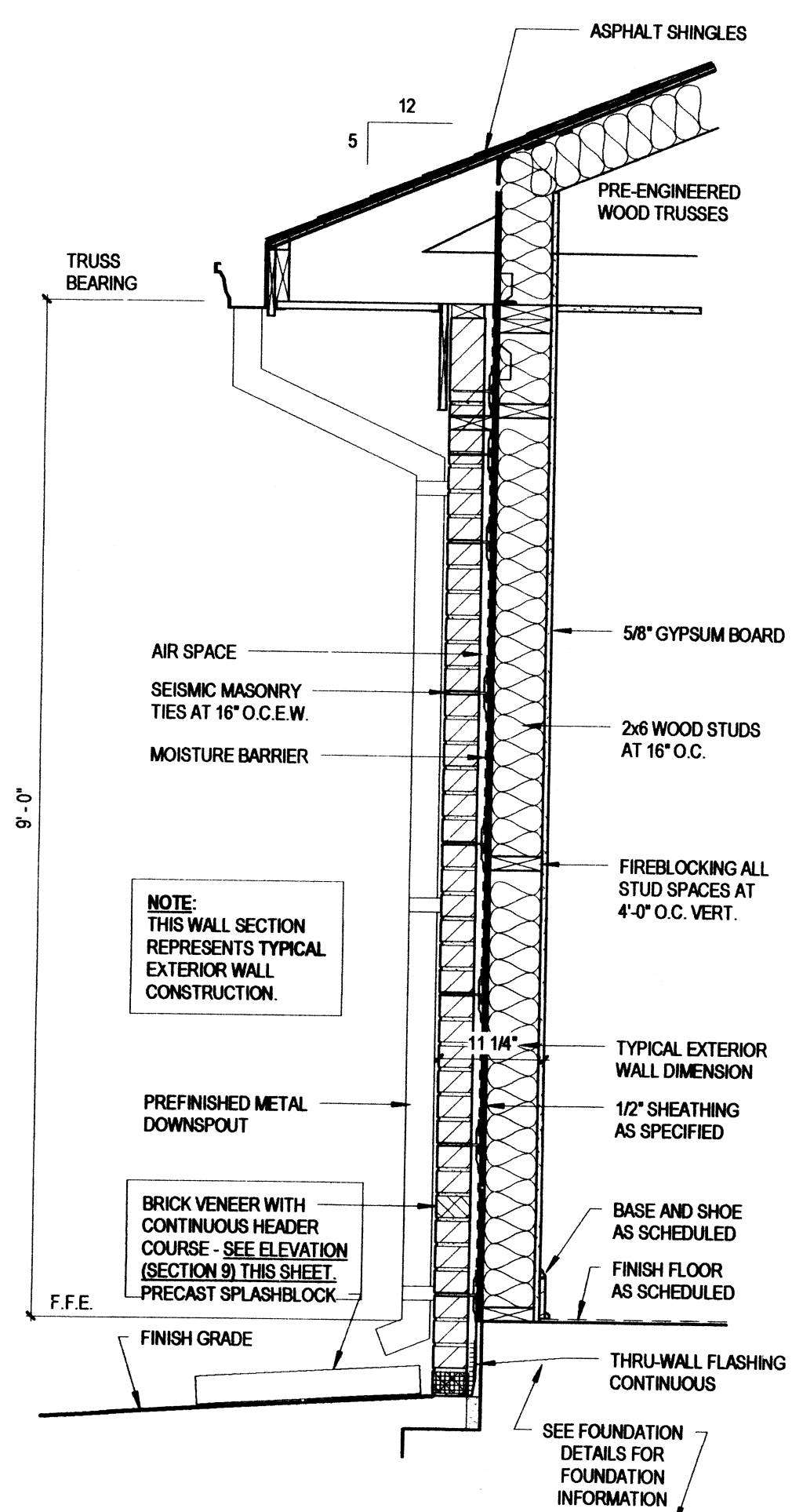
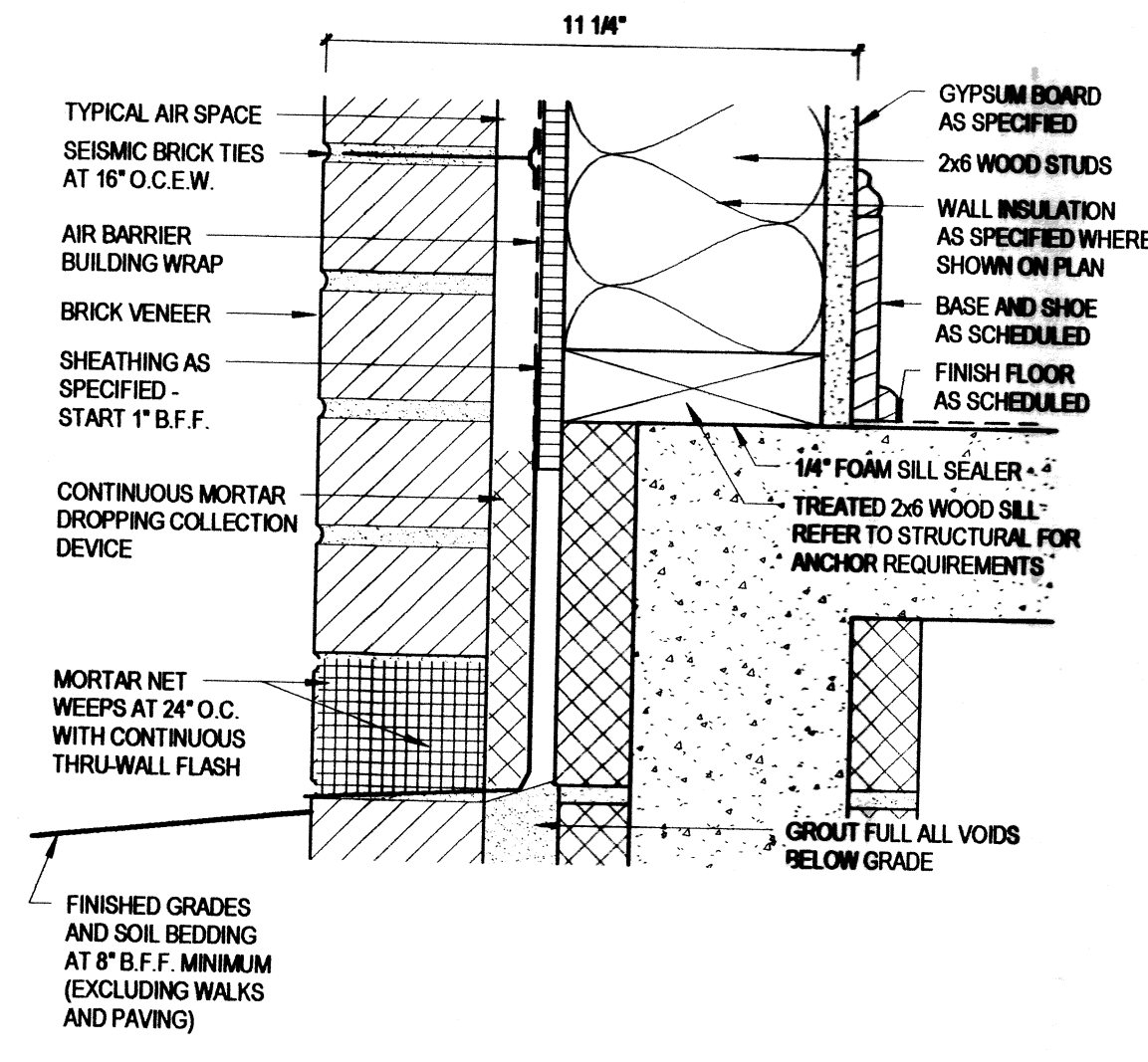


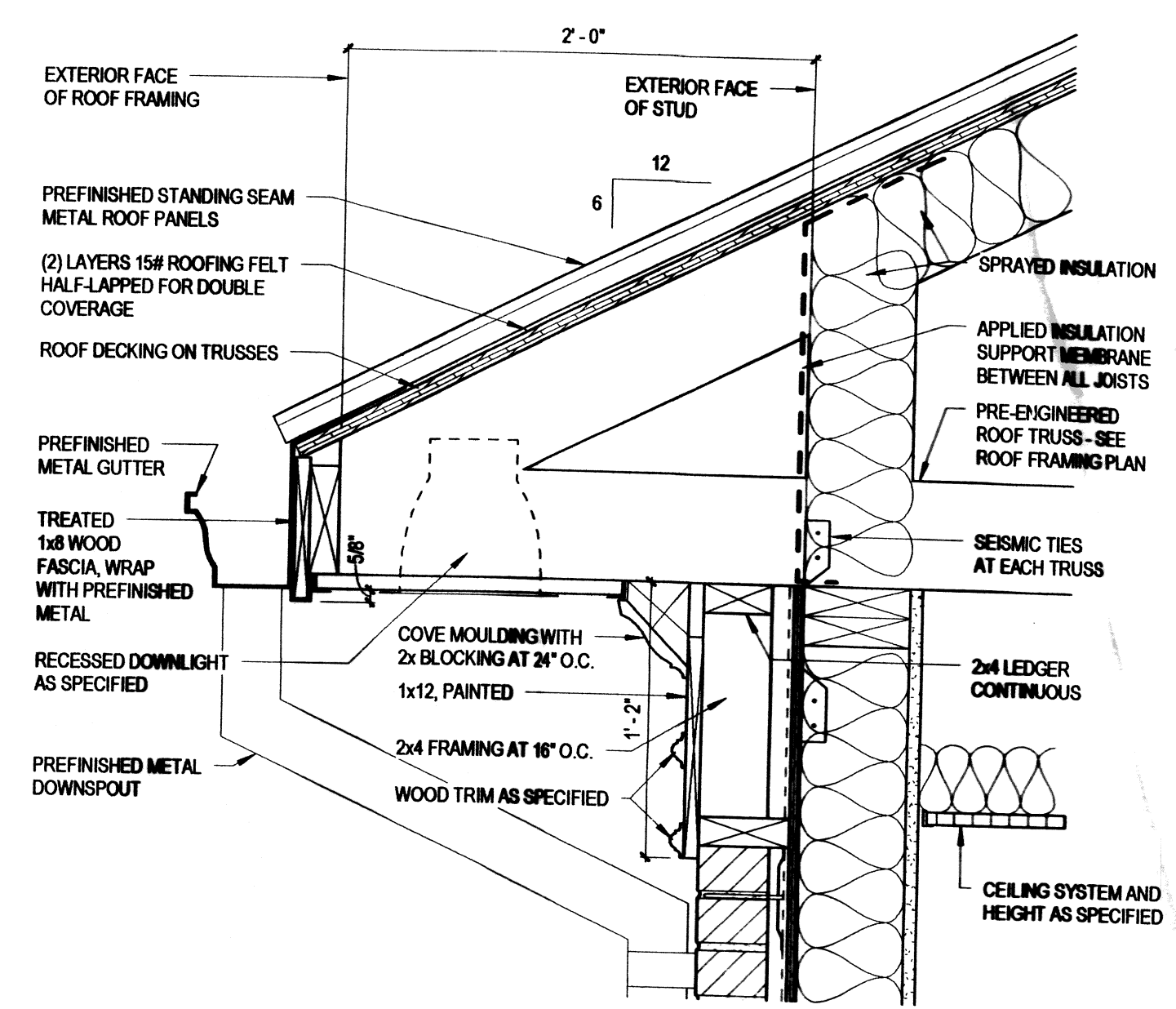
SEP 25 2012



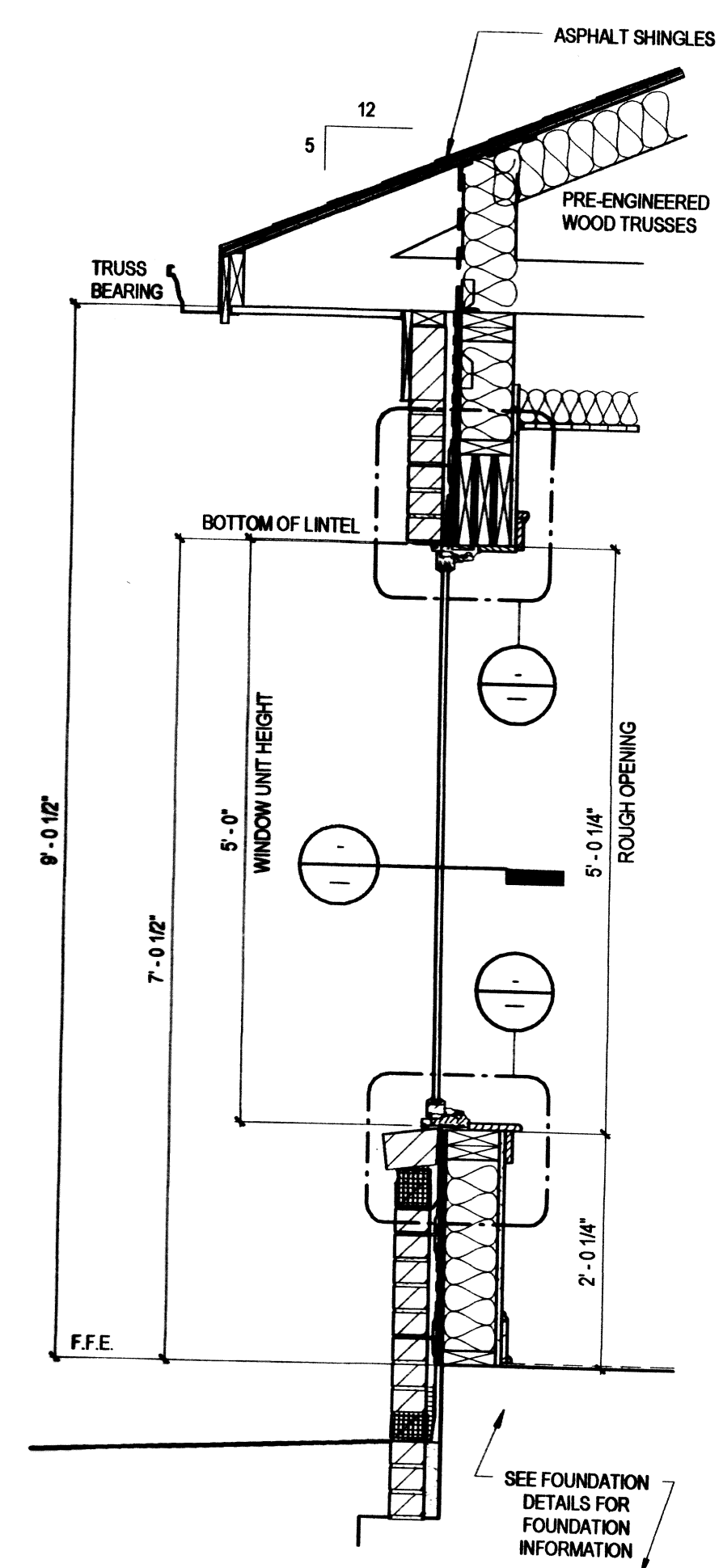
6 WALL SECTION - TYPICAL
3/4" = 1'-0"



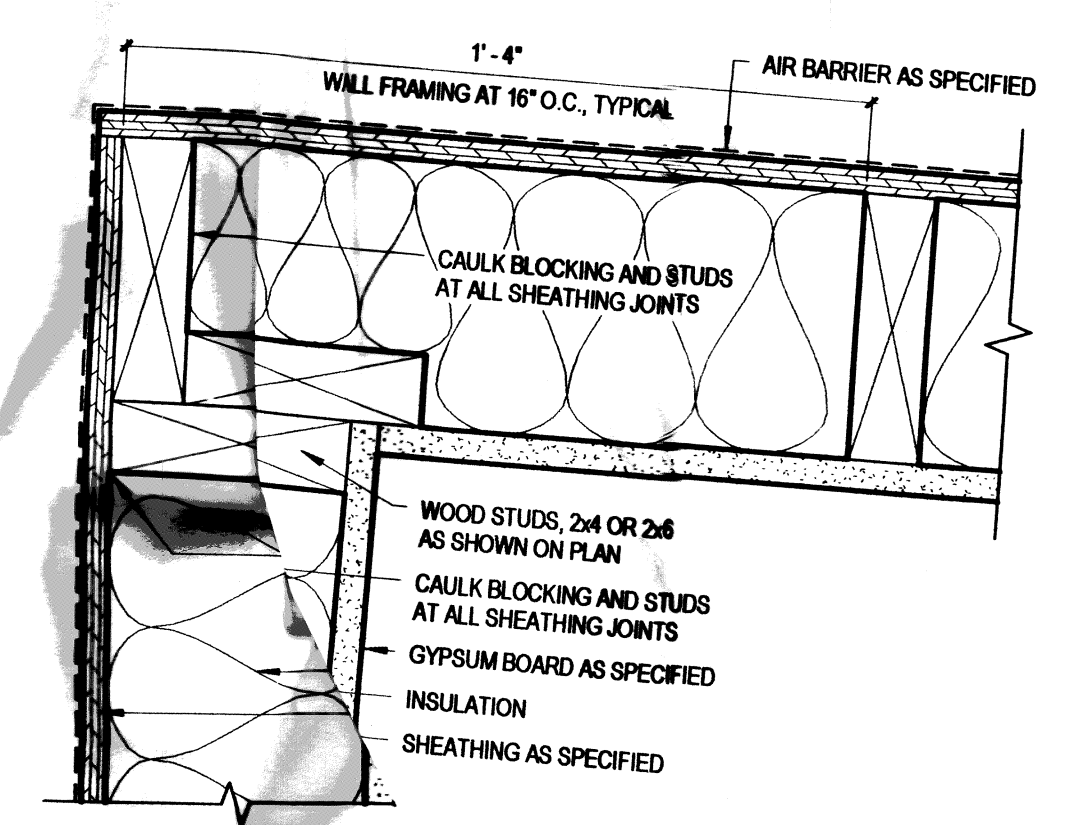
9 EXTERIOR SLAB EDGE
3" = 1'-0"



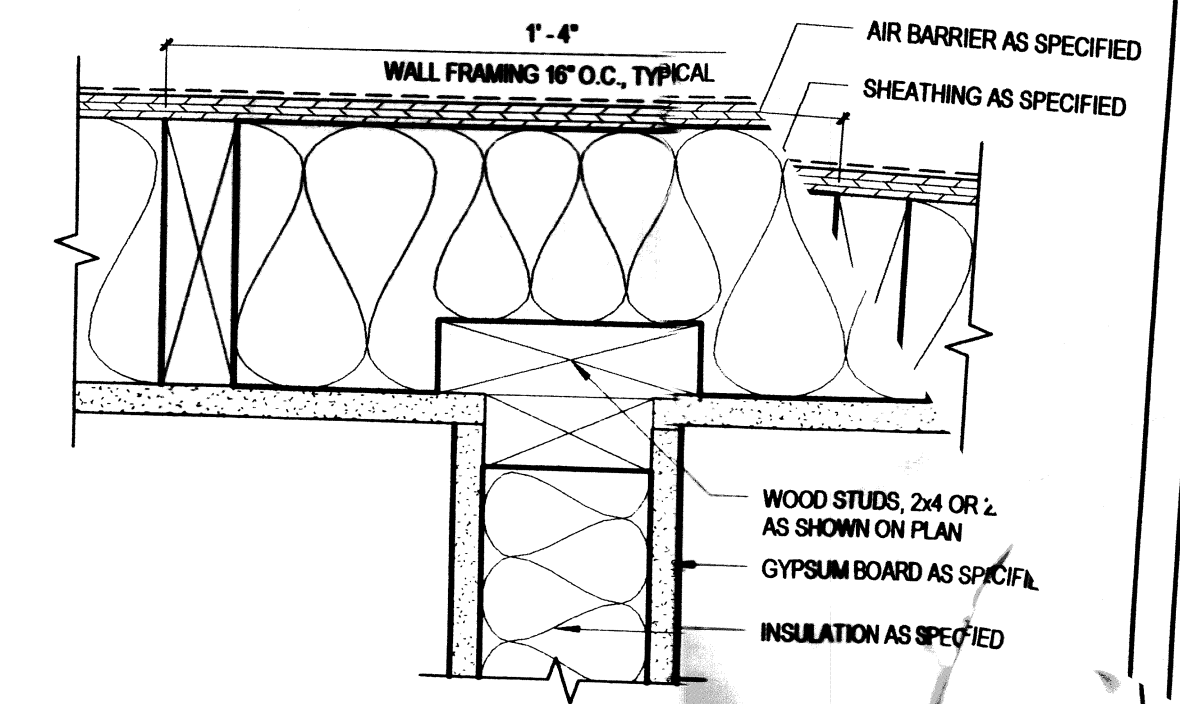
7 EAVE DETAIL - TYPICAL
1 1/2" = 1'-0"



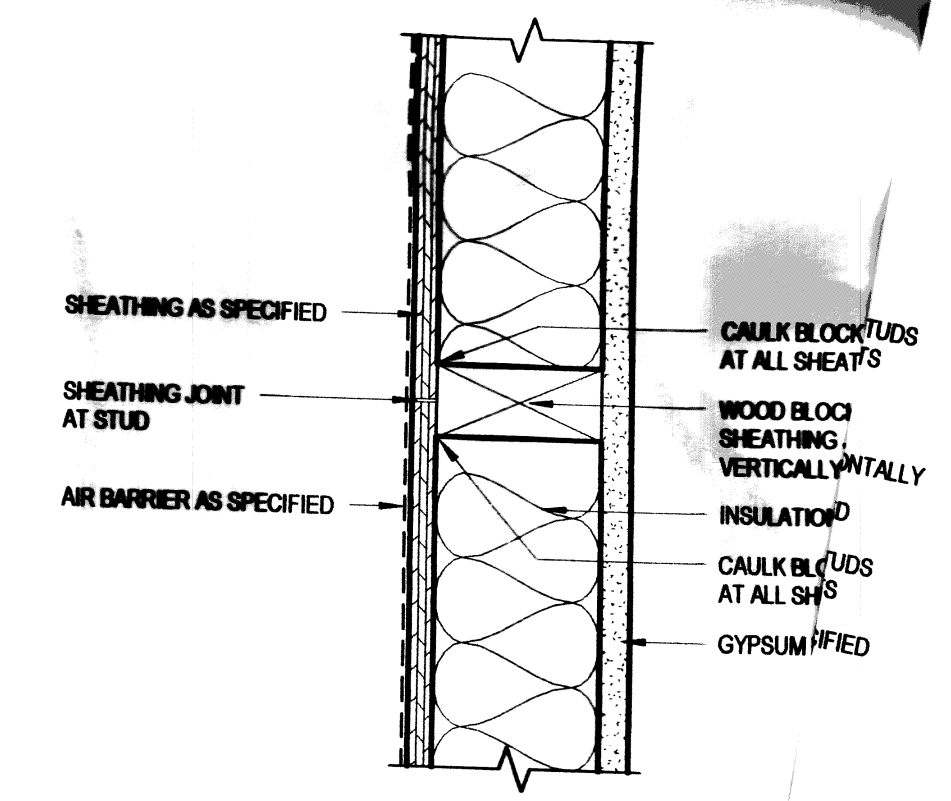
5 WALL SECTION AT WINDOW
3/4" = 1'-0"



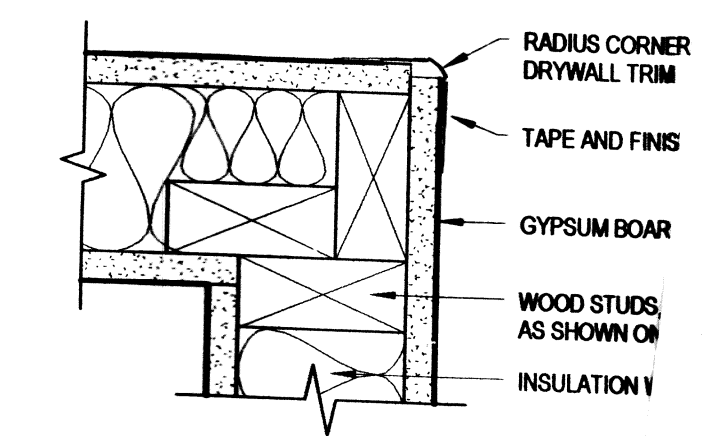
4 TYPICAL OUTSIDE CORNER
3" = 1'-0"



3 TYPICAL INSIDE CORNER
3" = 1'-0"

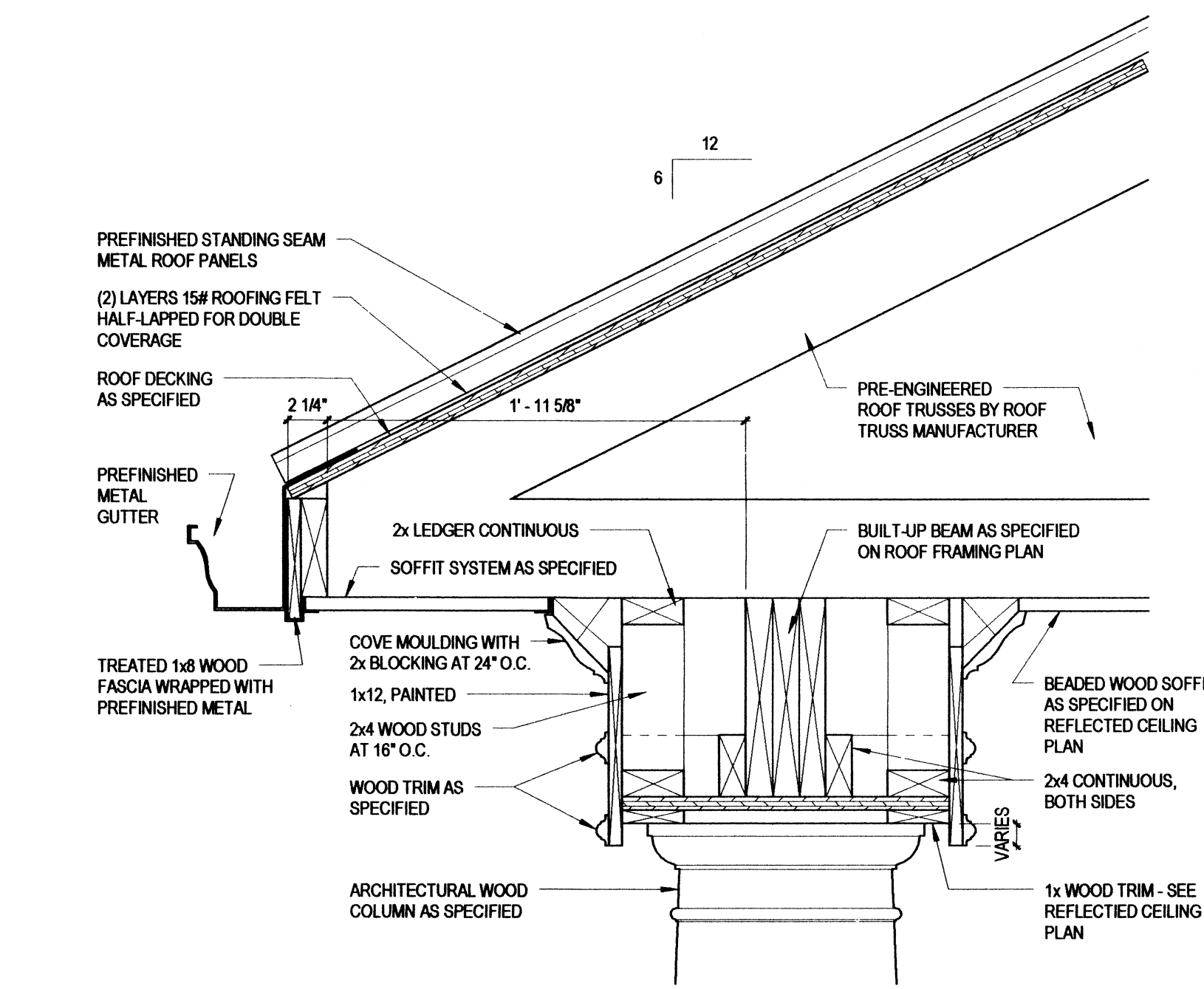


2 TYPICAL HORIZ. BLOCKING AT RING
3" = 1'-0"

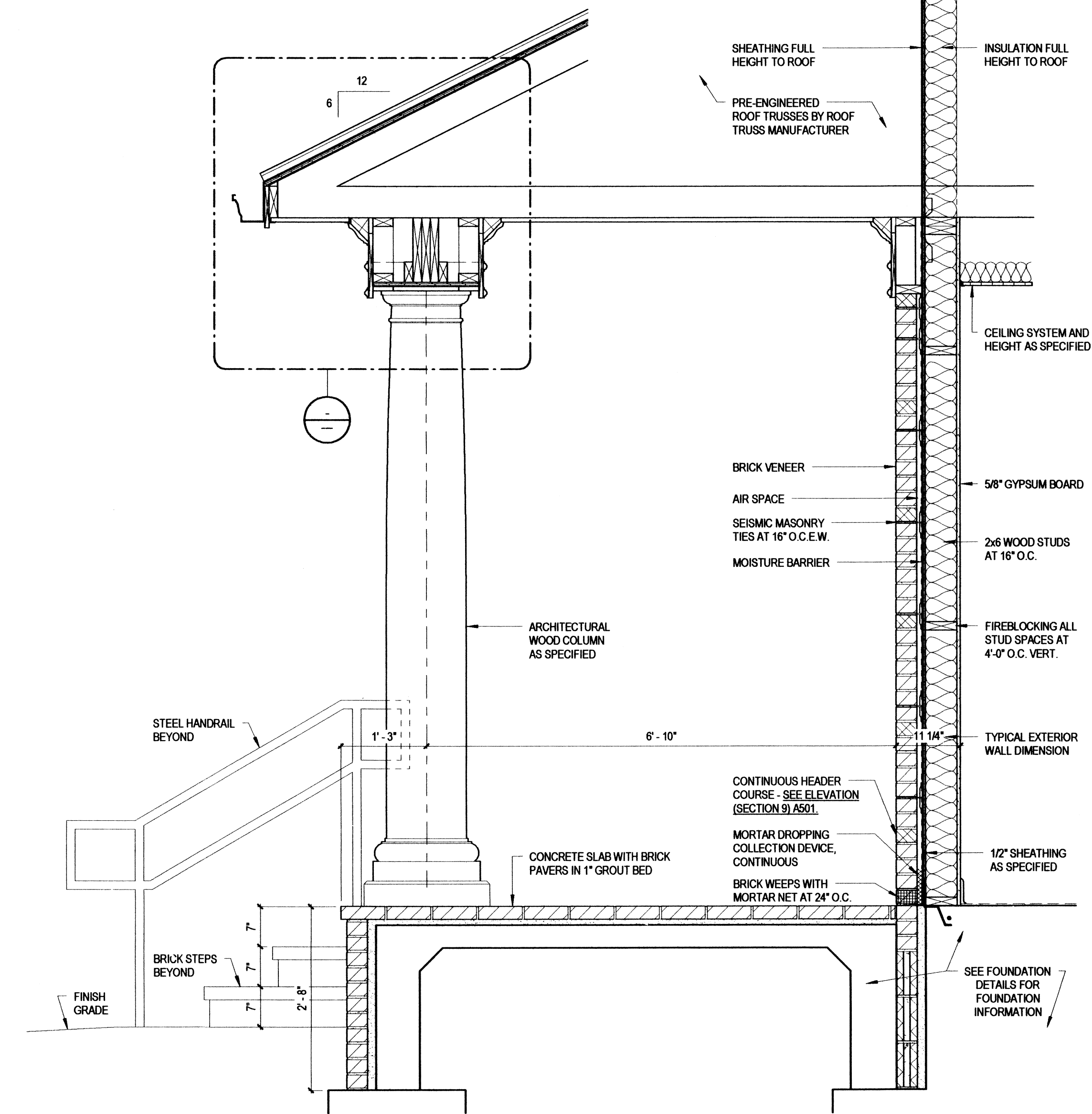


1 GYPSUM BOARD OUTSIDE
3" = 1'-0"

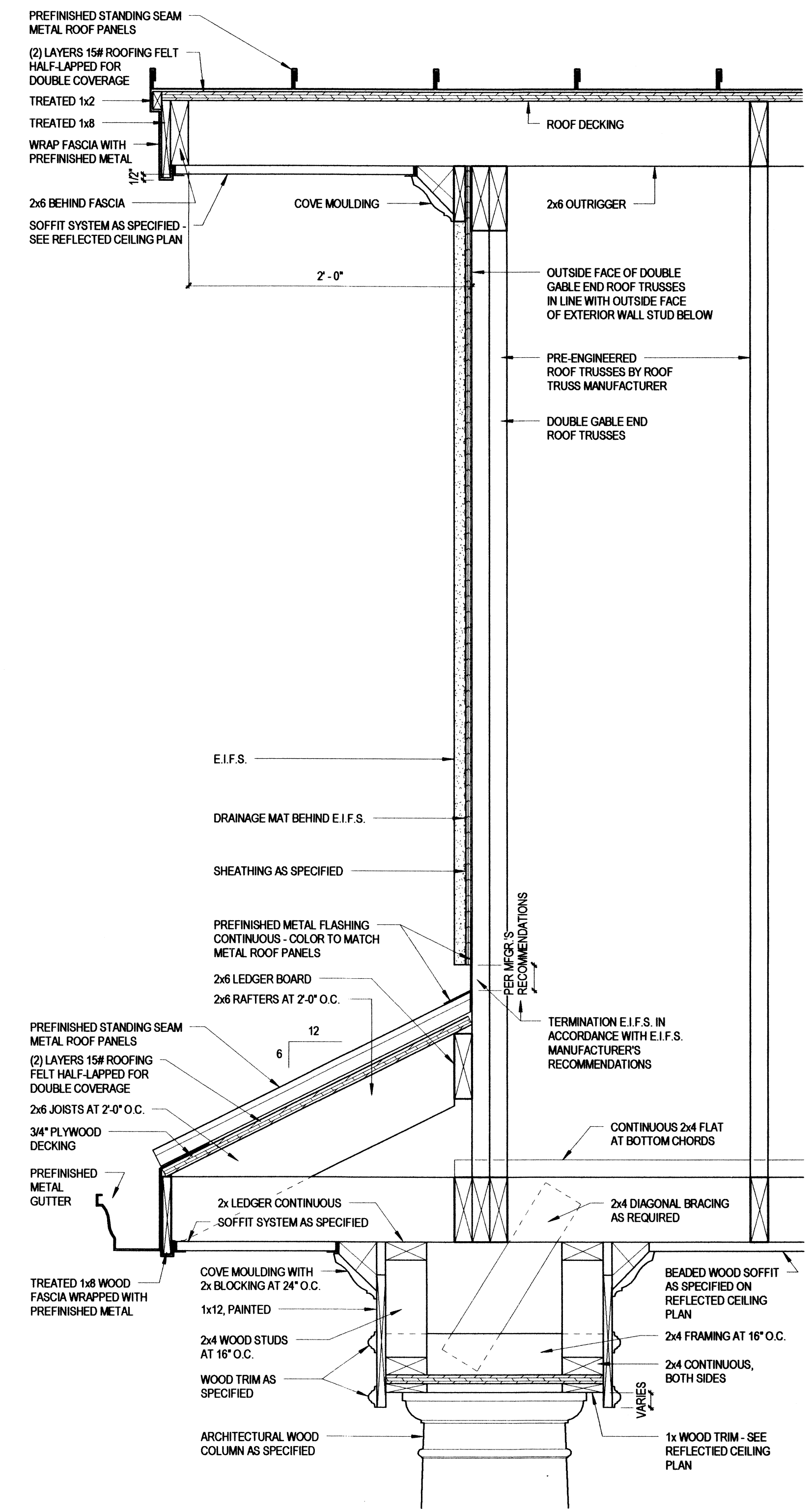
Owner
 CahoonSteeling Studio
 915 Southwest D-
 Corporate Seal
 Sheet Name: WALL SECTIONS / DETAILS
 Project No: _____ Date: 06/01/09
 Project Number: _____
 Sheet No: **A201**



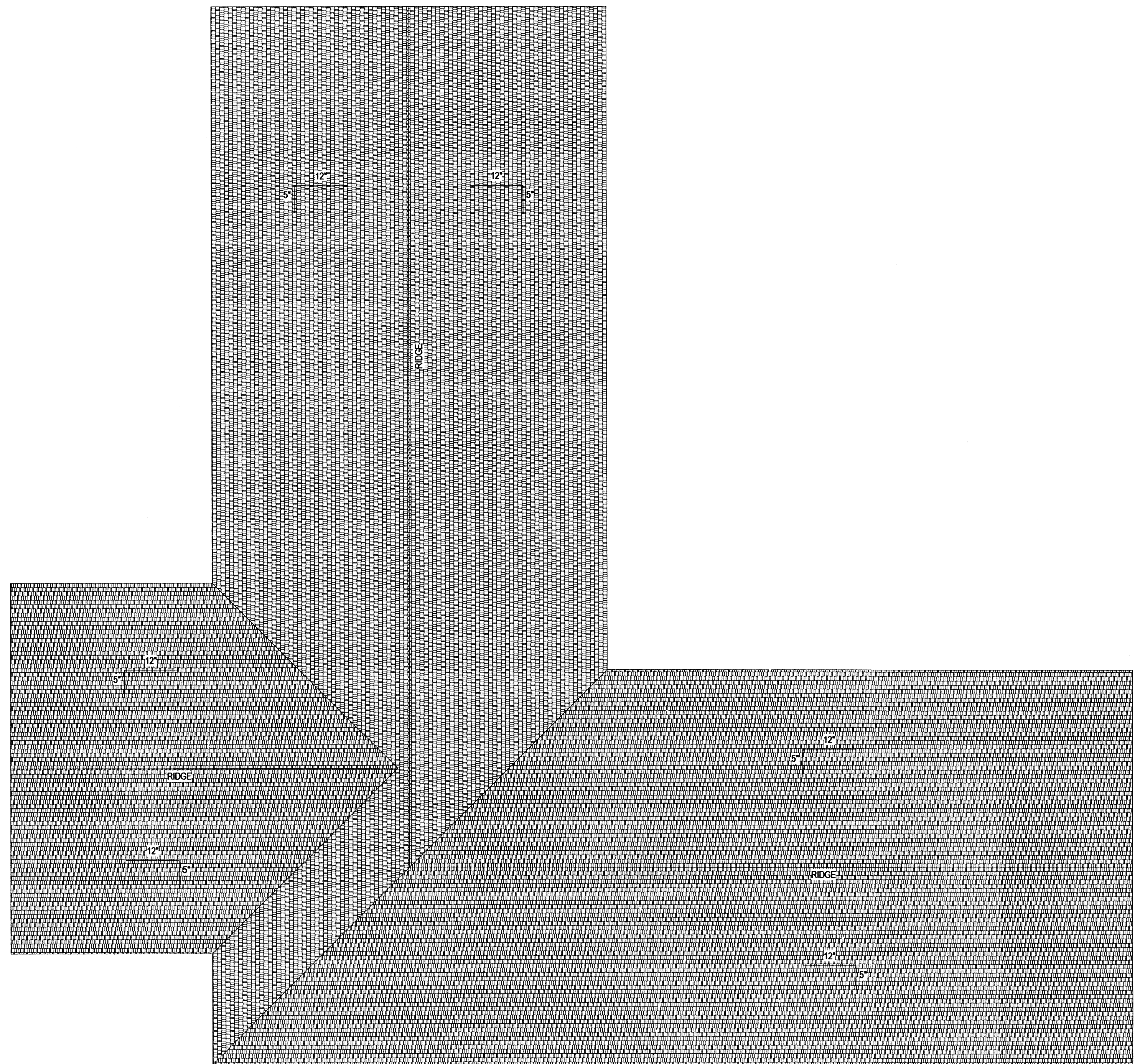
15 DETAIL - CAPITAL AT REAR PORCH
1 1/2" = 1'-0"



13 WALL SECTION - REAR PORCH
3/4" = 1'-0"



1 SECTION - FRONT ENTRY
1 1/2" = 1'-0"



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

Rev
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Co
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GENERAL NOTES
In case of conflict between the General Notes below and the specifications the more rigid requirements shall govern unless amended in writing by the Engineer.

Site selection, evaluation, and preparation is not the responsibility of the Engineer.

DESIGN DATA

- Design Codes - (All latest editions unless noted)
 - American Concrete Institute (ACI)
 - American Institute of Steel Construction (AISC)
 - American Welding Society (AWS)
 - American Iron and Steel Institute
 - Specifications for Design of Cold Formed Steel Structural Members
 - Southern Standard Building Code (SSBC) - 1994 Edition
 - American Society of Civil Engineers (ASCE 7-05 formerly ANSI A58.1-1982)
 - Minimum Design Loads for Buildings and Other Structures
- Material Specifications and Design Stresses
 - Anchor Bolts
 - Embedded Steel $F_y = 36,000$ psi (ASTM A36)
 - Cast-in-place Concrete
 - Footings $f_c = 3,000$ psi at 28 days at 5' slump
 - Interior Slabs-On-Grade: $f_c = 4,000$ psi at 28 days at 5' slump
 - EXT. Exposed Concrete, (air entrained) $f_c = 4,000$ psi at 28 days at 5' slump
 - Reinforcing Steel
 - #4 and larger bars $F_y = 60,000$ psi (ASTM A615, Grade 60)
 - Welded Plain Wire Fabric 6x6 W2 9x2.9 SHEET MESH ONLY

GENERAL NOTES

- Design Soil Bearing Pressures
 - Footings on natural soils are designed for a total contact bearing pressure of 1,750 psf or more at bottom of footings.
 - Footings on compacted engineered fill are designed for a minimum soil bearing pressure of 1,750 psf. (FIELD VERIFY)
 - If the soil at the footing bearing elevations shown is of questionable bearing value, the Engineer or Architect shall be notified immediately.
 - After footing excavations are completed and before placing concrete, the excavated areas shall be inspected and approved by the Owner the excavated areas shall be inspected and approved by the Owner
- Reactions
 - Column reactions as provided by pre-engineered building manufacturer.
 - See Seismic Loads

GENERAL INFORMATION

- All columns shall be centered on grid lines unless noted otherwise.
- All column footings shall be centered on columns unless noted otherwise.
- All wall footings shall be centered on walls unless noted otherwise.
- Unless otherwise noted or detailed, concrete pads for mechanical equipment shall be 4" thick (minimum) and reinforced with #3 at 12" o.c. each way centered.
- Substitution of expansion anchors for embedded anchors shall not be permitted.
- Backfill both sides of all foundation and retaining walls equally until low side is up to the finish grade. Do not backfill any walls until concrete has reached its specified 28-day compressive strength.
- A 6-mil polyethylene film vapor barrier shall be placed below all interior slabs-on-grade.
- Provide a 4" clean medium to coarse sand or gravel compacted drainage fill below all interior slabs-on-grade unless noted or detailed otherwise.

CAST-IN-PLACE CONCRETE

- Arrangement and bending of reinforcing steel shall be in accordance with ACI detailing manual, latest edition.
- Reinforcing steel shall be new and all bars shall be deformed.
- Where reinforcing bars are shown continuous, lap bars 48-bar diameters at tension, or 24-bar diameters at compression splices respectively (12" minimum) 48-bar diameter lap required @ all grade beams.
- Provide suitable wire spacers, chairs, ties, etc., for supporting reinforcing steel in the proper position while placing concrete. Brick supports are NOT ACCEPTABLE.
- Concrete protective covering for reinforcement at surfaces not exposed directly to the ground shall be 3/4" for slabs, joists, and walls and 1-1/2" for beam stirrups and column ties or spirals.
- Concrete protective covering for reinforcement at surfaces which will be exposed to the weather shall be 2" for bars larger than #5 and 1-1/2" for #5 bars and smaller. Provide 3" cover below and at ends of footing bars.
- Concrete protective covering for concrete cast against and permanently exposed to earth shall be 3".
- Location and sizes of openings, sleeves, etc., required for other trades must be verified by these trades before placing concrete.

EXISTING CONSTRUCTION

- Before fabrication and erection of any materials, Field verify all existing elevations, dimensions, and other conditions as shown on the drawings and report any discrepancies to the Engineer or Architect at once.

DESIGN LOADS

- Roof Live Load: 18 psf
- Floor Live Load: 40 psf
- Dead Load: Actual weight of materials
- Wind Load: 90 mph, Exposure 'B'
- Seismic Load: As shown below. (Load Reduction Not Allowed)

SEISMIC LOADS:

STRUCTURE TO BE DESIGNED IN ACCORDANCE WITH ARKANSAS FIRE PREVENTION CODE, 2007 EDITION, OR LATEST ADOPTED EDITION, IF APPLICABLE.

$S_s = 1.54$

$S_1 = 0.60$

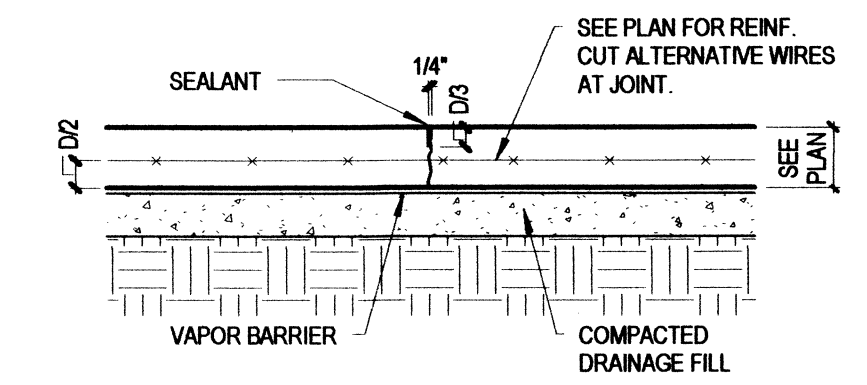
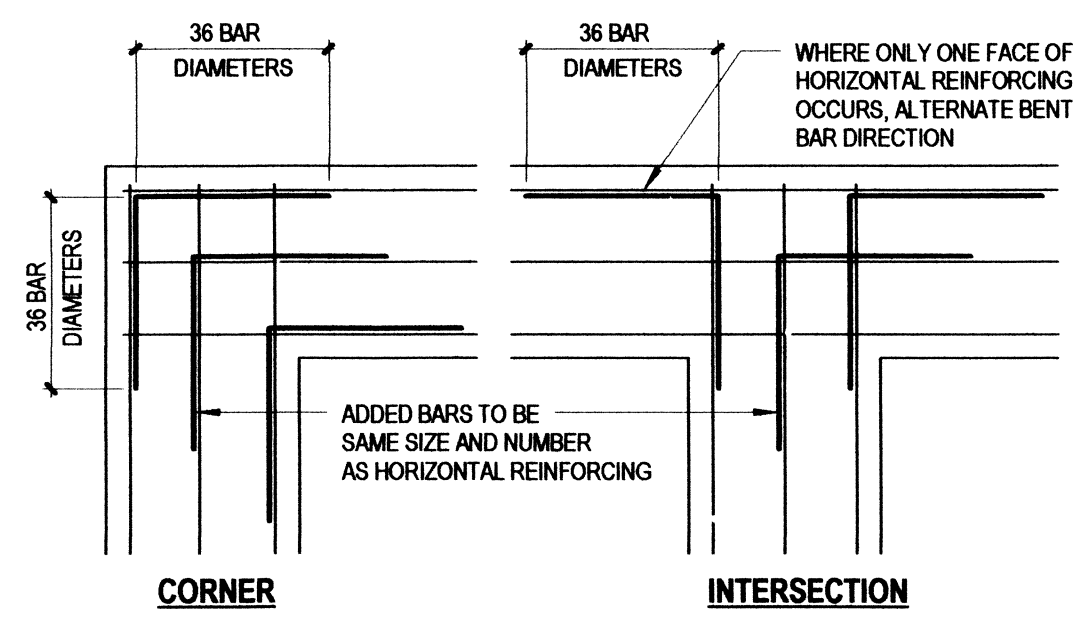
SEISMIC HAZARD EXPOSURE GROUP - 1

SOIL SITE "D"

BASIC STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM - LIGHT-FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR

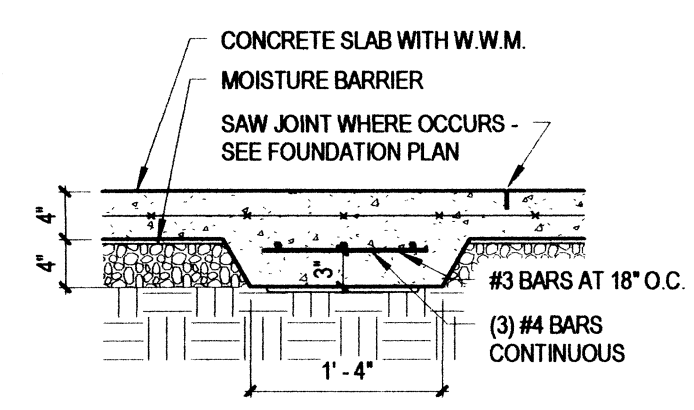
RESPONSE MODIFICATION FACTOR R=6.5

ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE

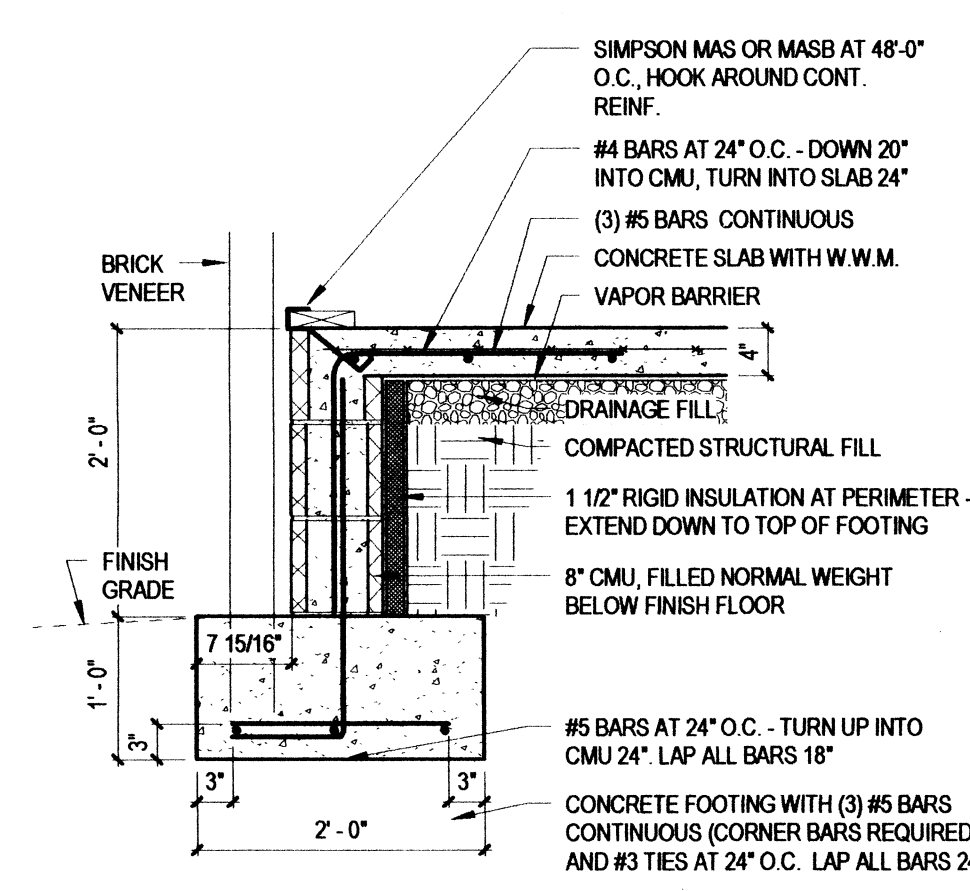


THE SAWCUTTING SHALL BE DONE AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT CUTTING WITHOUT CHIPPING, SPALLING, OR TEARING, BUT NO MORE THAN 24 HOURS AFTER CASTING.

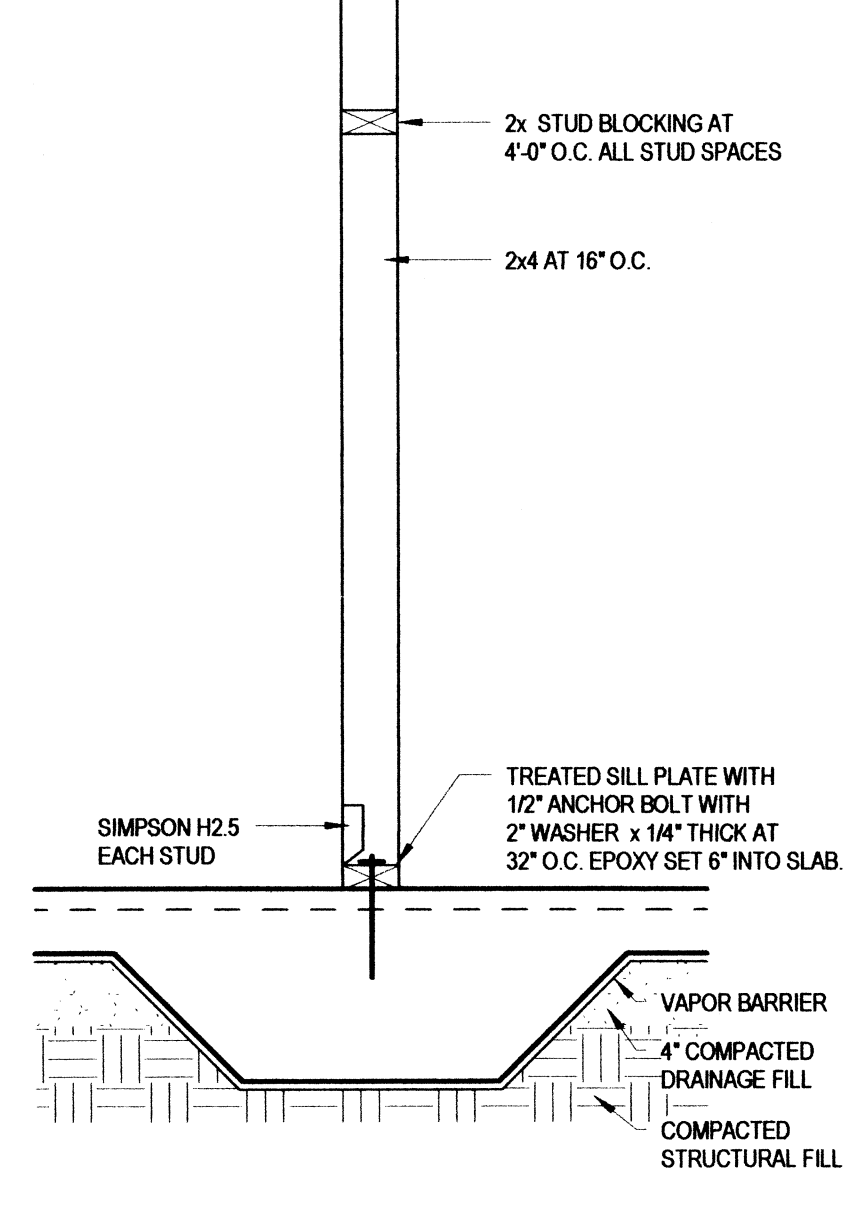
20 STRUCTURAL NOTES
1/8" = 1'-0"



19 DETAIL - TIE BEAM
3/4" = 1'-0"

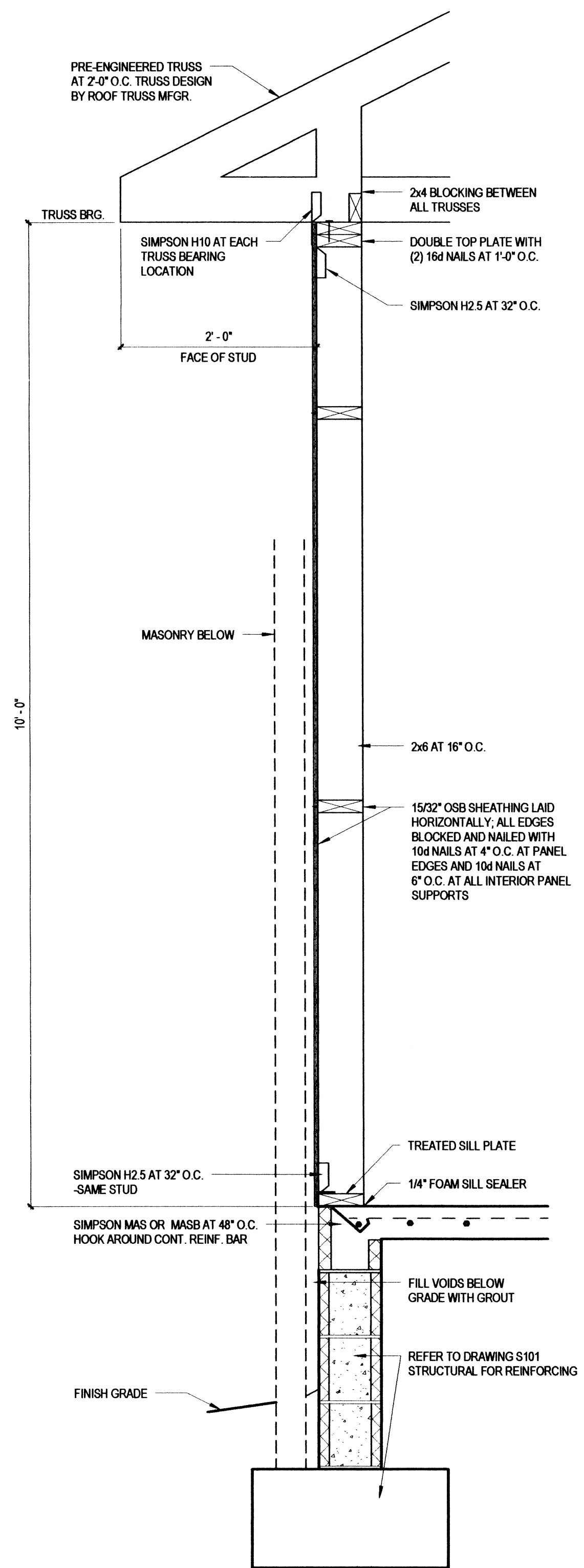


18 FOOTING - SLAB EDGE, TYPICAL
3/4" = 1'-0"

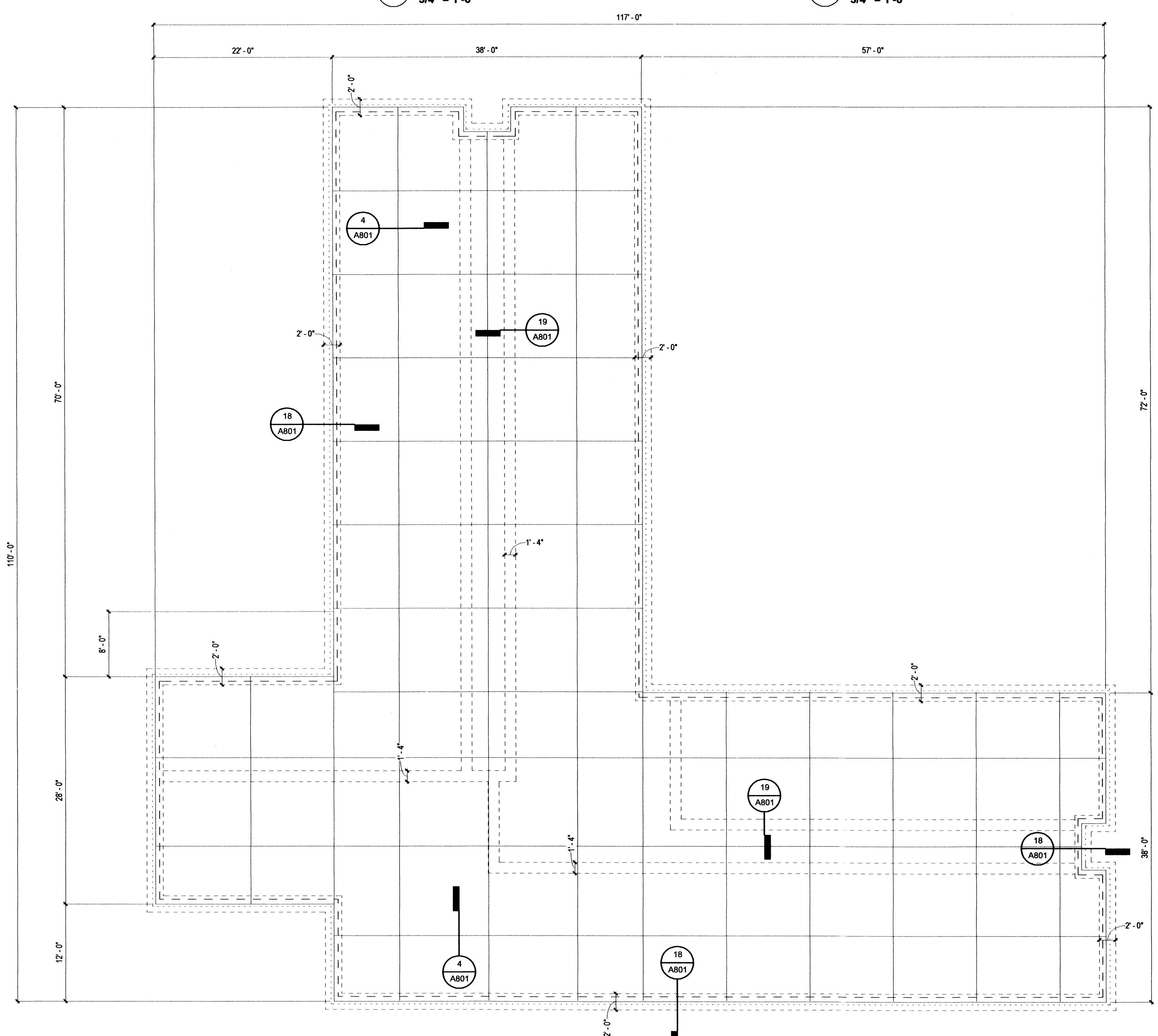


1 INTERIOR BEARING WALL DETAIL
1" = 1'-0"

13 LOAD-BEARING EXTERIOR SHEAR WALL
1" = 1'-0"



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



8 DETAIL - CORNER REINFORCING
3/4" = 1'-0"

4 CONTROL JOINT - SAWN
3/4" = 1'-0"

Revisions:

Owner
Enter address here

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www.cahoonsteelingstudio.com

CahoonSteeling
Studio
Architecture

Corporate Seal

Sheet Name:
FOUNDATION PLAN/DETAILS

Project No: _____ Date: _____
Project Number: _____ 01/31/12

Sheet No:
A801