

# A NEW RESIDENCE

## LOT 7, WETLEAU DRIVE

### LOWELL, OR 97452

#### DESIGN INFORMATION

- ALL WORK IS TO COMPLY WITH THE STATE OF OREGON 2017 EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE  
LATERAL: STATEWIDE ALTERNATE METHOD, OCTOBER 2014  
NO. 13-01 WALL BRACING (REF: ORS 455.060)
- FLOOR LIVE LOAD: 40 P.S.F.
- ROOF LIVE LOAD: 25 P.S.F.
- SNOW LOAD:  
FLAT-ROOF SNOW LOAD, P<sub>f</sub>: 25 P.S.F.  
SNOW EXPOSURE FACTOR, C<sub>e</sub>: SNOW EXPOSURE FACTOR, C<sub>e</sub>:  
TERRAIN CATEGORY: C  
EXPOSURE: FULLY  
SNOW LOAD IMPORTANCE FACTOR, I<sub>s</sub>: 1.0  
THERMAL FACTOR, C<sub>t</sub>: 1.0
- WIND DESIGN DATA:  
BASIC WIND SPEED (3-SEC GUST): 120 M.P.H.  
WIND IMPORTANCE FACTOR, I<sub>w</sub>: 1.0
- EARTHQUAKE DESIGN DATA:  
SEISMIC DESIGN CATEGORY: D1  
SEISMIC IMPORTANCE FACTOR, I<sub>s</sub>: 1.0  
MAPPED SPECTRAL RESPONSE ACCELERATIONS:  
S<sub>1</sub>: 0.649 g  
S<sub>0.1</sub>: 0.342 g  
SITE CLASS: D  
DESIGN SPECTRAL RESPONSE COEFFICIENTS:  
S<sub>D1</sub>: 0.554 g  
S<sub>D2</sub>: 0.391 g  
SEISMIC DESIGN CATEGORY: D  
SEISMIC FORCE RESISTING SYSTEM: BEARING WALL, LIGHT FRAMED SHEATHED w/WOOD (ASCE 7, p.120)  
SEISMIC RESPONSE COEFF.: 0.0852  
RESPONSE MODIFICATION FACTOR, R: 0.5
- GEOTECHNICAL INFORMATION:  
DESIGN LOAD BEARING VALUE: 1500 P.S.F. (ASSUMED)
- FLOOD DESIGN DATA:  
FIRM MAP NUMBER: FM141033C1695F  
EFFECTIVE DATE: JUNE 2, 1993  
ZONE: ZONE X. AREA DETERMINED TO BE OUTSIDE THE 100- AND 500-YEAR FLOODPLAINS.
- SPECIAL LOADS: NONE.
- SYSTEMS & COMPONENTS REQUIRING SPECIAL INSPECTIONS (SEISMIC): NONE.
- ZONING: SINGLE-FAMILY RESIDENTIAL, R-1

#### NOTE

- THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION MEANS AND METHODS, INCLUDING LOADING AND BRACING, SHALL NOT EXCEED THE CAPACITY OF STRUCTURAL MEMBERS.

PROJECT LOCATION  
LOT 7, WETLEAU DRIVE  
LOWELL, OR



VICINITY PLAN

SCALE: NTS



#### PROJECT DESIGN

DRAFTING BY: WILLIAM E. BARLOW, P.E. 541-609-8111  
P.O. BOX 2023  
CORVALLIS, OR 97339

PROJECT MANAGER: ANDY CLAY, PROGRAM MANAGER 541-501-0894 CELL.  
ST. VINCENT DE PAUL SOCIETY 541-681-5820 DESK  
OF LANE COUNTY  
2890 CHAD DRIVE  
EUGENE, OR 97408

#### SITE LOCATION

LOT 7  
WETLEAU ESTATES  
CITY OF LOWELL  
LANE COUNTY, OREGON  
TAX MAP LOT: 1901424/05600  
LATITUDE: 43.918213  
LONGITUDE: -122.716995

#### SQUARE FOOTAGE

HOUSE AREA:	1382	SQ FT
GARAGE AREA:	523	SQ FT
TOTAL AREA:	1905	SQ FT

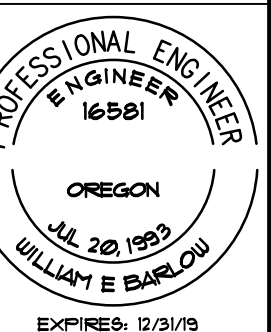
PRELIMINARY  
NOT FOR CONSTRUCTION

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REVISIONS	BY

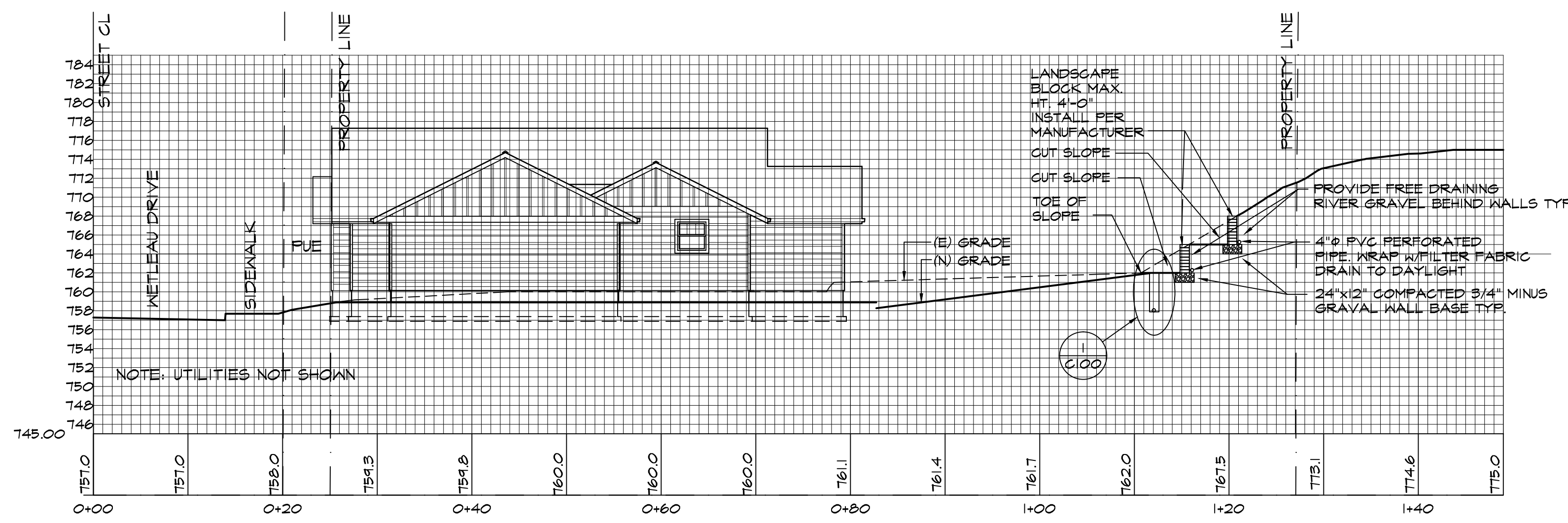
A NEW RESIDENCE  
LOT 7, WETLEAU DRIVE  
LOWELL, OR  
TITLE SHEET



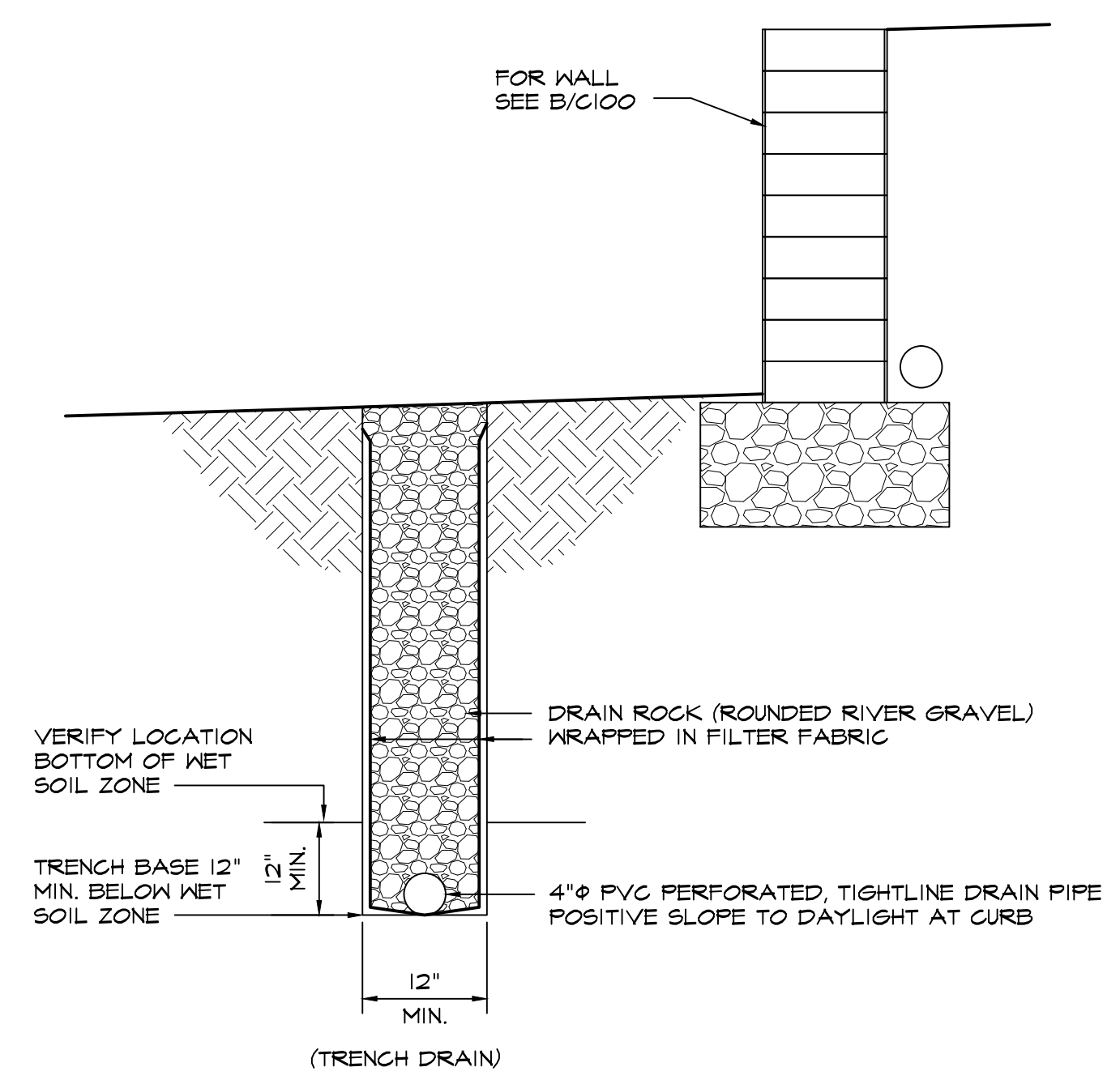
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WILLIAM E. BARLOW, P.E.  
P.O. BOX 2023  
CORVALLIS, OR 97339  
541-929-8111  
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DATE: 12/08/2017  
SCALE: AS SHOWN  
DRAWN: WEB  
SHEET:

A000

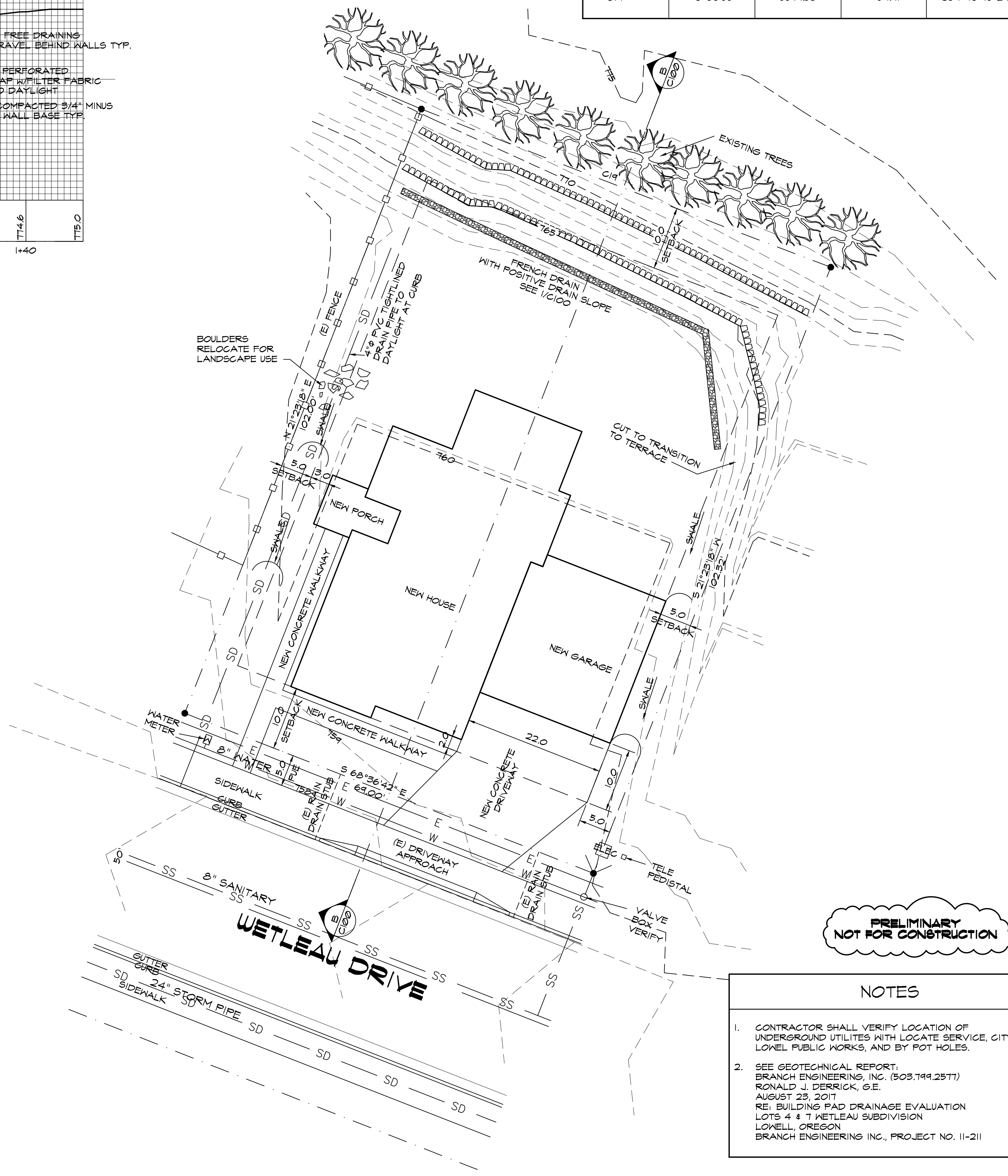


**U SITE PROFILE**  
SCALE: 1" = 10'



**I FRENCH DRAIN DETAIL**  
NOT TO SCALE

CURVE TABLE				
CURVE	DELTA	RADIUS	ARC	LONG CHORD
C19	0°36'55"	5579.58	59.91	569°40'43"E 218.94



**A SITE PLAN**  
SCALE: 1" = 10'

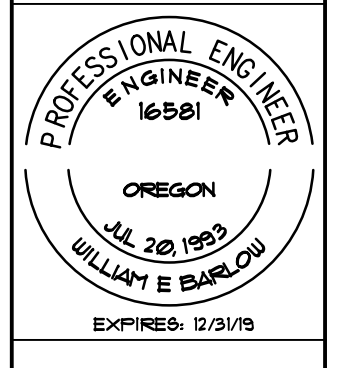
- NOTES**
- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES WITH LOCATE SERVICE, CITY OF LOWELL PUBLIC WORKS, AND BY POT HOLES.
  - SEE GEOTECHNICAL REPORT: BRANCH ENGINEERING, INC. (503.749.2571) RONALD J. DERRICK, G.E. AUGUST 23, 2017 RE: BUILDING PAD DRAINAGE EVALUATION LOTS 4 & 7 WETLEAU SUBDIVISION LOWELL, OREGON BRANCH ENGINEERING INC., PROJECT NO. 11-211

**LEGEND**

— E —	UNDERGROUND ELECTRICAL
— SS —	SANITARY SEWER
— SD —	STORM DRAIN
— UGT —	UNDERGROUND TELEPHONE

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**LOT 7, WETLEAU ESTATES**  
LOWELL, OREGON  
**SITE PLAN**

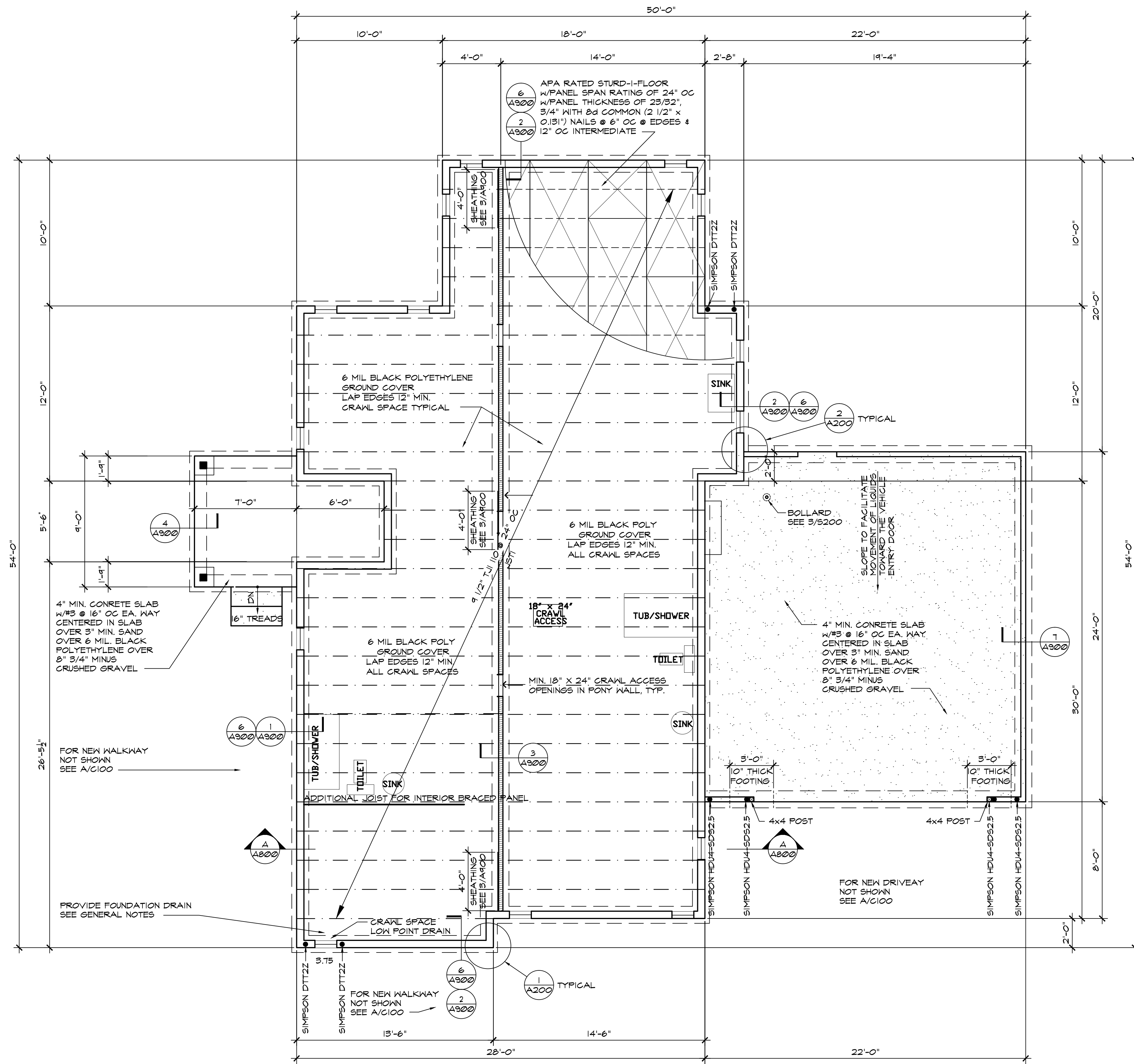


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DATE 11-30-2017  
SCALE AS SHOWN  
DRAWN WEB  
SHEET

**C100**

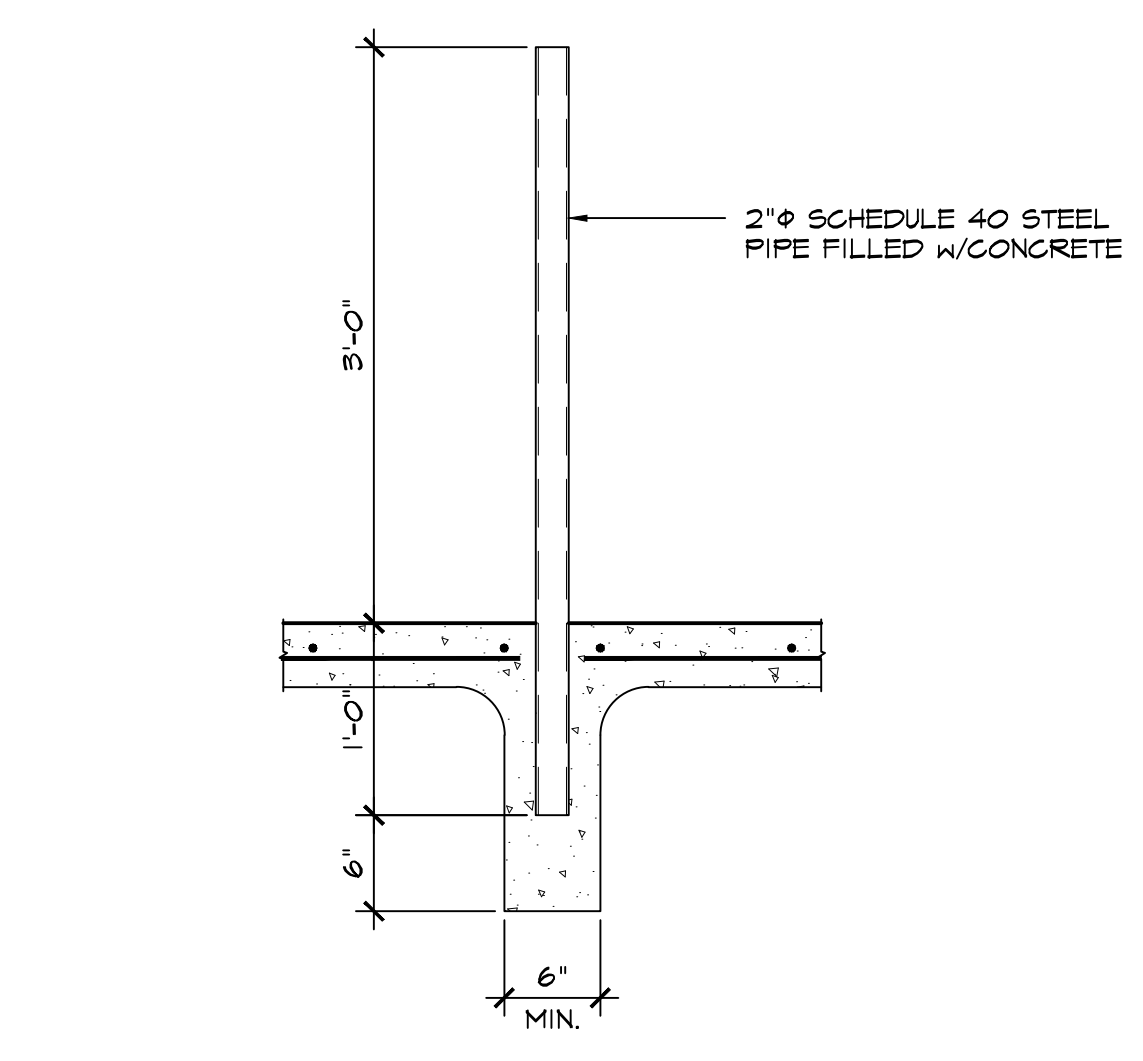




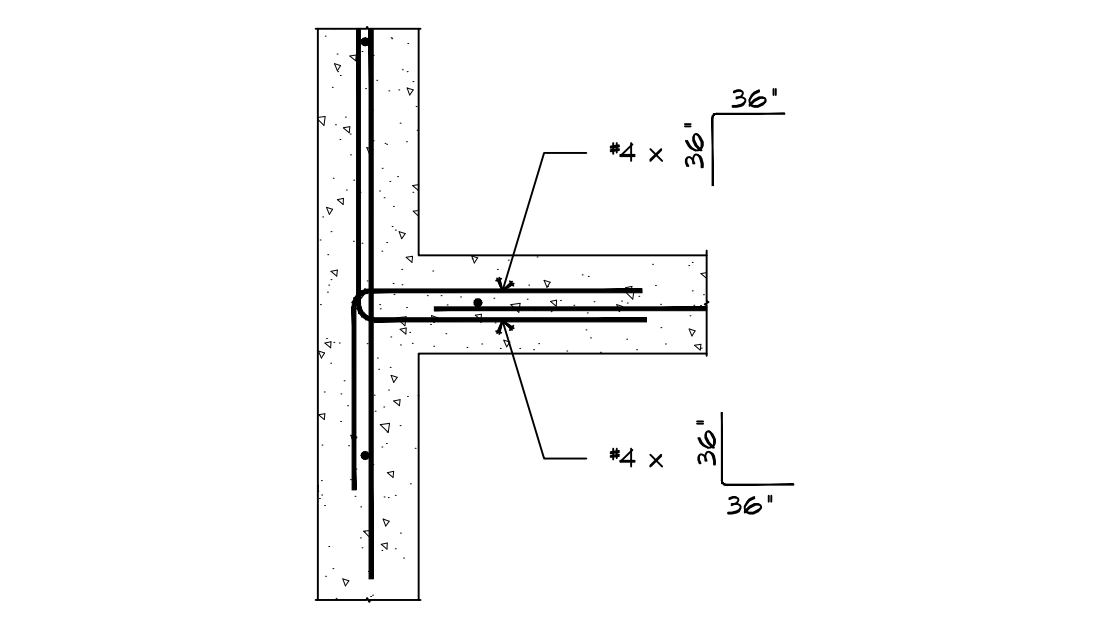
**A FOUNDATION / FLOOR FRAMING PLAN**  
SCALE: 1/4"=1'-0"

REVISIONS		BY

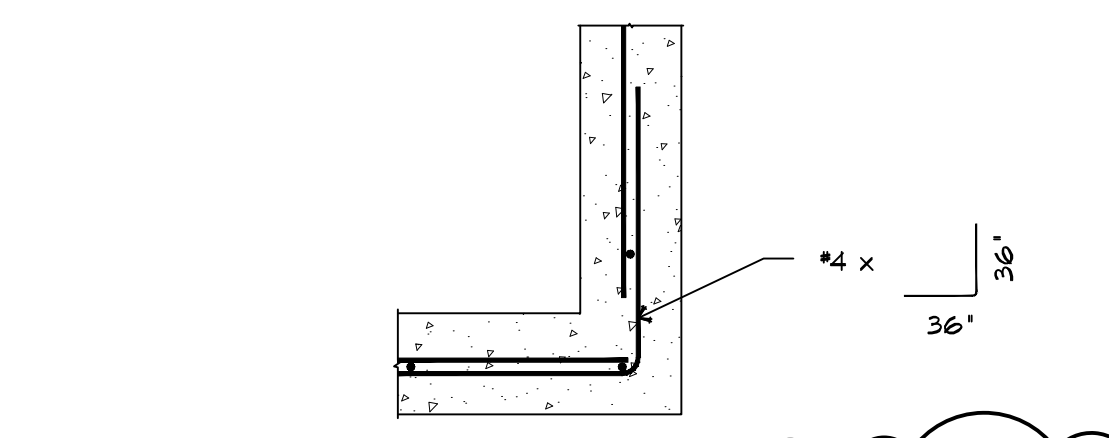
LEGEND	
	FOUNDATION WALLS - REINFORCED CONCRETE
	PONY WALL
	HOLDDOWNS



**3 BOLLARD**  
SCALE: 1" = 1'-0"



**2 DETAIL**  
SCALE: 1" = 1'-0"

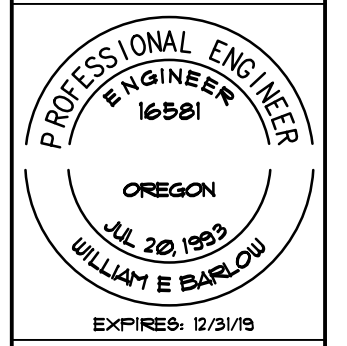


**1 DETAIL**  
SCALE: 1" = 1'-0"

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**A NEW RESIDENCE**  
LOT 7, WETLEAU DRIVE  
LOWELL, OR  
**FOUNDATIN PLAN**



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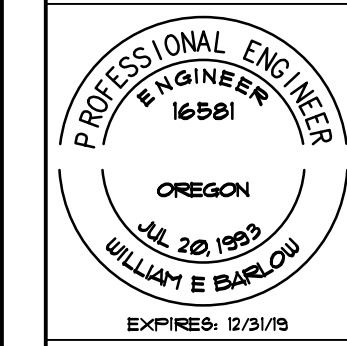
DATE 12/08/2017  
SCALE AS SHOWN  
DRAWN WEB  
SHEET

**A200**

**WALL BRACING NOTES**

- LATERAL DESIGN IN ACCORDANCE WITH 2008 ORSC WALL BRACING PROVISIONS, R6-02.10 STATEWIDE ALTERNATE METHOD ORSC 13-01 (REF. ORS 455.060) JANUARY 2013
- SEGMENTAL WALL BRACING
- EXTERIOR WALL PANELS  
3.1 7/16" SHEATHING ON 2x6s @ 24" OC  
3.2 8d GALV. COMMON (2 1/2"x0.131") NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS
- INTERIOR WALL PANELS  
4.1 INTERIOR 1/2" GYPSUM BOARD EACH FACE  
4.2 FASTEN w/13 GAGE, 1 3/8" LONG, 15/64" O.D. DIA., 1 1/4" LONG, ANNULAR-RINGED, 5d COOLER NAIL, 0.086" DIA., 1 5/8" LONG, 15/64" HEAD, OR GYPSUM BOARD NAIL, 0.08" DIA., 1 5/8" LONG, 9/32" HEAD.
- ALTERNATE BRACED PANEL  
5.1 7/16" SHEATHING ON 2x6s @ 24" OC  
5.2 8d GALV. COMMON (2 1/2"x0.131") NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS  
BLOCK AKK PANEL EDGES.
- TOP PLATE LAPS IN BRACED WALL PANELS SHALL BE FACED NAILED WITH AT LEAST (2) 16d NAILS ON EACH SIDE OF THE SPLICE.
- A BOTTOM CHORD OF A TRUSS PARALLEL AND DIRECTLY ABOVE A TOP PLATE SHALL BE TOE NAILED TO THE TOP PLATE OF A BRACED WALL PANEL WITH AT LEAST 8d NAILS SPACED A MAXIMUM OF 6 INCHES ON CENTER.

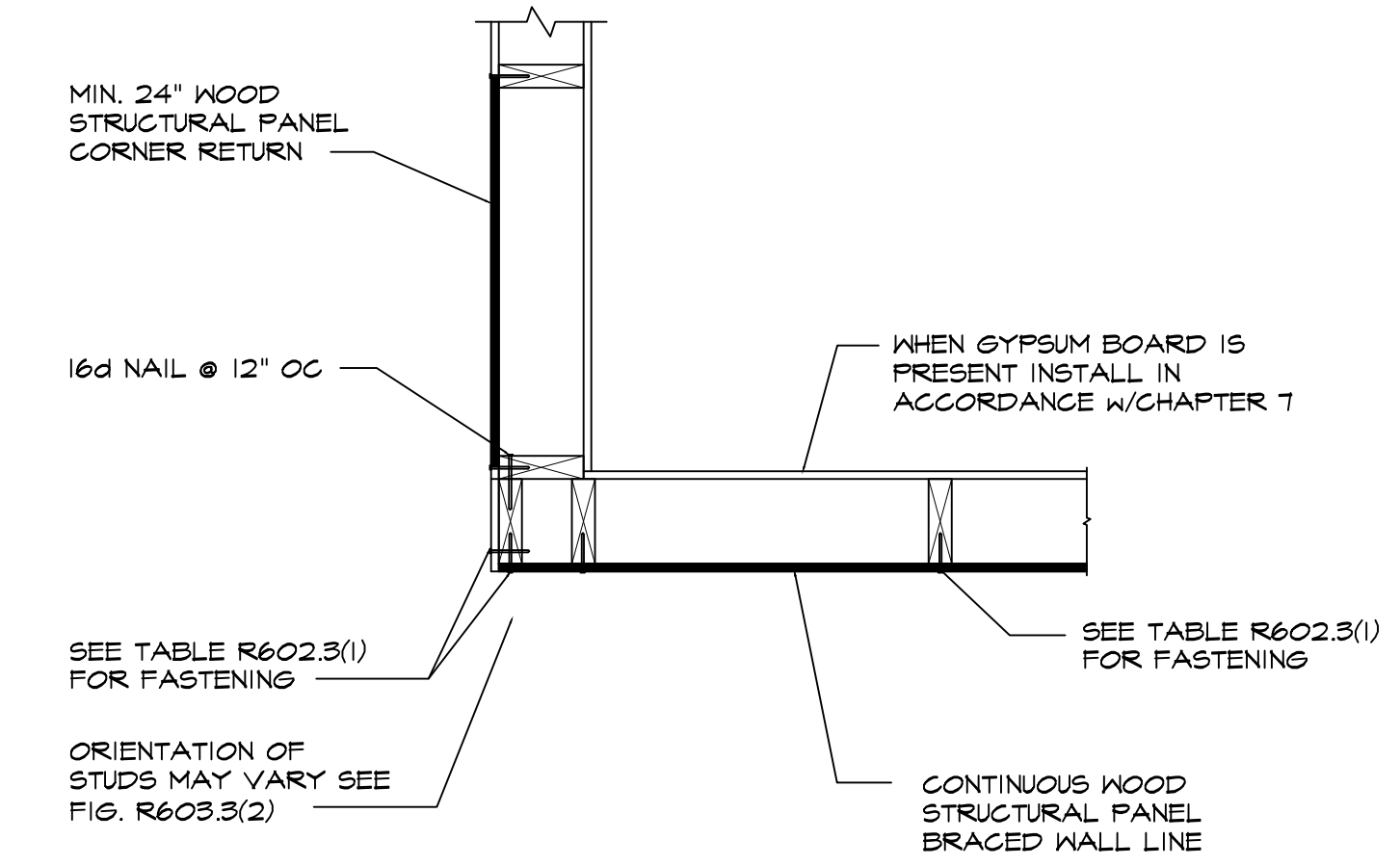
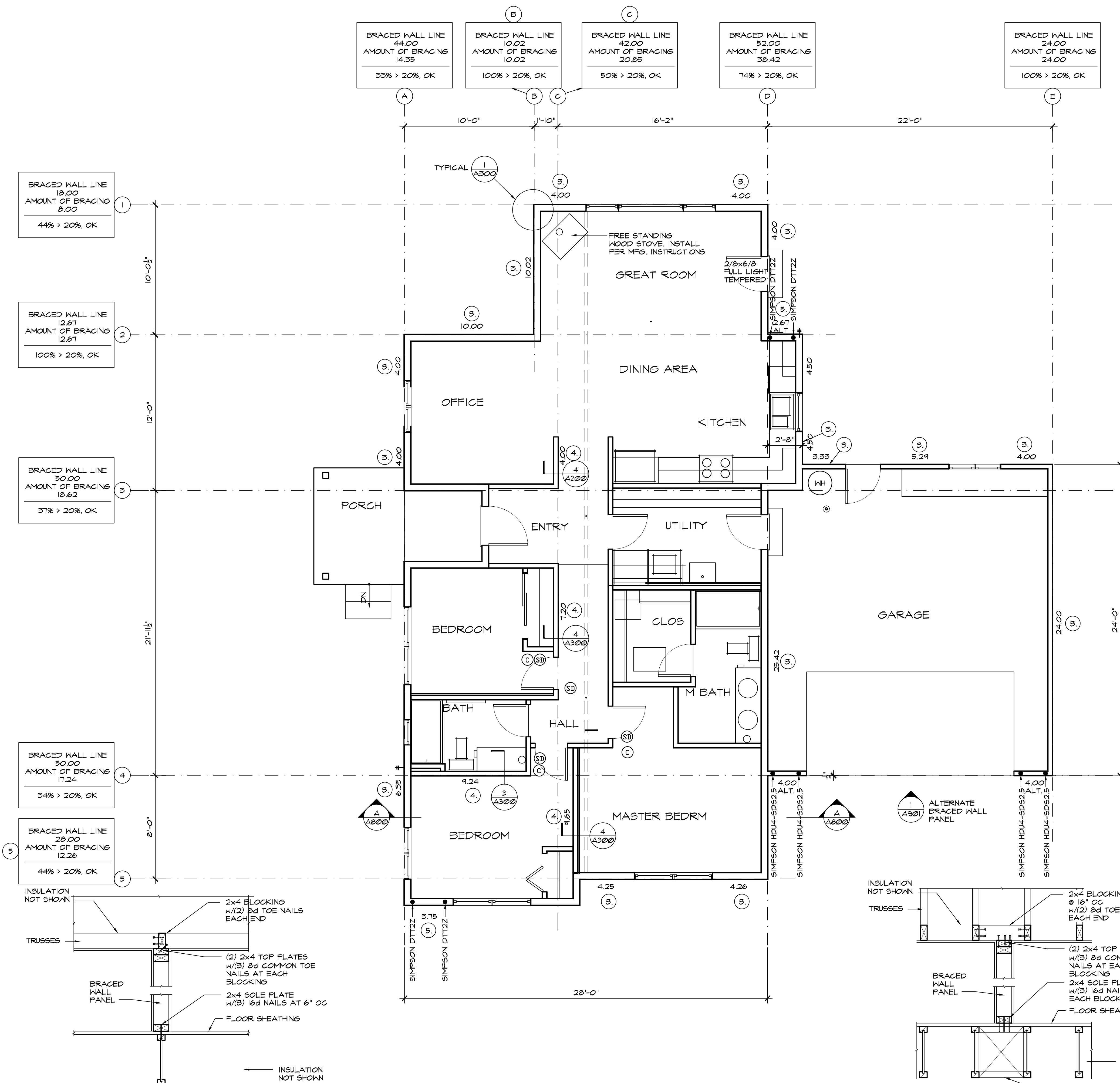
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 LOT 7, WETLEAU DRIVE  
 LOWELL, OR  
**BRACED WALL PLAN**



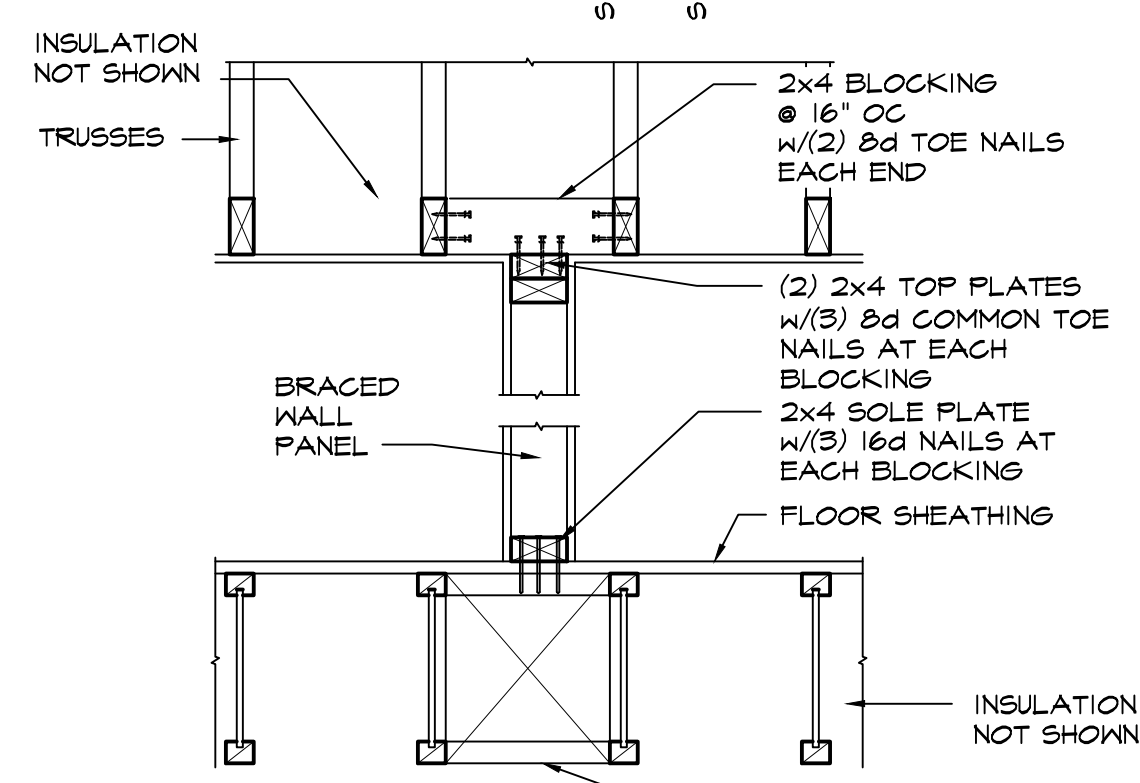
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 SCALE AS SHOWN  
 DRAWN WEB  
 SHEET

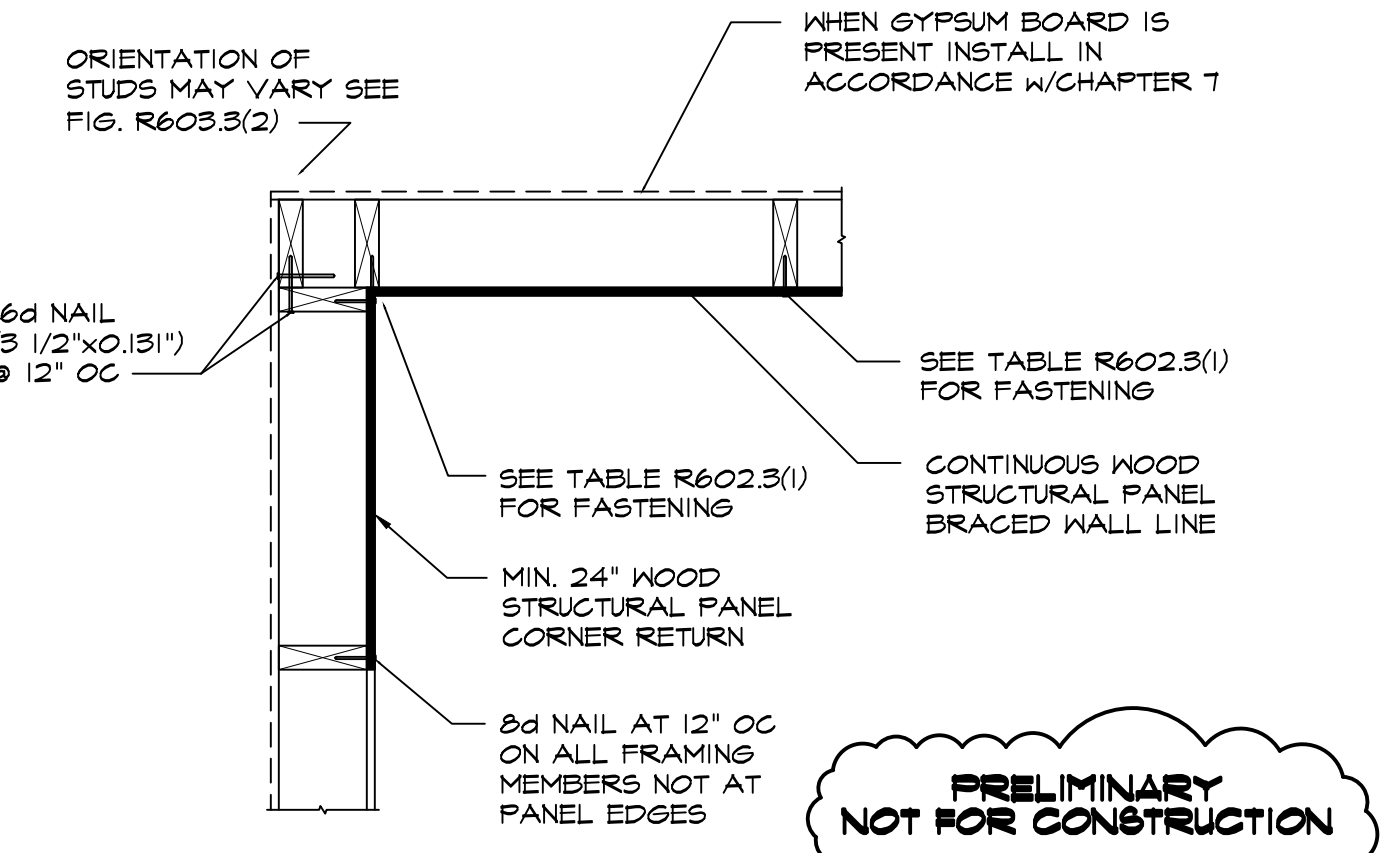
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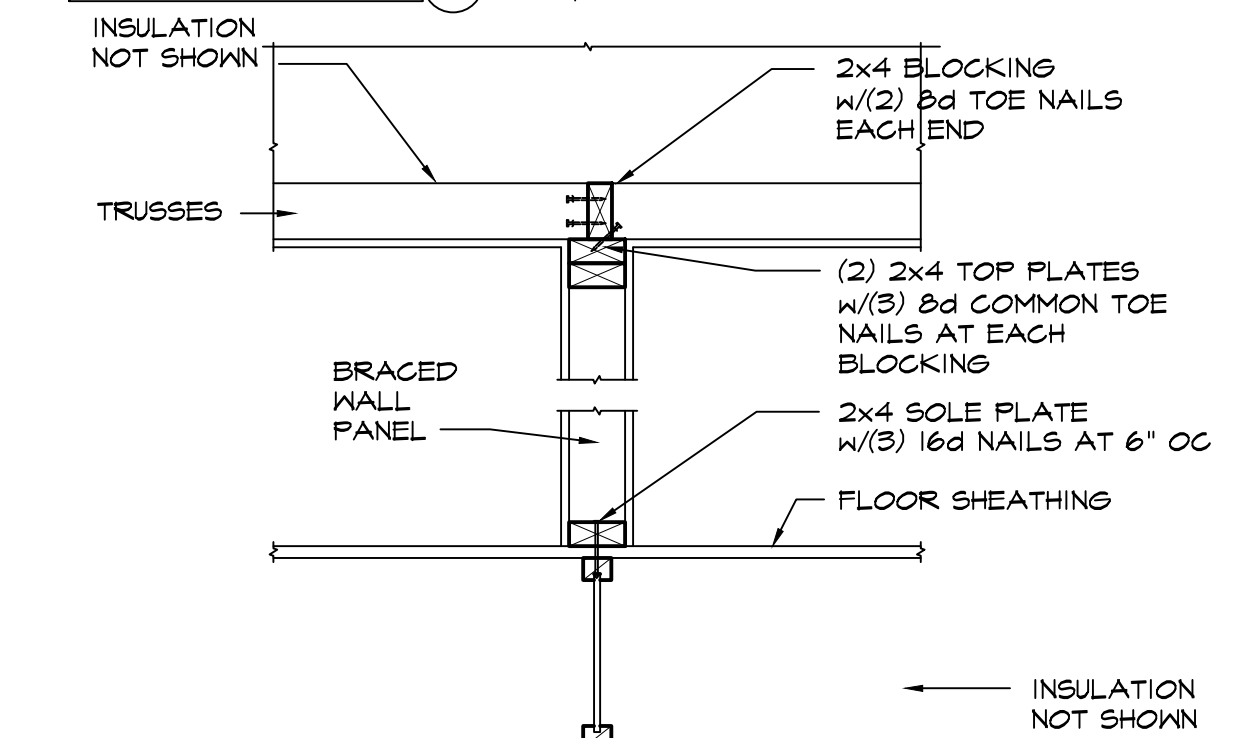
**1** OUTSIDE CORNER DETAIL  
 SCALE: 1" = 1'-0"



**3** DETAIL  
 SCALE: 1" = 1'-0"



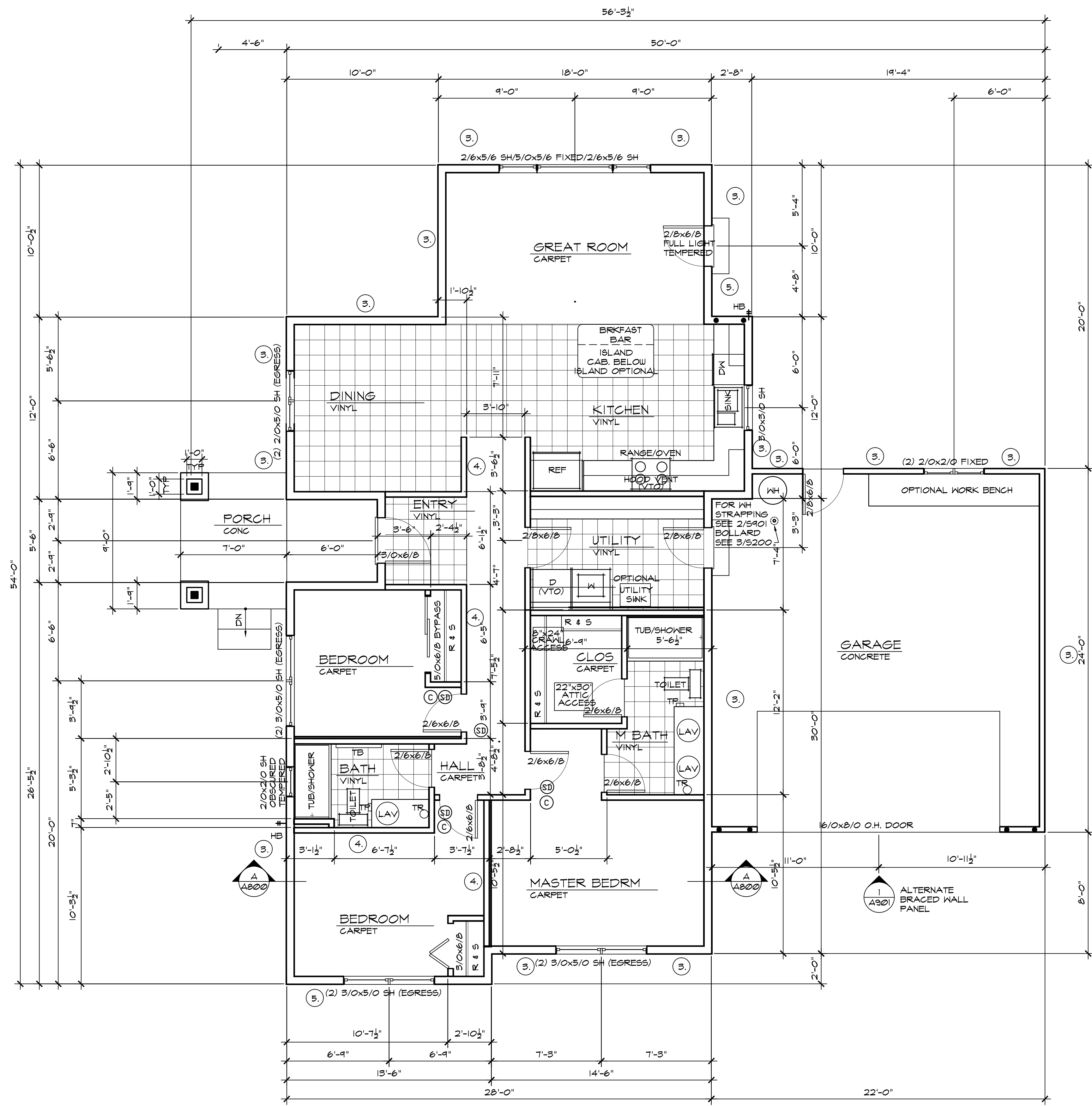
**2** INSIDE CORNER DETAIL  
 SCALE: 1" = 1'-0"



**4** DETAIL  
 PERPENDICULAR FLOOR/CEILING FRAMING  
 SCALE: 1" = 1'-0"

**A** BRACED WALL PLAN  
 SCALE: 1/4" = 1'-0"

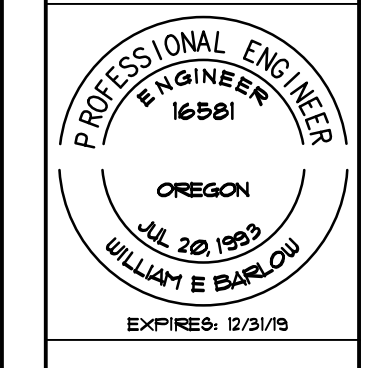
**PRELIMINARY NOT FOR CONSTRUCTION**



- ### NOTES
- THE CONTRACTOR SHALL:
- COORDINATE WINDOW AND DOOR STYLES AND MATERIAL WITH OWNER.
  - COORDINATE HOT TUB MANUFACTURER, SIZE, AND STYLE WITH OWNER.
  - COORDINATE FINISHED FLOORING WITH OWNER.
  - COORDINATE EXTERIOR AND INTERIOR PAINT COLOR(S) WITH OWNER.
  - COORDINATE MOULDING AND TRIM WITH OWNERS.
- (C) CARBON MONOXIDE DETECTOR  
SEE GENERAL NOTES SHEET A100
- (SD) SMOKE DETECTOR  
SEE GENERAL NOTES SHEET A100
- ### WALL BRACING
- EXTERIOR WALL PANELS  
5.1 7/16" SHEATHING ON 2x6s @ 24" OC  
5.2 3d GALV. COMMON (2 1/2"x0.131") NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS
  - INTERIOR WALL PANELS  
4.1 INTERIOR 1/2" GYPSUM BOARD EACH FACE  
4.2 FASTEN w/13 GAGE, 1 3/8" LONG, 19/64" O.D.#8 DIA., 1 1/4" LONG ANNULAR-RINGED, 5d COOLER NAIL, 0.086" DIA., 1 5/8" LONG, 5/64" HEAD, OR GYPSUM BOARD NAIL, 0.08" DIA., 1 5/8" LONG, 9/32" HEAD.
  - ALTERNATE BRACED PANEL  
5.1 7/16" SHEATHING ON 2x6s @ 24" OC  
5.2 3d GALV. COMMON (2 1/2"x0.131") NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS  
BLOCK AKK PANEL EDGES.

REVISIONS	BY

**A NEW RESIDENCE**  
**LOT 7, WETLEAU DRIVE**  
 LOWELL, OR  
**FLOOR PLAN**



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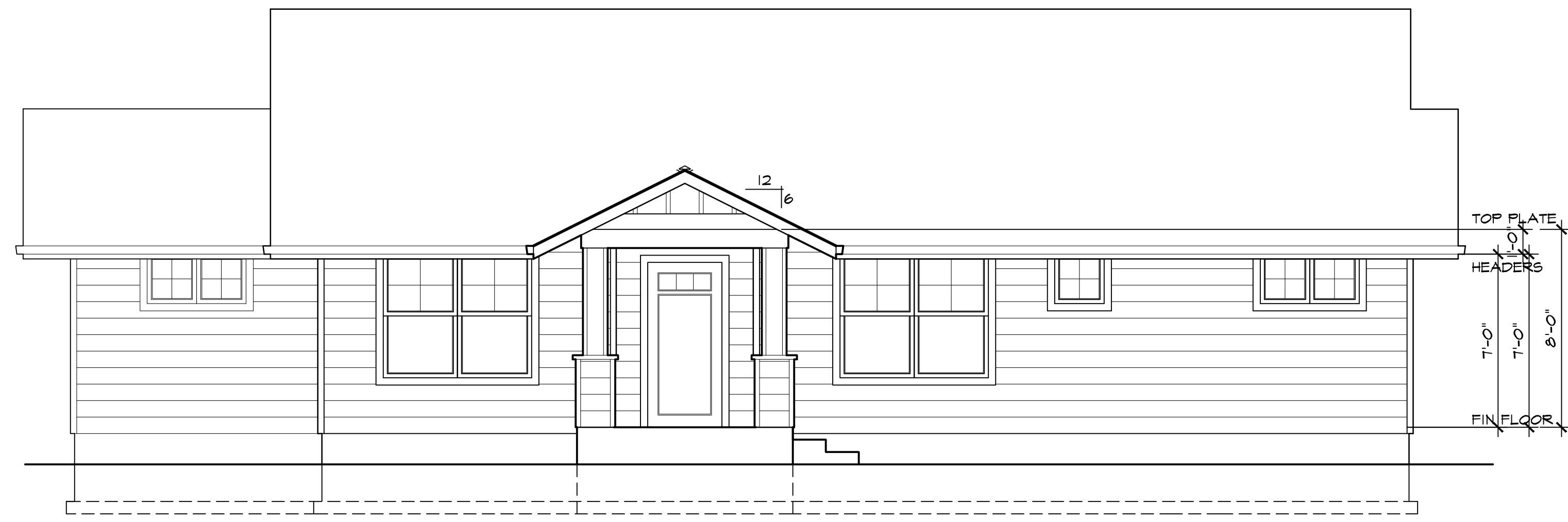
DATE 12/08/2017  
 SCALE AS SHOWN  
 DRAWN WEB  
 SHEET

A400

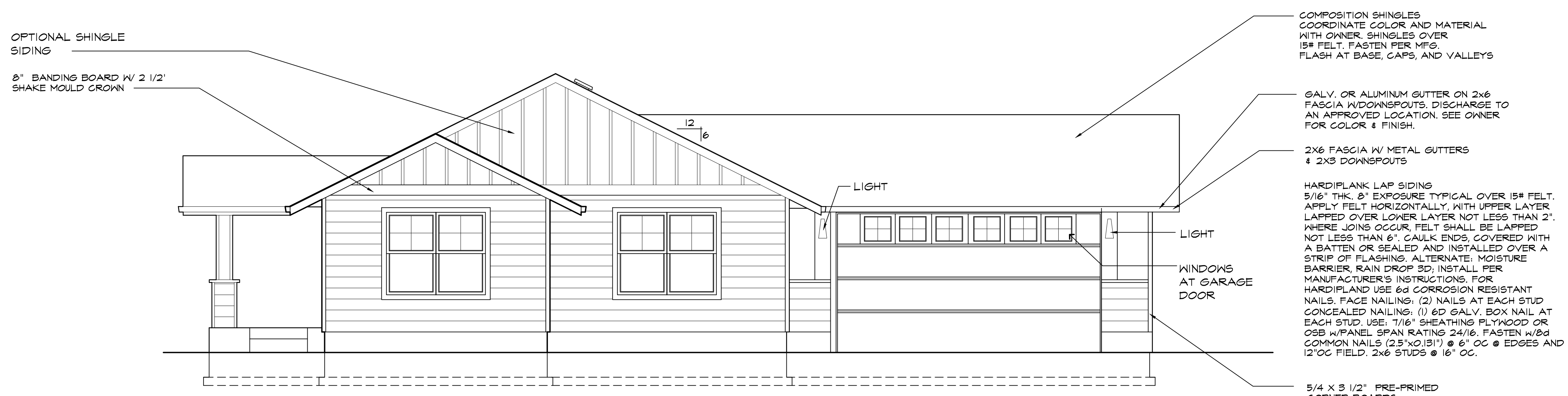
**FLOOR PLAN**  
 SCALE: 1/4"=1'-0"

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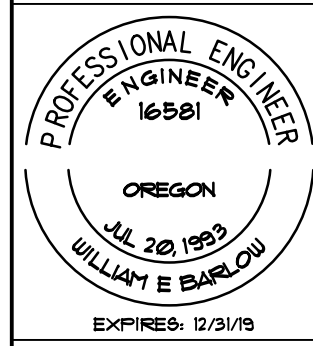
**B WEST ELEVATION**  
SCALE: 1/4"=1'-0"



**A NORTH ELEVATION**  
SCALE: 1/4"=1'-0"

PRELIMINARY  
NOT FOR CONSTRUCTION

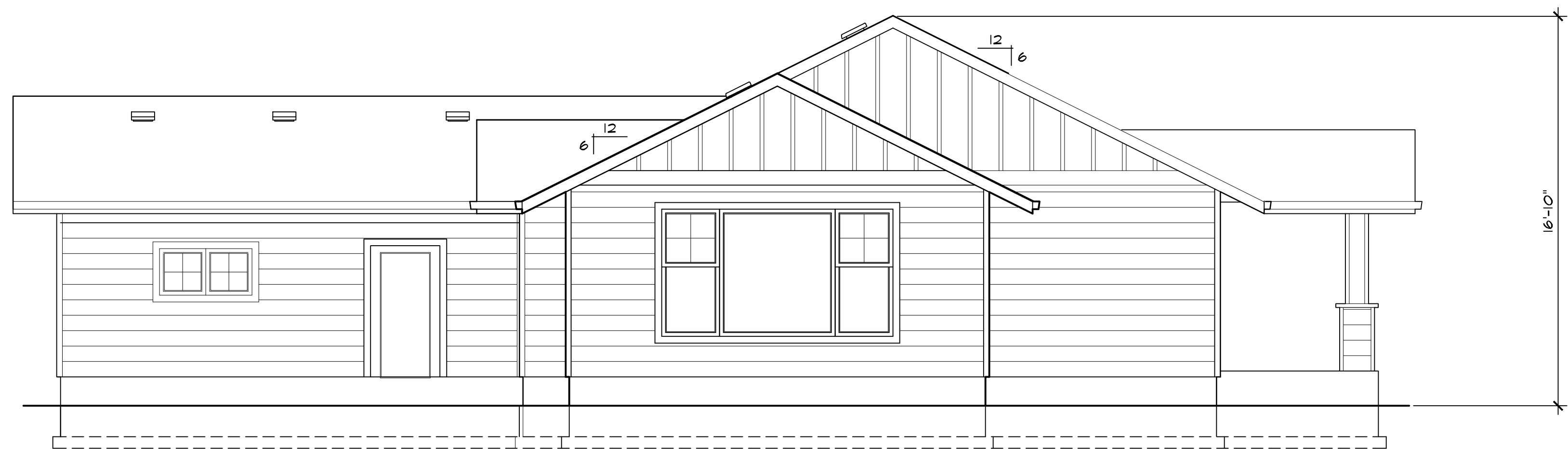
**A NEW RESIDENCE**  
LOT 7, WETLEAU DRIVE  
LOWELL, OR  
ELEVATIONS



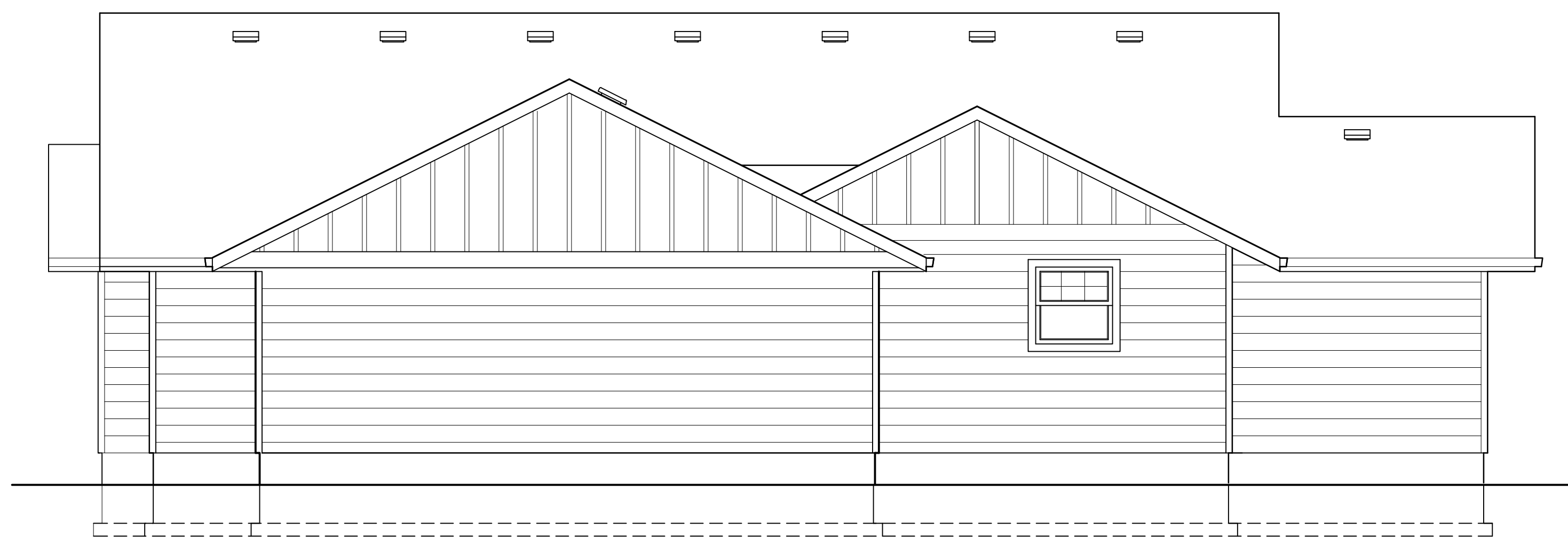
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SCALE AS SHOWN  
DRAWN WEB  
SHEET

**A500**



**B** SOUTH ELEVATION  
SCALE: 1/4"=1'-0"

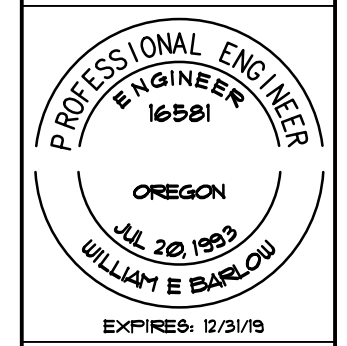


**A** EAST ELEVATION  
SCALE: 1/4"=1'-0"

PRELIMINARY  
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LOT 7, WETLEAU DRIVE  
LOWELL, OR  
ELEVATIONS

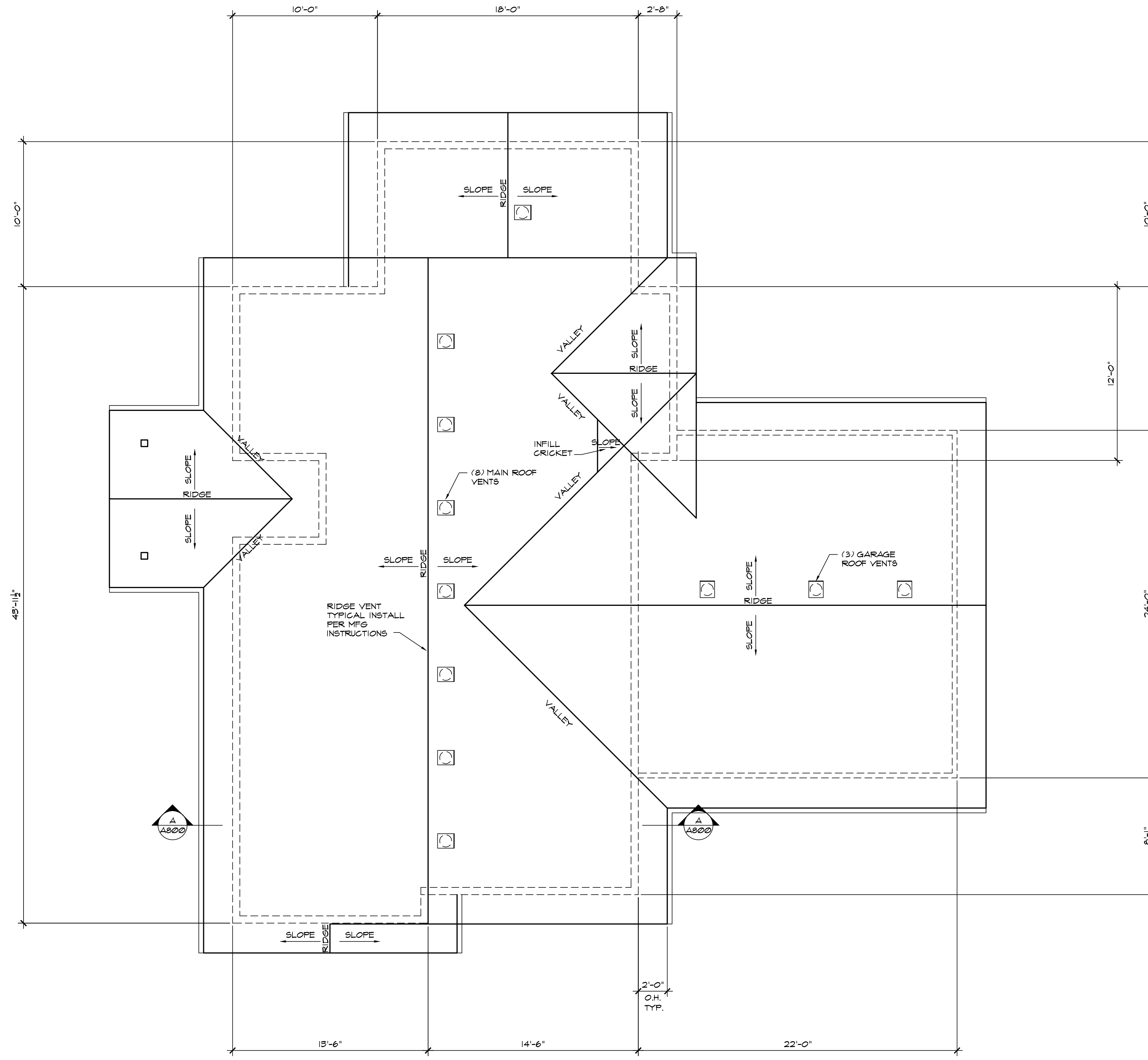


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DATE 12/28/2017  
SCALE AS SHOWN  
DRAWN WEB  
SHEET

**A501**



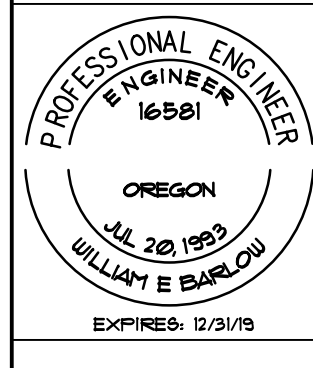


**A ROOF PLAN**  
 SCALE: 1/4"=1'-0"  
 N

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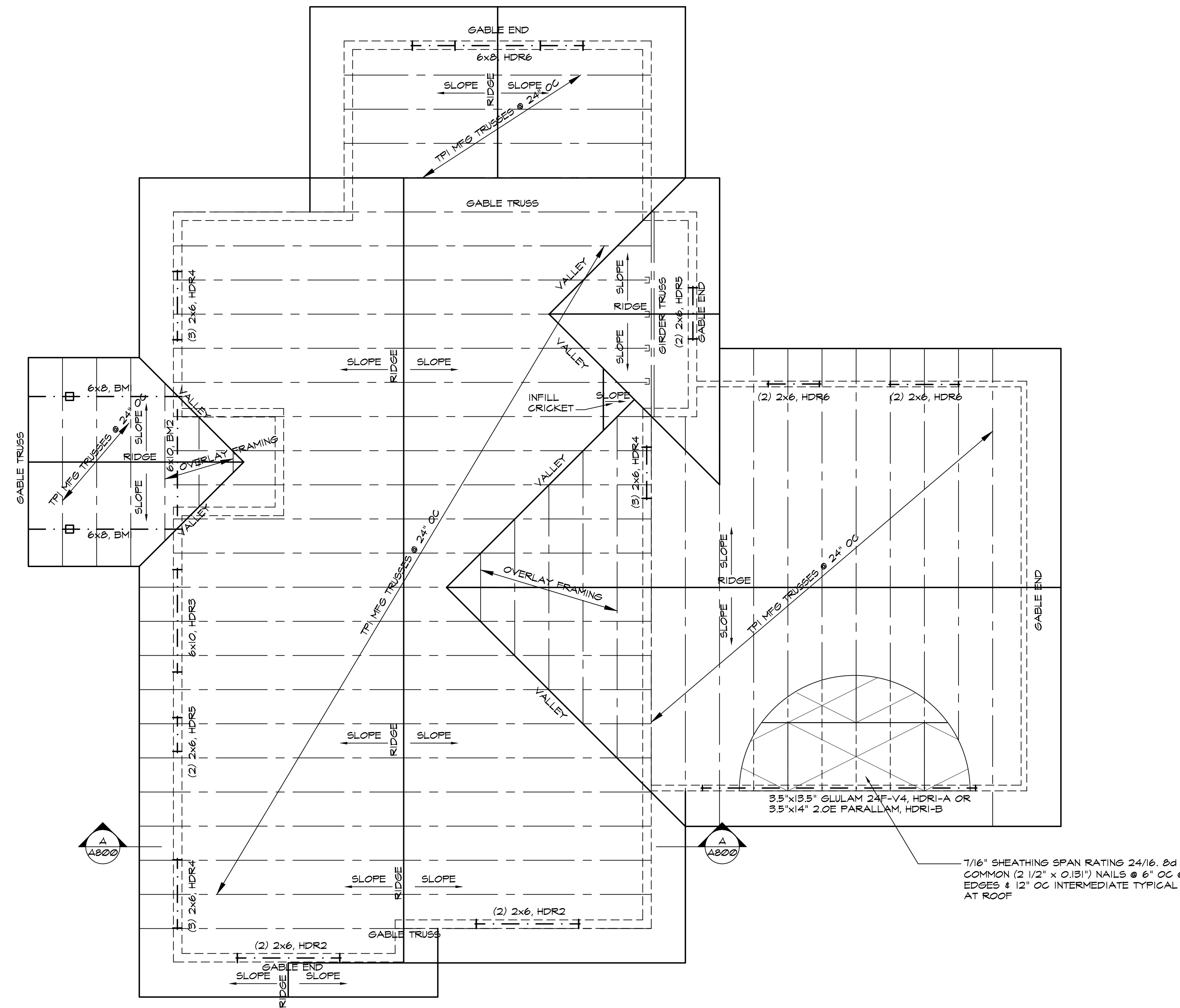
**A NEW RESIDENCE**  
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 LOWELL, OR  
**ROOF PLAN**



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 DRAWN WEB  
 SHEET

**A600**



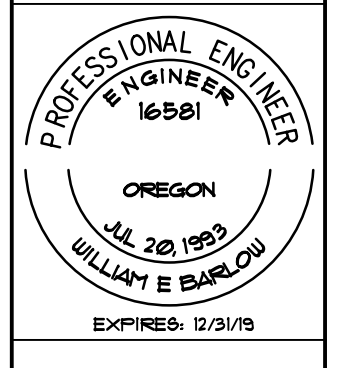
**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

**PRELIMINARY  
NOT FOR CONSTRUCTION**

- NOTES**
- HEADERS SHALL BE DF NO. 2 OR BETTER, EXCEPT GARAGE DOOR HEADER
  - MULTIPLE 2x HEADERS SHALL BE LAMINATED WITH (2) ROWS, 1 1/2" FROM EDGES, WITH 10d COMMON (3"x0.148") NAILS @ 12" OC AND 4" FROM EACH END.

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LOT 7, WETLEAU DRIVE  
LOWELL, OR  
**ROOF FRAMING PLAN**



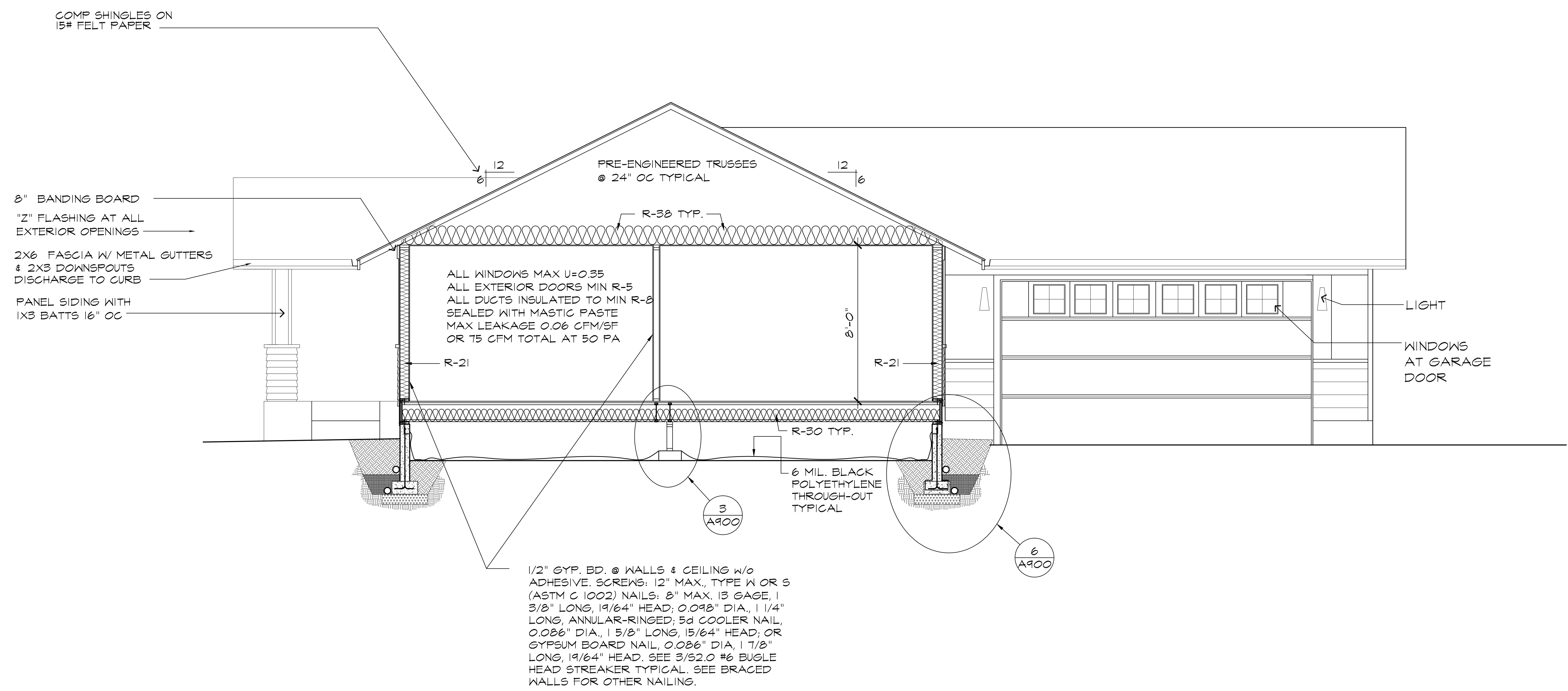
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DATE 12/08/2017  
SCALE AS SHOWN  
DRAWN WEB  
SHEET

**A700**

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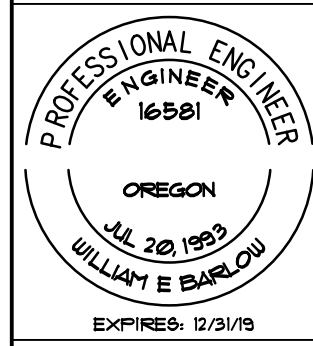
**A NEW RESIDENCE**  
**LOT 7, WETLEAU DRIVE**  
 LOWELL, OR  
**SECTION**



1/2" GYP. BD. @ WALLS & CEILING w/o ADHESIVE. SCREWS: 12" MAX., TYPE W OR S (ASTM C 1002) NAILS: 8" MAX. 13 GAGE, 1 3/8" LONG, 19/64" HEAD; 0.098" DIA., 1 1/4" LONG, ANNULAR-RINGED; 5d COOLER NAIL, 0.086" DIA., 1 5/8" LONG, 15/64" HEAD; OR GYPSUM BOARD NAIL, 0.086" DIA., 1 7/8" LONG, 19/64" HEAD. SEE 3/52.0 #6 BUGLE HEAD STREAKER TYPICAL. SEE BRACED WALLS FOR OTHER NAILING.

**A SECTION**  
 SCALE: 3/8"=1'-0"

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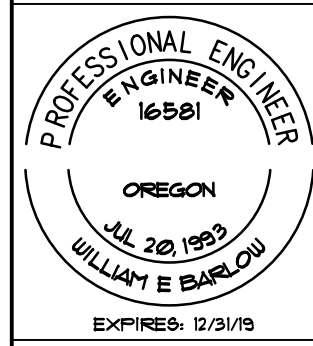
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DATE 12/08/2017  
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 DRAWN WEB  
 SHEET

**A800**

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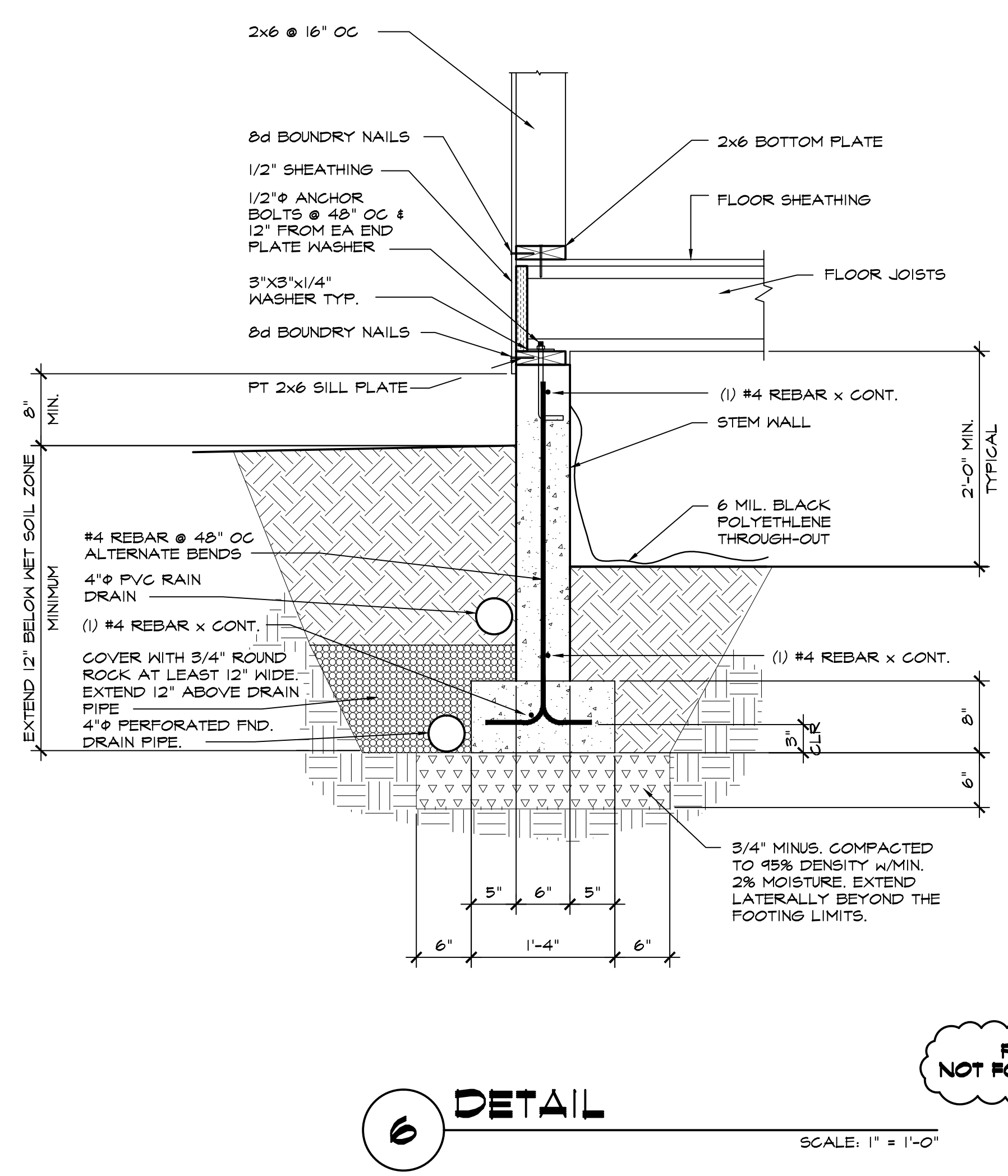
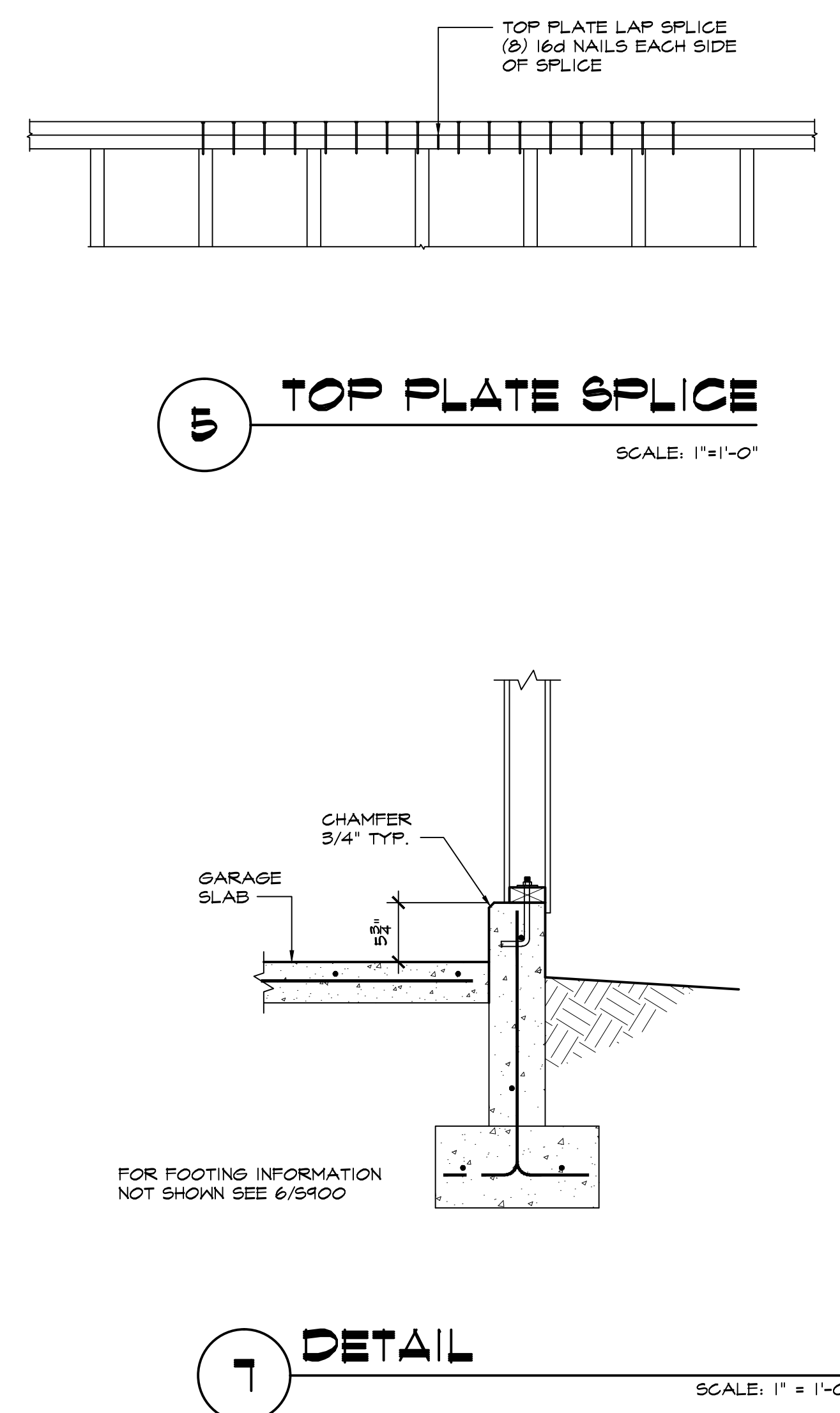
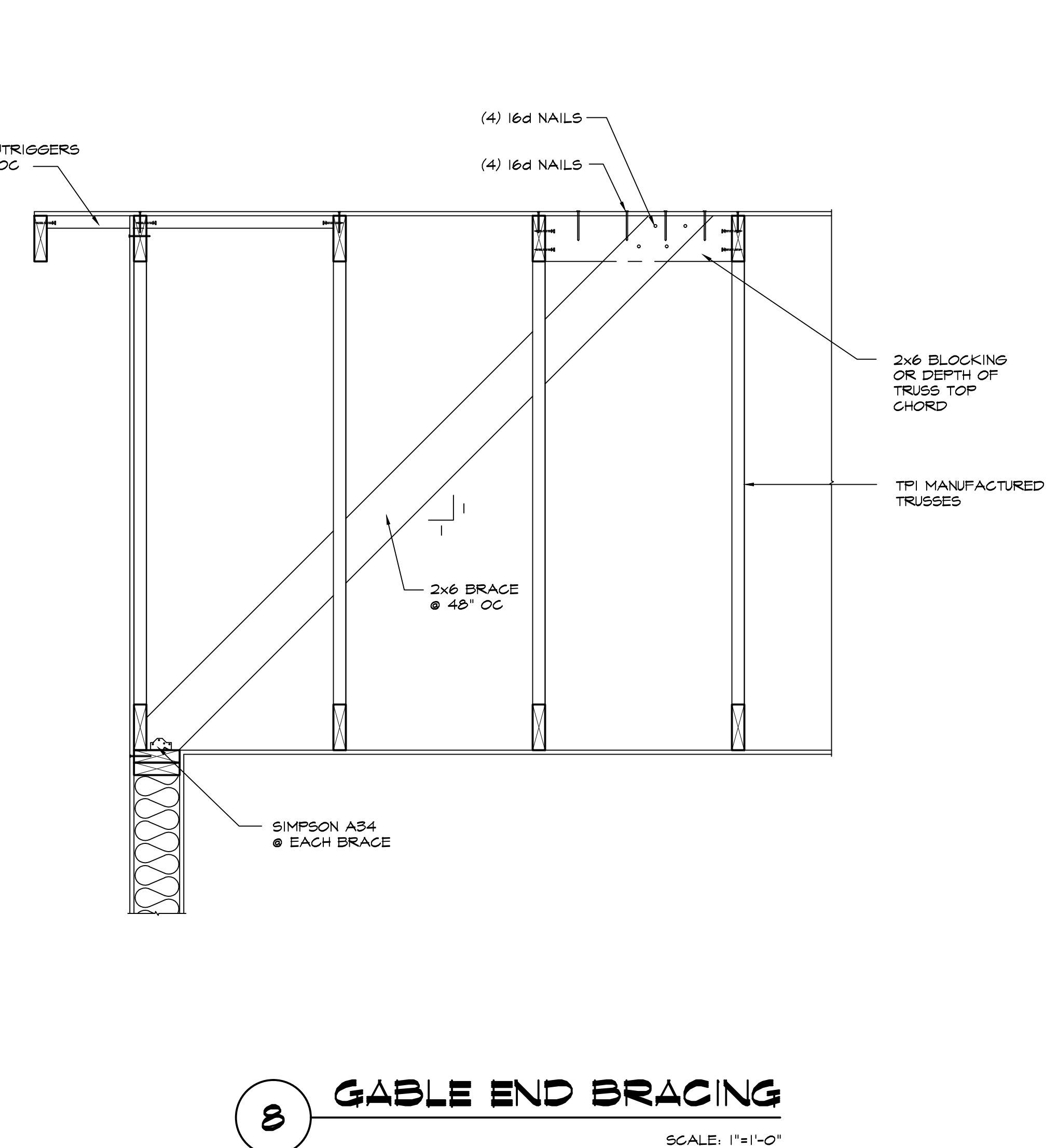
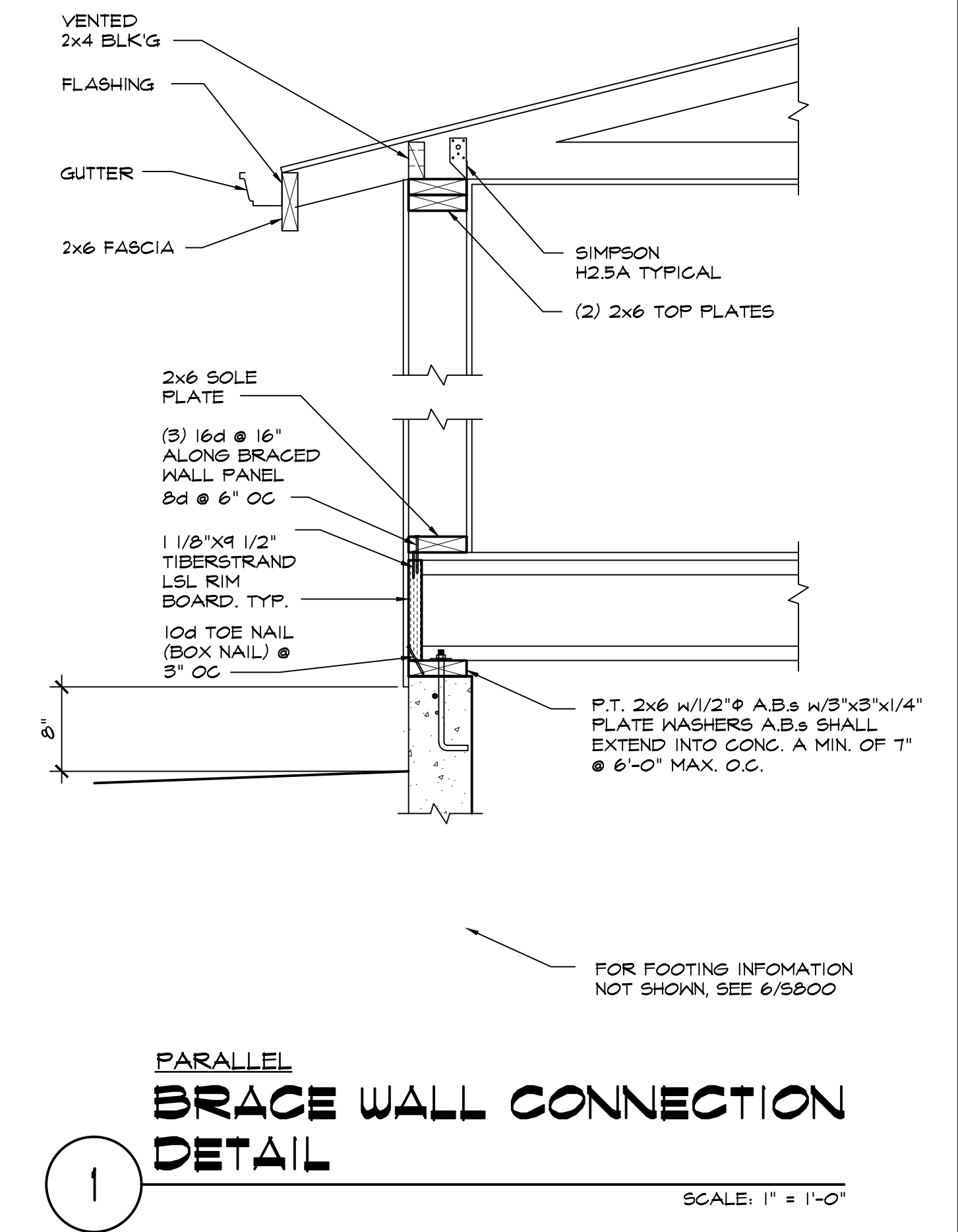
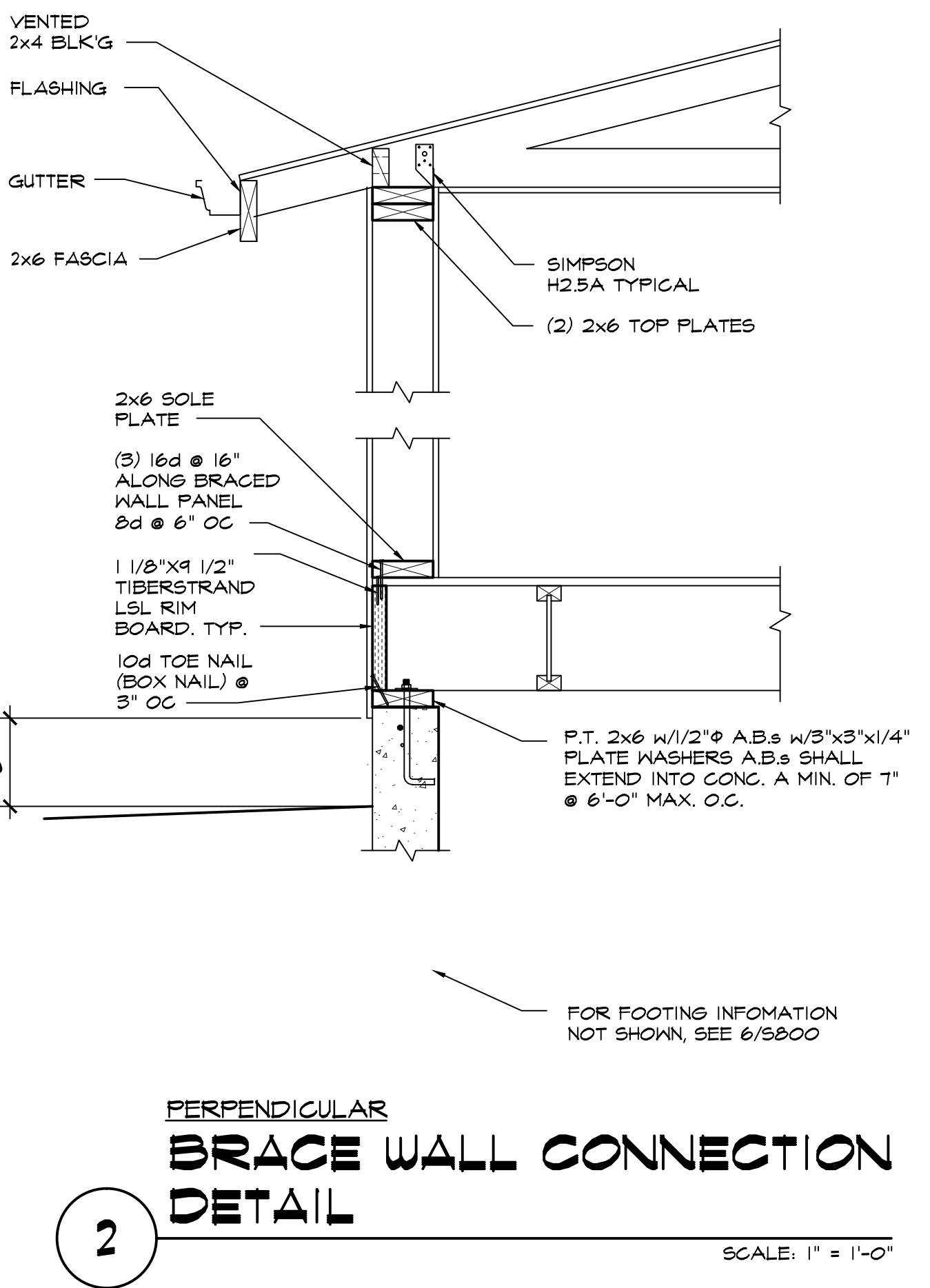
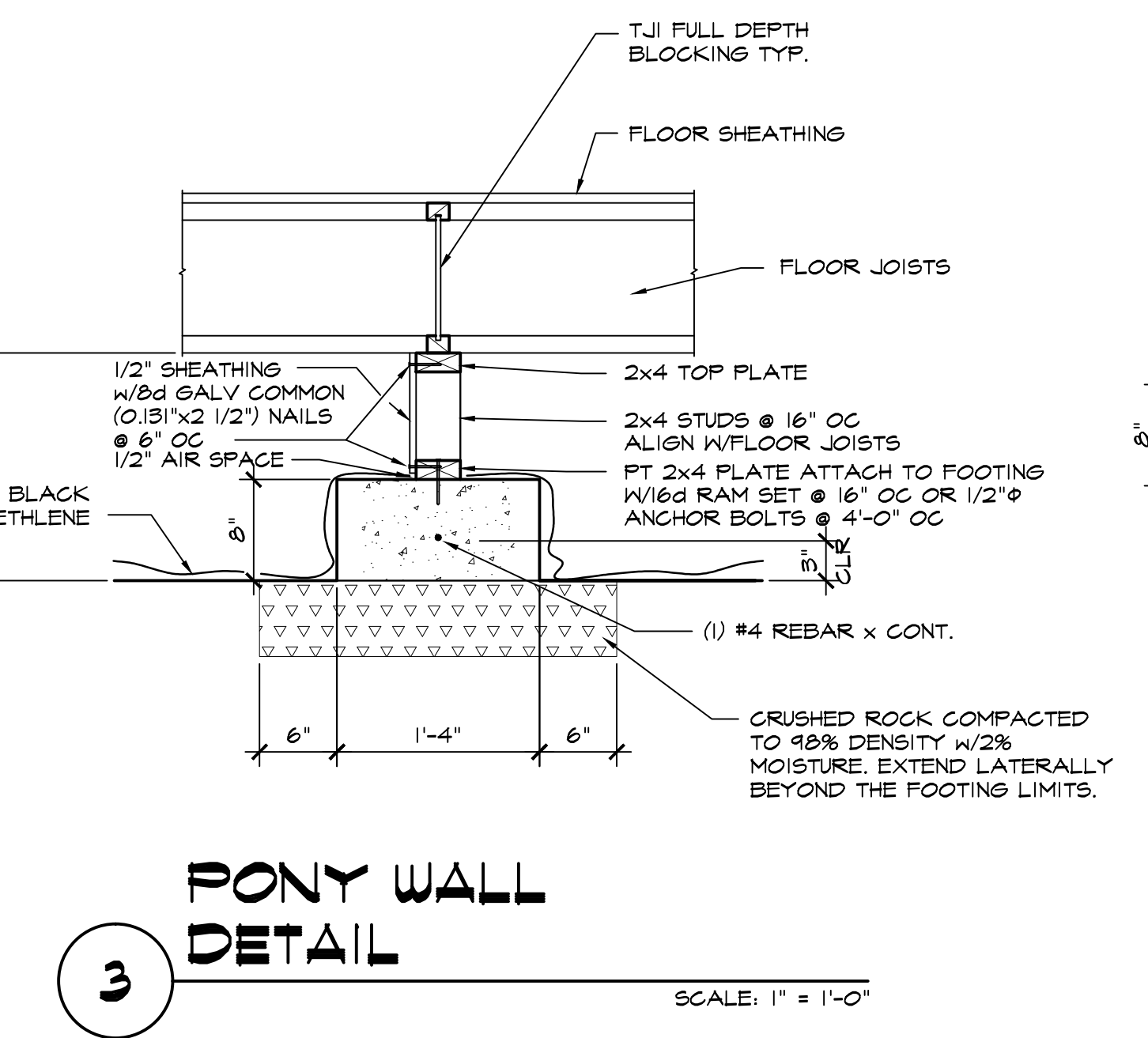
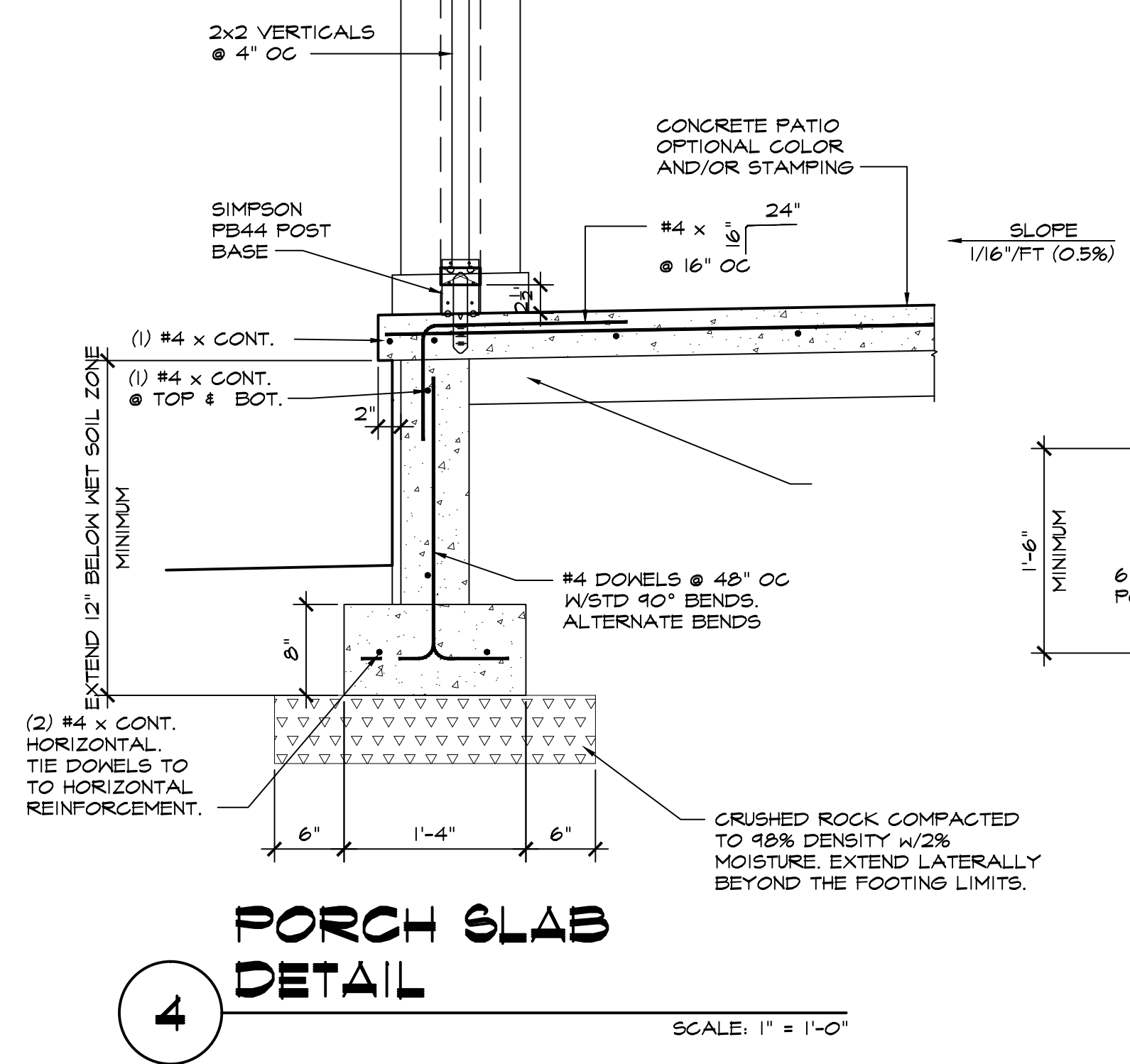
**A NEW RESIDENCE**  
**LOT 7, WETLEAU DRIVE**  
 LOWELL, OR  
**DETAILS**



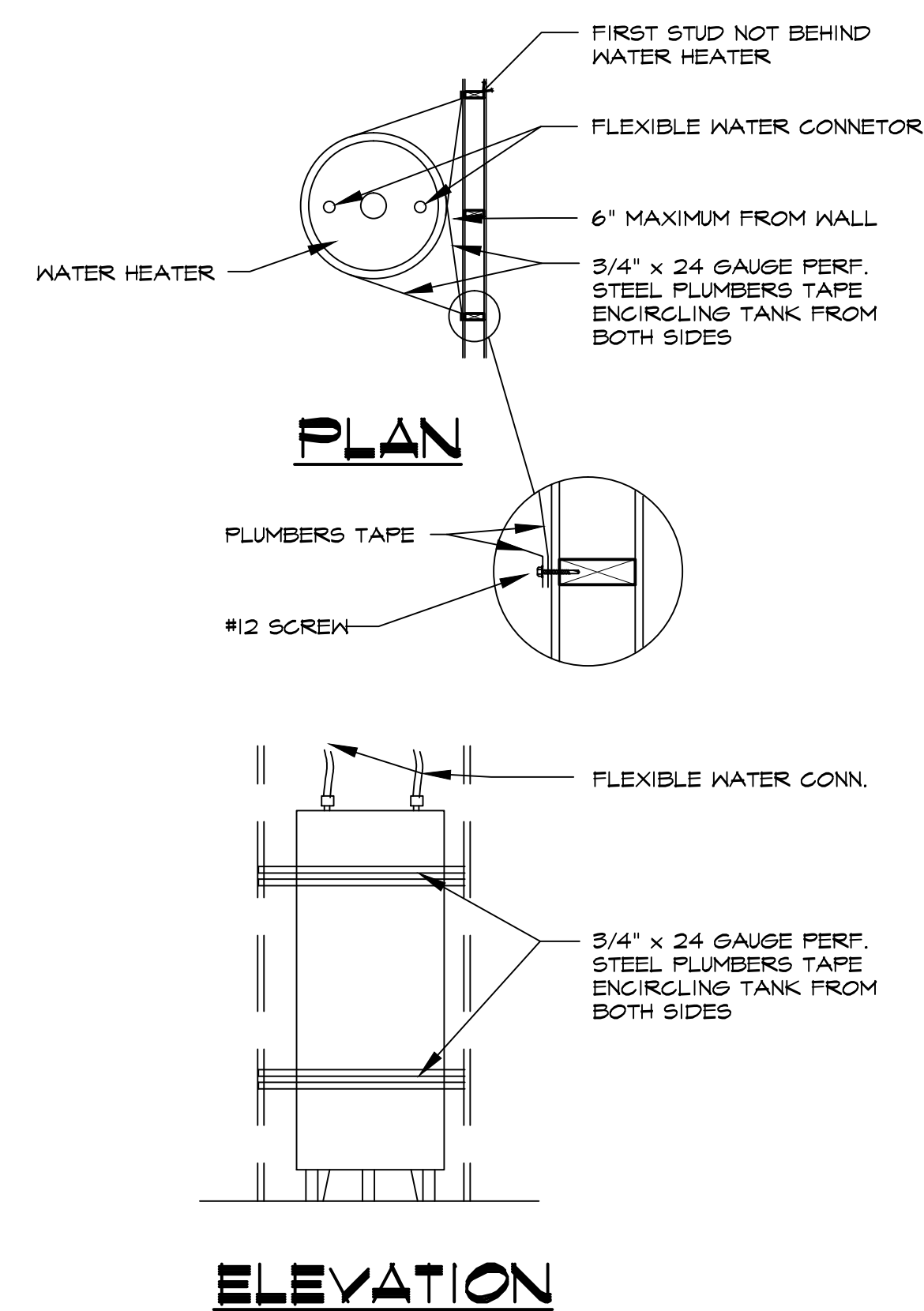
**OREGON HOME DESIGN**  
 Design for the Human Environment  
 WILLIAM E. BARLOW, P.E.  
 P.O. BOX 2023  
 CORVALLIS, OR 97339  
 541-929-8111  
 www.oregonhomedesign.com

DATE 12/08/2017  
 SCALE AS SHOWN  
 DRAWN WEB  
 SHEET

**A900**



**PRELIMINARY NOT FOR CONSTRUCTION**



**WATER HEATER SEISMIC STRAPPING**

2

SCALE: 1"=1'-0"

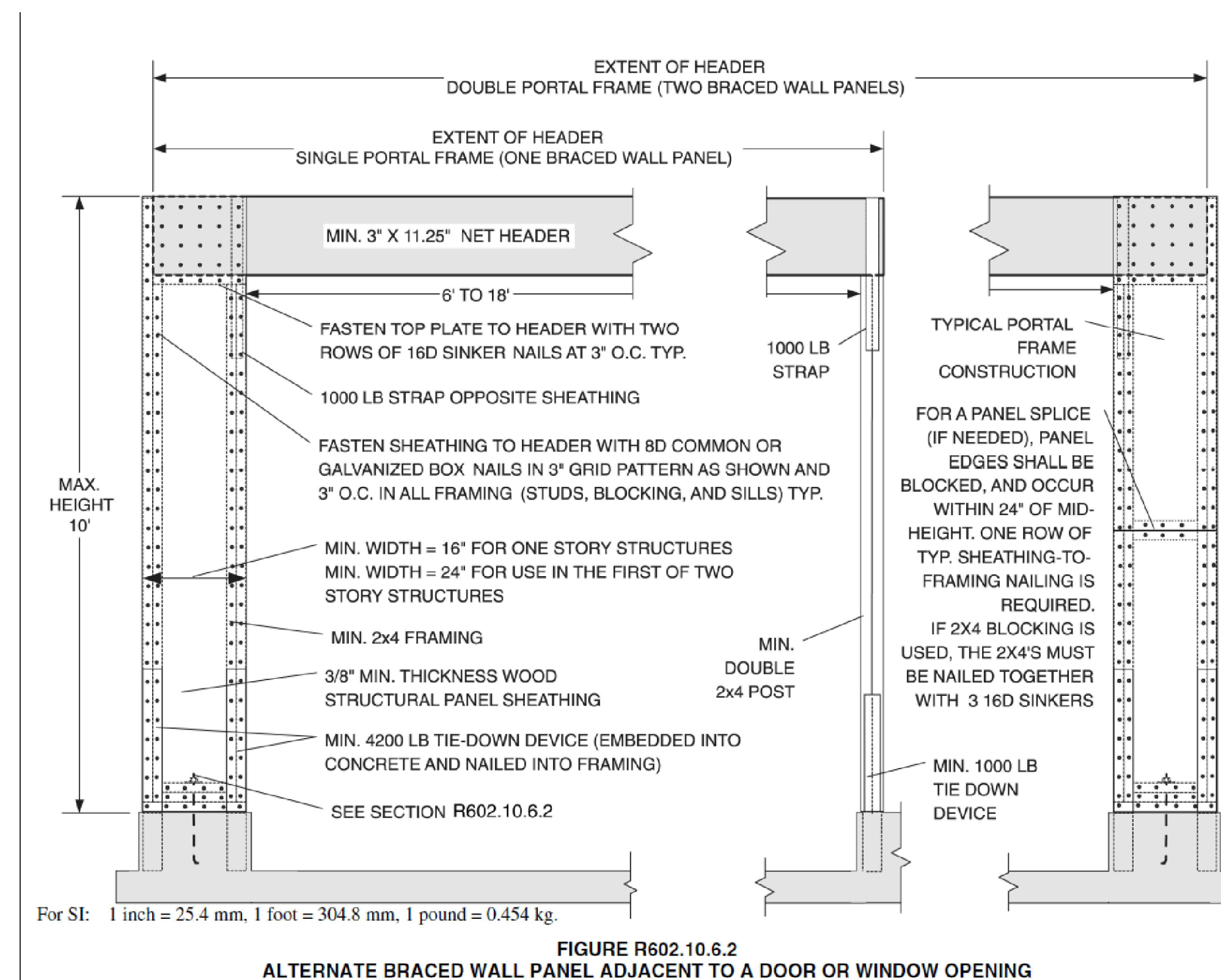


FIGURE R602.10.6.2  
ALTERNATE BRACED WALL PANEL ADJACENT TO A DOOR OR WINDOW OPENING

**ALTERNATE BRACED PANEL DETAIL**

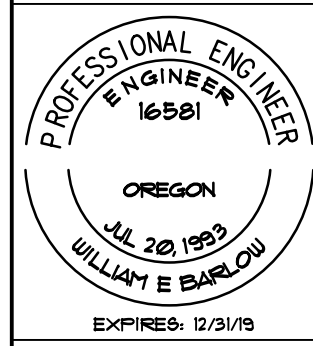
1

SCALE: 1"=1'-0"

PRELIMINARY  
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SHEET

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