

A NEW RESIDENCE

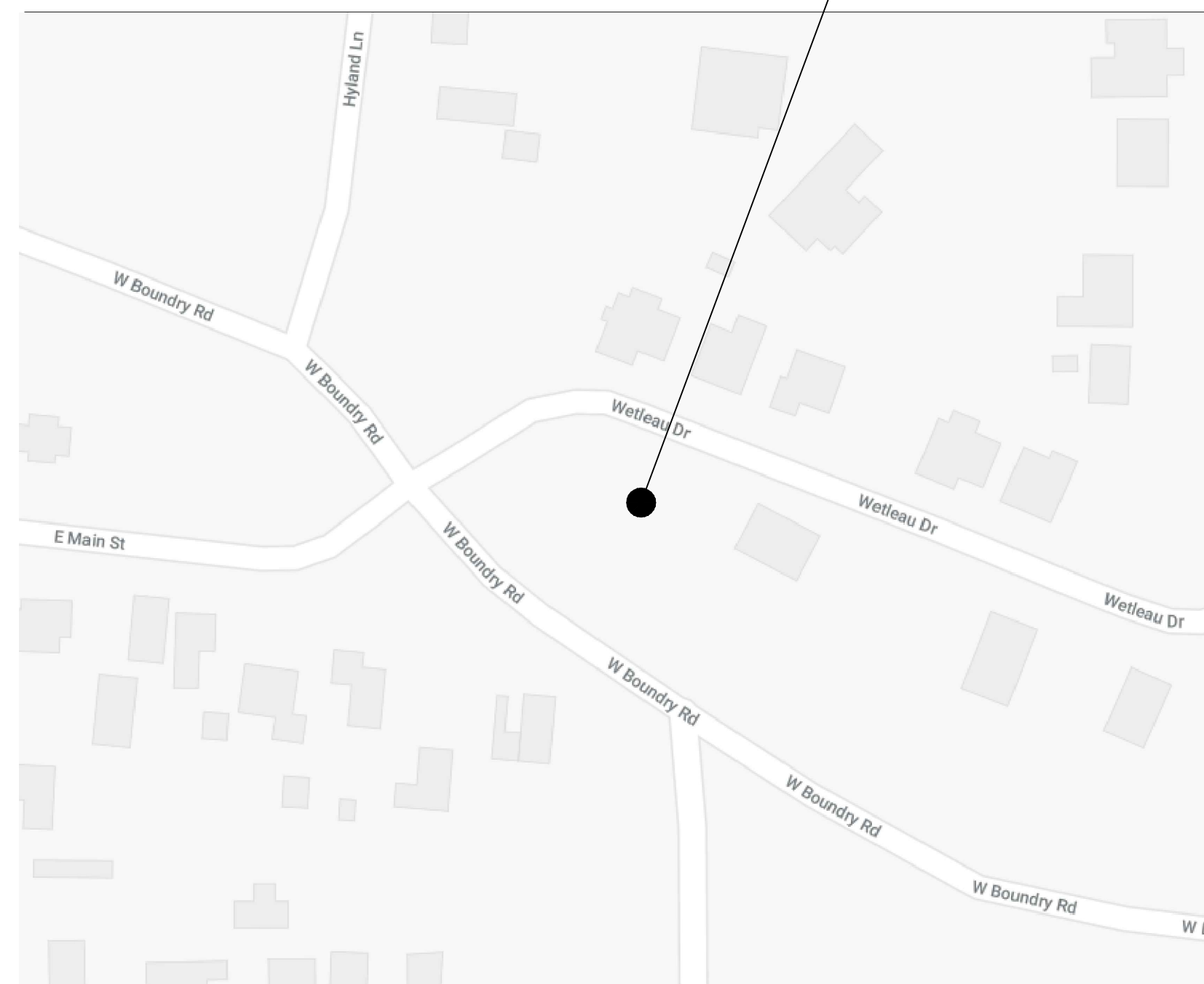
LOT 20, WETLEAU DRIVE

LOWELL, OR 97452

DESIGN INFORMATION

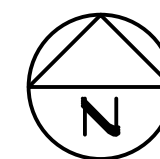
- ALL WORK IS TO COMPLY WITH THE STATE OF OREGON 2011 EDITION OF THE OREGON RESIDENTIAL SPECIALTY CODE LATERAL: STATEWIDE ALTERNATE METHOD, OCTOBER 2014 NO. 13-01 WALL BRACING (REF: ORS 455.060), 2008 ORSC
- FLOOR LIVE LOAD: 40 P.S.F.
- ROOF LIVE LOAD: 25 P.S.F.
- SNOW LOAD:
FLAT-ROOF SNOW LOAD, P_f: 25 P.S.F.
- WIND DESIGN DATA:
BASIC WIND SPEED (3-SEC GUST): 100 M.P.H.
- EARTHQUAKE DESIGN DATA:
SEISMIC DESIGN CATEGORY: D1
SEISMIC IMPORTANCE FACTOR, I: 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
S_a: 0.649 g
S_i: 0.342 g
SITE CLASS:
DESIGN SPECTRAL RESPONSE COEFFICIENTS:
SD₀: 0.554 g
SD₁: 0.392 g
SEISMIC DESIGN CATEGORY: D
SEISMIC FORCE RESISTING SYSTEM: BEARING WALL, LIGHT FRAMED SHEATHED W/WOOD (ASCE 7, p.120)
SEISMIC RESPONSE COEFF.: 0.117
RESPONSE MODIFICATION FACTOR, R: 6.5
- GEOTECHNICAL INFORMATION:
DESIGN LOAD BEARING VALUE: 1500 P.S.F. (ASSUMED)
- FLOOD DESIGN DATA:
FIRM MAP NUMBER: FM14039C1695F
EFFECTIVE DATE: JUNE 2, 1999
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

PROJECT LOCATION
LOT 20, 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 541-501-0834 CELL.
ST. VINCENT DE PAUL SOCIETY 541-681-5820 DESK
OF LANE COUNTY
2890 CHAD DRIVE
EUGENE, OR 97408

SITE LOCATION

LOT 20
WETLEAU ESTATES
CITY OF LOWELL
LANE COUNTY, OREGON
TAX MAP/LOT: 19201424/05600
LATITUDE: 43.91809
LONGITUDE: -122.718442

SQUARE FOOTAGE

HOUSE AREA:	1397	sq ft
GARAGE AREA:	424	sq ft
	1821	sq ft
PORCH:	70	sq ft

PRELIMINARY
BID SET

INDEX TO DRAWINGS

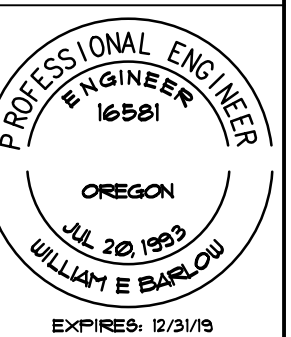
T0.0	TITLE SHEET
C1.0	SITE PLAN
N1.0	NOTES
A1.0	NORTH & EAST ELEVATIONS
A1.1	SOUTH & WEST ELEVATIONS
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S5.2	DETAILS
S6.0	WALL BRACING

NOTE

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

REVISIONS	BY

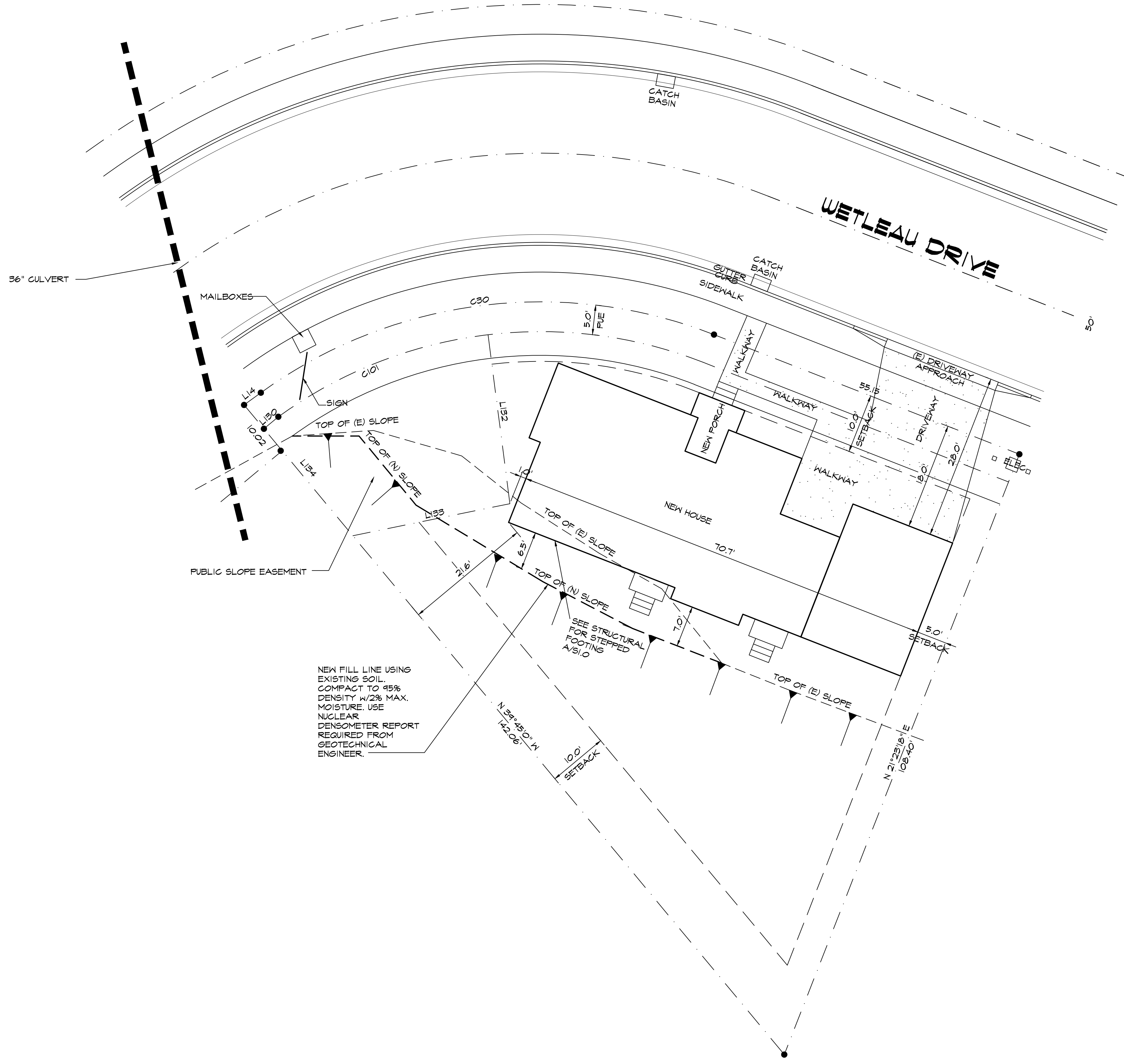
A NEW RESIDENCE
Lot 20 - Wetleau Estates
LOWELL, OR
TITLE SHEET



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DATE: 3.22.2018
SCALE: AS SHOWN
DRAWN: WEB
SHEET:

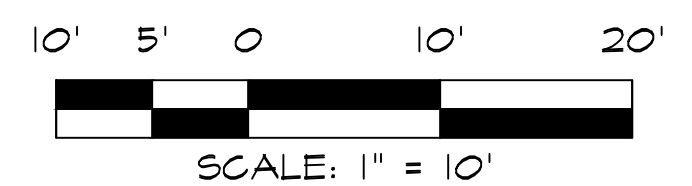
T0.0



LINE TABLE		
LINE	BEARING	LENGTH
L14	N54°00'00"E	3.49
L150	N54°00'00"E	3.17
L152	S06°01'22"E	20.47
L153	S70°21'20"W	26.95
L154	N39°45'00"W	23.39

CURVE TABLE				
CURVE	DELTA	RADIUS	ARC	LONG CHORD
C30	57°23'10"	80.00	80.13	S02°41'39"W 76.82
C101	29°20'30"	75.00	38.59	N60°44'19"E 38.16

NEW FILL LINE USING EXISTING SOIL. COMPACT TO 95% DENSITY w/2% MAX. MOISTURE. USE NUCLEAR DENSMETER REPORT REQUIRED FROM GEOTECHNICAL ENGINEER.



A SITE PLAN

PRELIMINARY BID SET

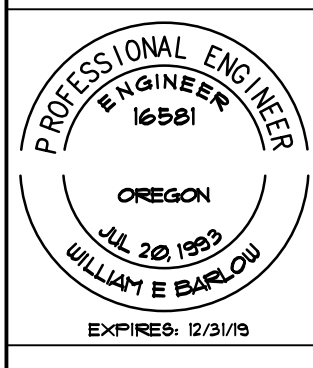
- NOTES**
- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES WITH LOCATE SERVICE, CITY OF LOWELL PUBLIC WORKS, AND BY POT HOLES.
 - SEE GEOTECHNICAL REPORT: BRANCH ENGINEERING, INC. (503.749.2571) RONALD J. DERRICK, G.E. AUGUST 25, 2017 RE: BUILDING PAD DRAINAGE EVALUATION LOTS 4 & 7 WETLEAU 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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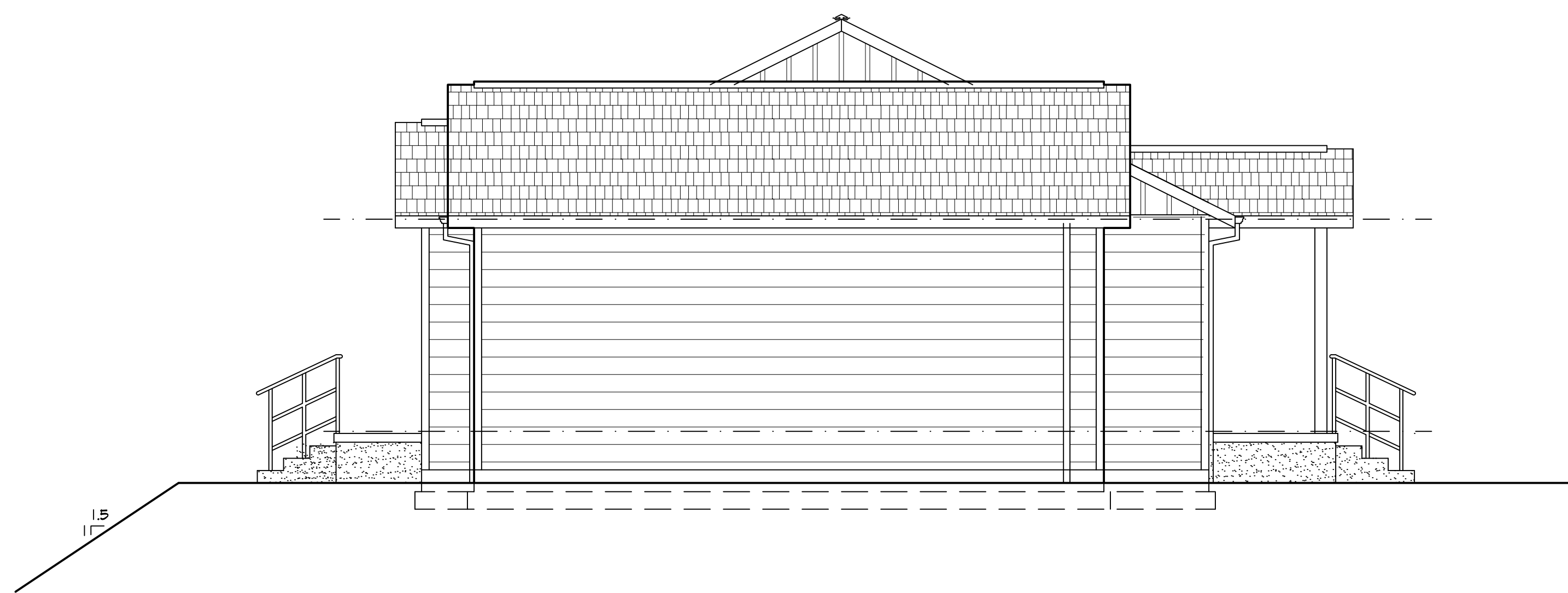
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 Lot 20 - Wetleau Estates
 LOWELL, OR
 SITE PLAN



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 SCALE AS SHOWN
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 SHEET

C1.0



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



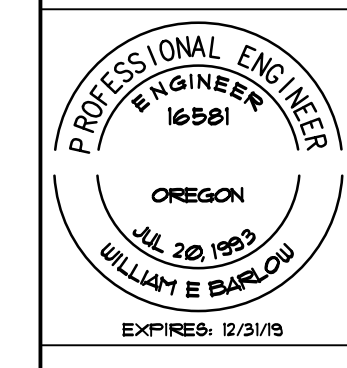
A NORTH ELEVATION
SCALE: 1/4"=1'-0"

- RIDGE VENT TYPICAL
INSTALL PER MANUFACTURER
- COMPOSITION SHINGLES
COORDINATE COLOR AND MATERIAL
WITH OWNER. SHINGLES OVER
15# FELT, FASTEN PER MFG.
FLASH AT BASE, GAPS, AND VALLEYS
- GALV. OR ALUMINUM GUTTER ON 2x6
FASCIA W/DOWNSPOUTS. DISCHARGE TO
AN APPROVED LOCATION. SEE OWNER
FOR COLOR & FINISH.
2x6 FASCIA W/ METAL GUTTERS
& 2x3 DOWNSPOUTS. DISCHARGE
TO AN APPROVED LOCATION
- HARDIPLANK LAP SIDING 5/16" THK. 6" EXPOSURE
TYPICAL OVER 15# FELT. APPLY FELT
HORIZONTALLY, WITH UPPER LAYER LAPPED OVER
LOWER LAYER NOT LESS THAN 2". WHERE JOINS
OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6".
CAULK ENDS, COVERED WITH A BATTEN OR SEALED
AND INSTALLED OVER A STRIP OF FLASHING.
ALTERNATE: MOISTURE BARRIER, INSTALL PER
MANUFACTURER'S INSTRUCTIONS. FOR HARDIPLANK
USE 6d CORROSION RESISTANT NAILS, FACE
NAILING; (2) NAILS AT EACH STUD CONCEALED
NAILING; (1) 6d GALV. BOX NAIL AT EACH STUD. USE:
7/16" SHEATHING PLYWOOD OR OSB W/PANEL SPAN
RATING 24/16. FASTEN W/8d COMMON NAILS
(2.5"x0.131") @ 6" OC @ EDGES AND 12" OC FIELD.
- 5/4" x 3 1/2" PRE-PRIMED
CORNER BOARDS
AND WINDOW/DOOR TRIM
5/4" x 5 1/2" ABOVE WINDOWS & DOORS

PRELIMINARY
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REVISIONS	BY

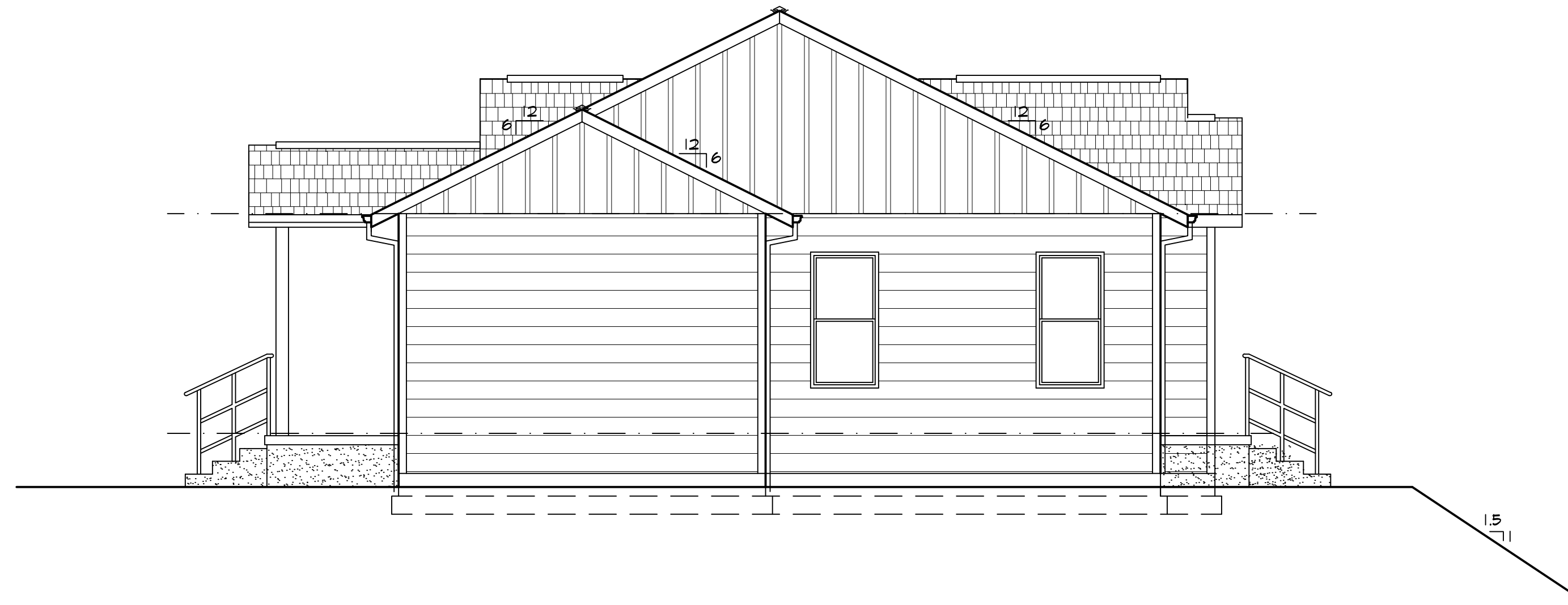
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NORTH & EAST ELEVATIONS



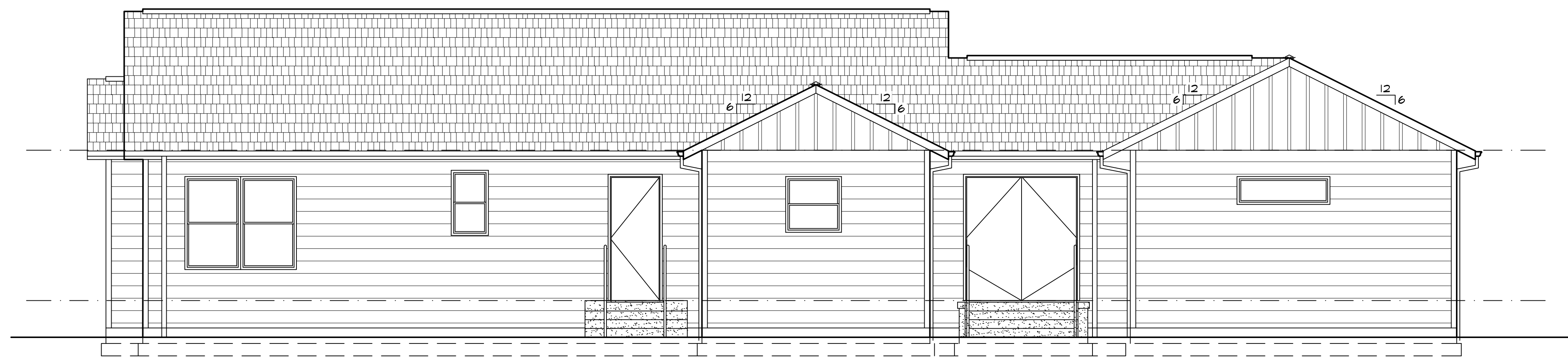
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DRAWN WEB
SHEET

A1.0



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

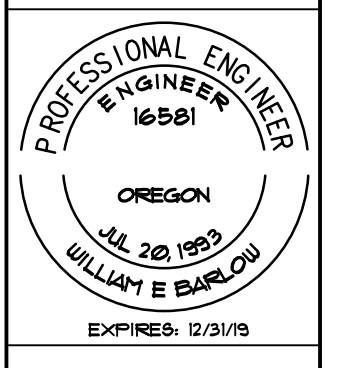


A SOUTH ELEVATION
SCALE: 1/4"=1'-0"

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BID SET

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A NEW RESIDENCE
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LOWELL, OR
SOUTH & WEST ELEVATIONS



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DRAWN WEB
SHEET

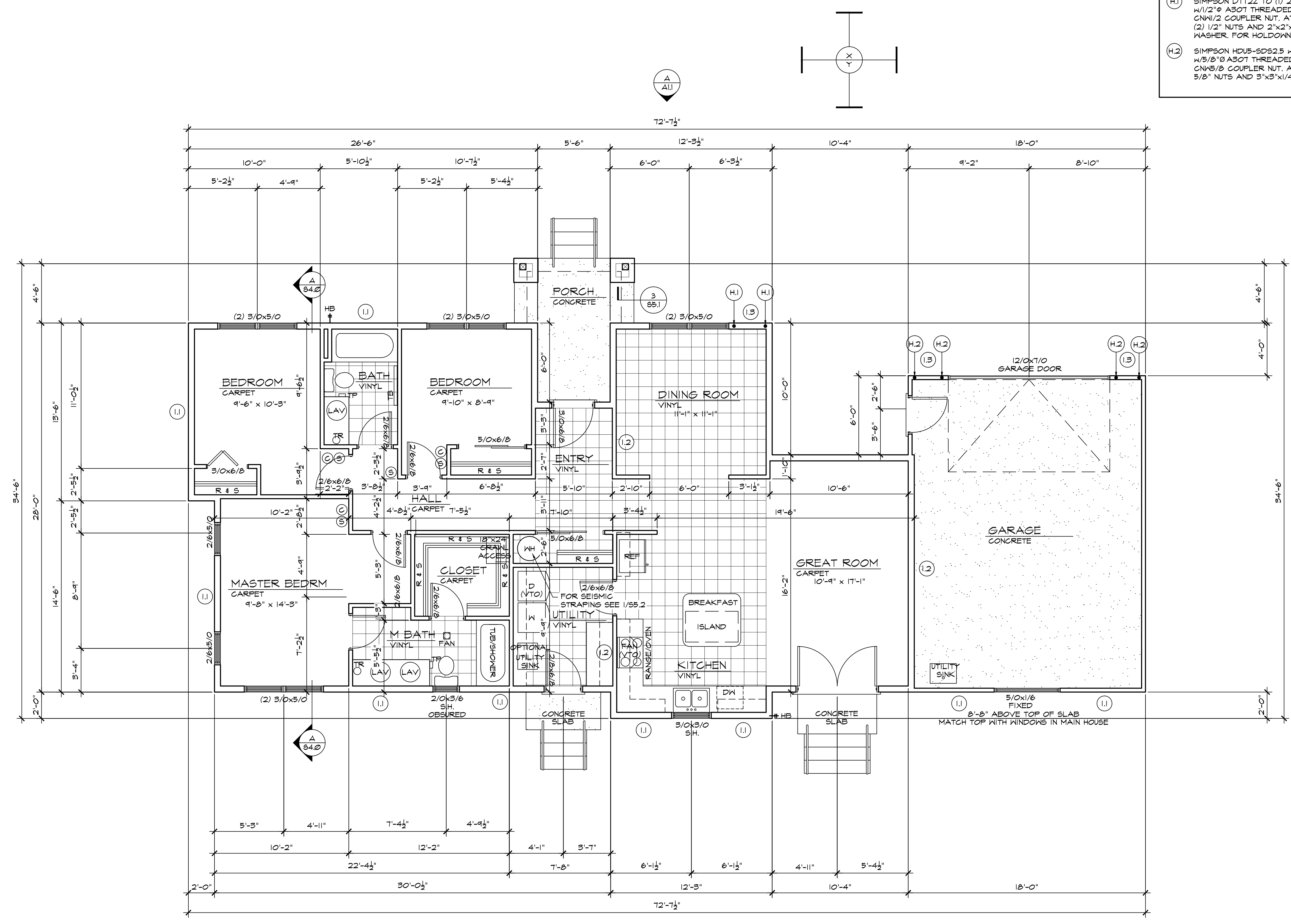
A1.1

REVISIONS	BY

HOLDOWNS	NOTES
(H.1) SIMPSON DTT2Z TO (1) 2x6 POST W/1/2" A307 THREADED ROD AND CAN/2 COUPLER NUT. AT BOTTOM USE (2) 1/2" NUTS AND 2"x2"x1/4" PLATE WASHER. FOR HOLDOWN SEE 5/55.1	THE CONTRACTOR SHALL: 1. COORDINATE WINDOW AND DOOR STYLES AND MATERIAL WITH OWNER. 2. COORDINATE HOT TUB MANUFACTURER, SIZE, AND STYLE WITH OWNER. 3. COORDINATE FINISHED FLOORING WITH OWNER. 4. COORDINATE EXTERIOR AND INTERIOR PAINT COLOR(S) WITH OWNER. 5. COORDINATE MOULDING AND TRIM WITH OWNER.
(H.2) SIMPSON HDU5-SDS25 W/(2) 2x6 POST W/5/8" A307 THREADED ROD AND CAN/8 COUPLER NUT. AT BOTTOM USE (2) 5/8" NUTS AND 3"x3"x1/4" PLATE WASHER.	(C) CARBON MONOXIDE DETECTOR SEE GENERAL NOTES SHEET A100 (S) SMOKE DETECTOR SEE GENERAL NOTES SHEET A100

WALL BRACING NOTES

- LATERAL DESIGN IN ACCORDANCE WITH 2008 ORSC WALL BRACING PROVISIONS, R602.10 STATEWIDE ALTERNATE METHOD ORSC 15-01 (REF. ORS 455.060) JANUARY 2013
 - SEGMENTAL WALL BRACING
 - TOP PLATE LAPS IN BRACED WALL PANELS SHALL BE FACED NAILED WITH AT LEAST (8) 16d NAILS ON EACH SIDE OF THE SPLICE. SEE 4/55.2
 - 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.
- (1.1) EXTERIOR WALL PANELS 7/16" SHEATHING ON 2x6s @ 24" OC W/8 GALV. COMMON (2 1/2"x0.131) NAILS @ 6" OC EDGES AND 12" OC INTERMEDIATE SUPPORTS & ALL OTHER WALLS.
- (1.2) INTERIOR WALL PANELS INTERIOR 1/2" GYPSUM BOARD EACH FACE ON 2x4 STUDS @ 24" OC W/O ADHESIVE SCREWS: TYPE W OR S (ASTM C 1002) NAILS: 7" MAX. 15 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 AT 7" OC EDGES AND 12" OC AT INTERMEDIATE SUPPORTS
- (1.3) ALTERNATE BRACED PANEL 7/16" SHEATHING ON 2x6s @ 24" OC W/8 GALV. COMMON (2 1/2"x0.131) NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS BLOCK ALL PANEL EDGES.

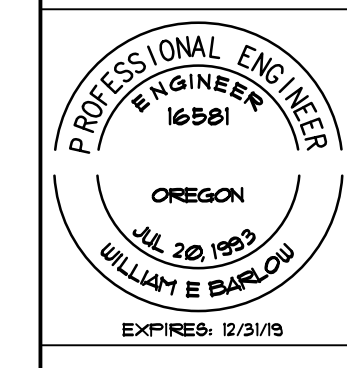


FLOOR PLAN
SCALE: 1/4"=1'-0"

PRELIMINARY BID SET

NOTES
1. DIMENSIONS ARE TO FACE OF SOLE PLATE/STUD.

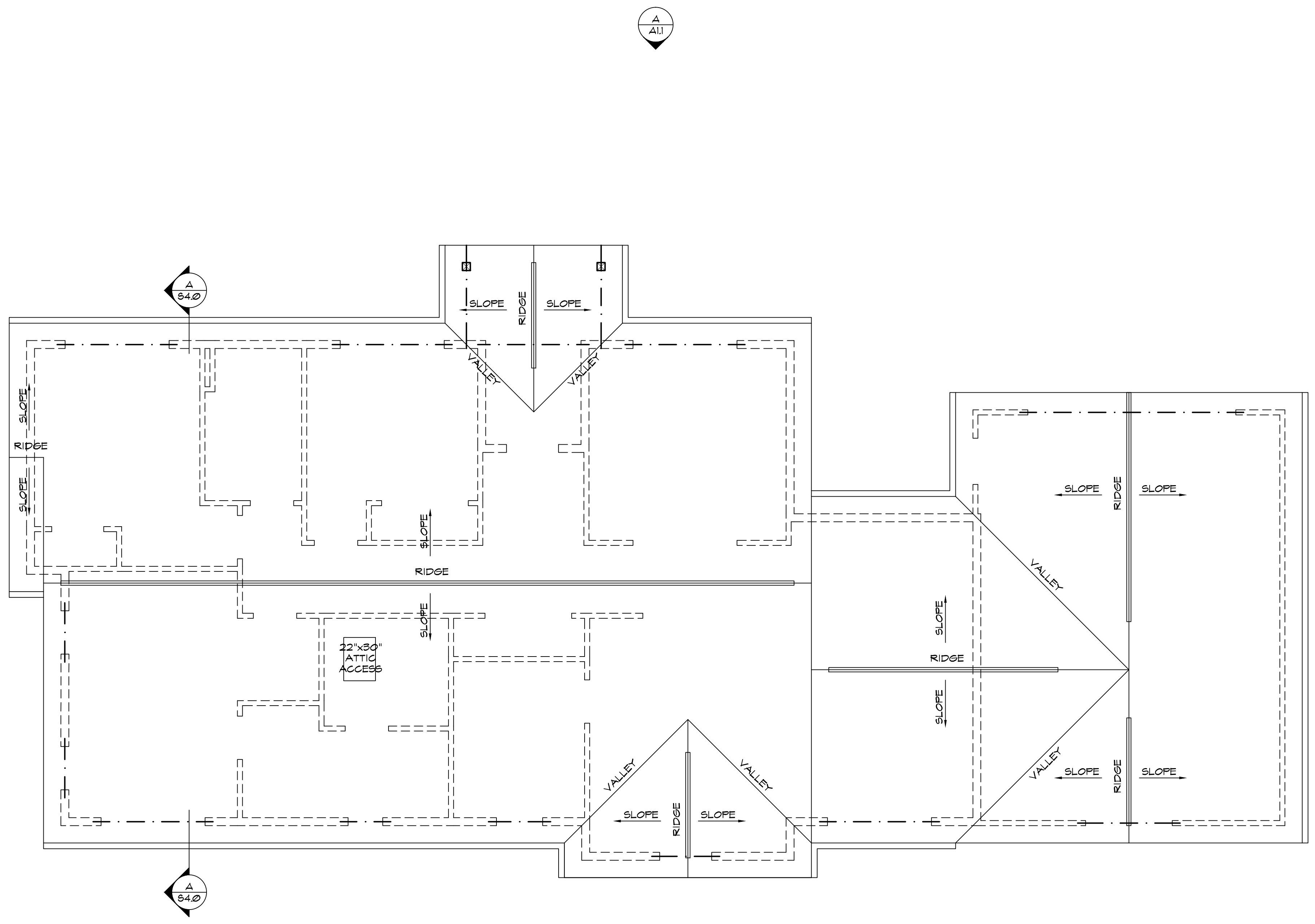
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Lot 20 - Wetleau Estates
LOWELL, OR
FIRST FLOOR PLAN



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SCALE: AS SHOWN
DRAWN: WEB
SHEET:

A2.0

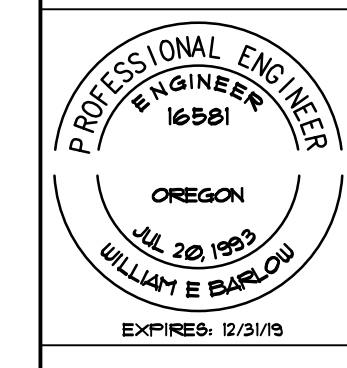


A **ROOF PLAN** **N**
 SCALE: 1/4"=1'-0"

**PRELIMINARY
 BID SET**

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A NEW RESIDENCE
 Lot 20 - Wetleau Estates
 LOWELL, OR
ROOF PLAN



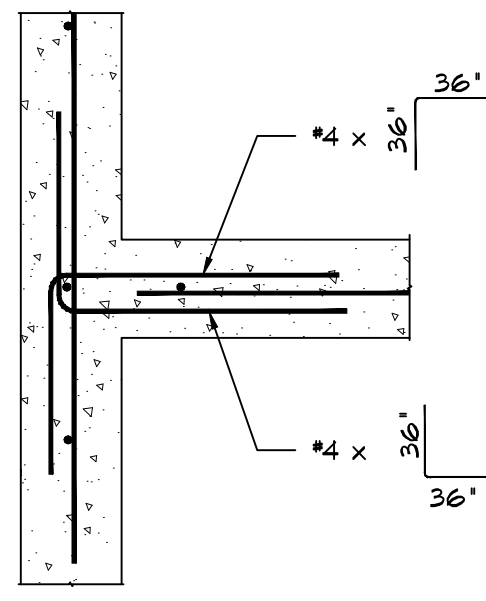
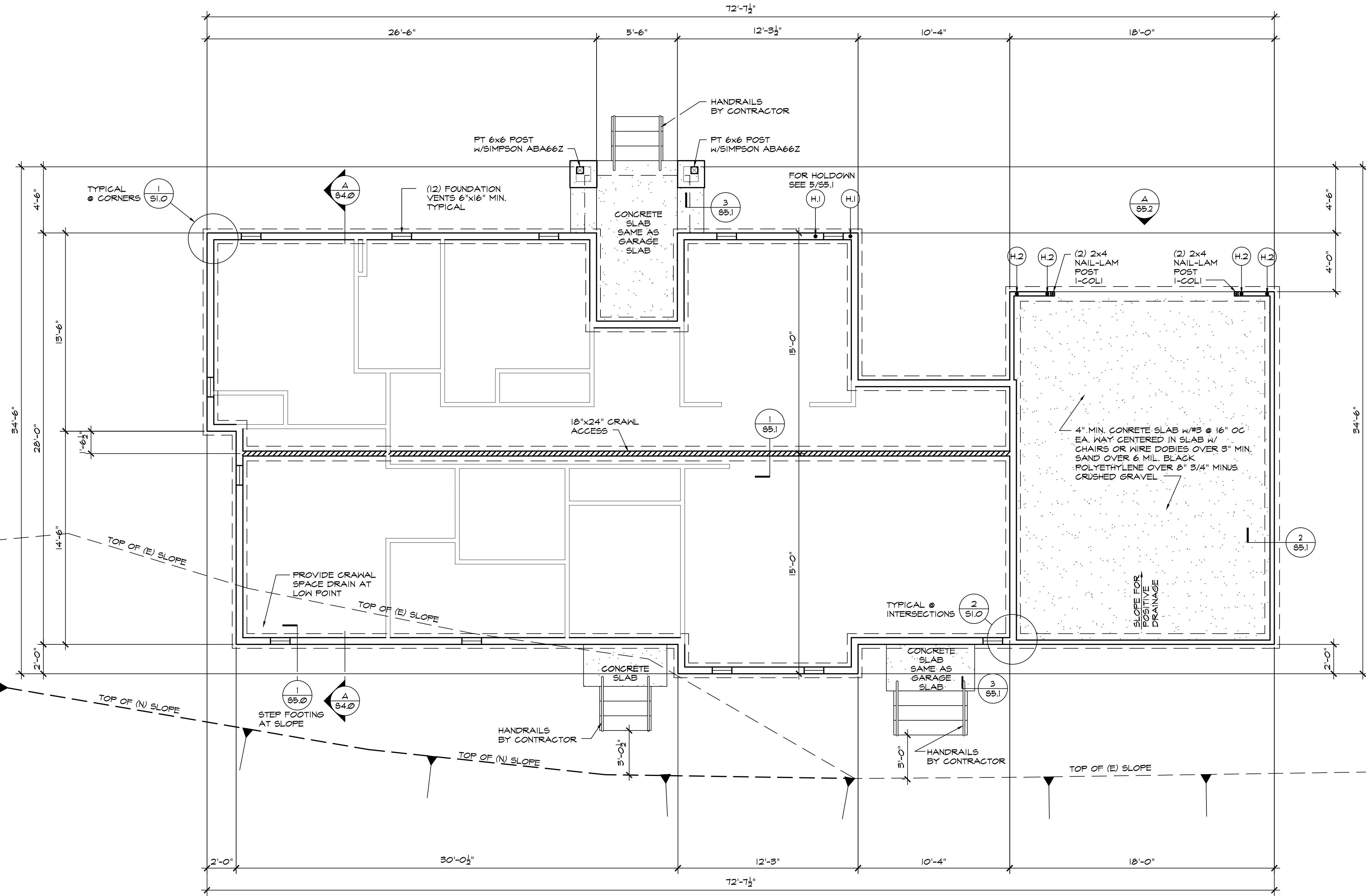
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 DRAWN WEB
 SHEET

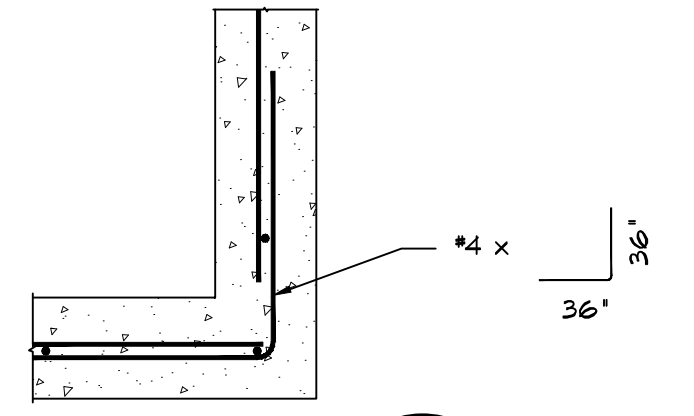
A3.0

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HOLDOWNS	
H.1	SIMPSON DTT2Z TO (1) 2x6 POST W/1/2" Ø A307 THREADED ROD AND CN1/2 COUPLER NUT. AT BOTTOM USE (2) 1/2" NUTS AND 2"x2"x1/4" PLATE WASHER. FOR HOLDOWN SEE 5/55.1
H.2	SIMPSON HDU5-SD52.5 W/(2) 2x6 POST W/3/8" Ø A307 THREADED ROD AND CN3/8 COUPLER NUT. AT BOTTOM USE (2) 3/8" NUTS AND 3"x3"x1/4" PLATE WASHER.



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

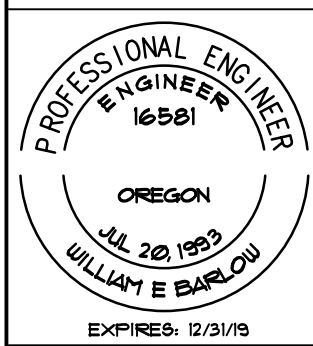


1 DETAIL
SCALE: 1" = 1'-0"

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

PRELIMINARY BID SET

A NEW RESIDENCE
Lot 20 - Wetleau Estates
LOWELL, OR
FOUNDATION PLAN

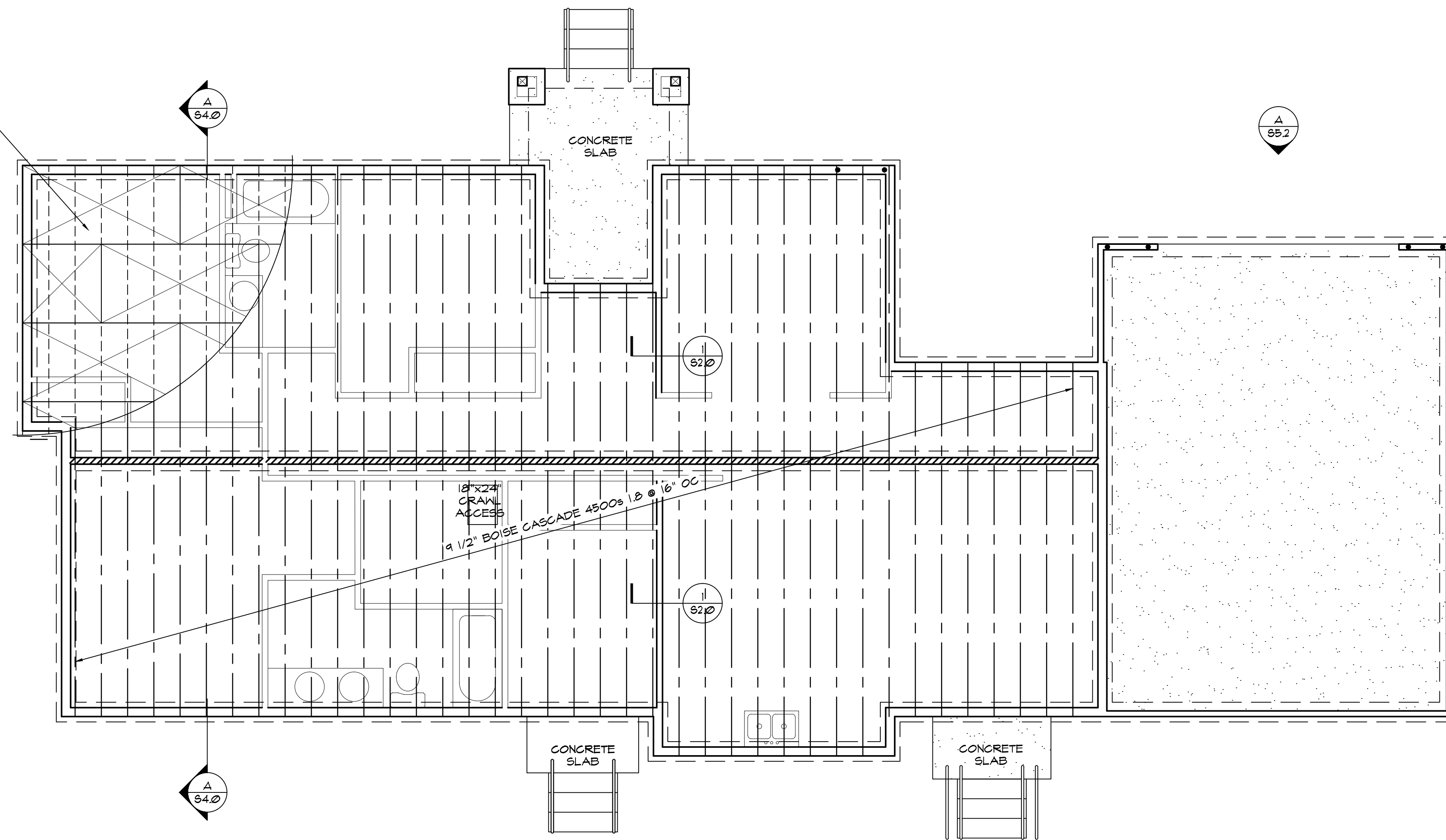


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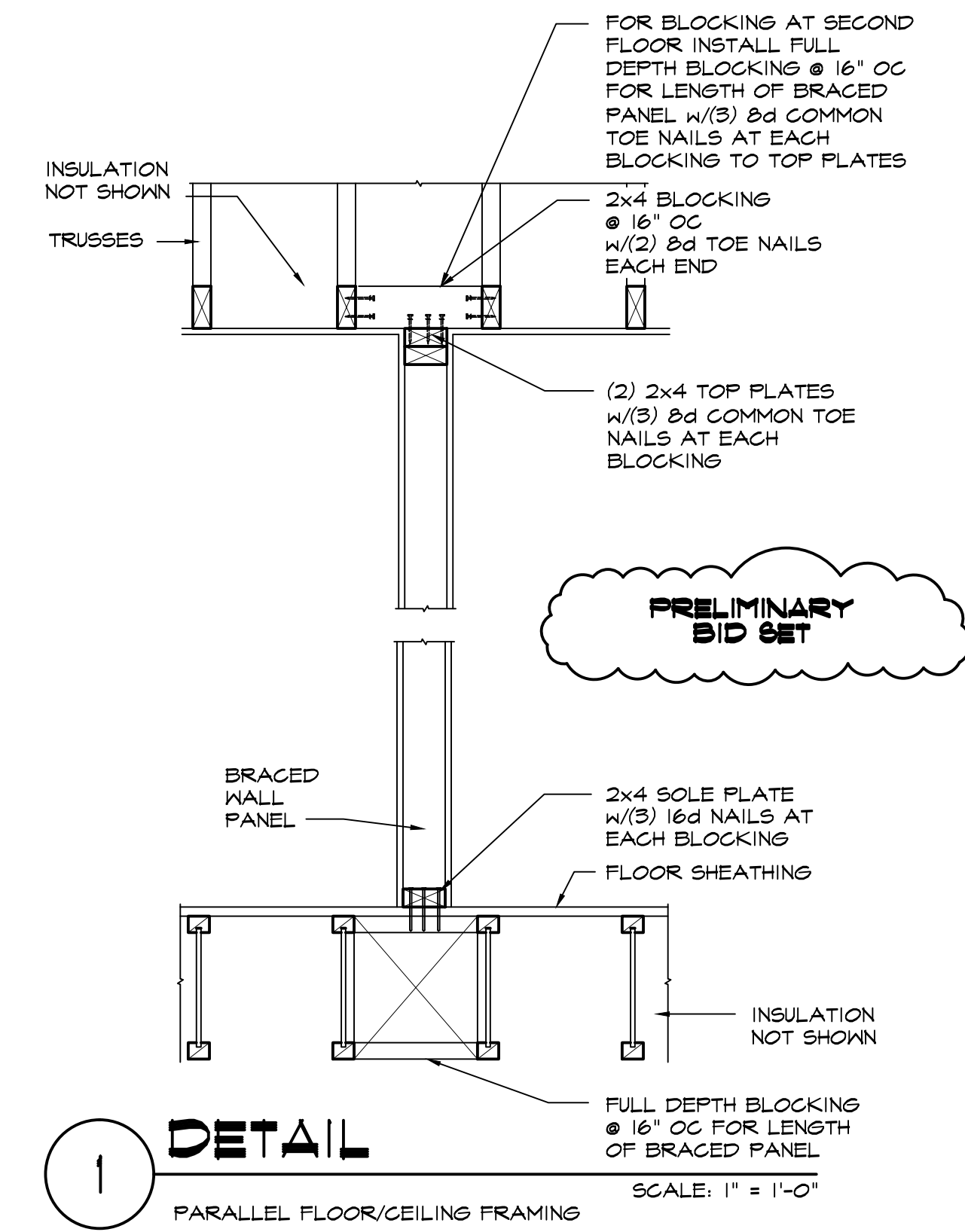
DATE 3.22.2018
SCALE AS SHOWN
DRAWN WEB
SHEET

S1.0

APA RATED STURD-I-FLOOR
 W/PANEL SPAN RATING OF 24" OC
 W/PANEL THICKNESS OF 23/32"
 3/4" OR APA RATED SHEATHING
 48/24 W/PANEL THICKNESS OF
 23/32", 3/4" WITH 8d COMMON (2
 1/2" x 0.131") NAILS @ 6" OC @
 EDGES & 12" OC INTERMEDIATE



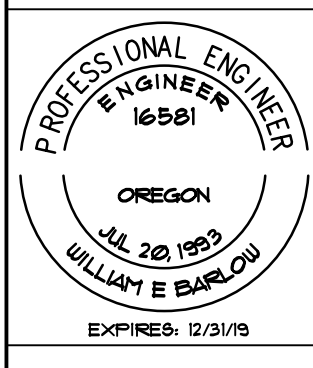
A FLOOR FRAMING PLAN
 SCALE: 1/4"=1'-0"



1 DETAIL
 PARALLEL FLOOR/CEILING FRAMING
 SCALE: 1" = 1'-0"

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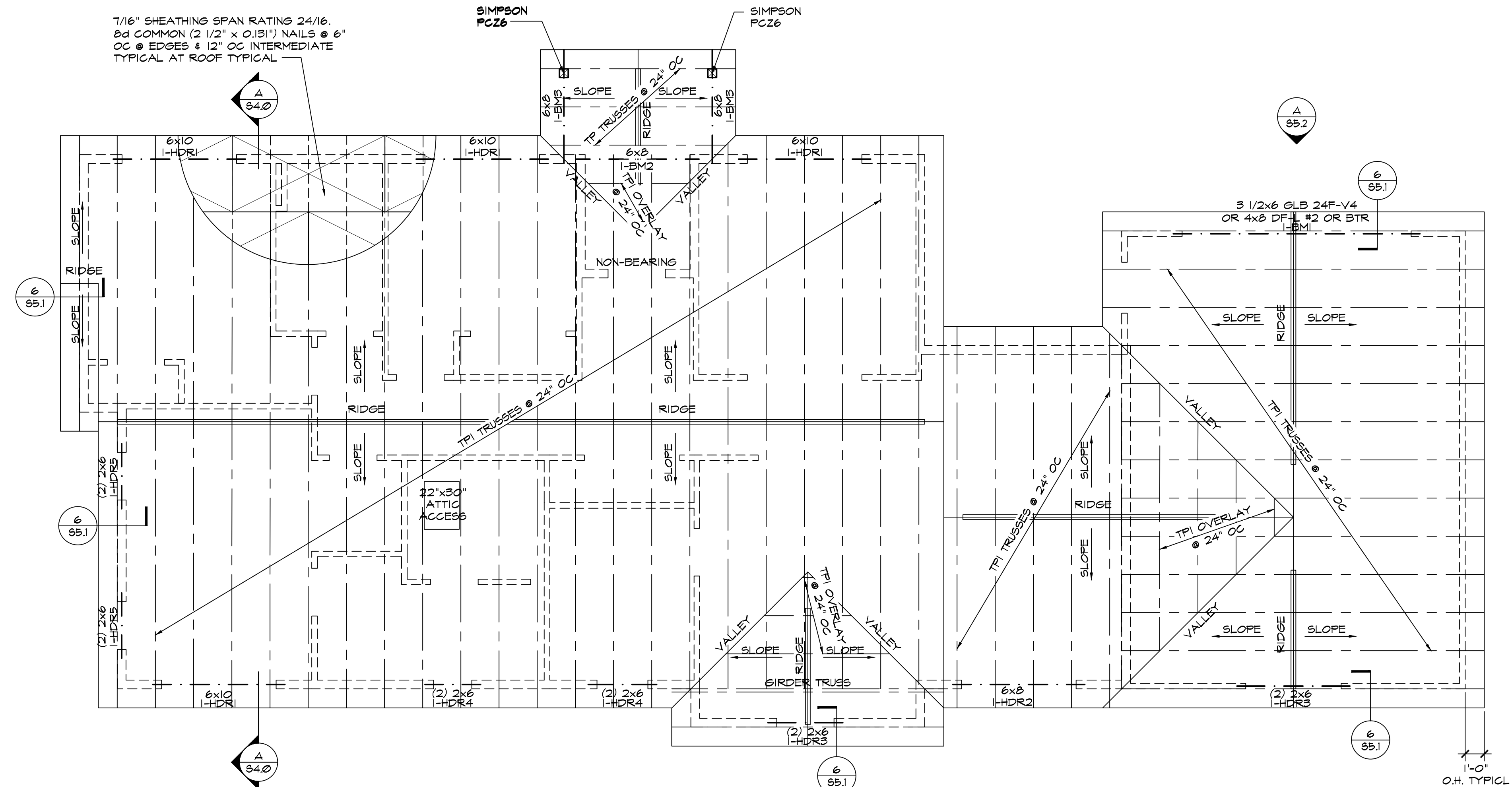
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FIRST FLOOR FRAMING PLAN



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7/16" SHEATHING SPAN RATING 24/16.
2d COMMON (2 1/2" x 0.131") NAILS @ 6"
OC @ EDGES & 12" OC INTERMEDIATE
TYPICAL AT ROOF TYPICAL

SIMPSON PCZ6

6 55.2

3 1/2x6 @ LB 24F-V4
OR 4x8 DFL #2 OR BTR

6 55.1

6 55.1

6 55.1

6 54.0

6 55.1

6 55.1

1'-0" O.H. TYPICAL

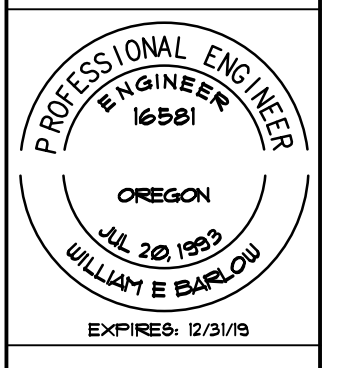
A ROOF FRAMING PLAN

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

- | NOTES | |
|-------|---|
| 1. | FOR TOP PLATE SPLICE SEE 4/55.2 |
| 2. | NAIL-LAM MULTIPLE-MEMBER JOINTS 10d COMMON (3"x0.148") NAILS @ 12" OC STAGGERED |

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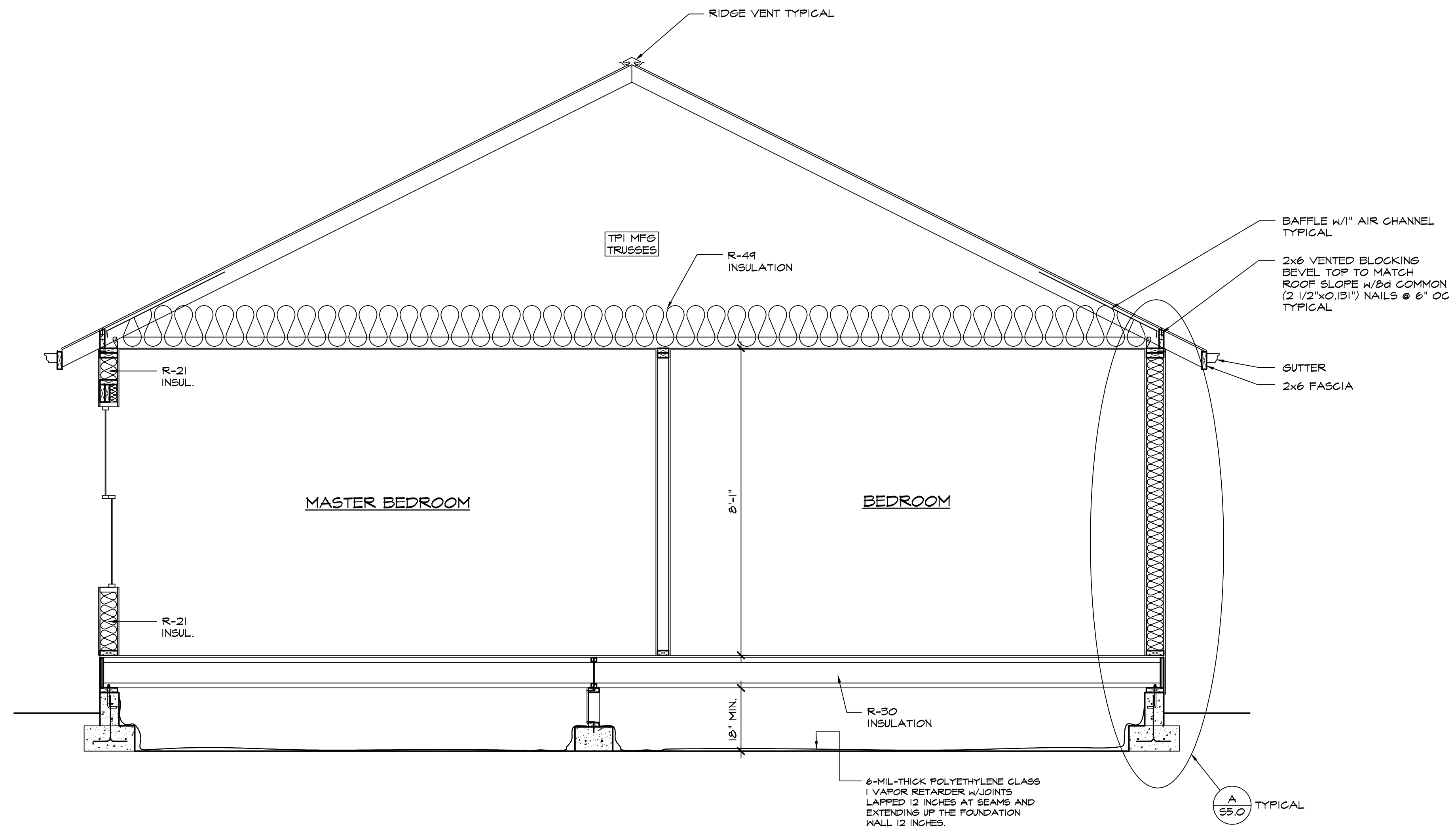
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ROOF FRAMING PLAN



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S3.0

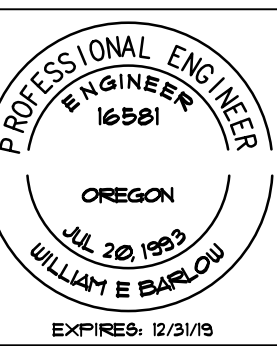


A SECTION
SCALE: 1/2"=1'-0"

PRELIMINARY
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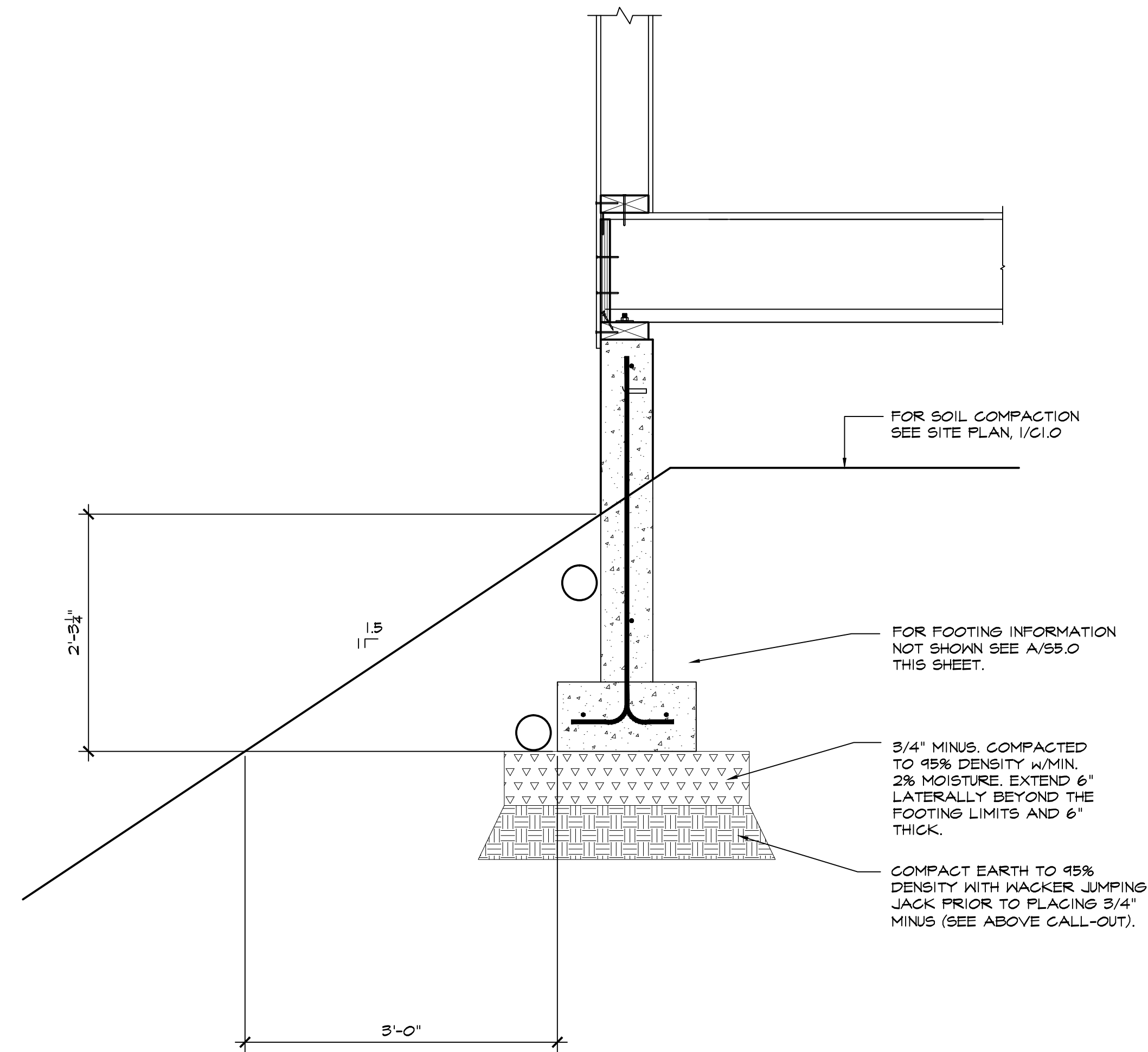
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SECTION



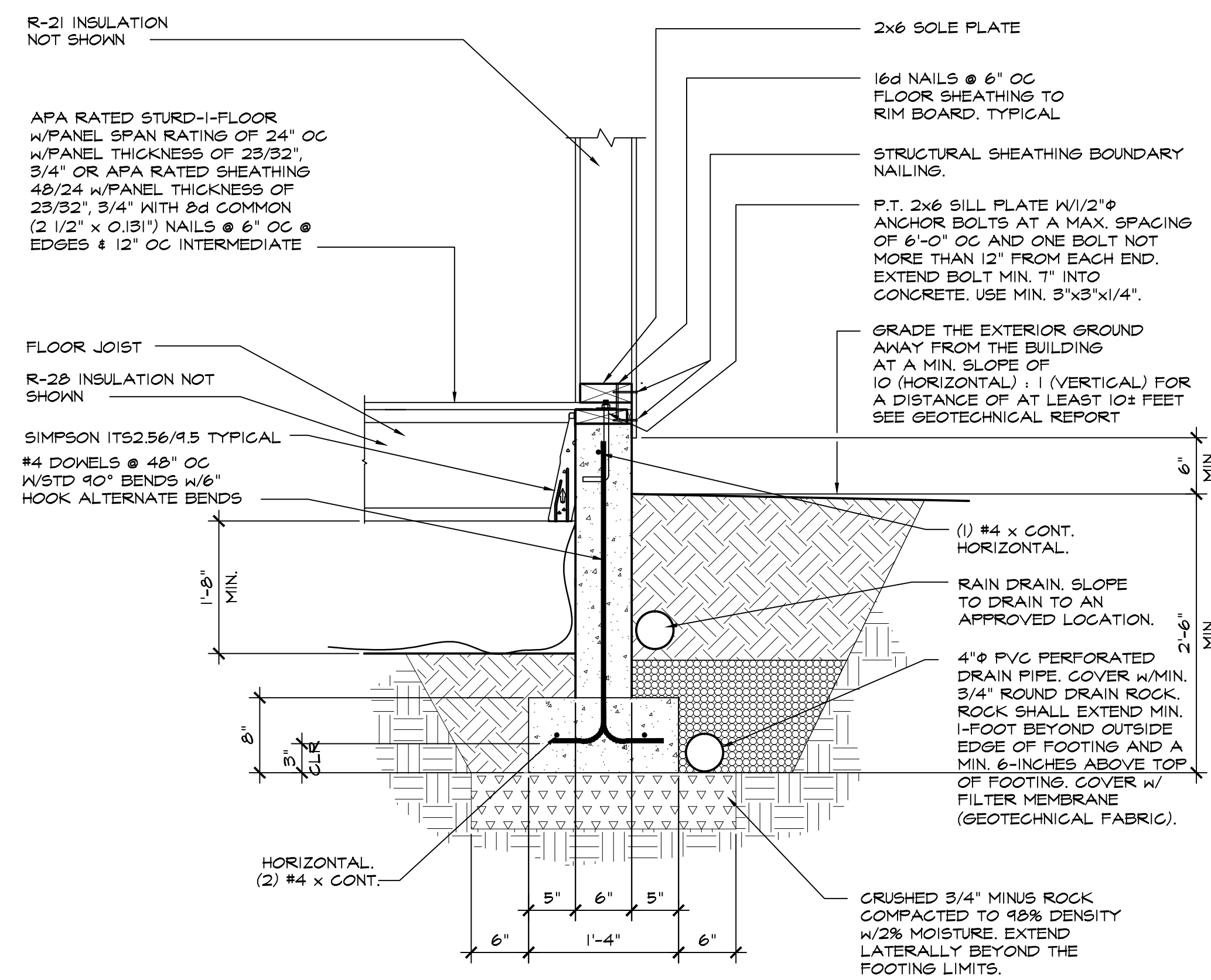
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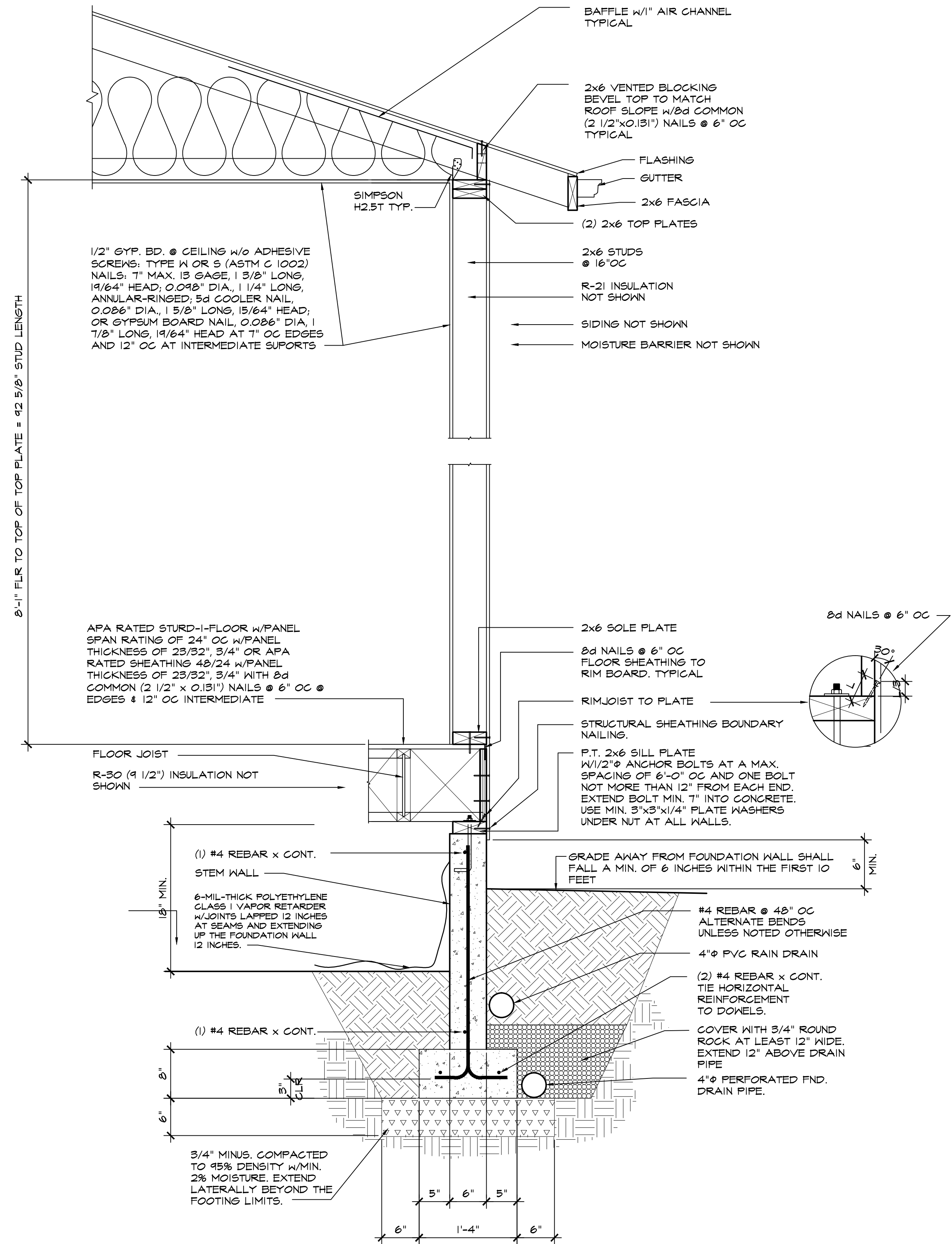
S4.0



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



ALTERNATE FOUNDATION

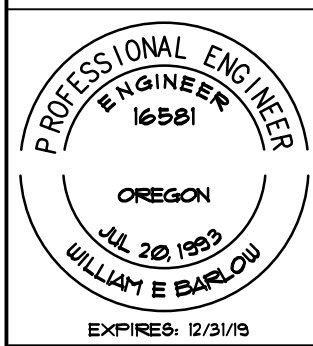


A SECTION
NOT TO SCALE

PRELIMINARY BID SET

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A NEW RESIDENCE
Lot 20 - Wetleau Estates
LOWELL, OR
DETAILS



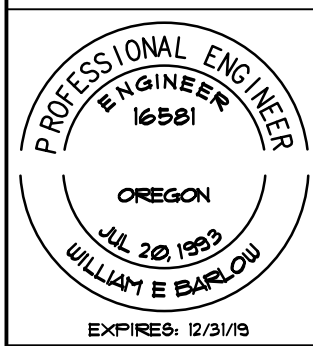
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DATE: 3.22.2018
SCALE: AS SHOWN
DRAWN: WEB
SHEET

S5.0

REVISIONS	BY

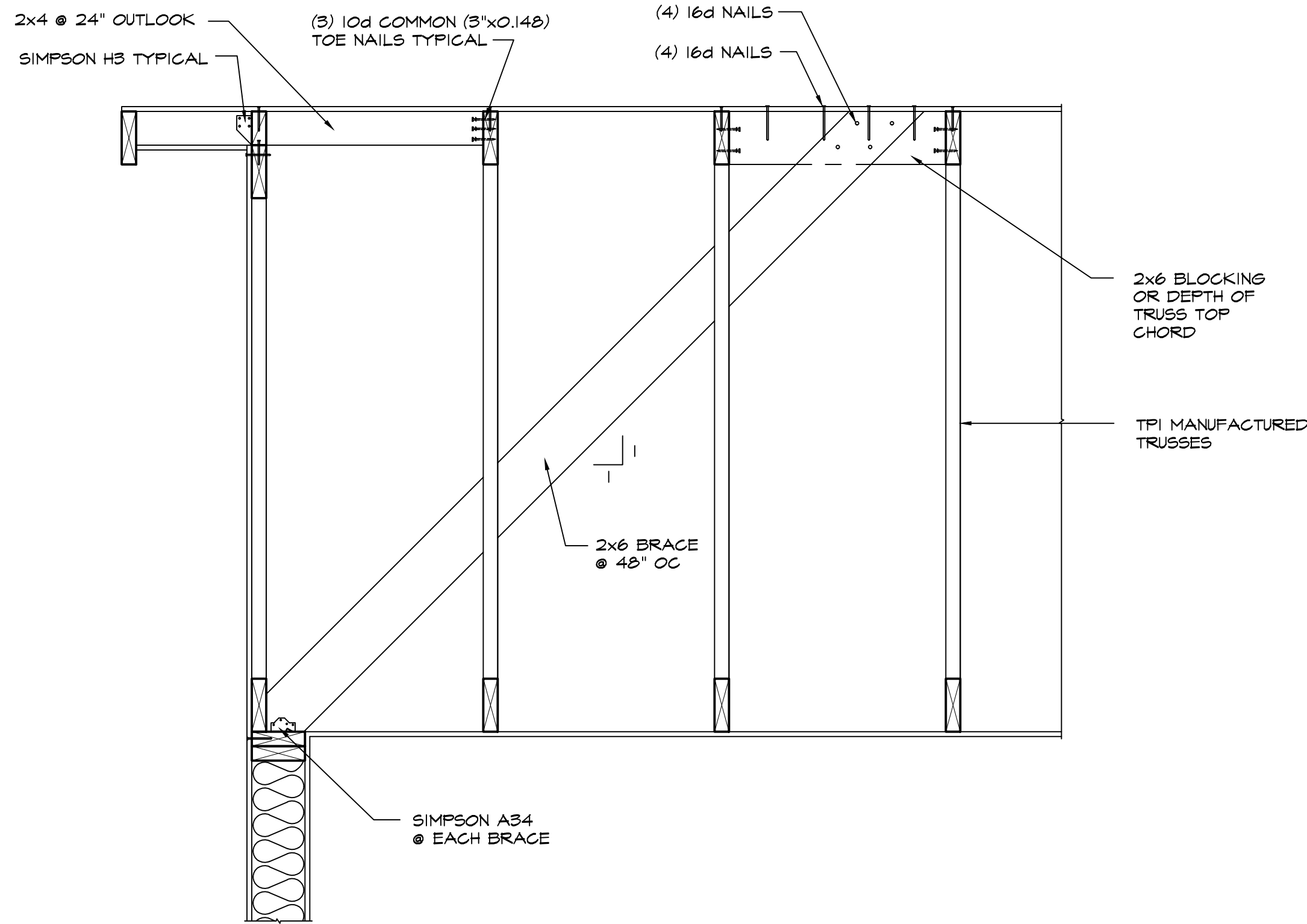
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 LOWELL, OR
 DETAILS



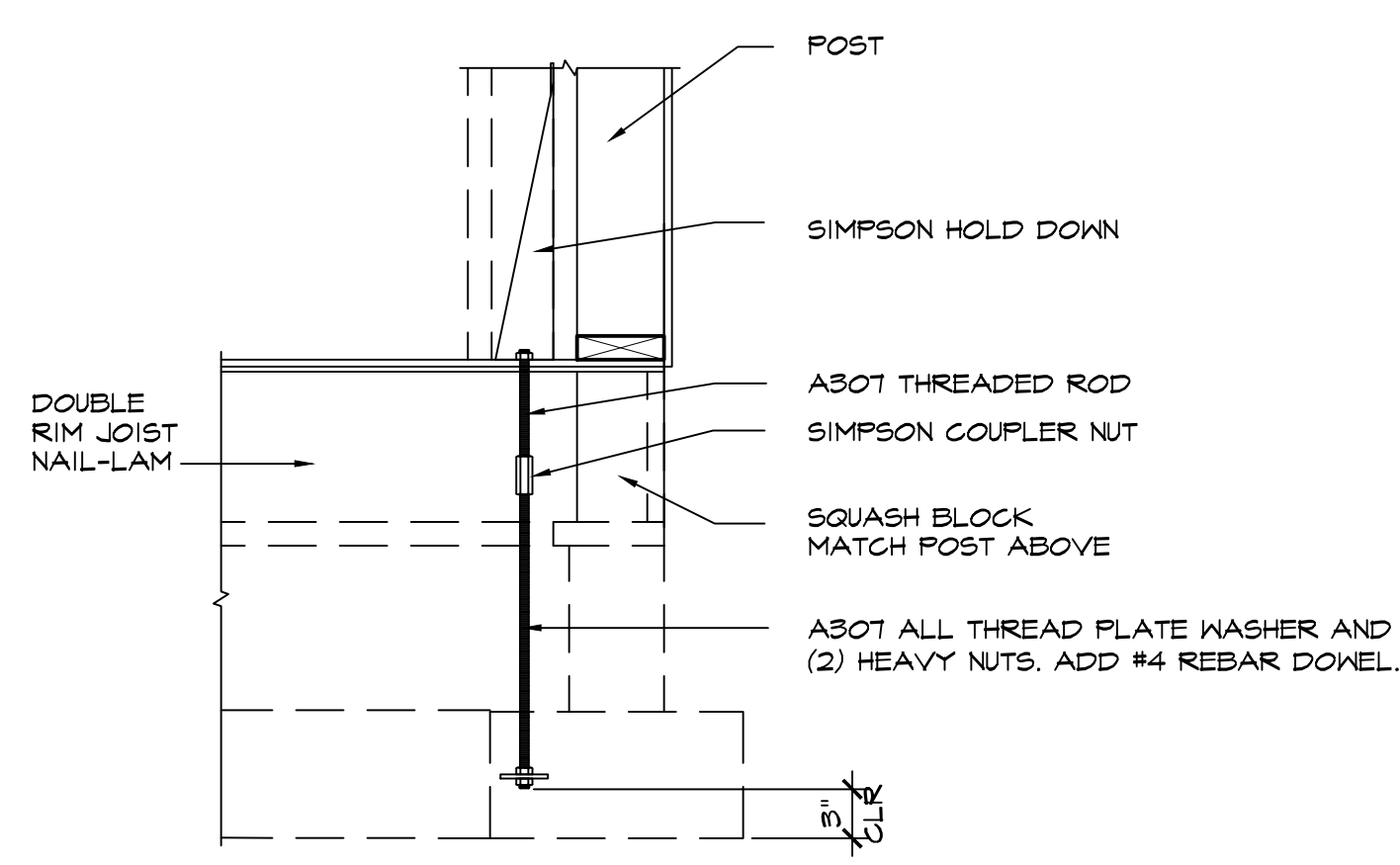
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 Design for the Human Environment
 WILLIAM E. BARLOW, P.E.
 P.O. BOX 2023
 CORVALLIS, OR 97339
 541-925-8111
 www.oregonhomedesign.com

DATE 3.22.2018
 SCALE AS SHOWN
 DRAWN WEB
 SHEET

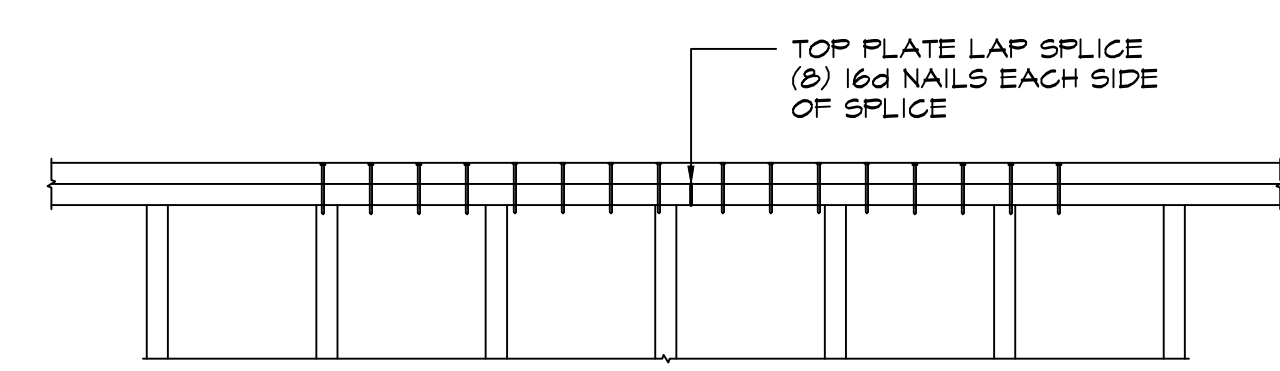
S5.1



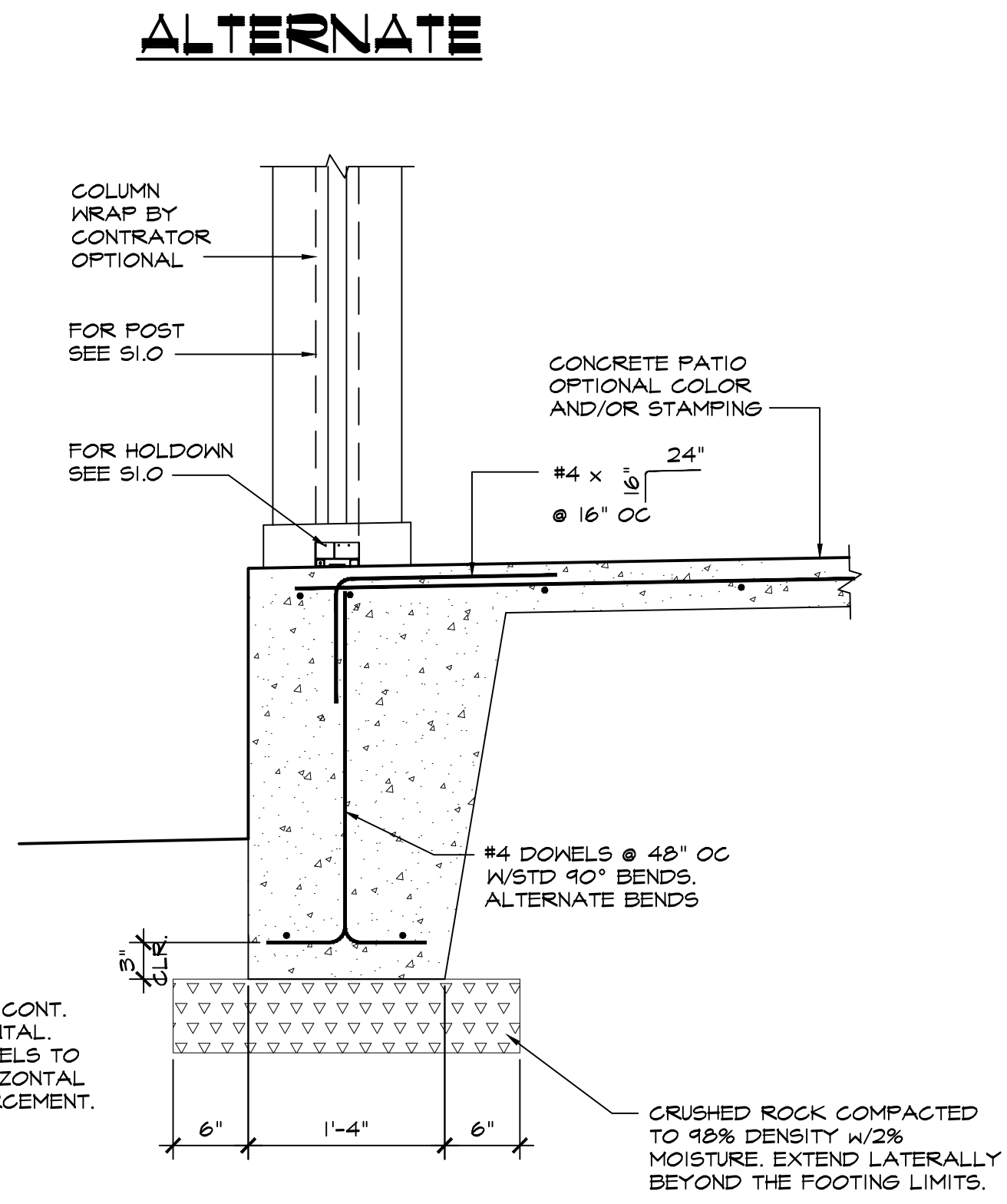
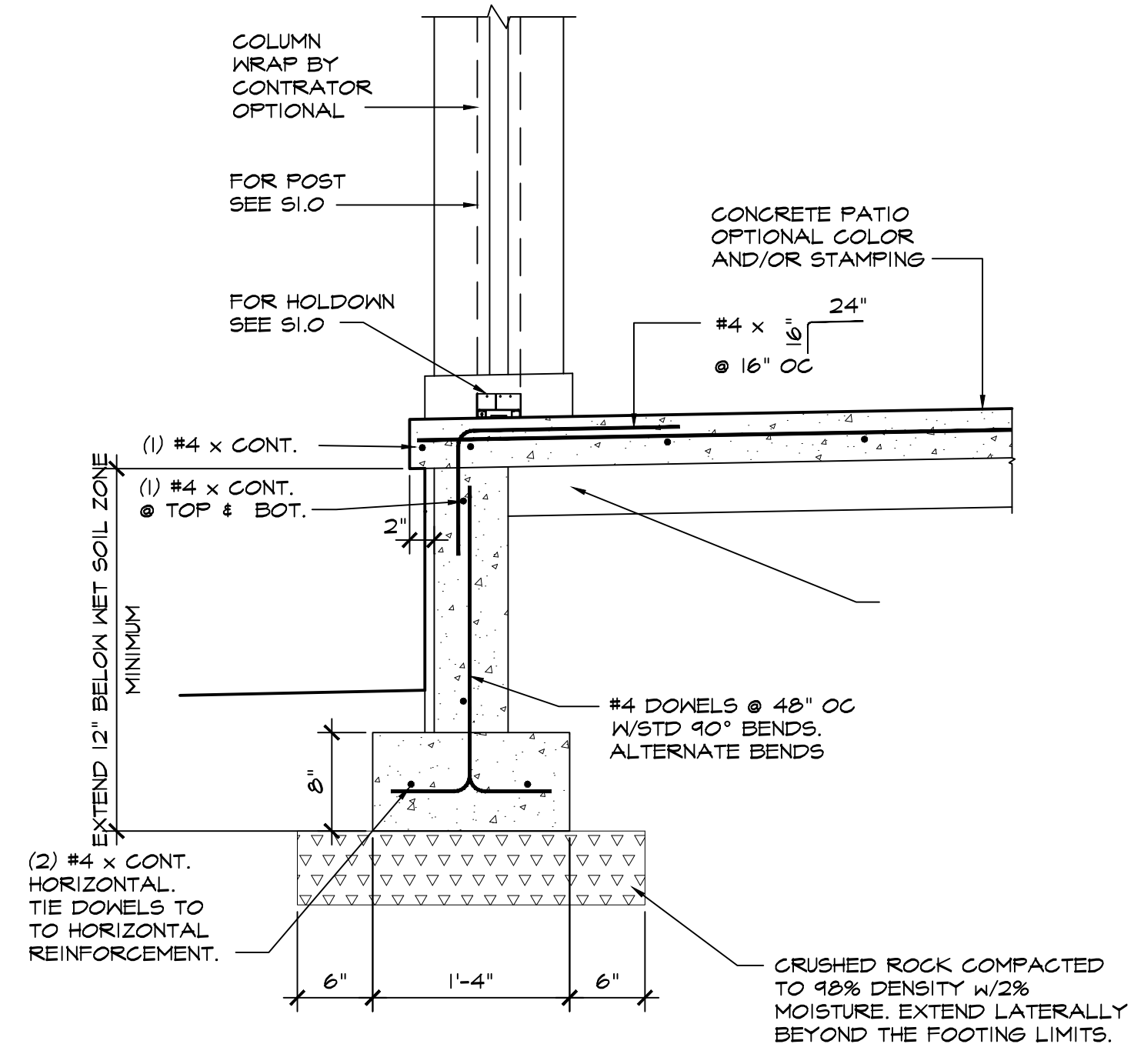
6 GABLE END BRACING
 SCALE: 1"=1'-0"



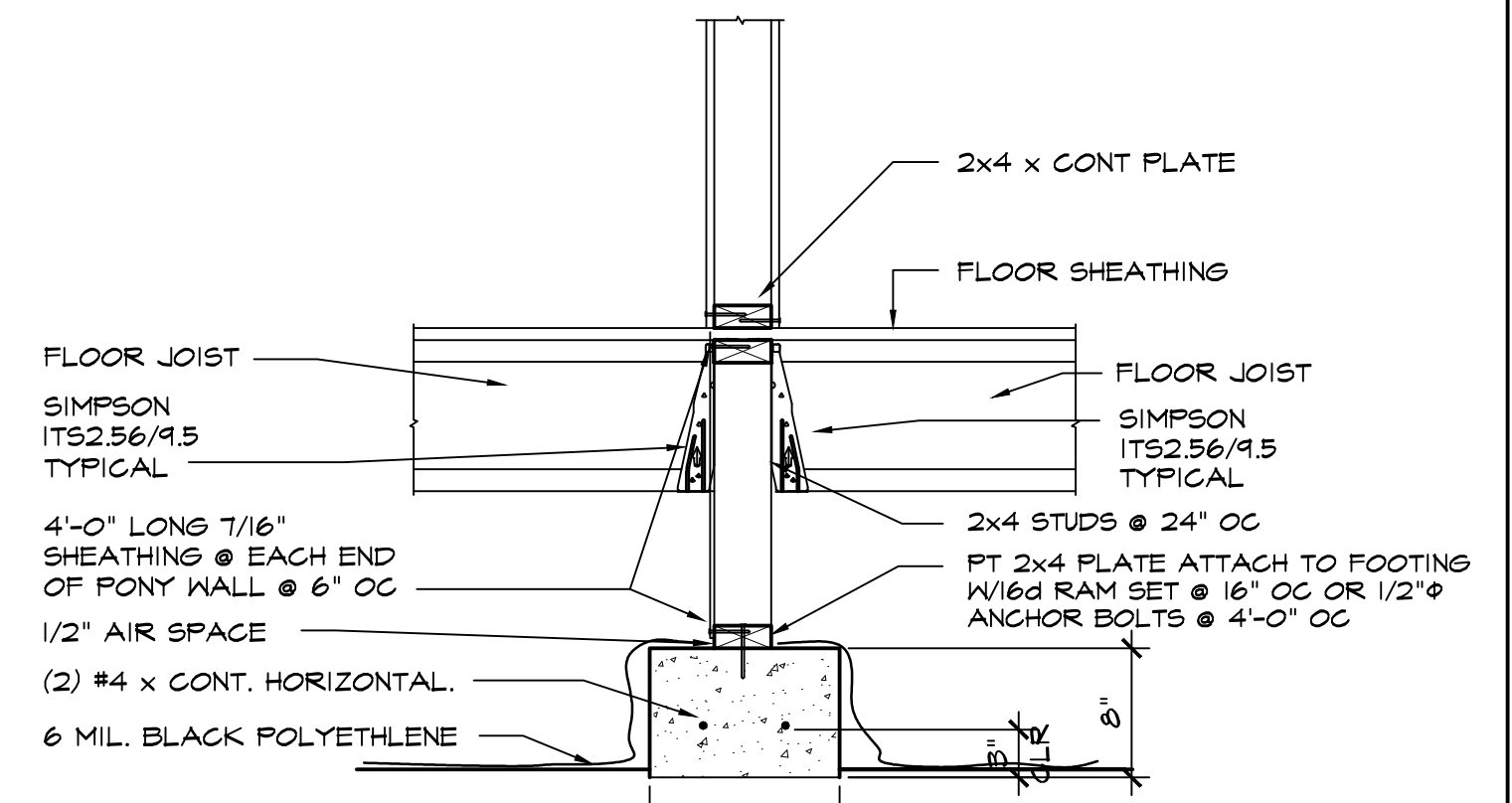
5 HOLDDOWN
 SCALE: 1"=1'-0"



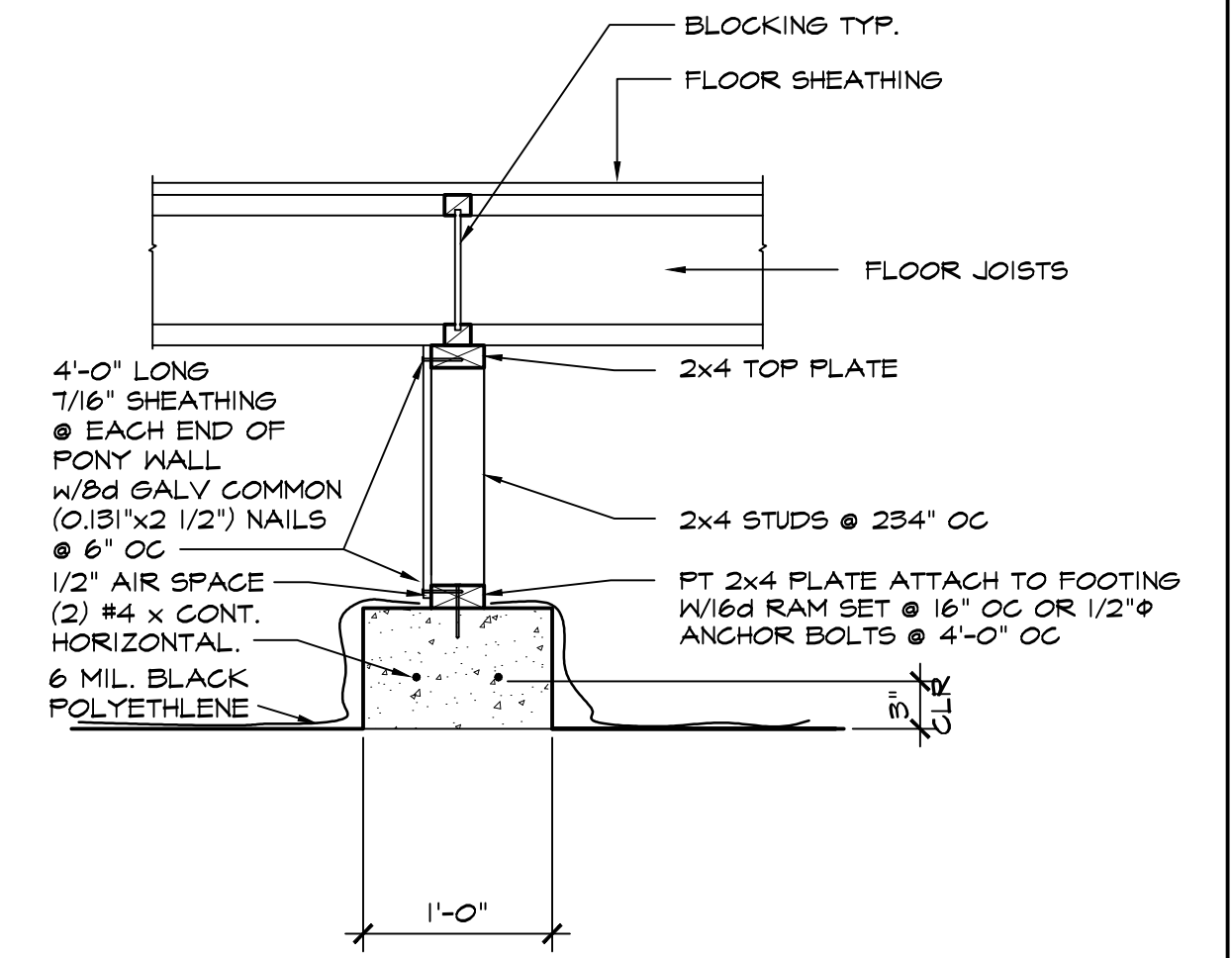
4 TOP PLATE SPLICE
 SCALE: 1"=1'-0"



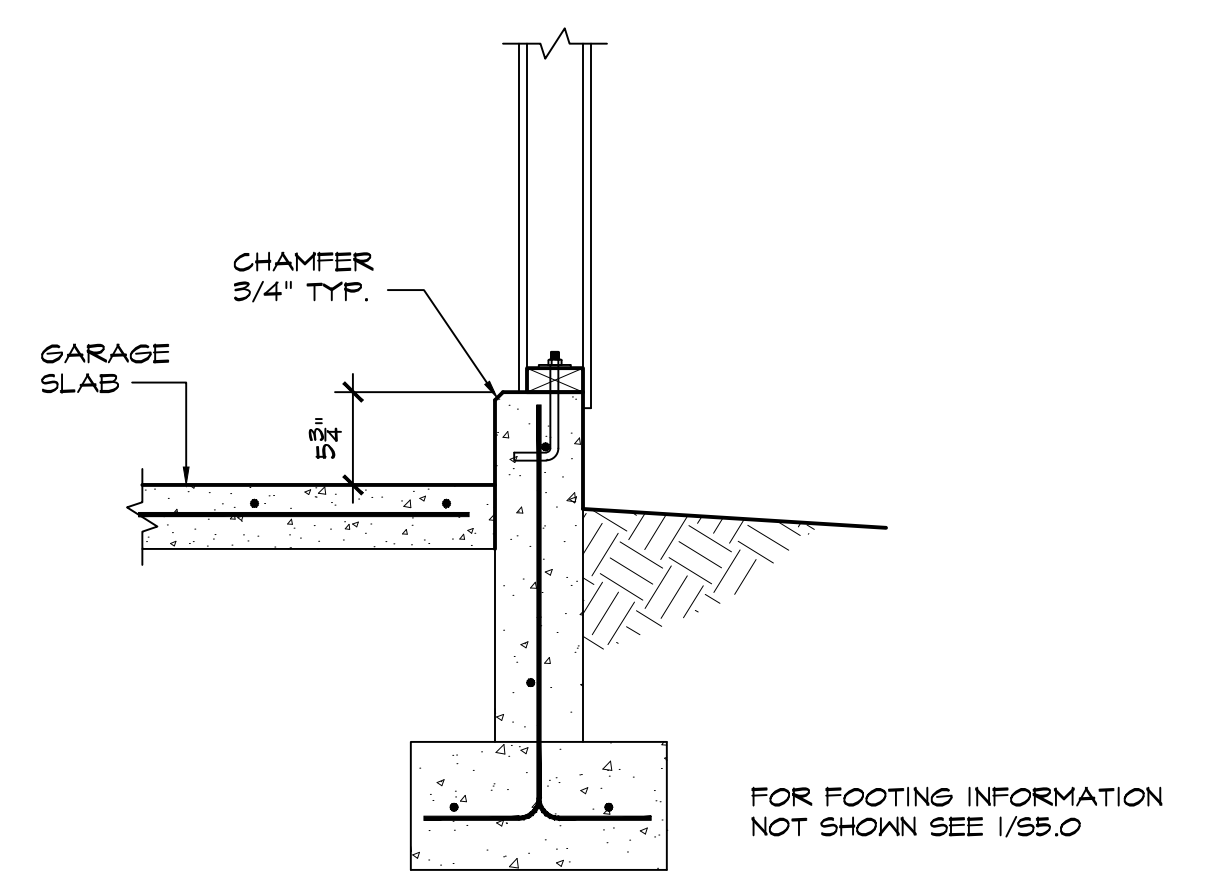
**3 PORCH SLAB
 DETAIL**
 SCALE: 1"=1'-0"



ALTERNATE



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

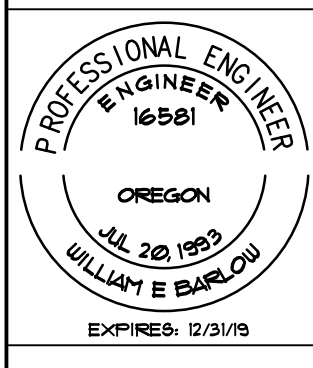


2 DETAIL
 SCALE: 1"=1'-0"

**PRELIMINARY
 BID SET**

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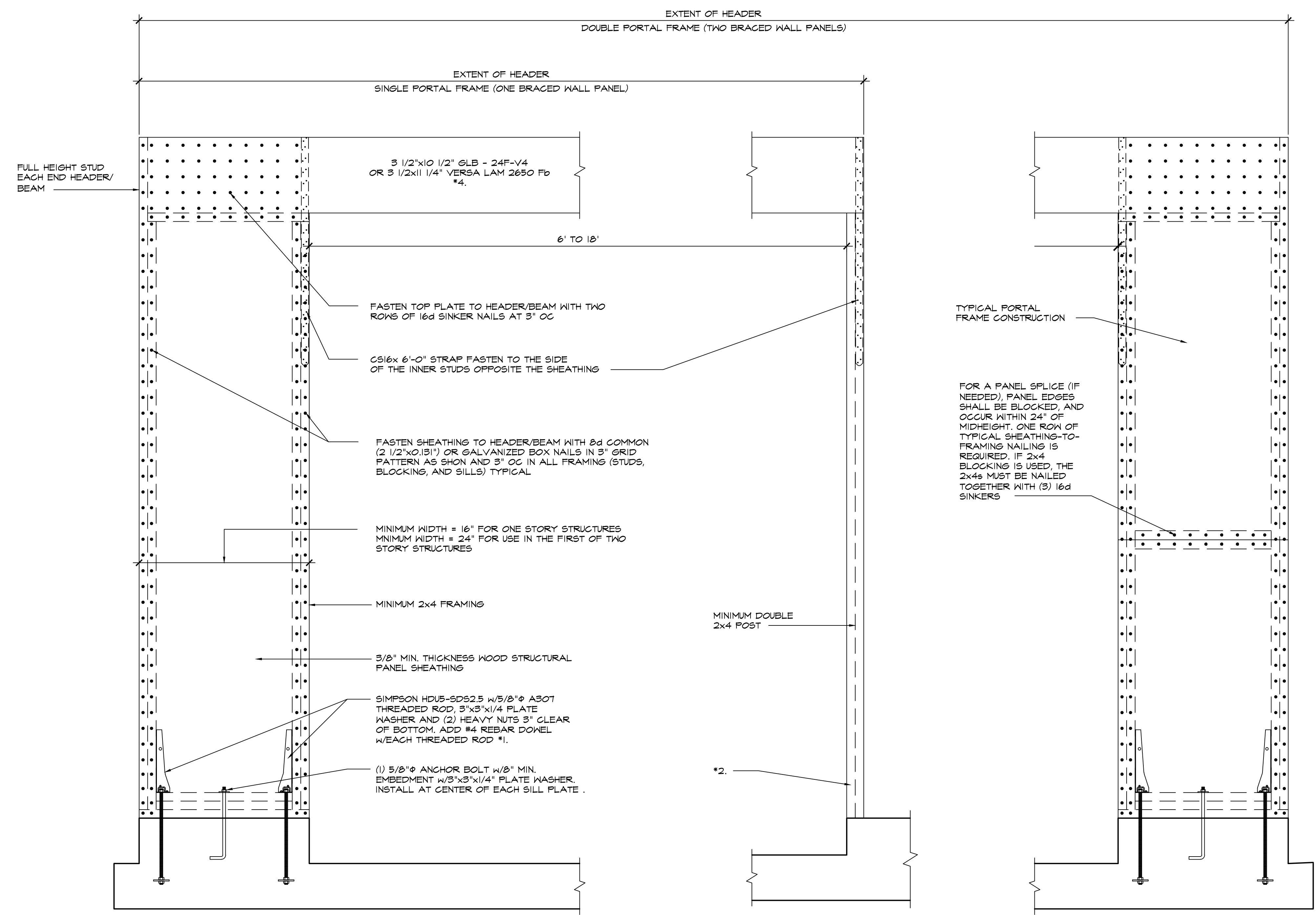
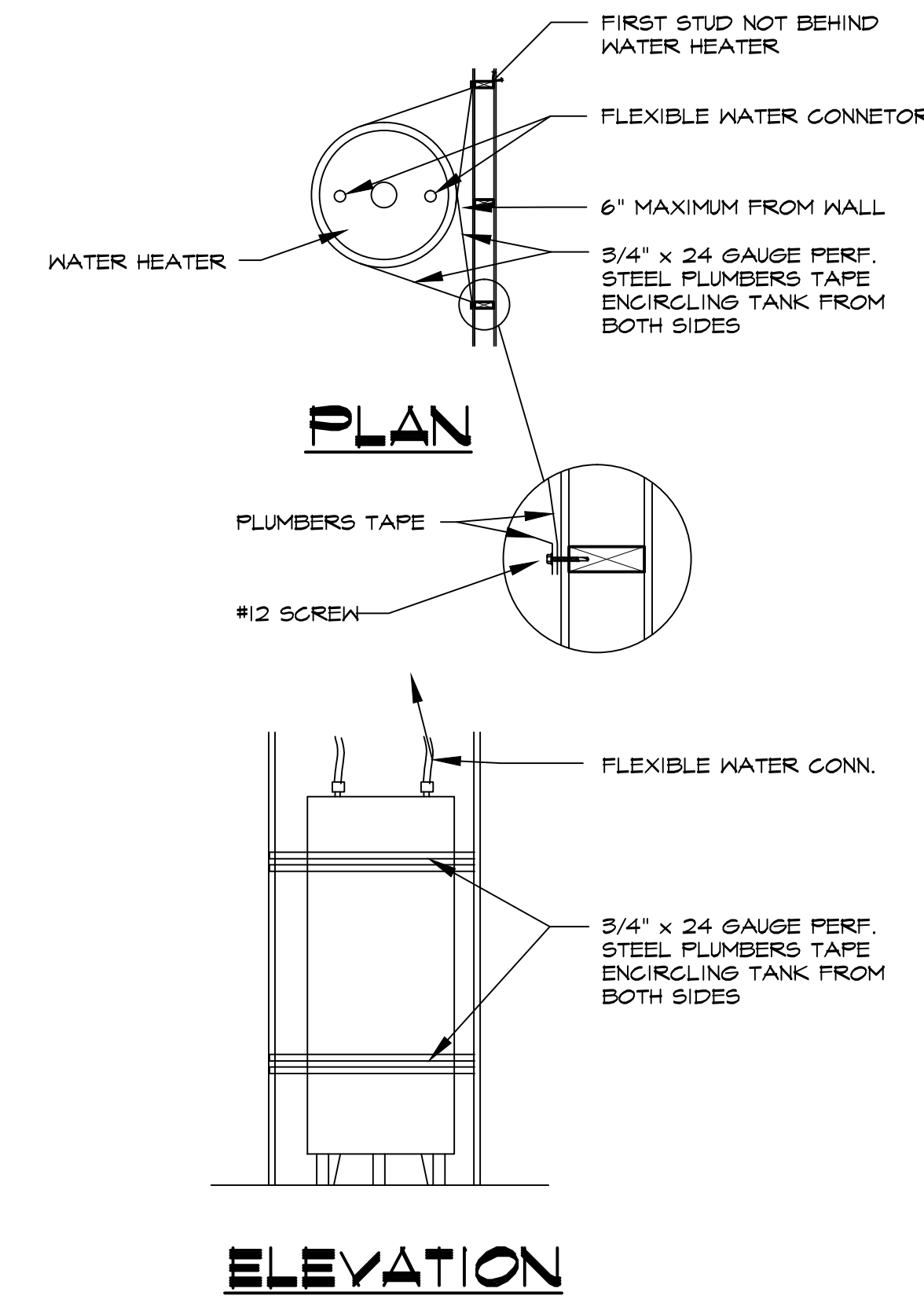
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S5.2



WATER HEATER SEISMIC STRAPPING
 SCALE: 1"=1'-0"

DRAWN USING 2008 ORSG FIGURE R603.10.2
 ALTERNATE BRACED WALL PANEL ADJACENT TO A DOOR OR WINDOW OPENING
PORTAL FRAME
 SCALE: 1"=1'-0"

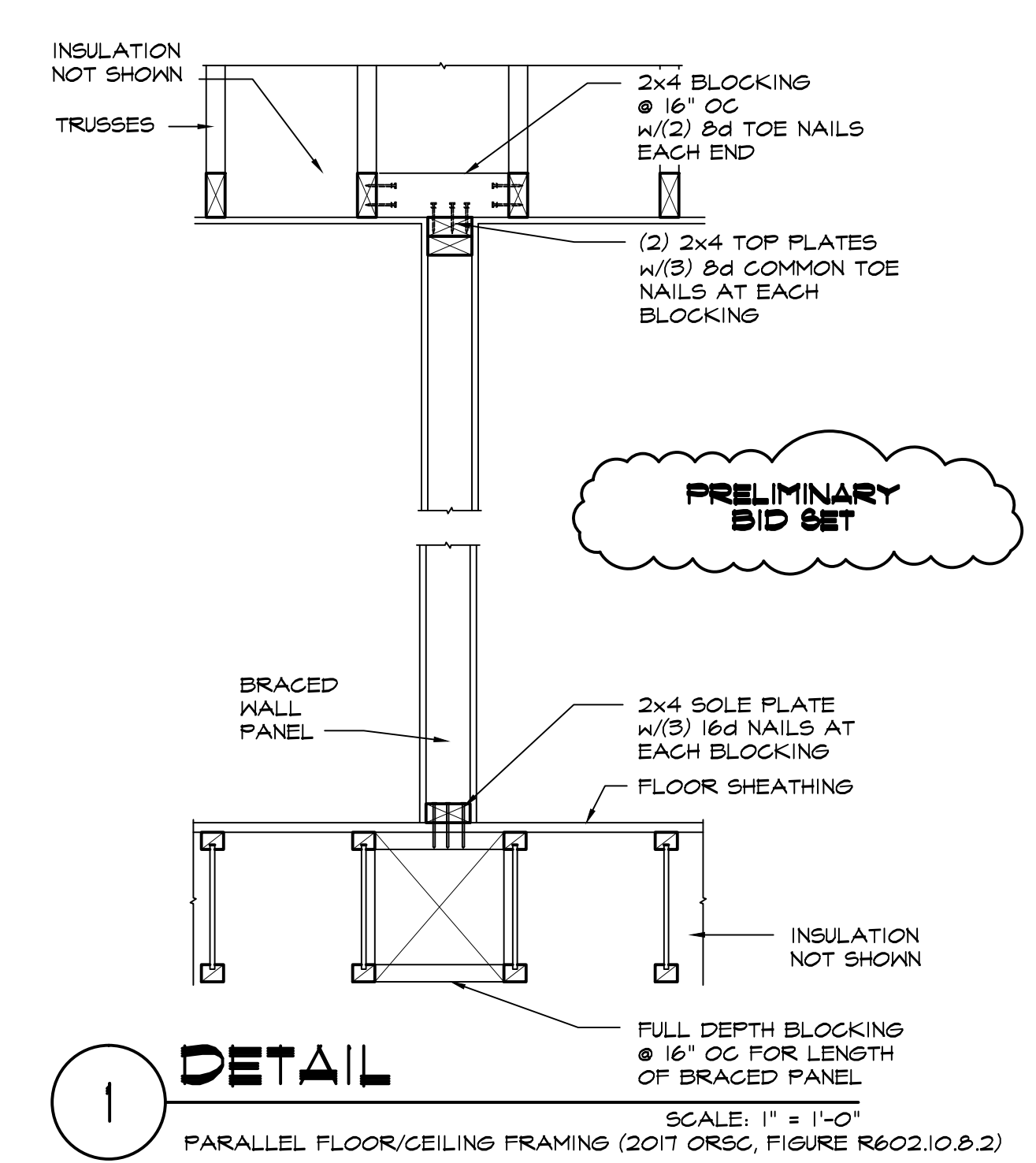
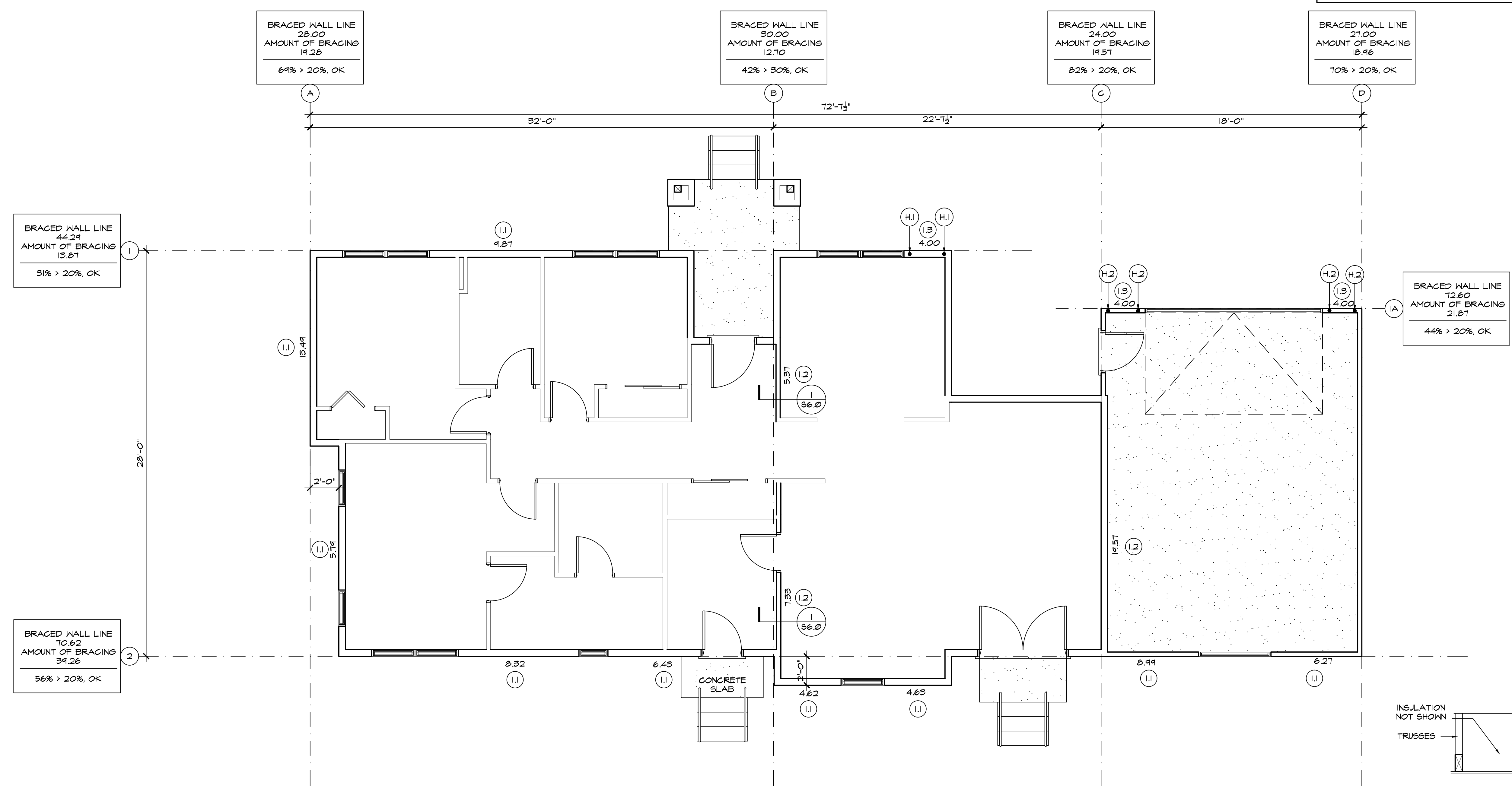
PRELIMINARY BID SET

- BELOW TEXT SHOWN IN 2008 ORSG.
- MIN. 4200 LB TIE-DOWN DEVICE (EMBEDDED INTO CONCRETE AND NAILED INTO FRAMING)
 - MINIMUM 1000 LB TIE DOWN DEVICE NOT SHOWN
 - 1000 LB STRAP OPPOSITE SHEATHING
 - MIN. 3"x11.25" NET HEADER
 - SEE SECTION R603.10.6.2

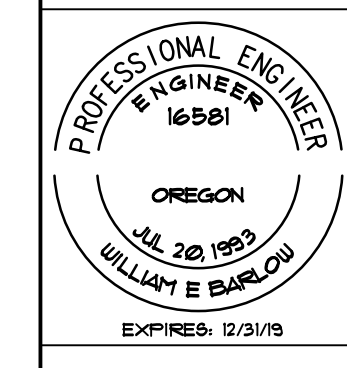
REVISIONS	BY

HOLD-DOWNS	
(H.1)	SIMPSON DTT22 TO (1) 2x6 POST w/1/2" Ø A307 THREADED ROD AND CNW/2 COUPLER NUT. AT BOTTOM USE (2) 1/2" NUTS AND 2"x2"x1/4" PLATE WASHER. FOR HOLD-DOWN SEE 5/55.1
(H.2)	SIMPSON HDU5-SDS2.5 w/(2) 2x6 POST w/5/8" Ø A307 THREADED ROD AND CNW/2 COUPLER NUT. AT BOTTOM USE (2) 5/8" NUTS AND 3"x3"x1/4" PLATE WASHER.

- WALL BRACING NOTES**
- LATERAL DESIGN IN ACCORDANCE WITH 2008 ORSC WALL BRACING PROVISIONS, R602.10 STATEWIDE ALTERNATE METHOD ORSC 13-01 (REF. ORS 455.060) JANUARY 2013
 - SEGMENTAL WALL BRACING
 - TOP PLATE LAPS IN BRACED WALL PANELS SHALL BE FACED NAILED WITH AT LEAST (8) 16d NAILS ON EACH SIDE OF THE SPLICE. SEE 4/53.2
 - 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.
- EXTERIOR WALL PANELS
7/16" SHEATHING ON 2x6s @ 24" OC w/Ø GALV. COMMON (2 1/2"xØ.131) NAILS @ 6" OC EDGES AND 12" OC INTERMEDIATE SUPPORTS & ALL OTHER WALLS.
 - INTERIOR WALL PANELS
INTERIOR 1/2" GYPSUM BOARD EACH FACE ON 2x4 STUDS @ 24" OC w/Ø ADHESIVE SCREWS: TYPE W OR S (ASTM C 1002) NAILS: 1" 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 AT 1' OC EDGES AND 12" OC AT INTERMEDIATE SUPPORTS
 - ALTERNATE BRACED PANEL
7/16" SHEATHING ON 2x6s @ 24" OC w/Ø GALV. COMMON (2 1/2"xØ.131) NAILS @ 6" OC EDGES AND 8" OC INTERMEDIATE SUPPORTS BLOCK ALL PANEL EDGES.



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WALL BRACING



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S6.0