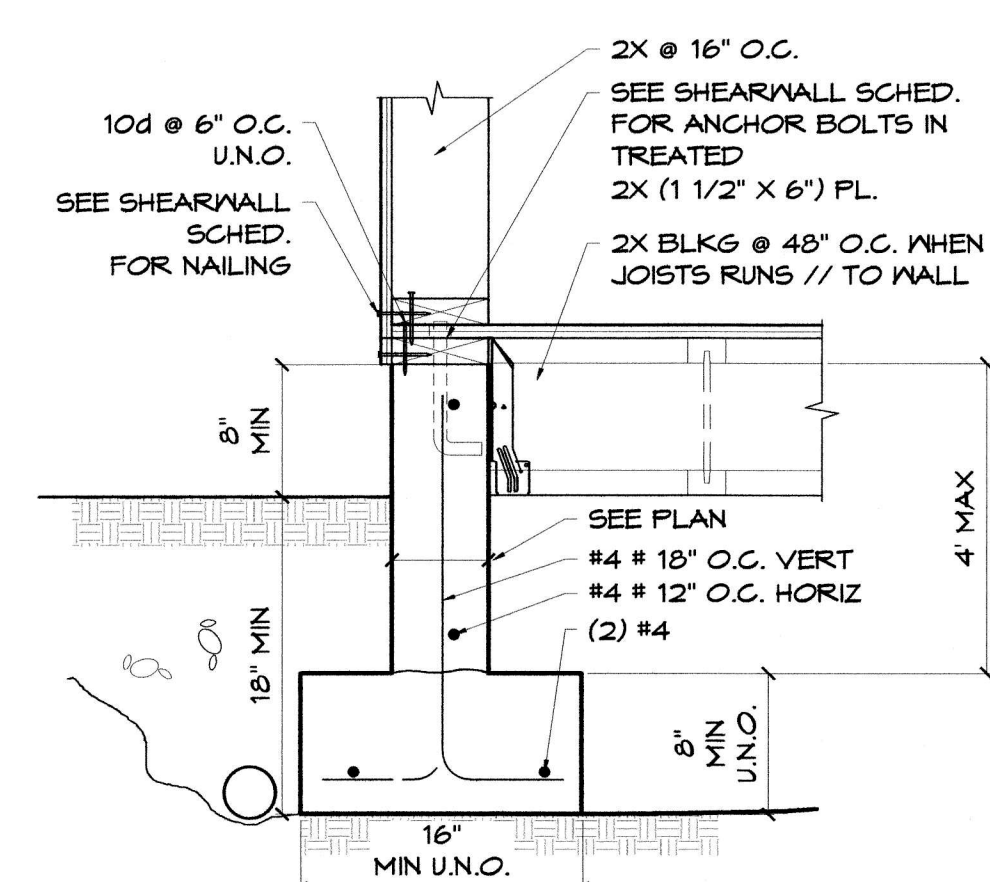
ABBREVIATION MEANING table with 4 columns: Abbreviation, Meaning, Abbreviation, Meaning. Includes symbols for AT, BUILT UP, BLOCKING, etc.



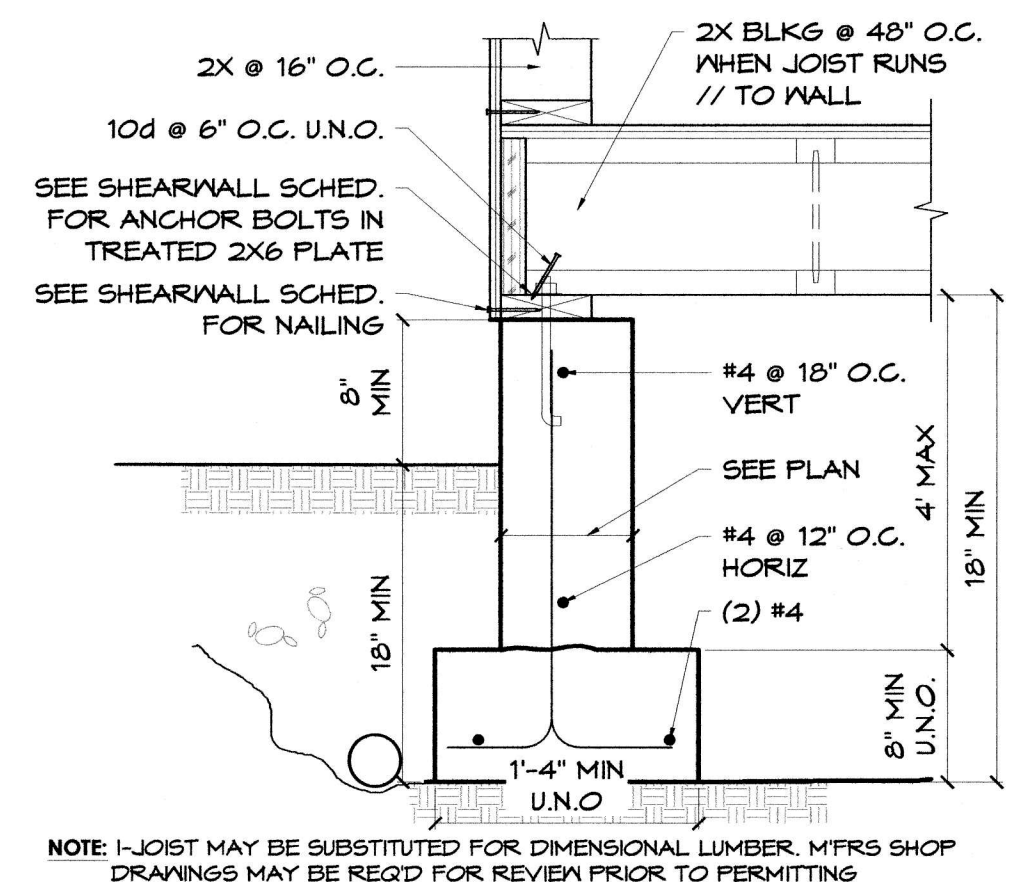
2 WINDOW STRAPPING DETAIL



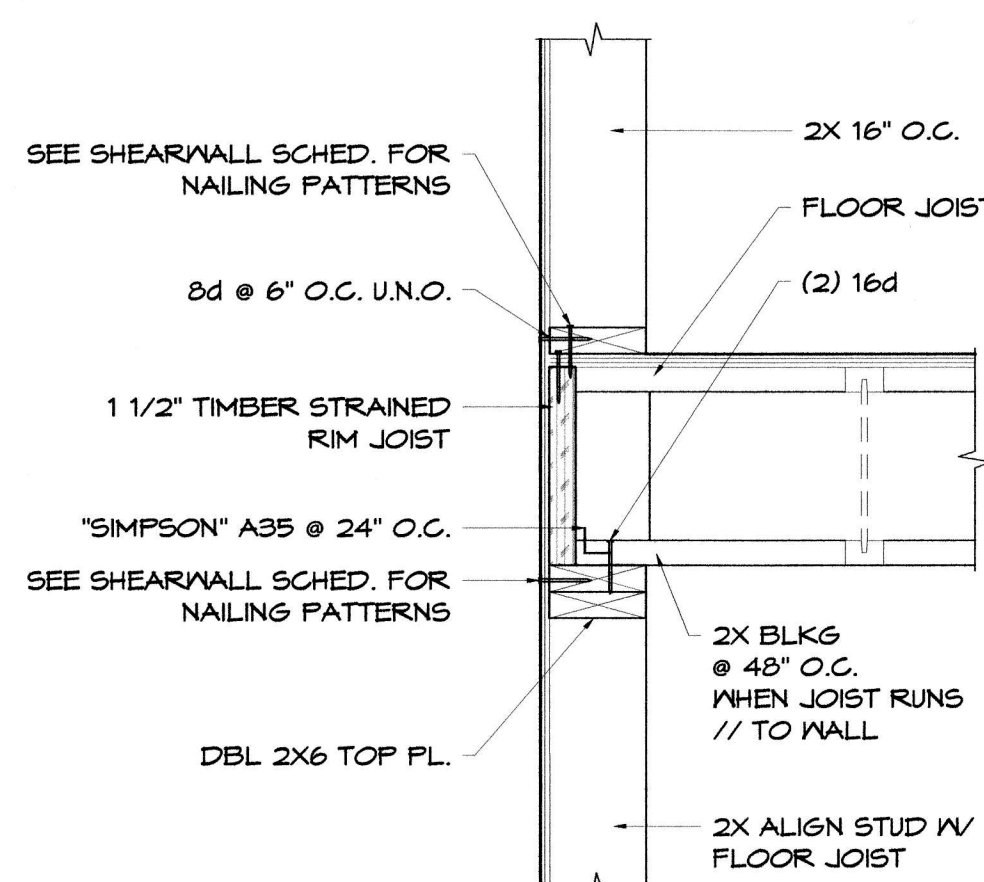
1 TYPICAL EXTERIOR & INTERIOR BEARING WALL FRAMING ELEVATION



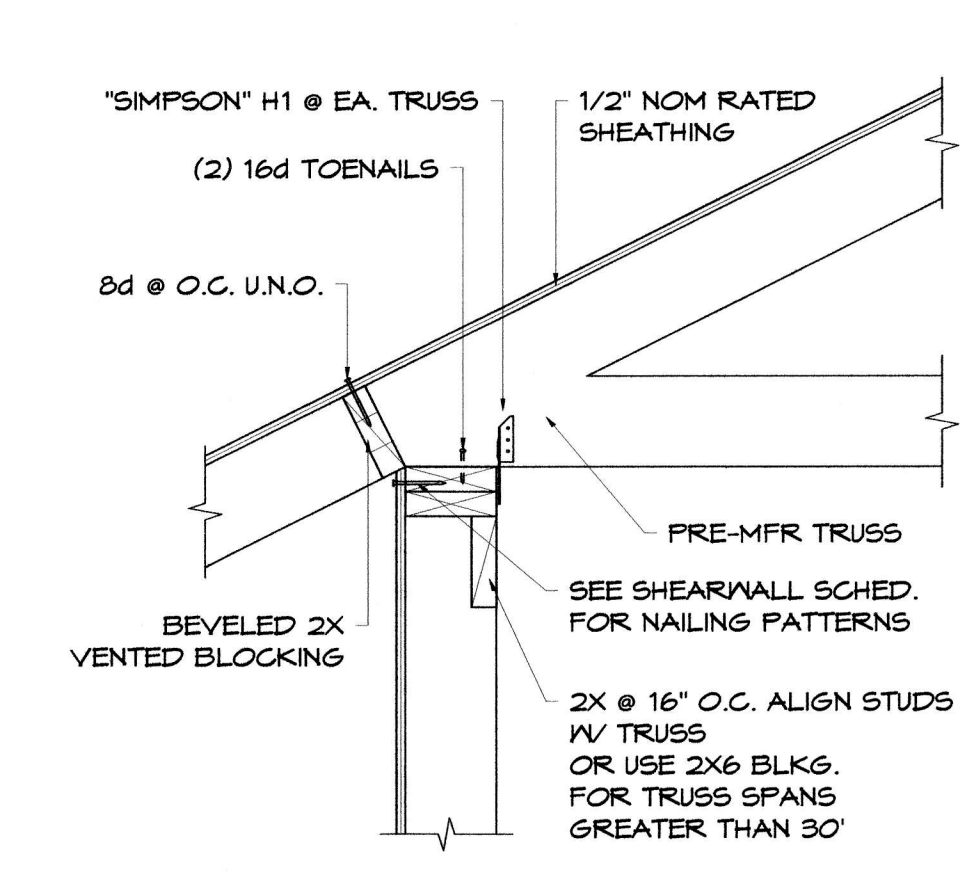
3D TYP. WALL CONSTRUCTION DETAIL



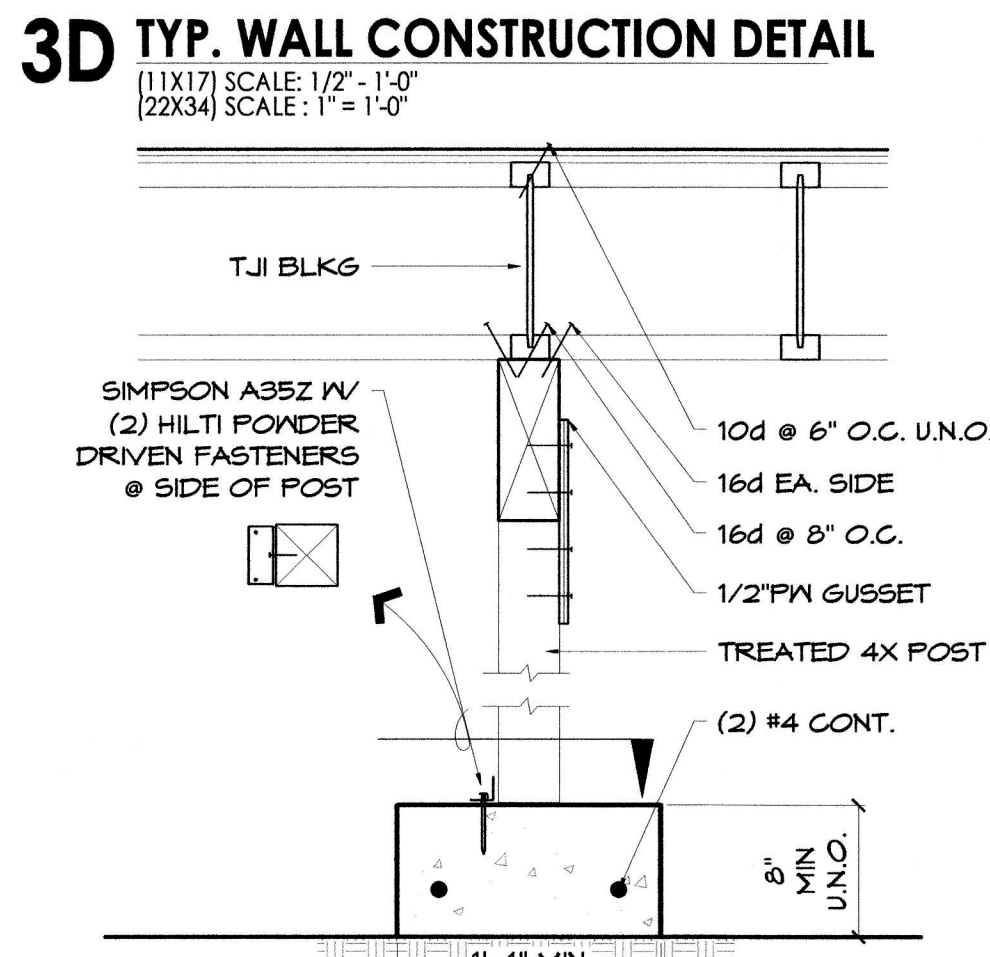
3C TYP. WALL CONSTRUCTION DETAIL



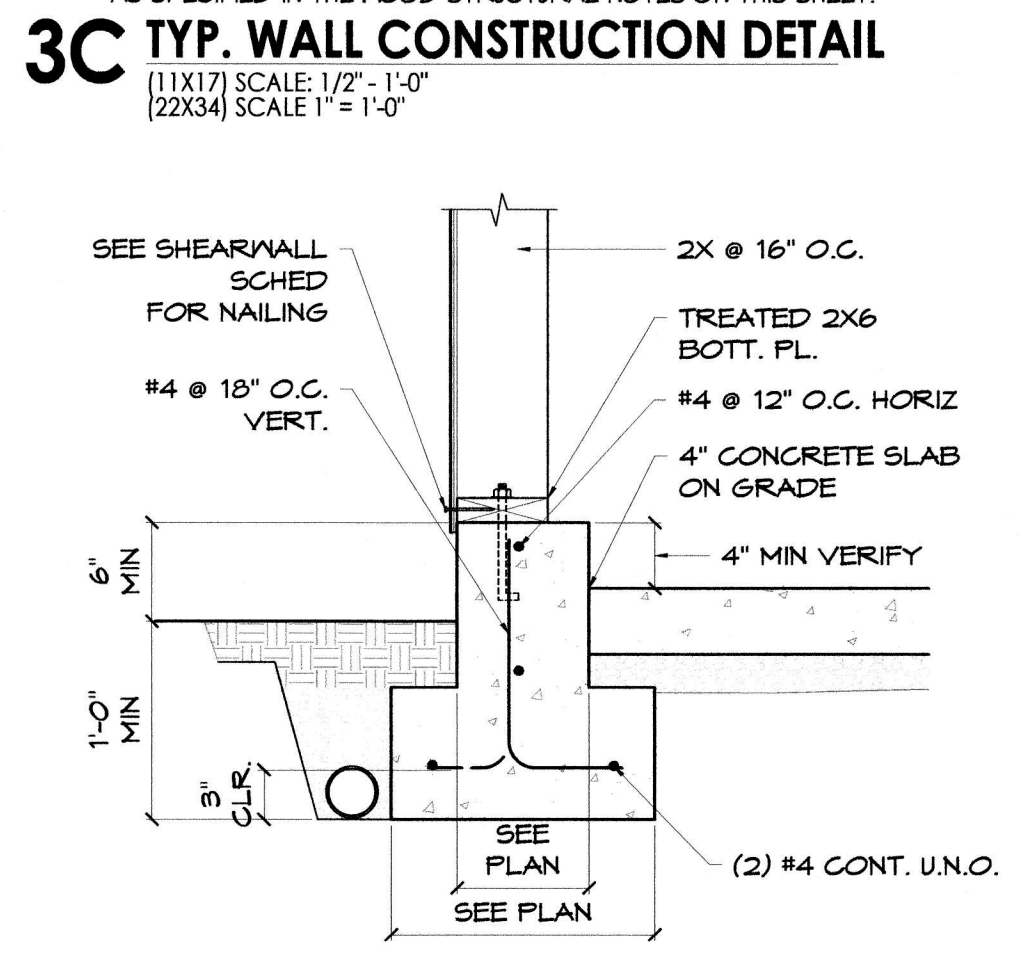
3B TYP. WALL CONSTRUCTION DETAIL



3A TYP. WALL CONSTRUCTION DETAIL



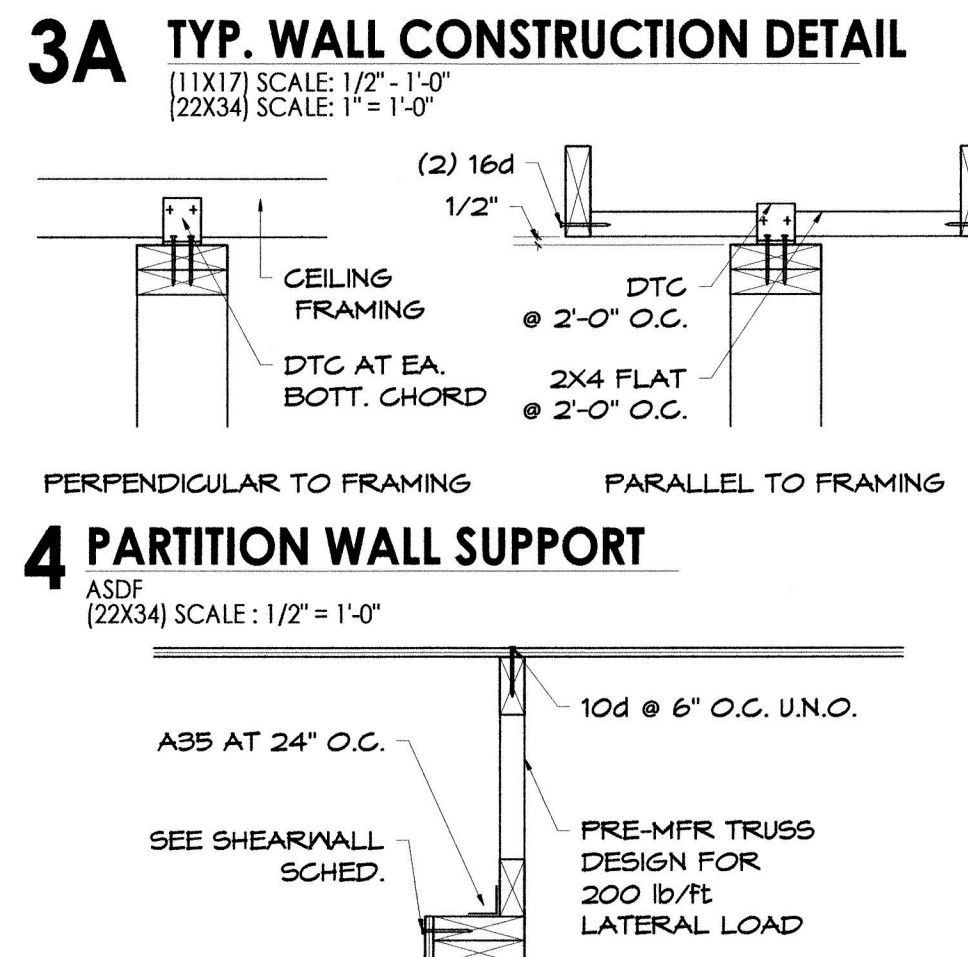
8 FLR FRAMING DETAIL



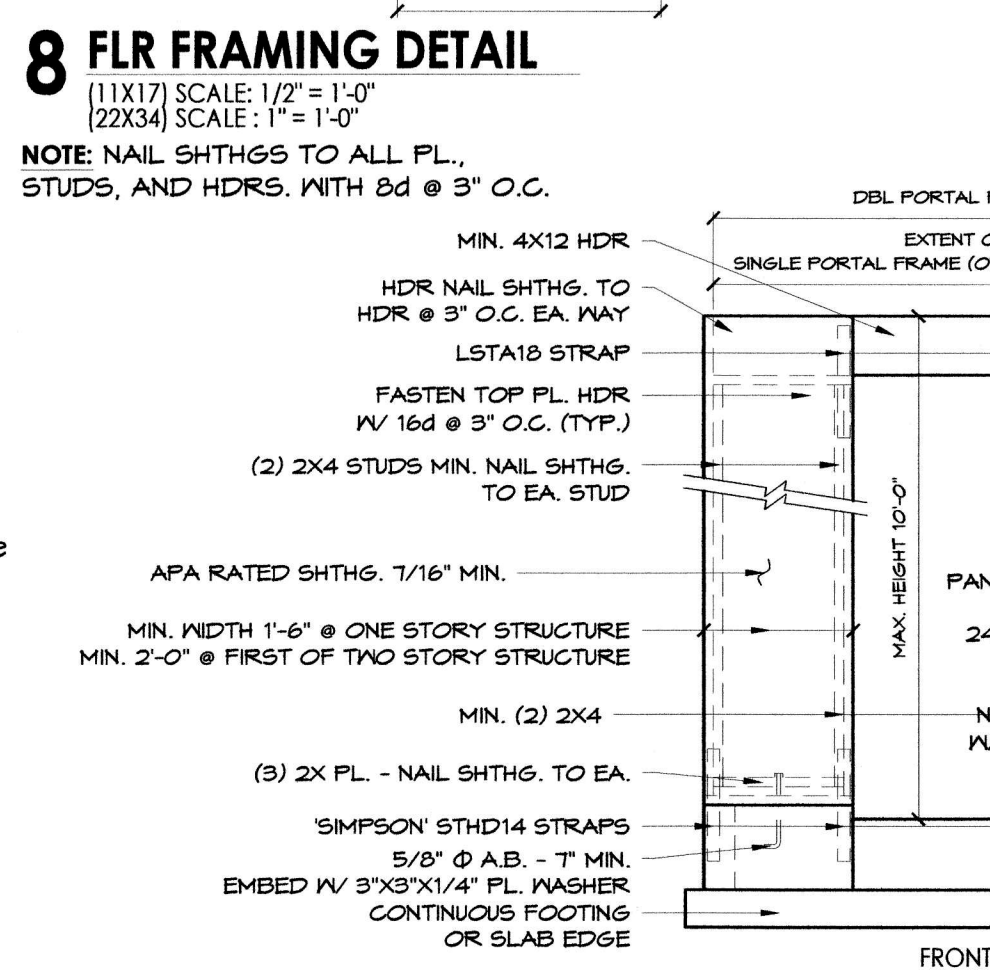
7 ALTERNATE FTG DETAIL

Table 6: SHEARWALL NAILING SCHEDULE. Includes columns for Mark, Wall Type, Panel Edge Nailing, Intermediate Nailing, and Bolt/Anchor Nailing. Includes a note on shear wall scheduling.

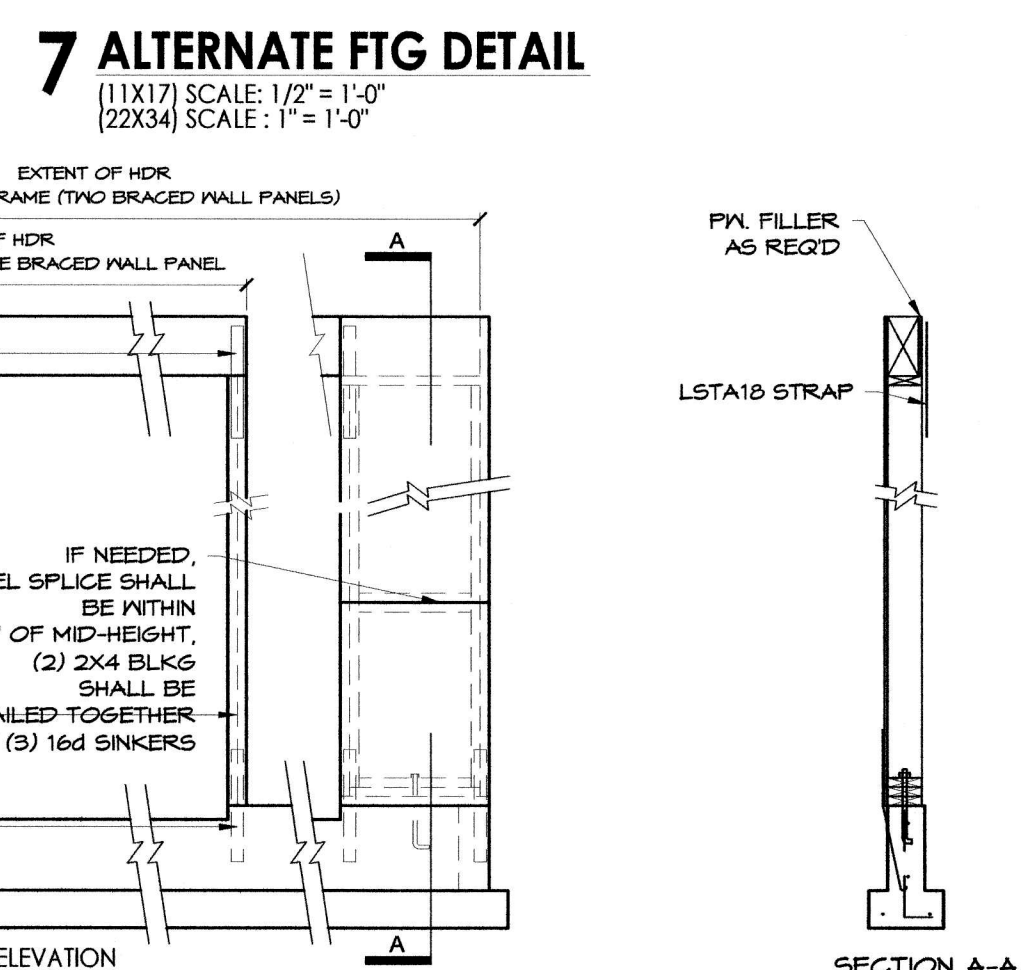
6 SHEAR WALL NAILING SCHEDULE



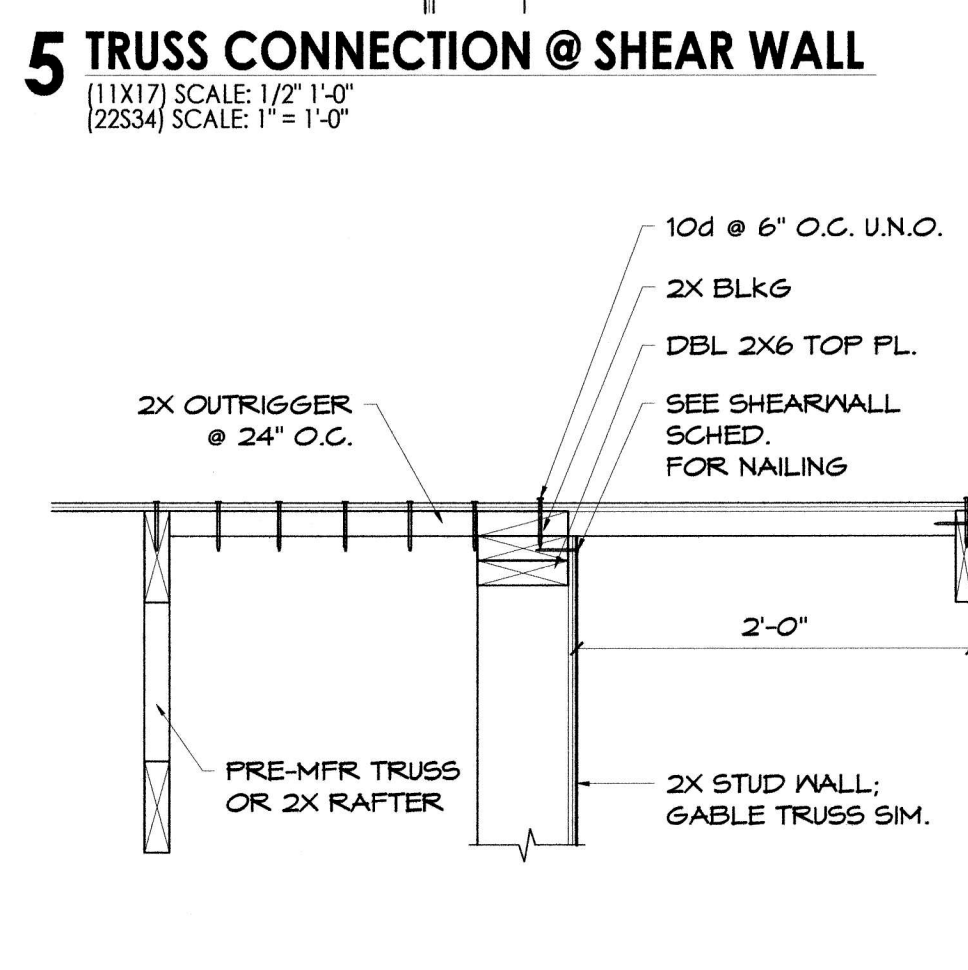
4 PARTITION WALL SUPPORT



11 LATERAL RESTRAINT PORTAL (LRP)



10 GABLE END WALL DETAIL



5 TRUSS CONNECTION @ SHEAR WALL



9 OUTLOOKER AT GABLE

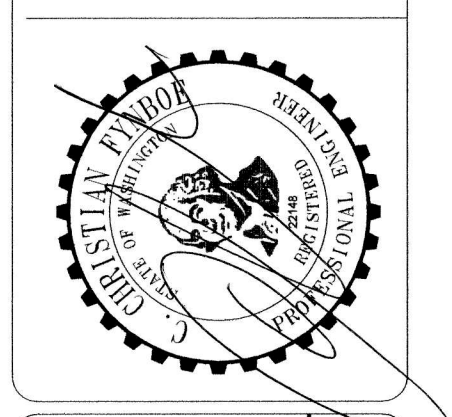
THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government.

City of Puyallup Development & Permitting Services ISSUED PERMIT. Includes logos for Building, Planning, Engineering, Public Works, Fire, and Traffic.

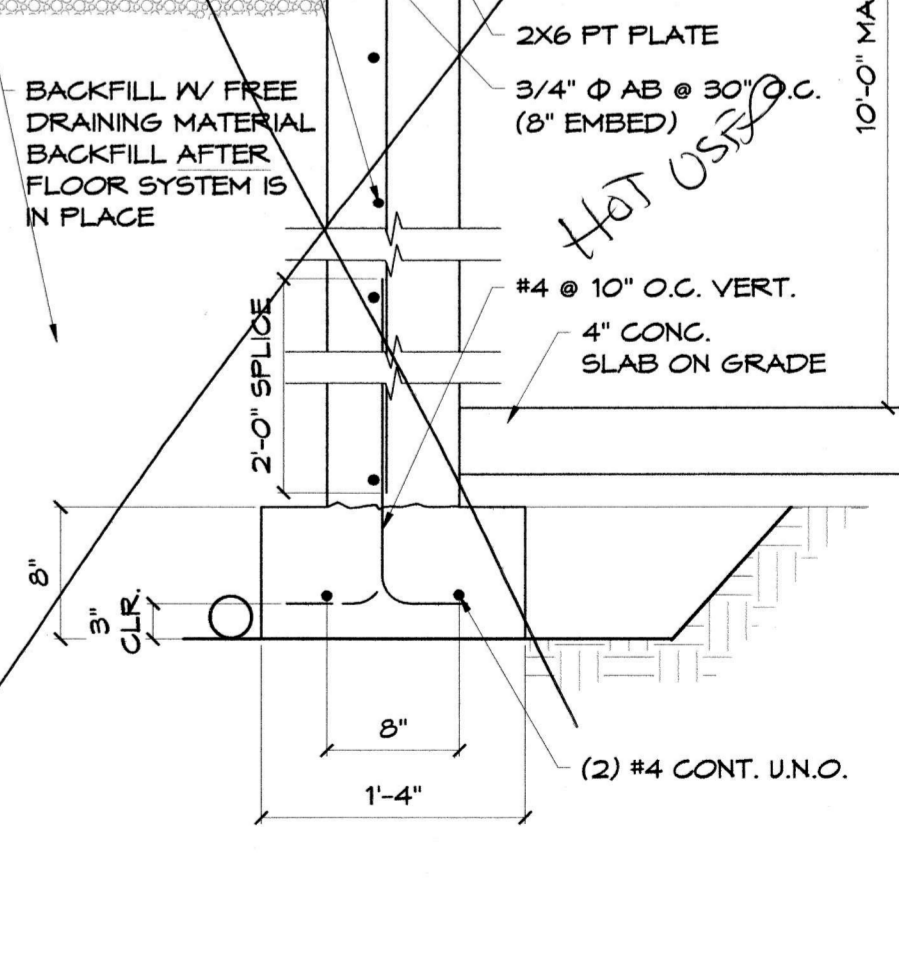
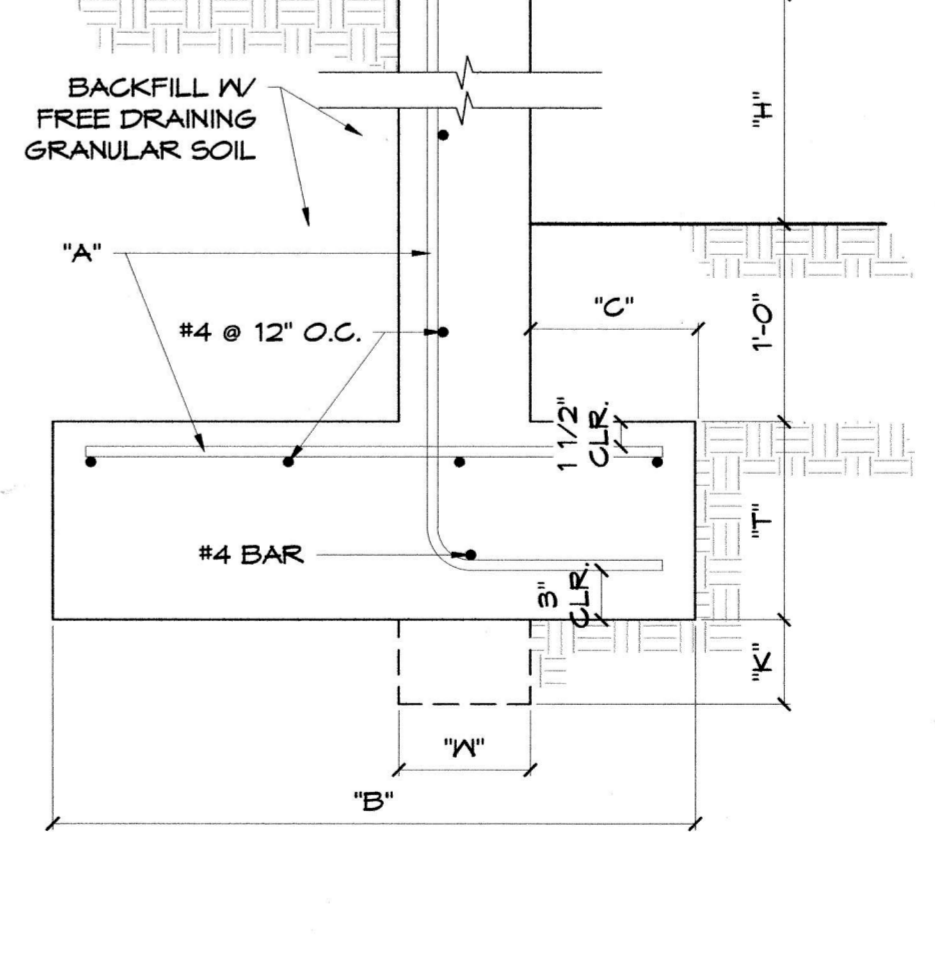
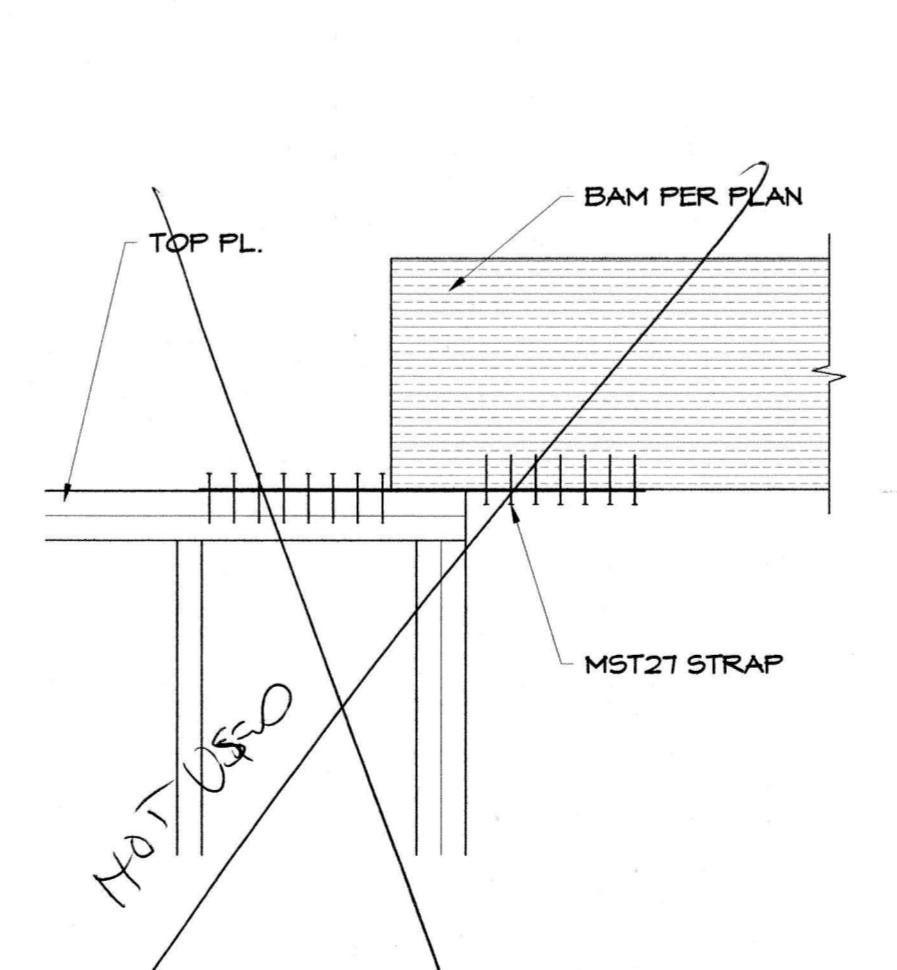
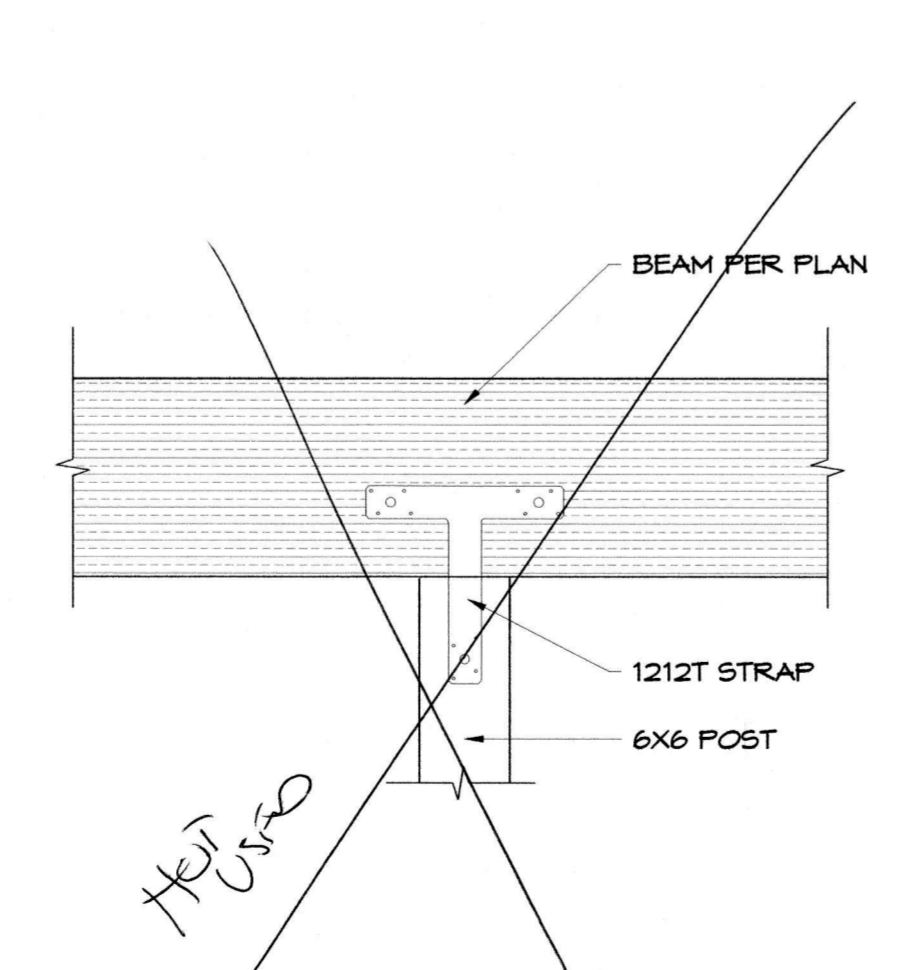
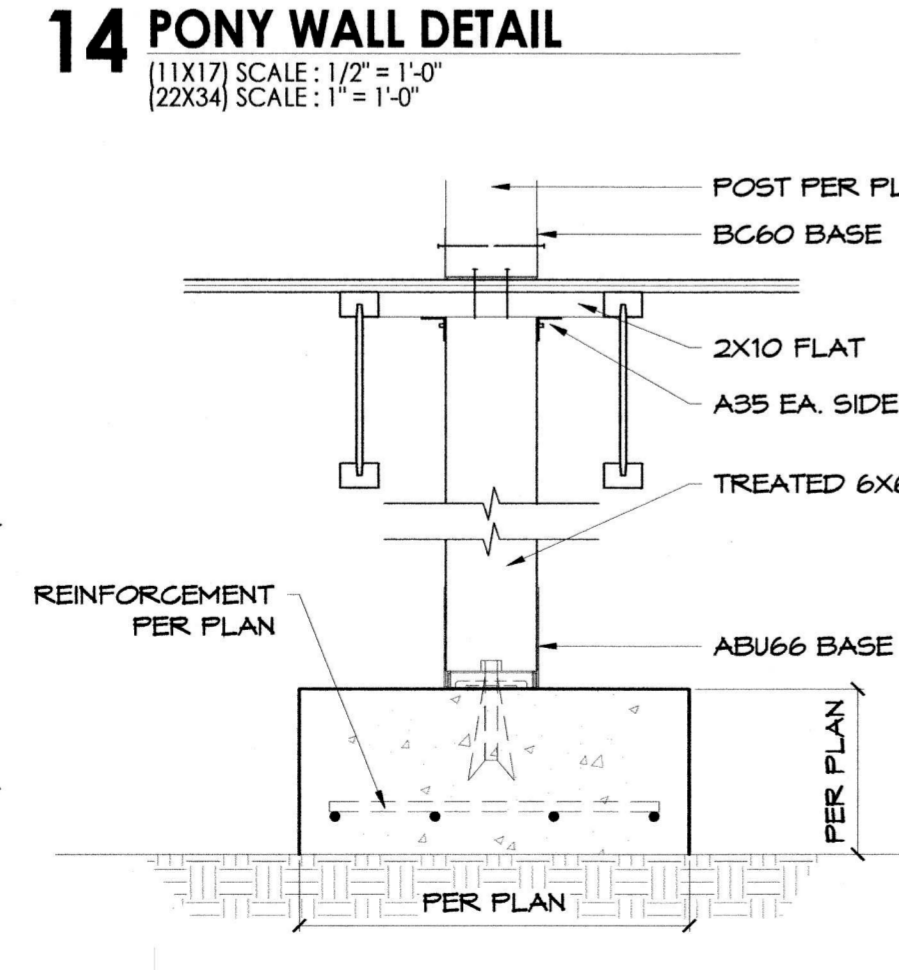
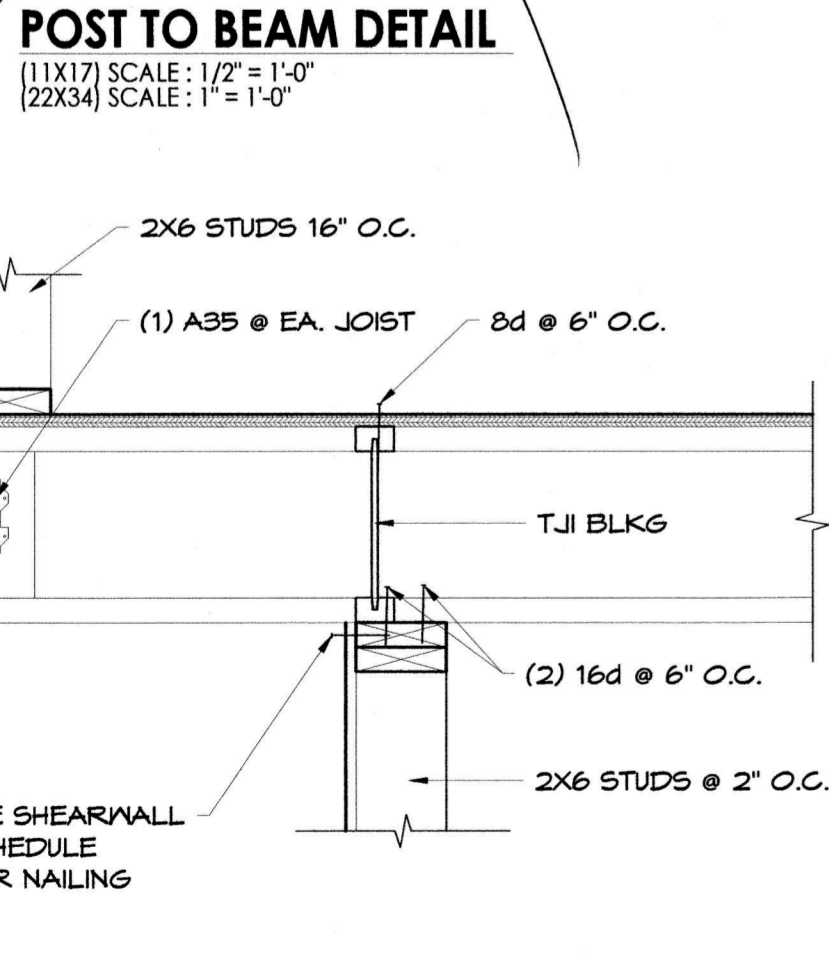
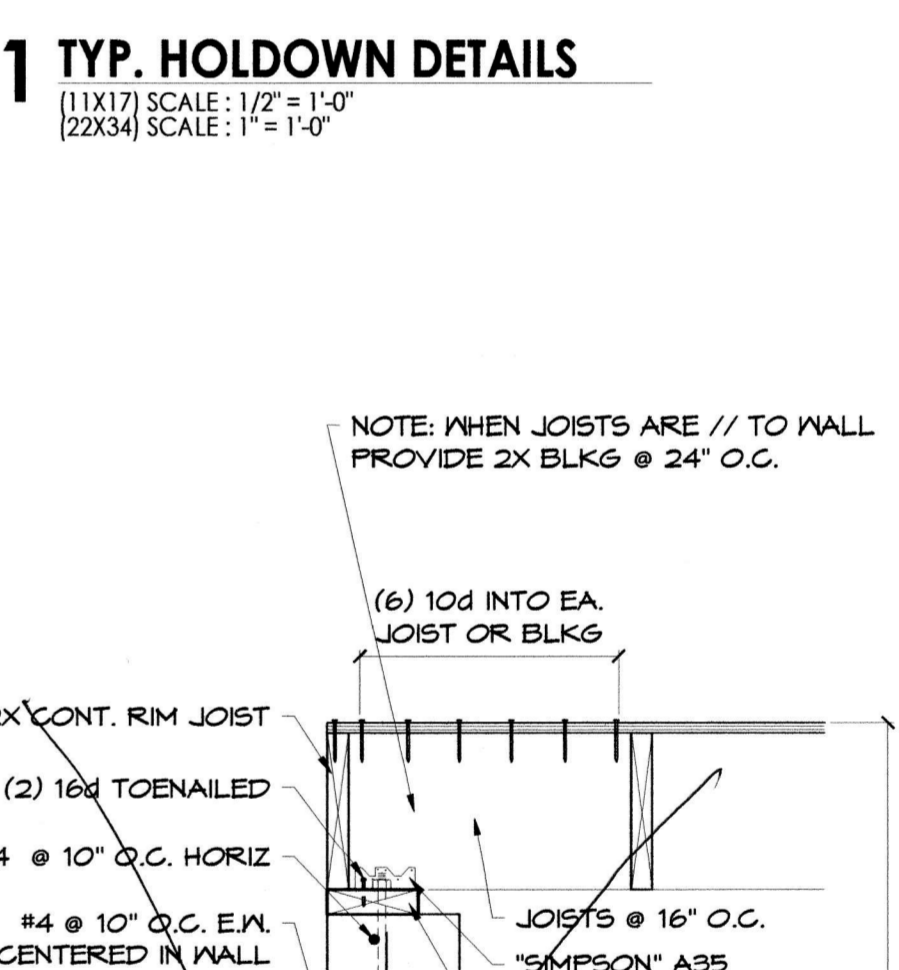
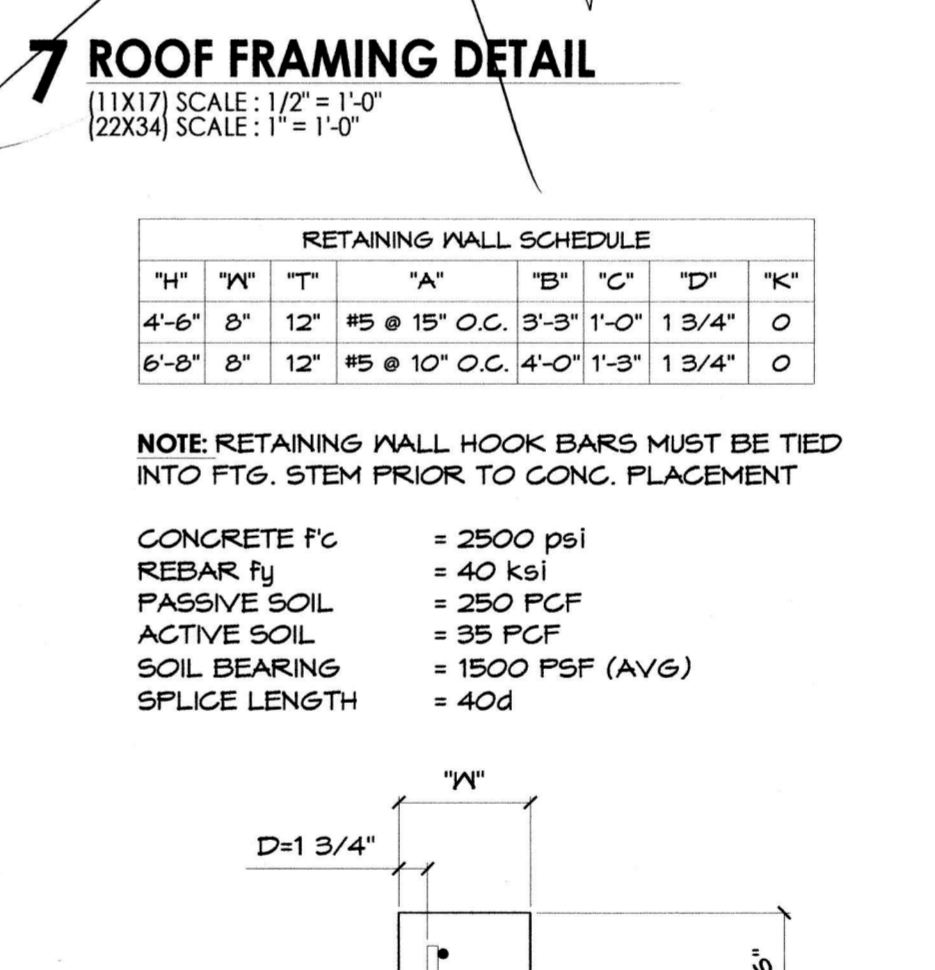
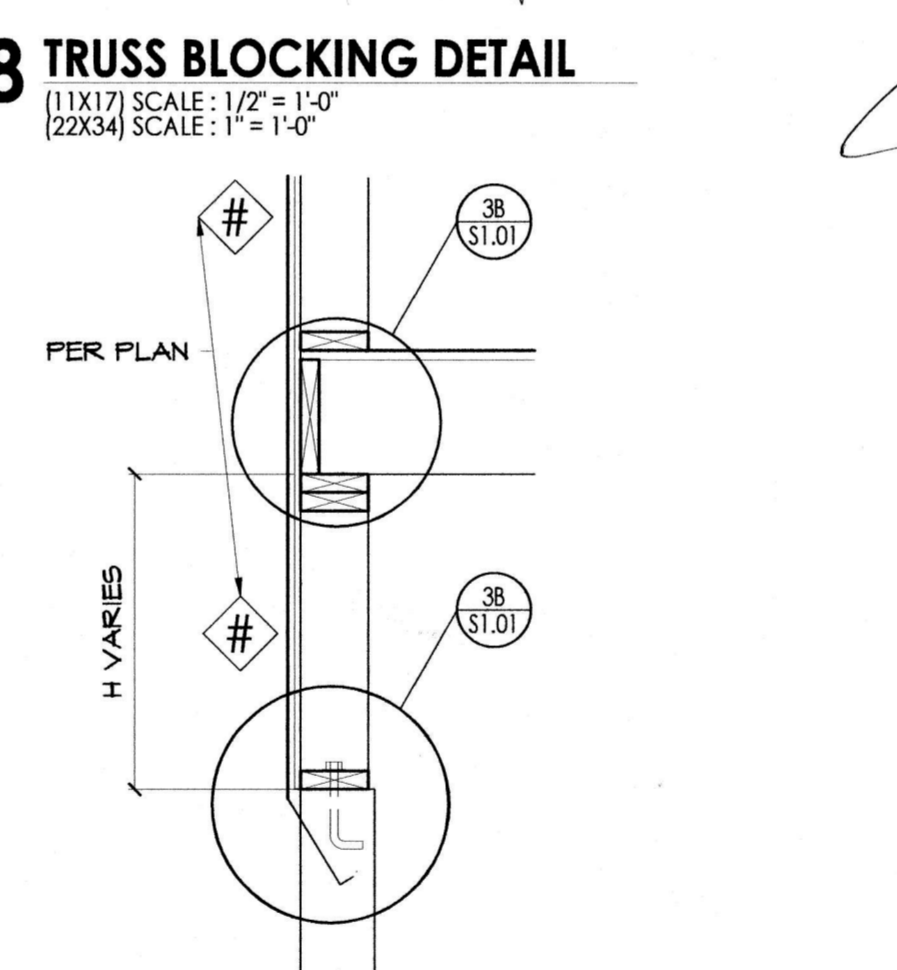
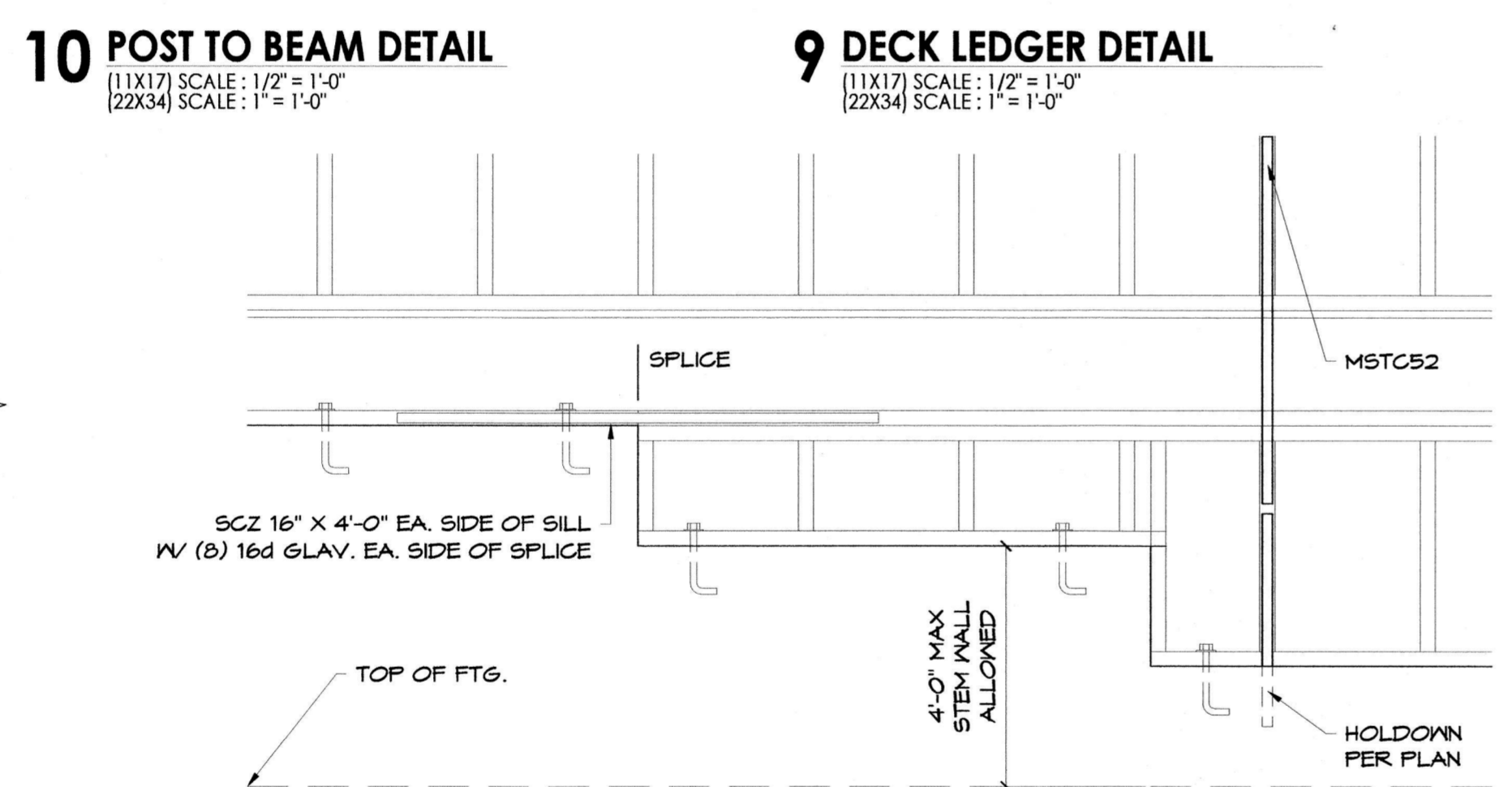
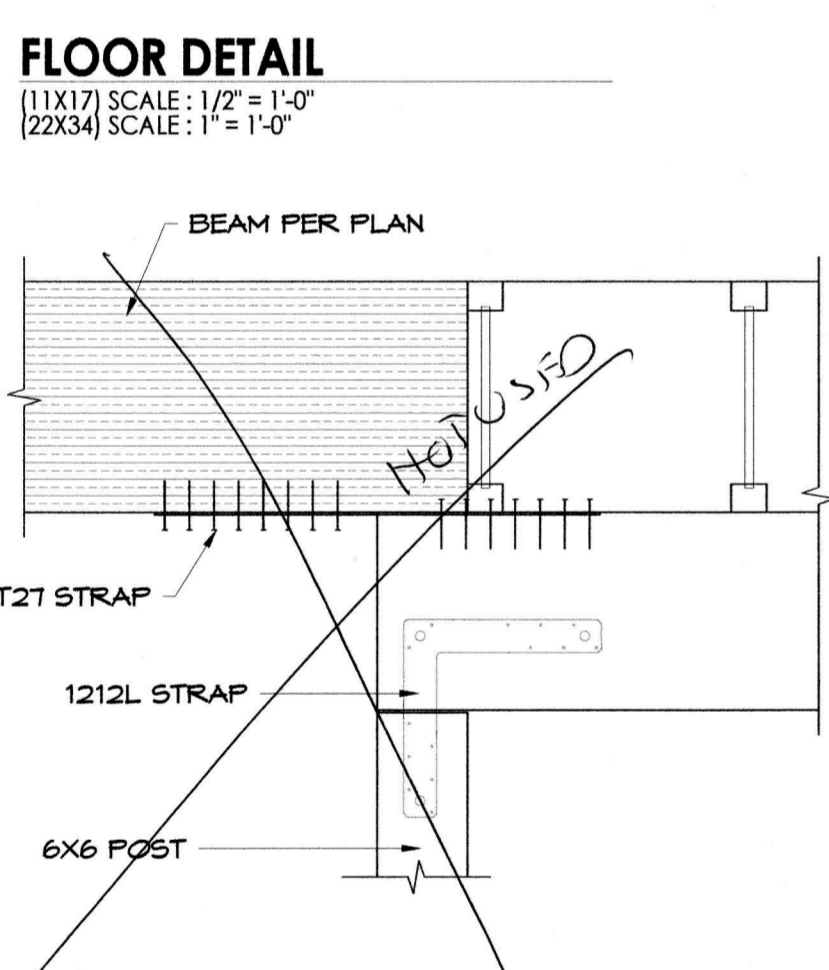
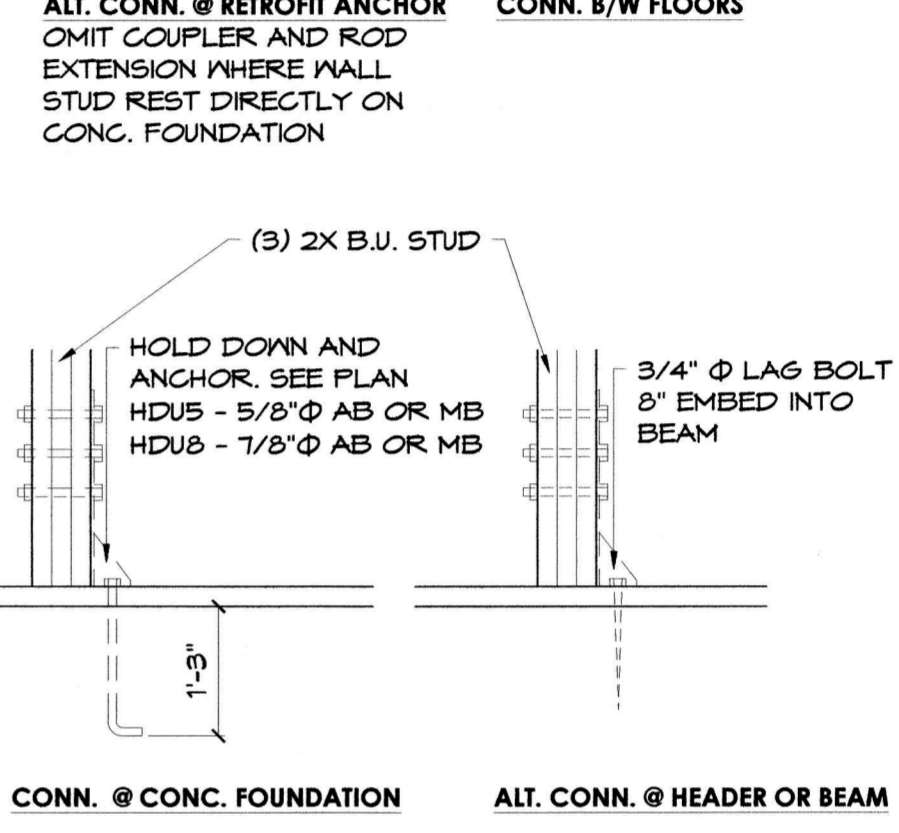
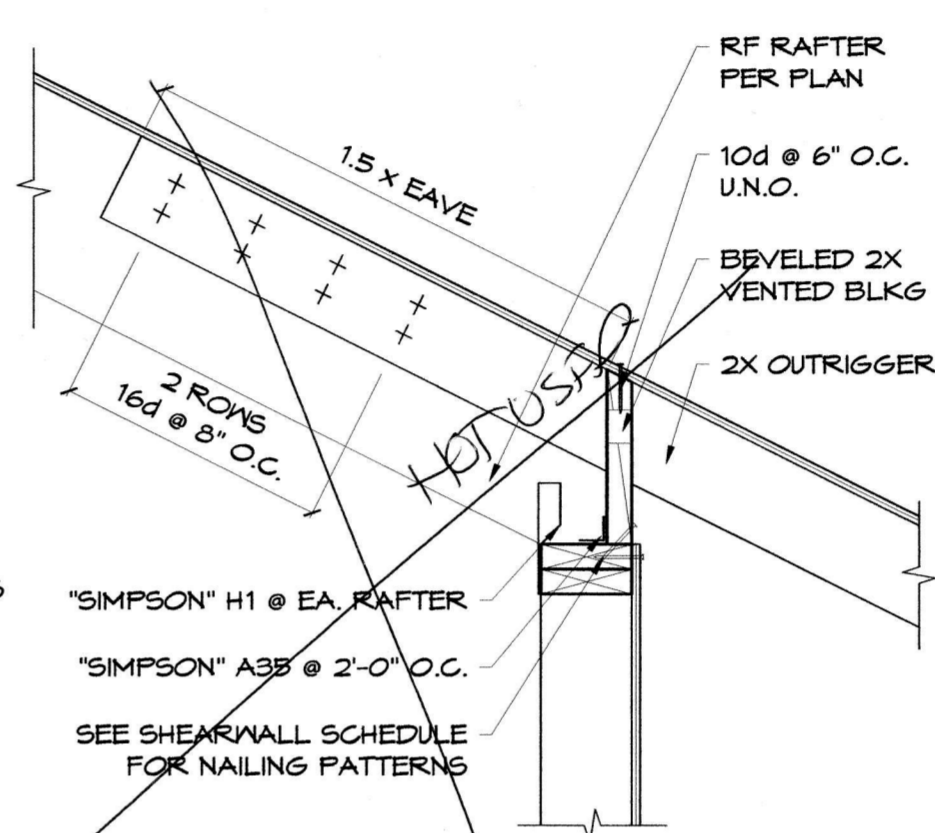
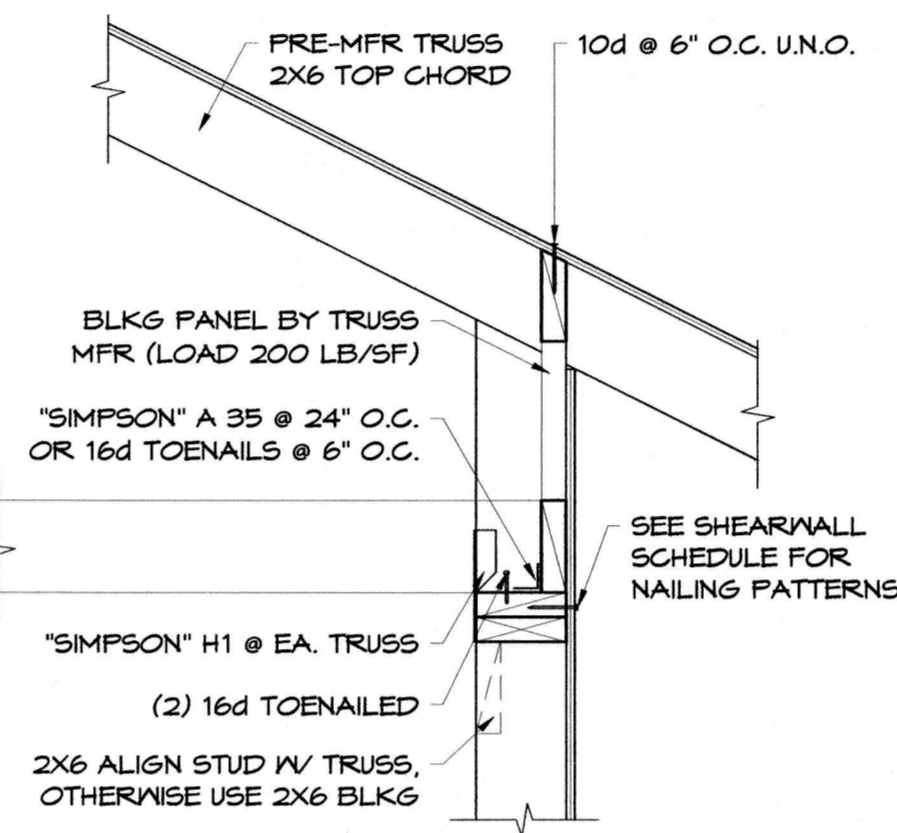
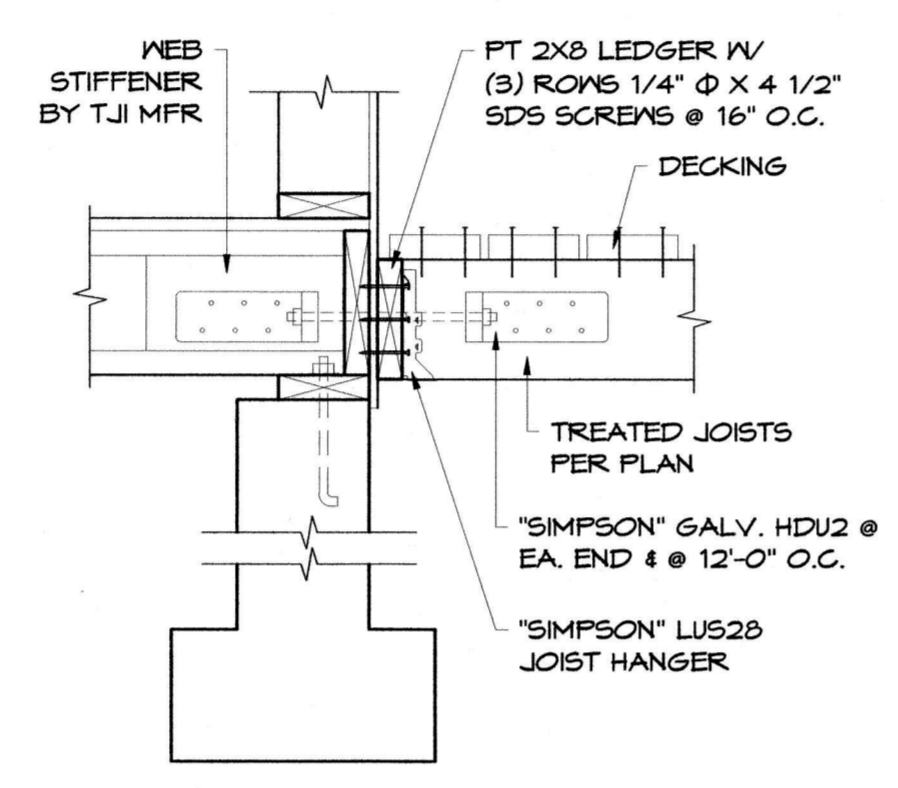
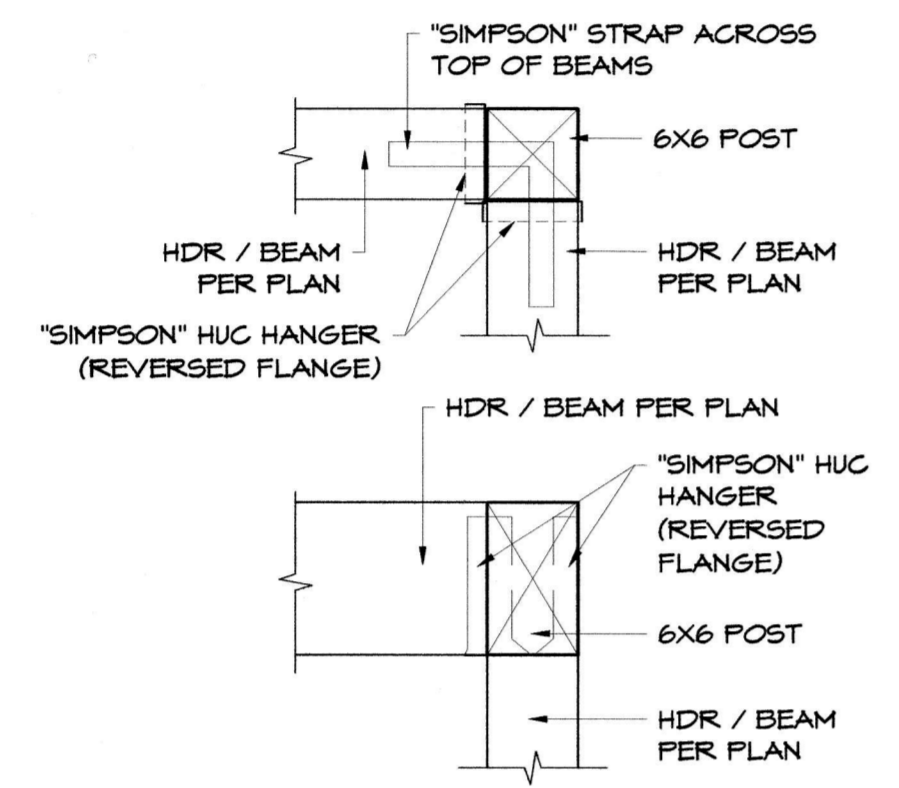
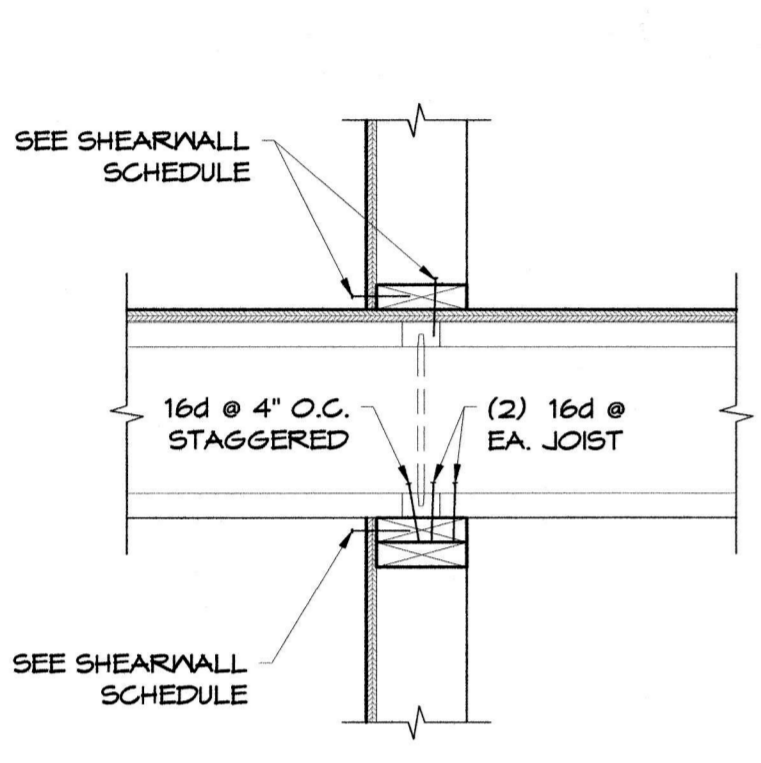
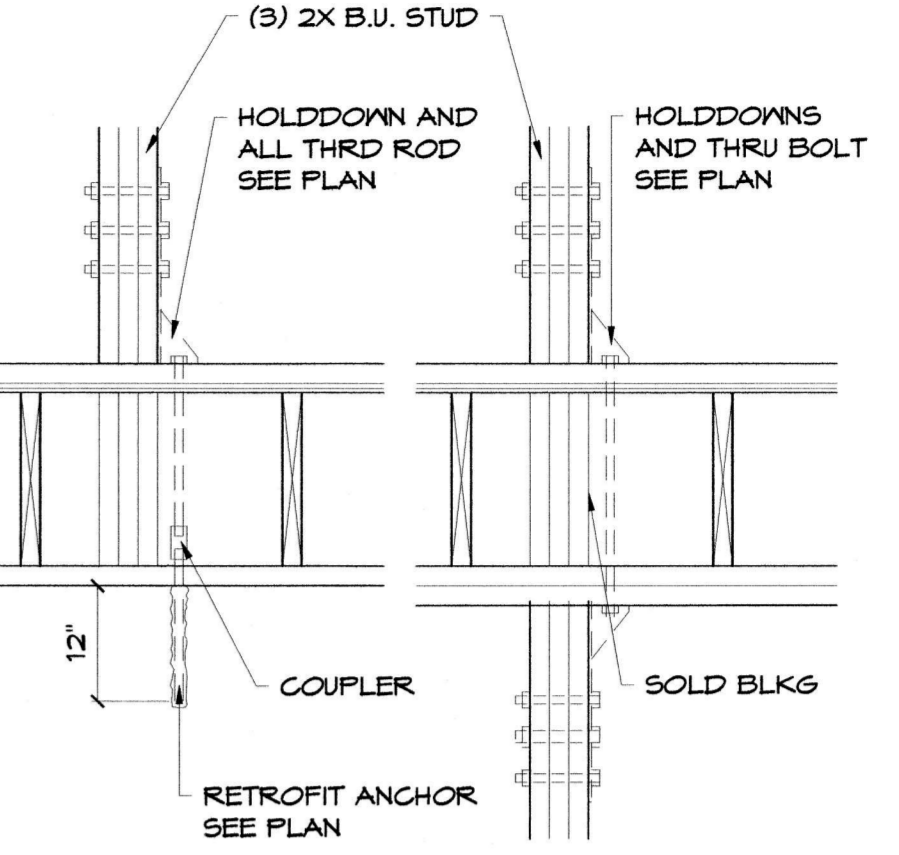
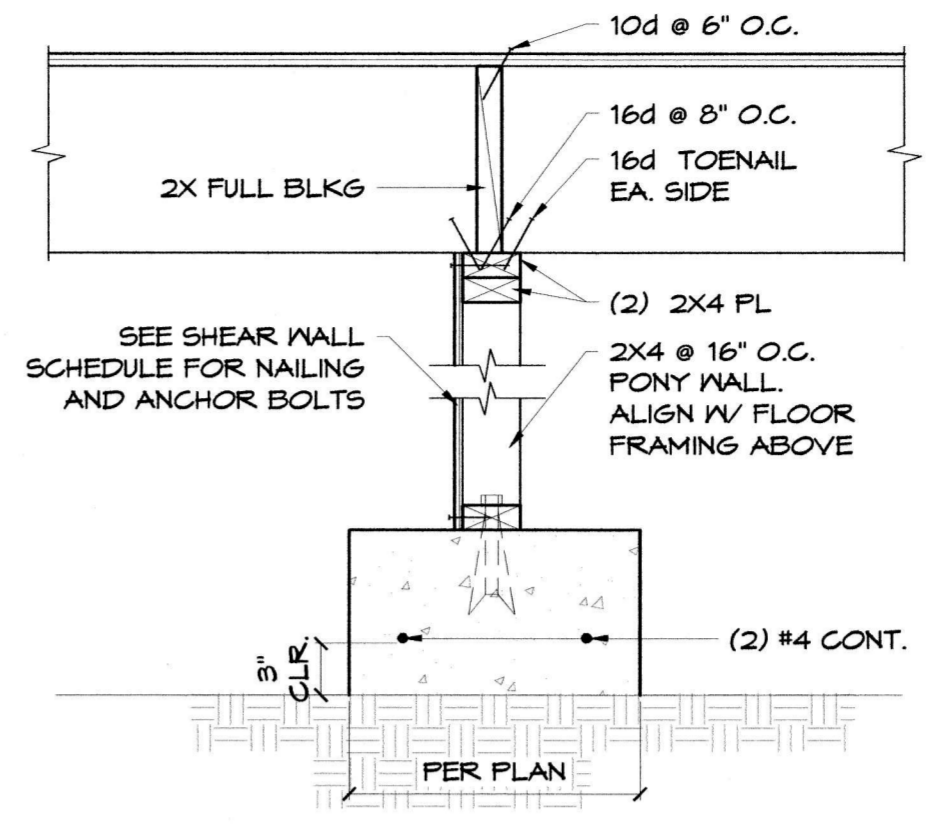
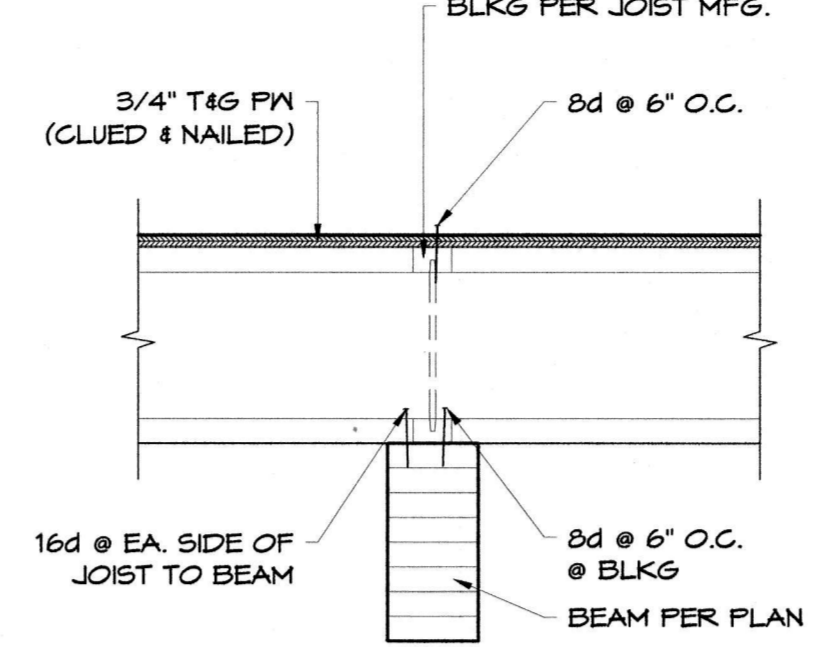
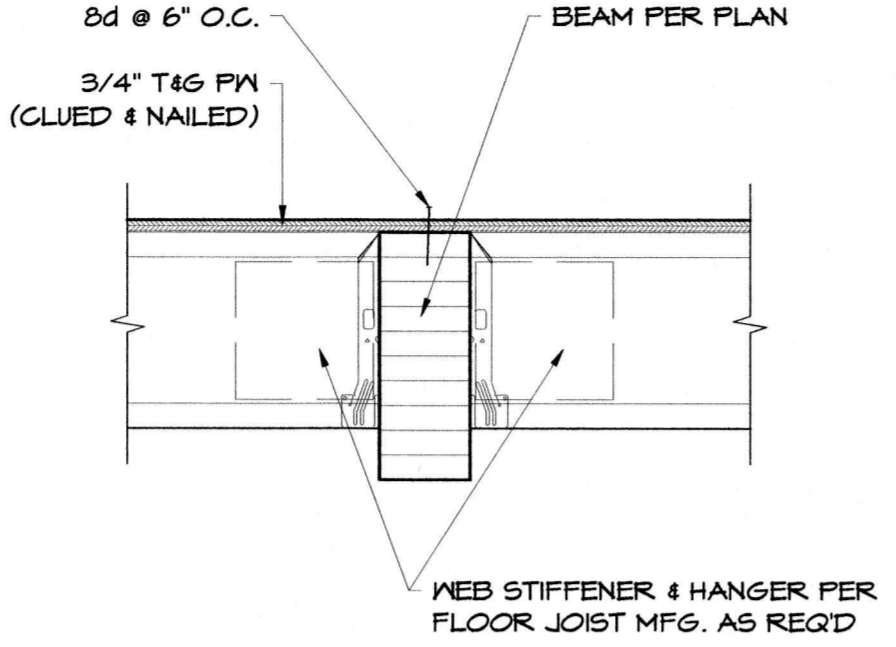
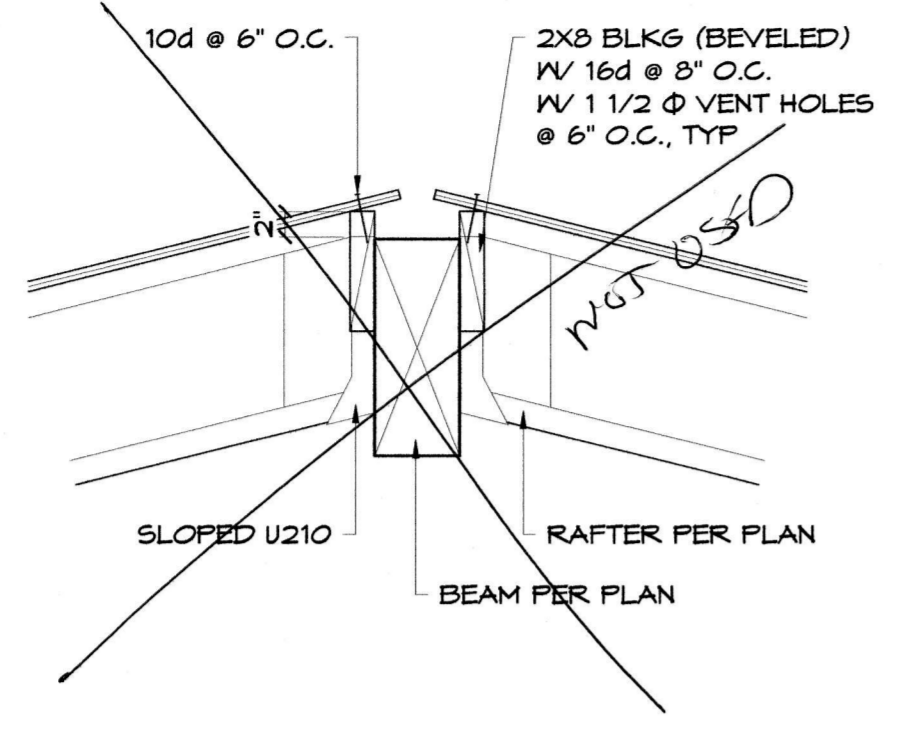
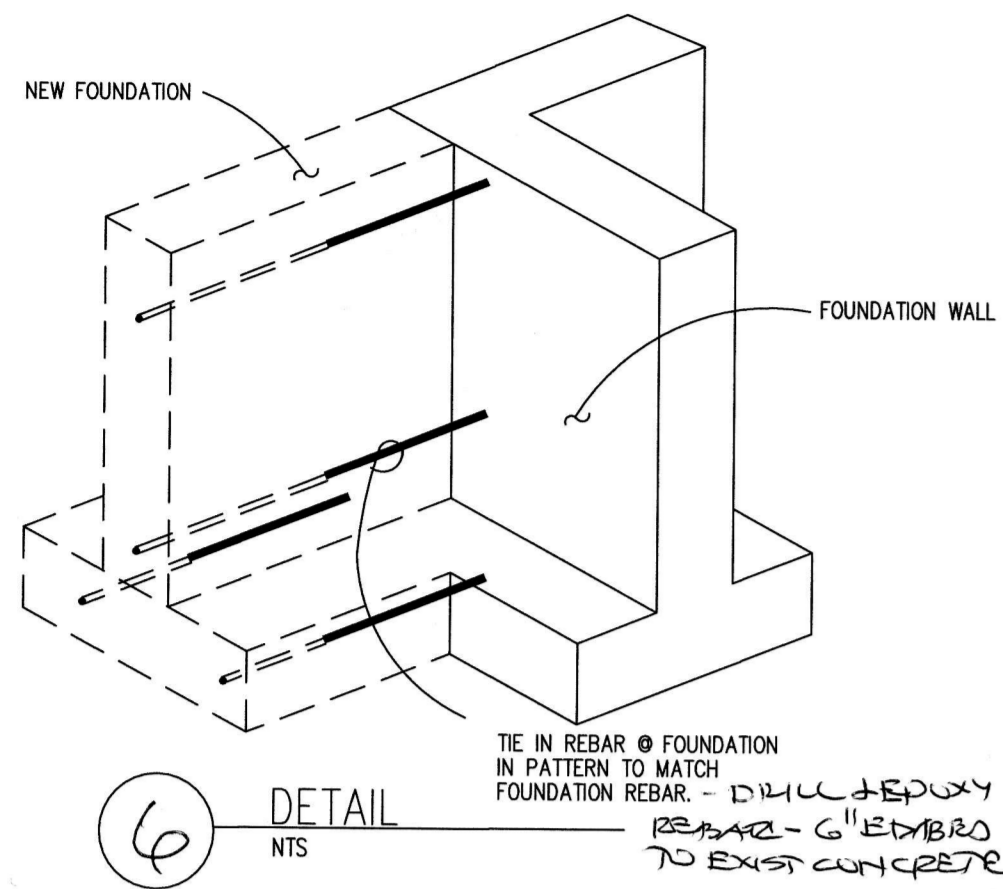
Revision table with columns: Rev., Date, and Description.

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Title: HYDRAL ADDITION, JOB #: 22091, Owner: Kroy SHAW RD, Site Address: Kroy SHAW RD, STRUCTURAL NOTES & DETAILS

Approval table with columns: Designer, Drafter, Checker, Issue Date, Revision, Project Ref., Client Ref., CAD Ref., SHEET NO., REV., and a \$1.1 fee stamp.



19 FLOOR FRAMING DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

18 POST DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

17 POST TO BEAM DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

16 WALL TO BEAM DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

13 RETAINING WALL DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

12 FOUNDATION DETAIL
 (11X17) SCALE: 1/2" = 1'-0"
 (22X34) SCALE: 1" = 1'-0"

Rev.	Date	By

christian funbo
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Title: HIDEEL ADDITION
 Owner: JOB #: 22091
 Site Address: 140A SHAKI RD
STRUCTURAL DETAILS

Designer:	CO
Drafter:	
Checker:	
Issue Date:	12/2/22
Revision:	
Project Ref.:	22091
Client Ref.:	
CAD Ref.:	
SHEET NO.	REV.
S1.2	

