

RULES RESIDENCE, WEBER COUNTY, UTAH

PROJECT DATA

- GOVERNING BUILDING CODE: IRC 2015
- OCCUPANCY AND GROUP: R-3
- TYPE OF CONSTRUCTION: TYPE V-B
- LOCATION ON PROPERTY:
 - EXTERIOR WALLS: NON-RATED
 - EXTERIOR OPENINGS: NON-RATED
- OCCUPANCY SEPARATION : NOT REQUIRED
 - SPRINKLED: NO
 - NUMBER OF STORIES: 2.0
- FIRE RESISTIVE REQUIREMENTS:
 - SEE ARCHITECTURAL DWGS

PROJECT INFORMATION

OWNER ADDRESS :
 BILL RULES
 1700 WEST 2700 NORTH
 PLEASANTVIEW, UT 84414
 BUILDING DEPARTMENT:
 WEBER COUNTY, UT

DRAWING INDEX

A0 COVER SHEET
 S0 GENERAL NOTES
 S1.0 CONNECTION DETAILS
 S1.1 CONNECTION DETAILS
 S1.2 CONNECTION DETAILS
 S2 FOUNDATION PLAN
 S3 MAIN FLOOR FRAMING
 S4 SECOND FLOOR FRAMING
 S5 ROOF FRAMING
 S6 SHEAR WALLS

BUILDING SQ. FT.

LIVING SPACE :
 MAIN FLOOR = 1204 SQ. FT.
 SECOND FLOOR = 626 SQ. FT.
 TOTAL = 1830 SQ. FT.
 NON LIVING SPACE :
 BASEMENT/GARAGE = 1232 SQ. FT.
 DECK OR PORCH = 1189 SQ. FT.


DESIGN NOTES

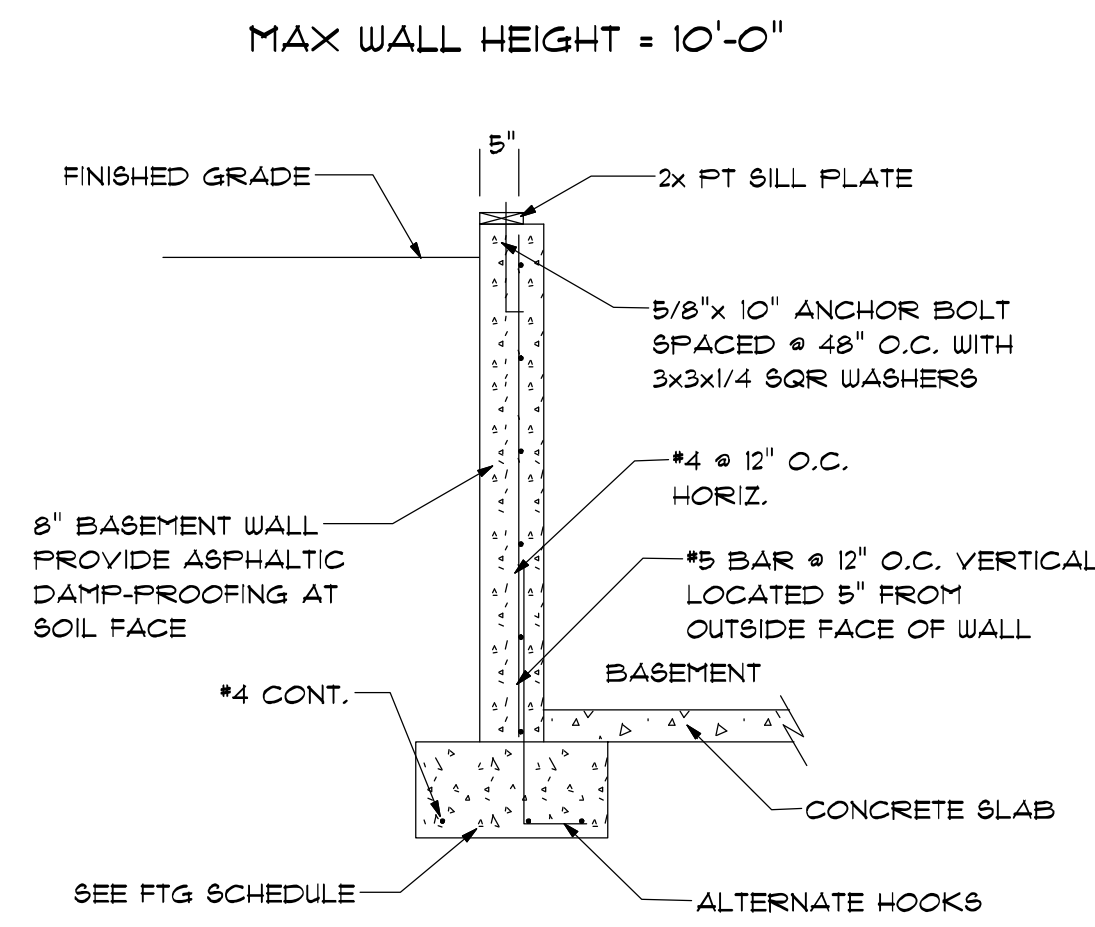
GROUND SNOW LOAD - 62 PSF
 FLAT ROOF SNOW LOAD - 43 PSF
 SNOW LOAD IMPORTANCE FACTOR - 1.0
 SNOW EXPOSURE FACTOR - 1.0
 THERMAL FACTOR - 1.0
 OCCUPANCY CATEGORY - II
 BEARING PRESSURE - 2000 PSF
 ULTIMATE WIND SPEED - 115 MPH, EXP B
 WIND IMPORTANCE FACTOR - 1.0
 SEISMIC DESIGN CATEGORY - D
 SEISMIC SITE CLASS - D
 RISK CATEGORY - II
 SEISMIC COEFFICIENTS -
 $S_{ds} = 0.723g$ $S_{d1} = 0.387g$ $C_s = 0.18$ $R = 4.0$
 SEISMIC ANALYSIS PROCEDURE -
 EQUIVALANT LATERAL FORCE METHOD
 FLOOR LIVE LOAD - 40 PSF
 FLOOR DEAD LOAD - 15 PSF
 ROOF DEAD LOAD - 15 PSF

STRUCTURAL DRAWINGS ONLY

CONTRACTOR'S RESPONSIBILITY
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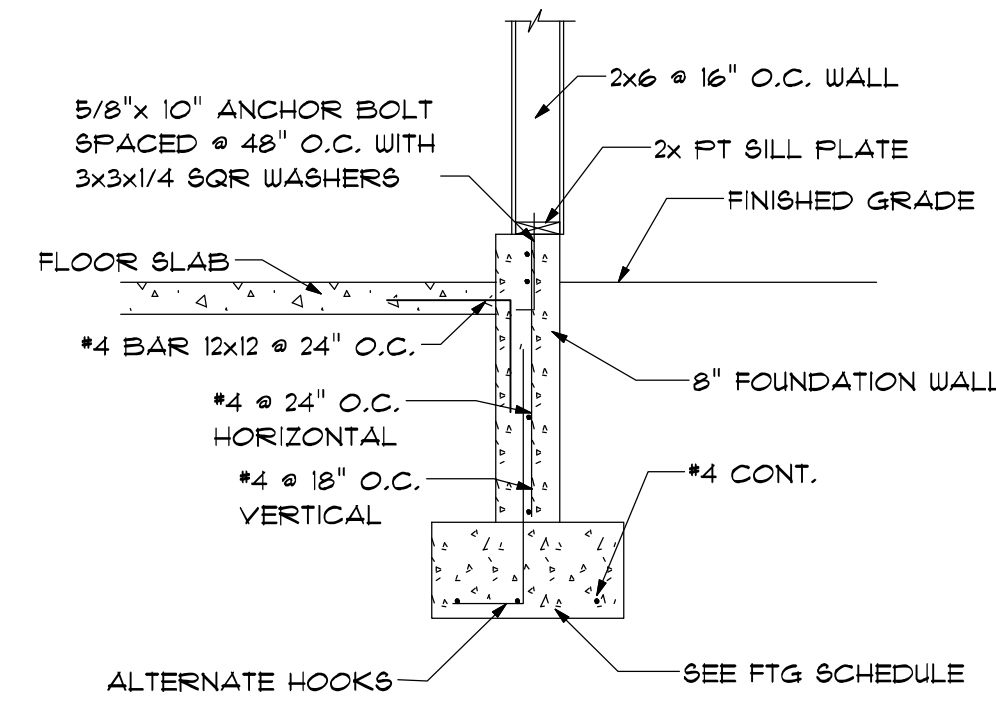
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DATE September 21, 2017	REVISED	DRAWING*	AO
			
SCALE AS NOTED	DRAWN BY MIDJU	2017-202	
DESIGN INTELLIGENCE, LLC 10331 ERIKSSON DR. REXBURG, IDAHO 83440 TEL: (208) 358-1461 FAX: (208) 359-0140			
RULES RESIDENCE WEBER COUNTY, UT			
			AO



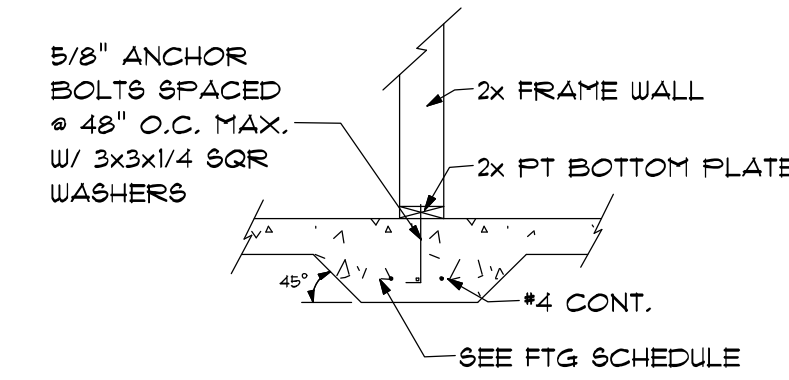
BASEMENT WALL DETAIL

1
S.I.O.



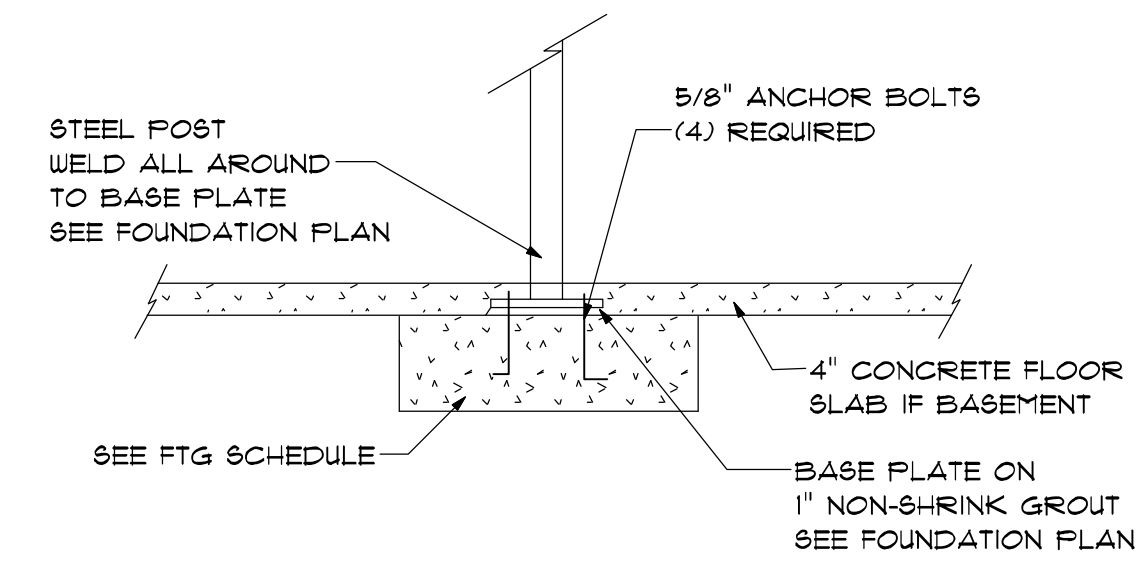
STEM WALL DETAIL WITH SLAB FLOOR

2
S.I.O.



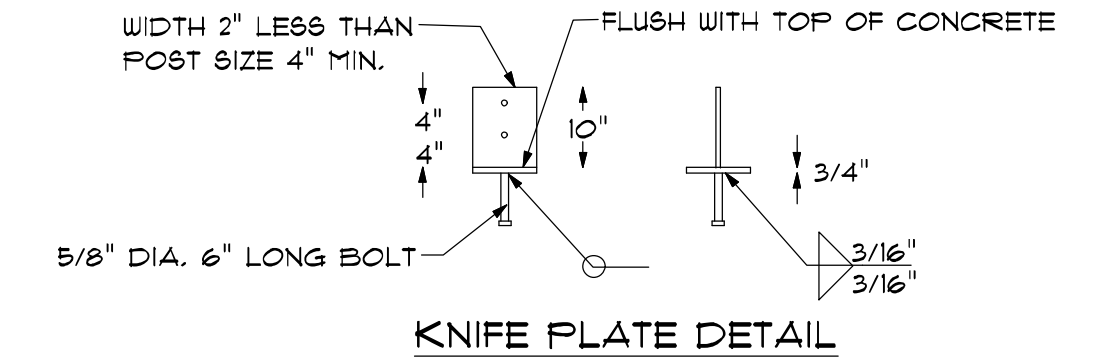
INTERIOR FOOTING

3
S.I.O.

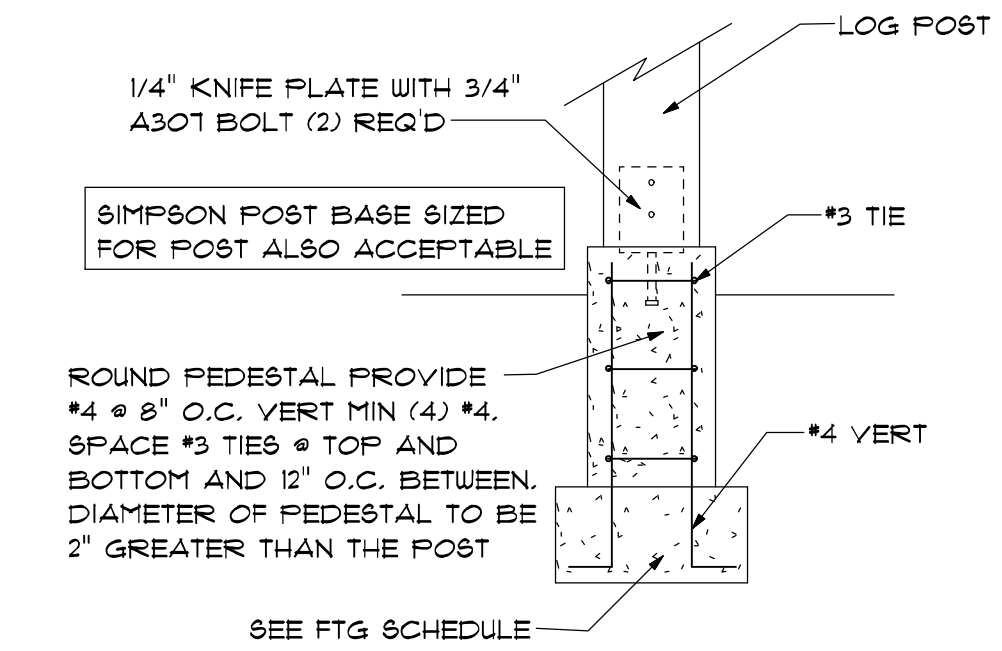


STEEL POST CONNECTIONS

4
S.I.O.

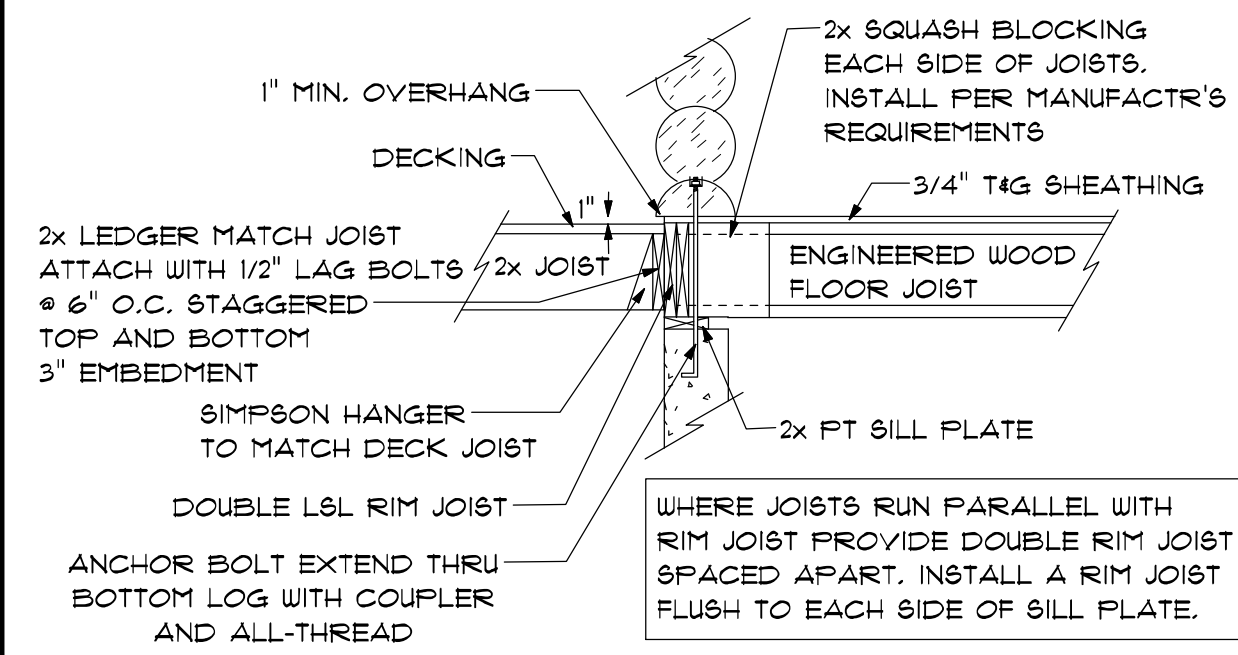


KNIFE PLATE DETAIL



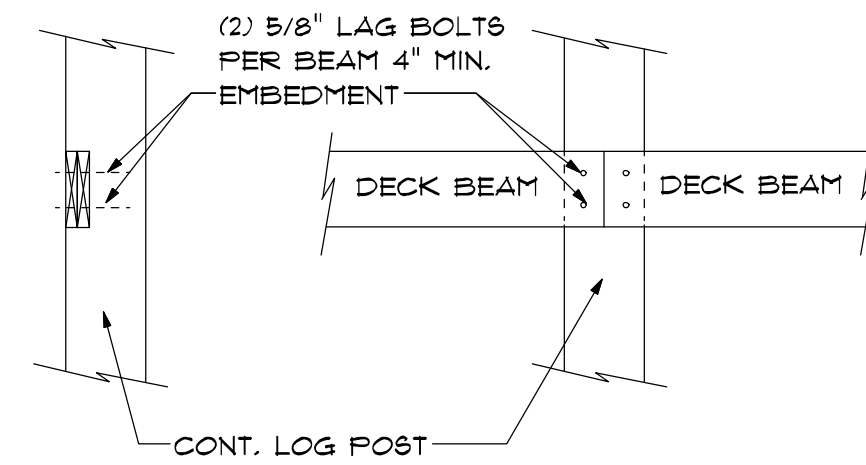
LOG POST TO DECK PEDESTAL DETAIL

5
S.I.O.



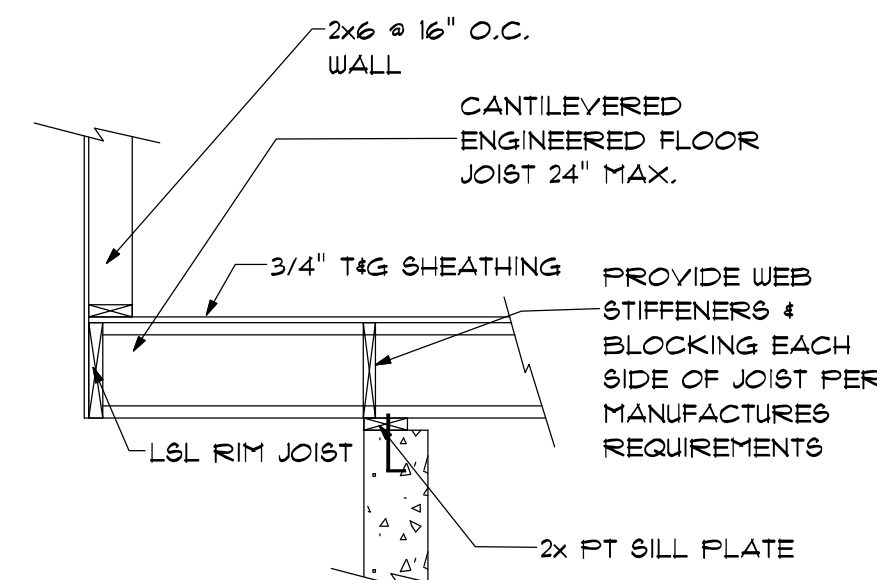
DECK ATTACHMENT

6
S.I.O.



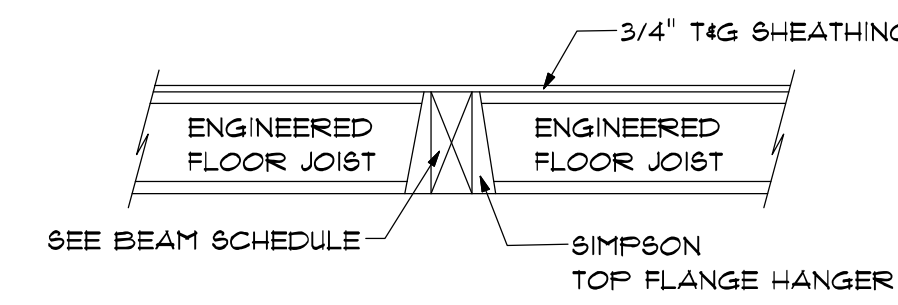
DECK BEAM TO LOG POST

7
S.I.O.



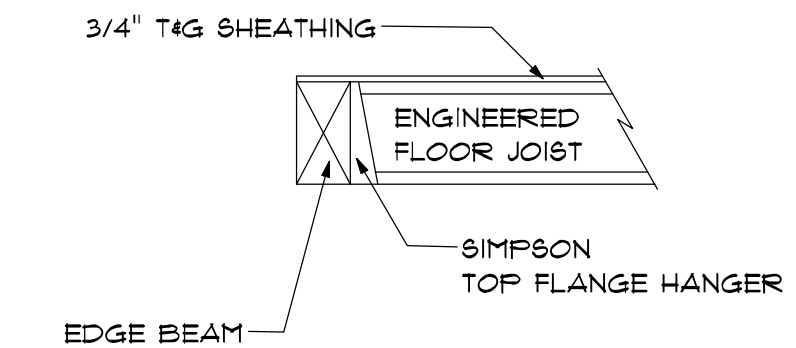
CANTILEVERED FLOOR JOIST

8
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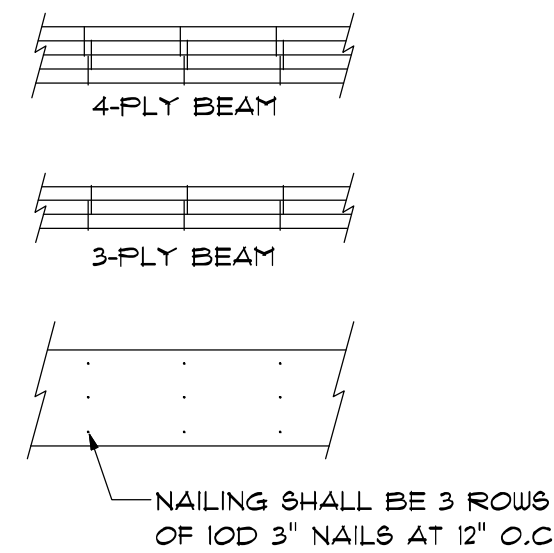
BEAM FLOOR JOIST SUPPORT

9
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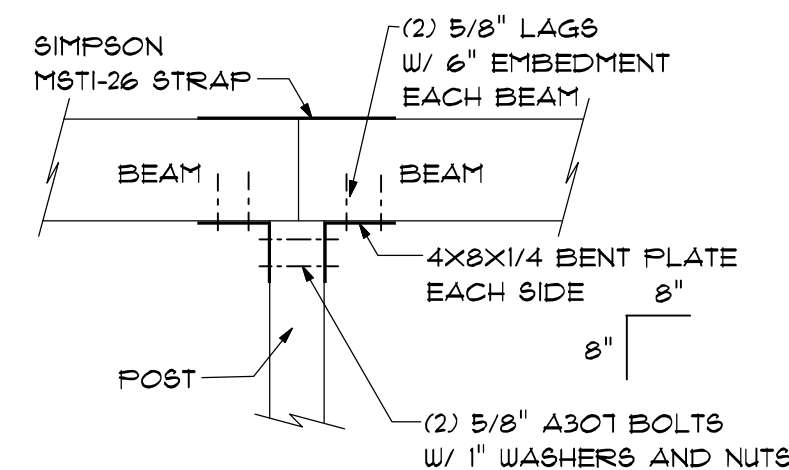
EDGE BEAM FLOOR JOIST SUPPORT

10
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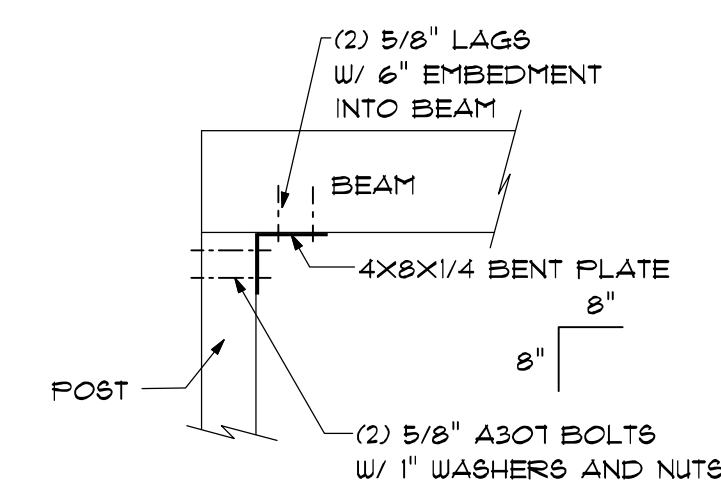
BUILT UP BEAM DETAIL

11
S.I.O.



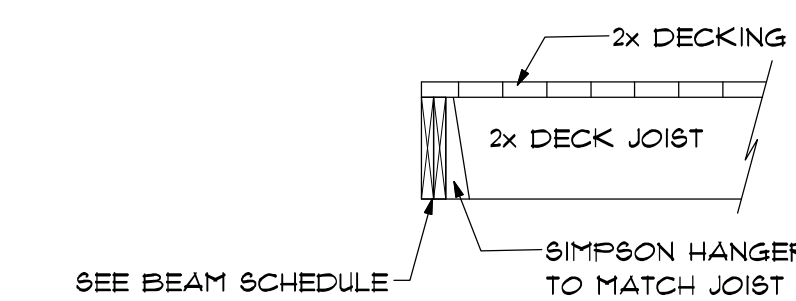
POST TO BEAM

12
S.I.O.



POST TO BEAM

13
S.I.O.

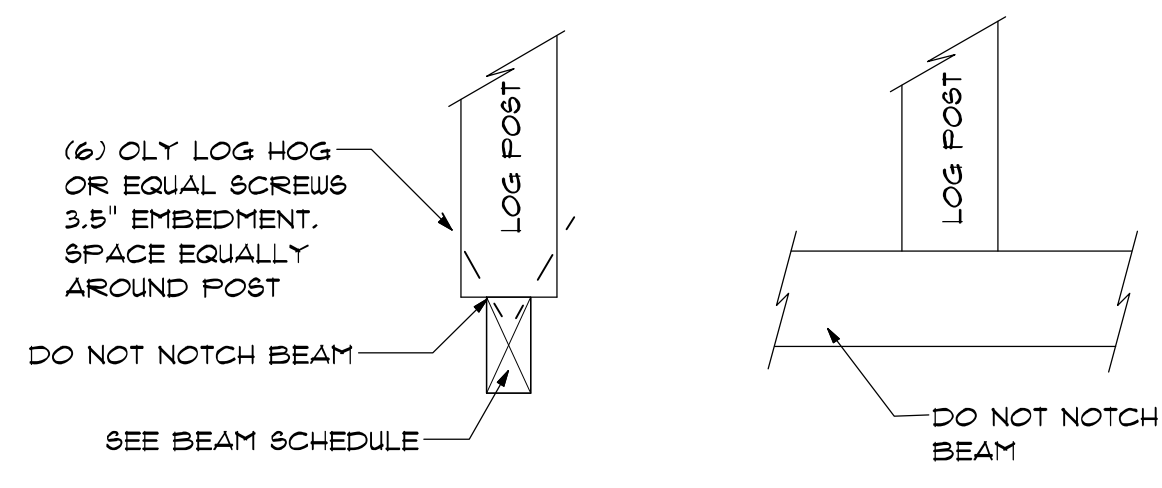


BEAM DECK JOIST SUPPORT

14
S.I.O.

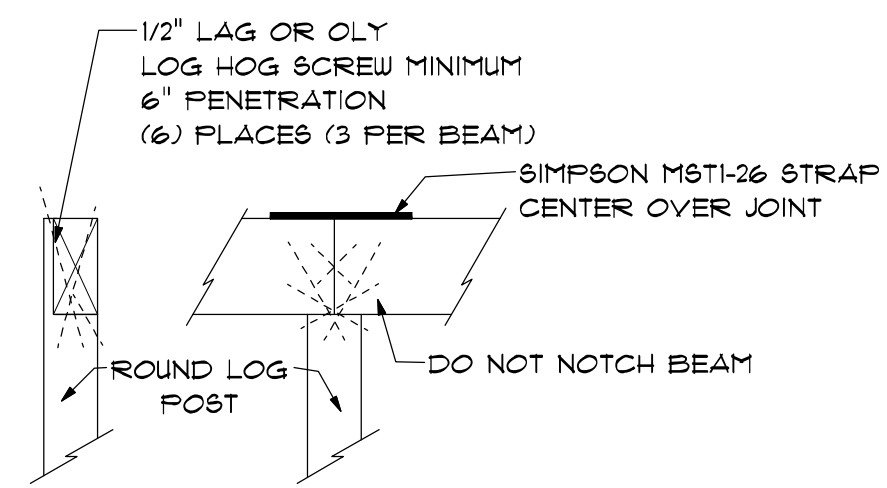
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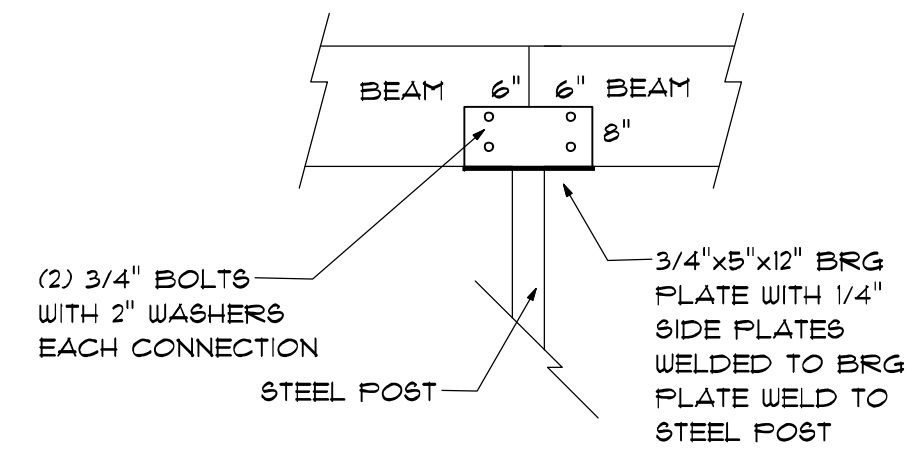
LOG POST TO BEAM

1
Sl.1



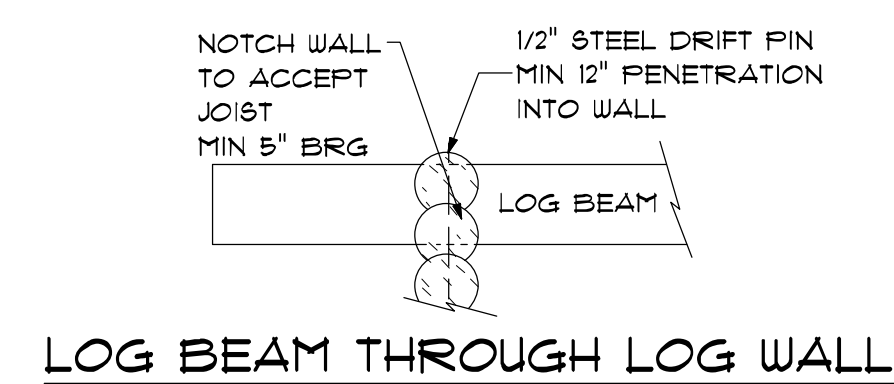
WOOD BEAM TO LOG POST

2
Sl.1



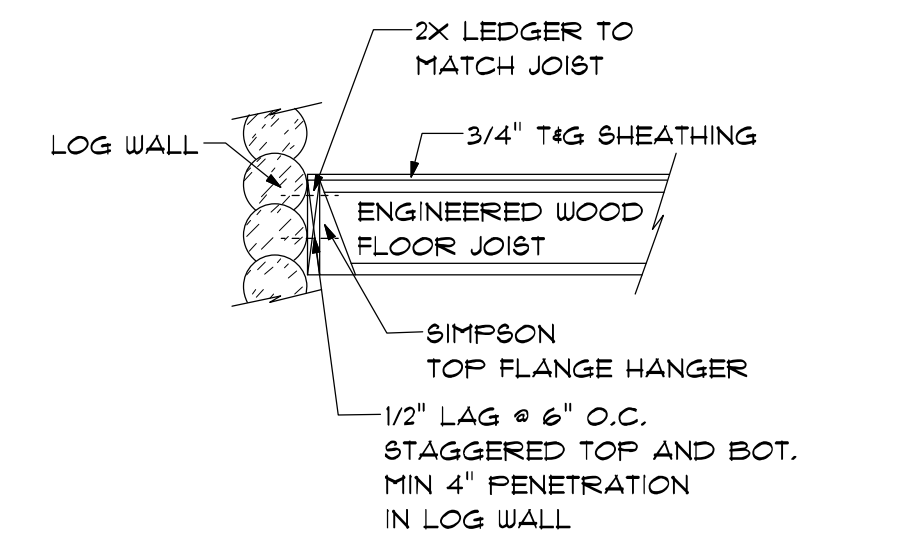
WOOD BEAM TO STEEL POST

3
Sl.1



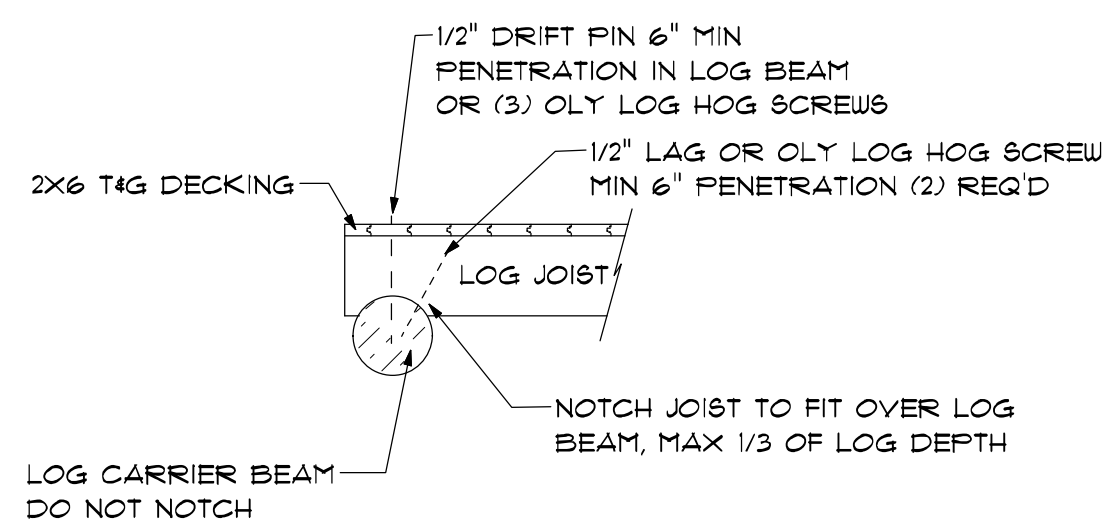
LOG BEAM THROUGH LOG WALL

4
Sl.1



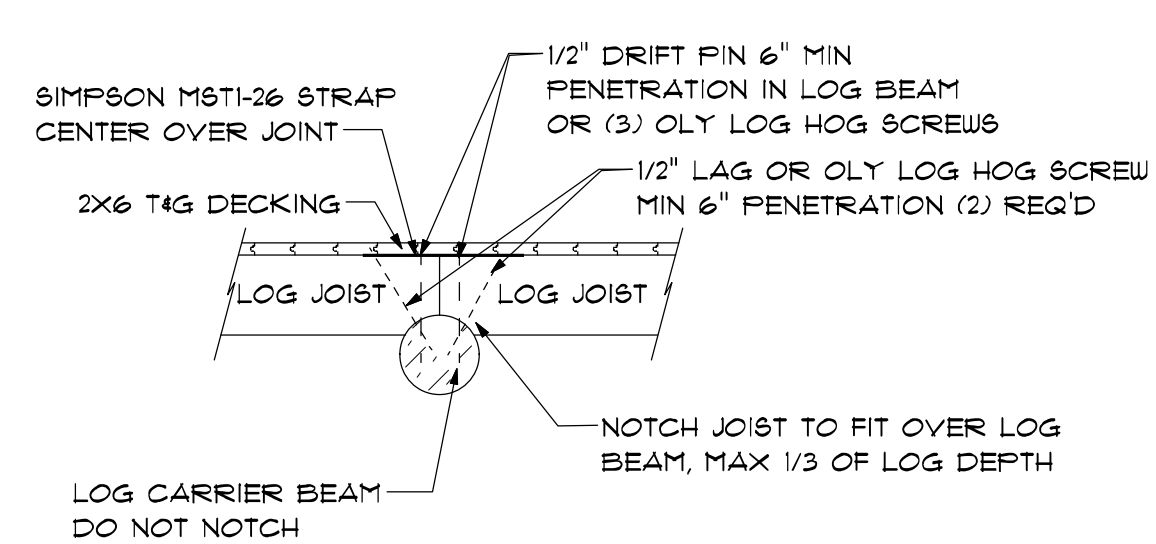
FLOOR JOIST TO LOG WALL

5
Sl.1



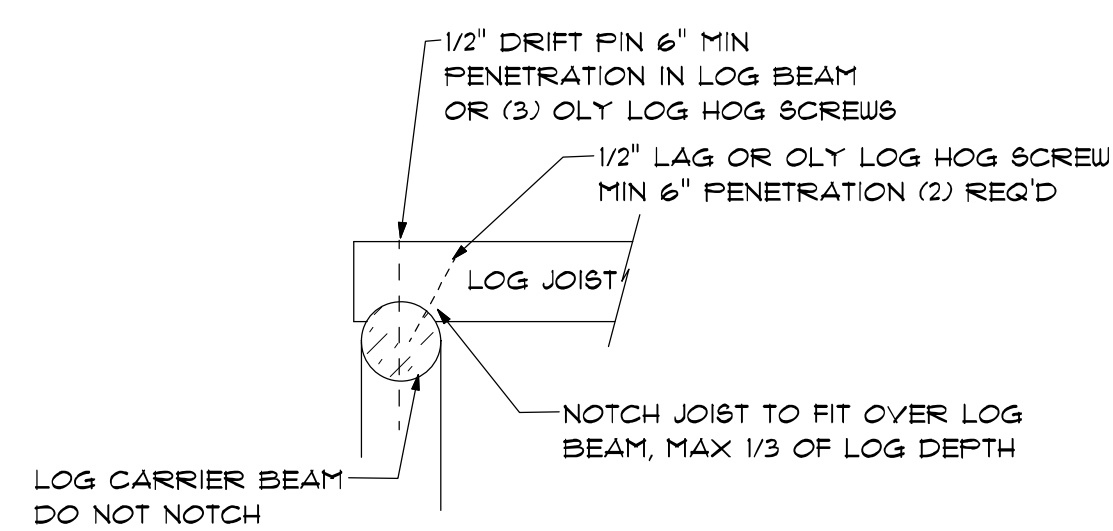
LOG JOIST TO LOG BEAM

6
Sl.1



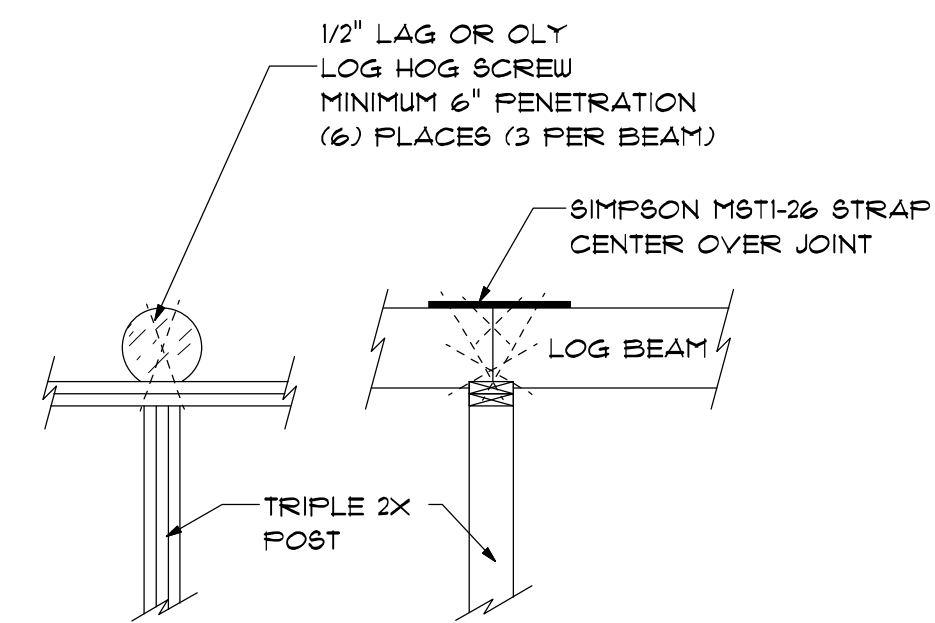
LOG JOISTS TO LOG BEAM

7
Sl.1



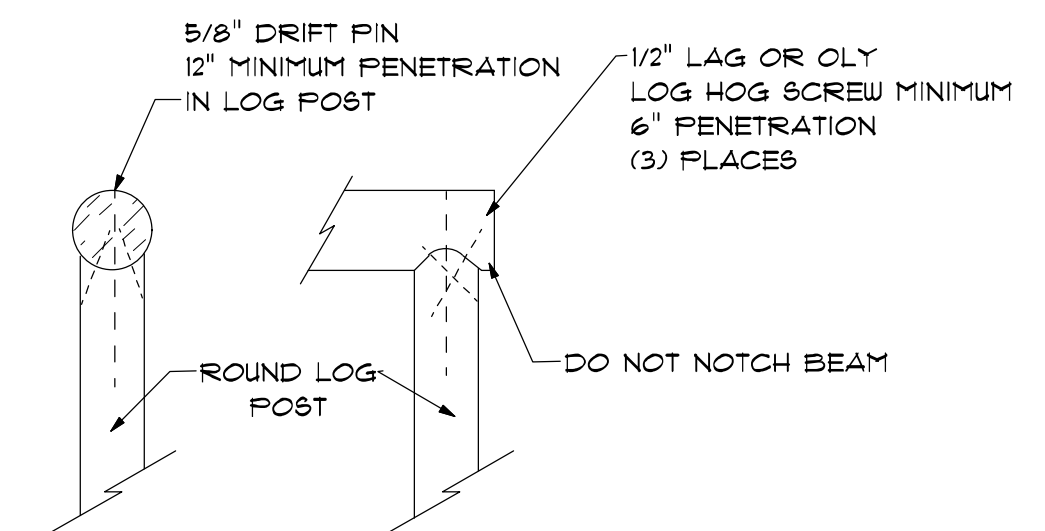
LOG JOIST TO LOG BEAM

8
Sl.1



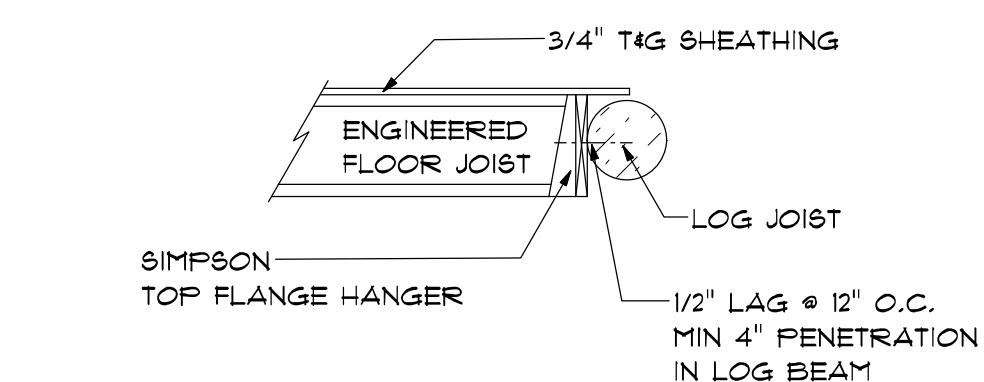
LOG BEAM TO FRAMED WALL

9
Sl.1



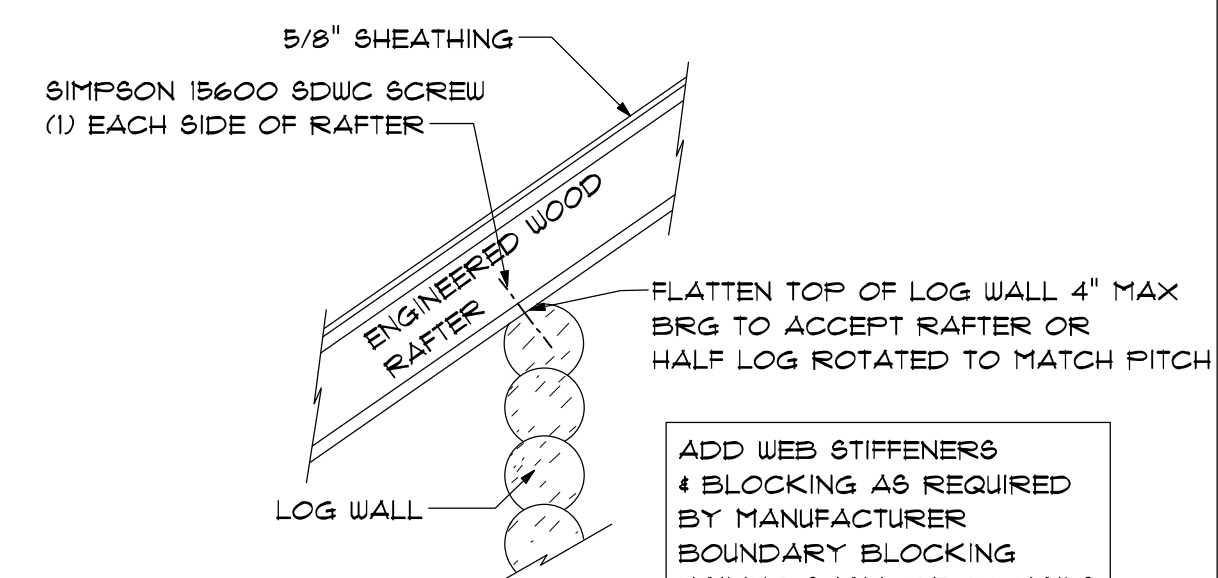
LOG BEAM TO LOG POST

10
Sl.1



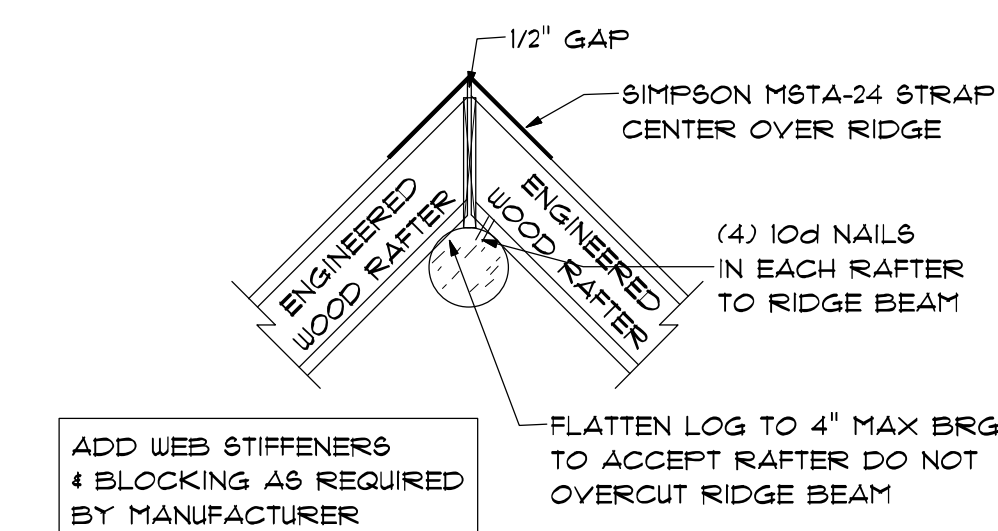
EDGE BEAM FLOOR JOIST SUPPORT

11
Sl.1



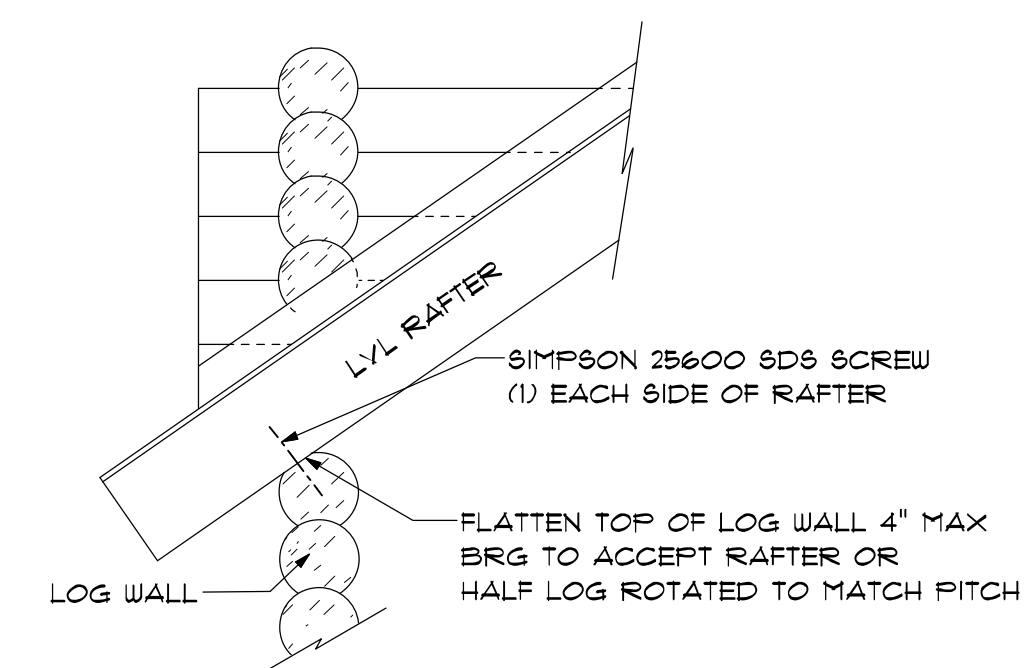
RAFTER TO LOG WALL

12
Sl.1



RAFTER TO RIDGE

13
Sl.1

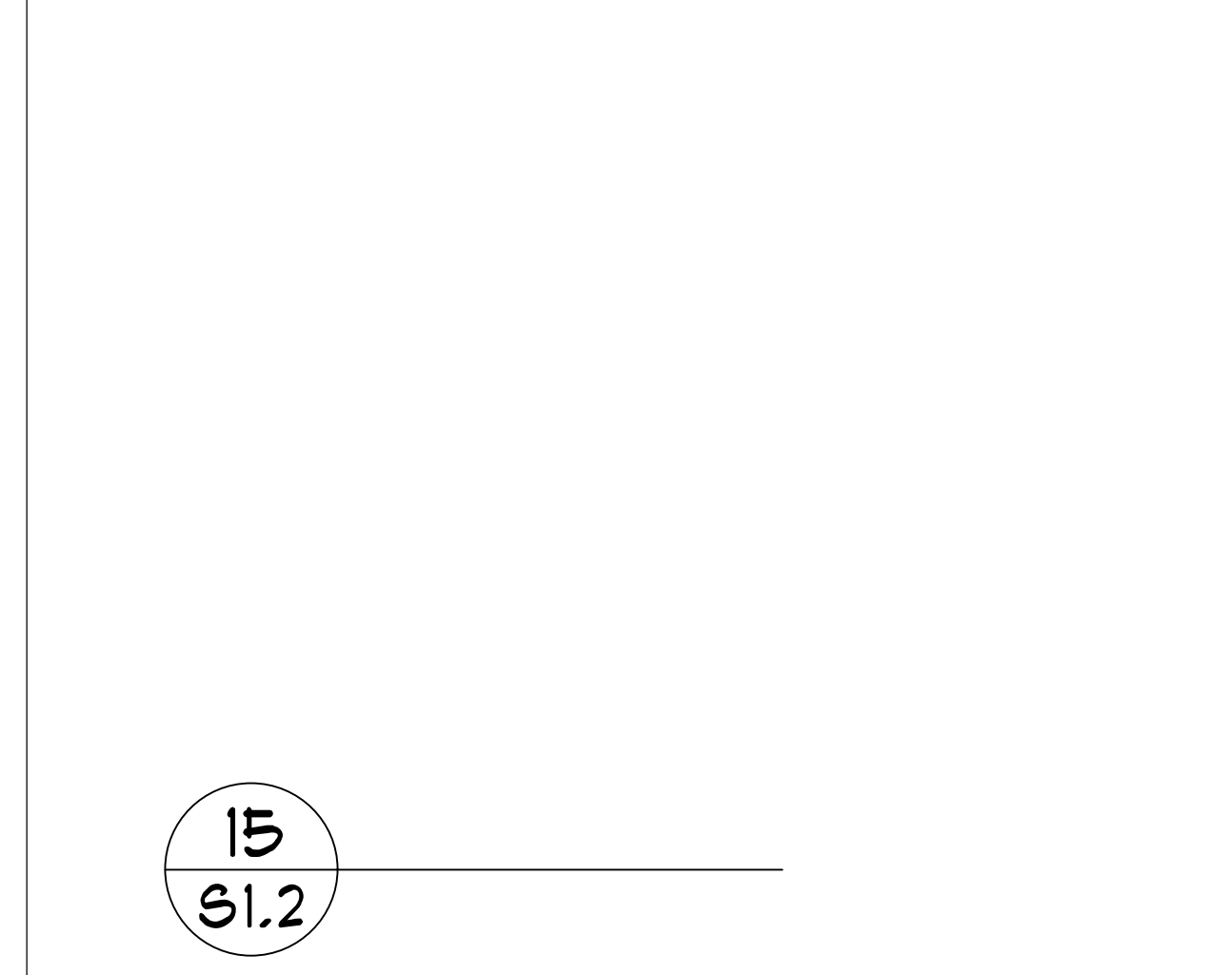
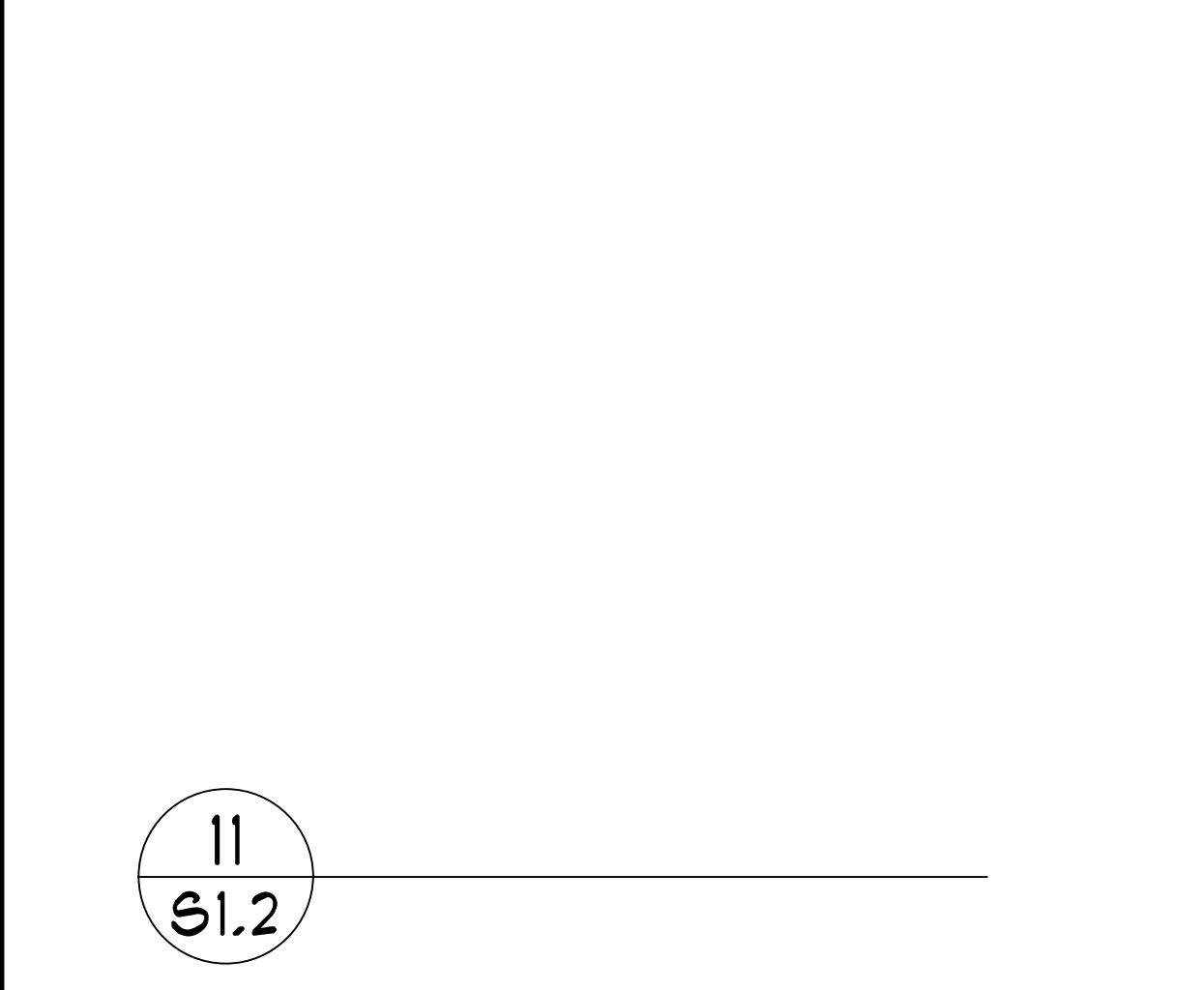
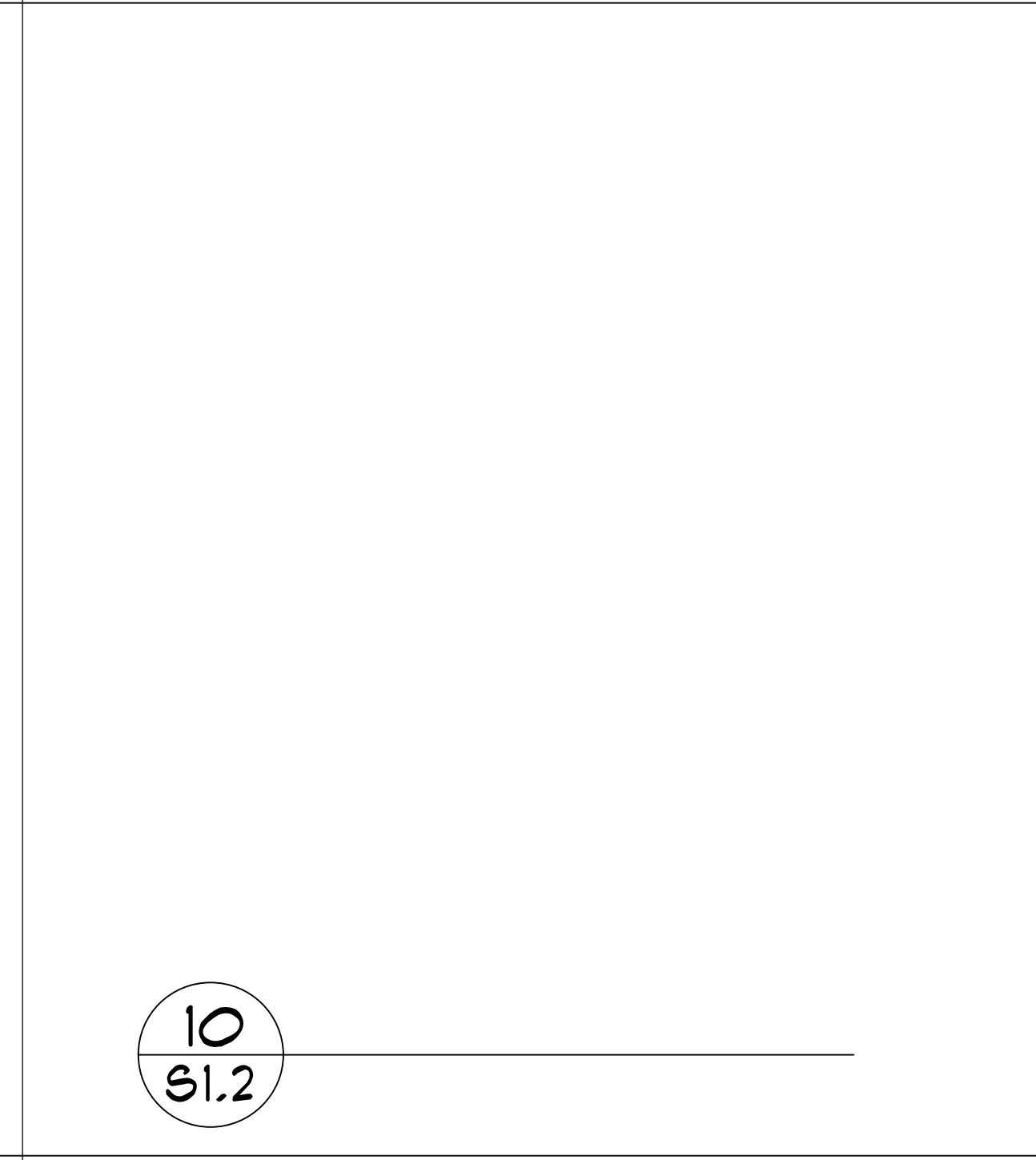
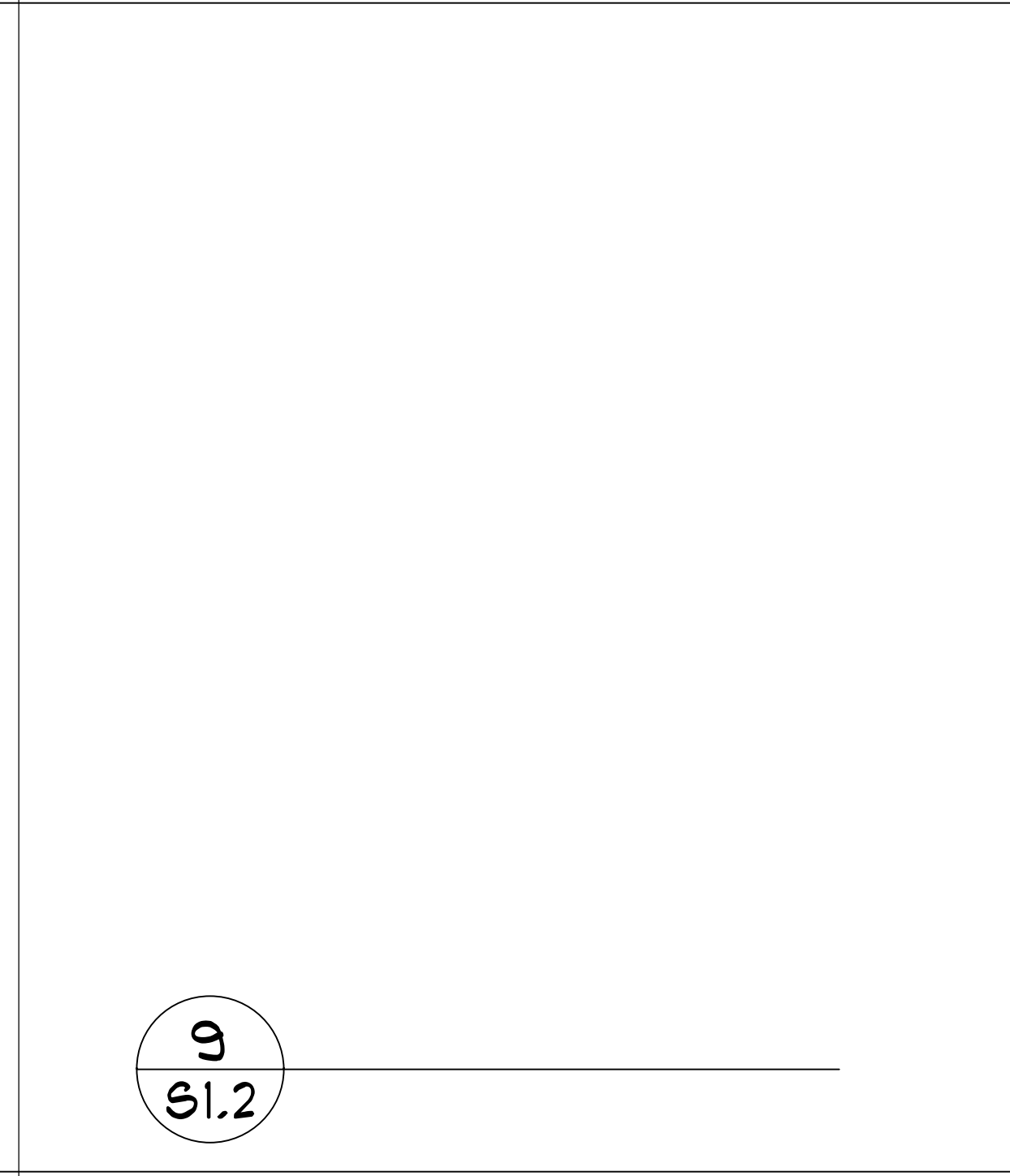
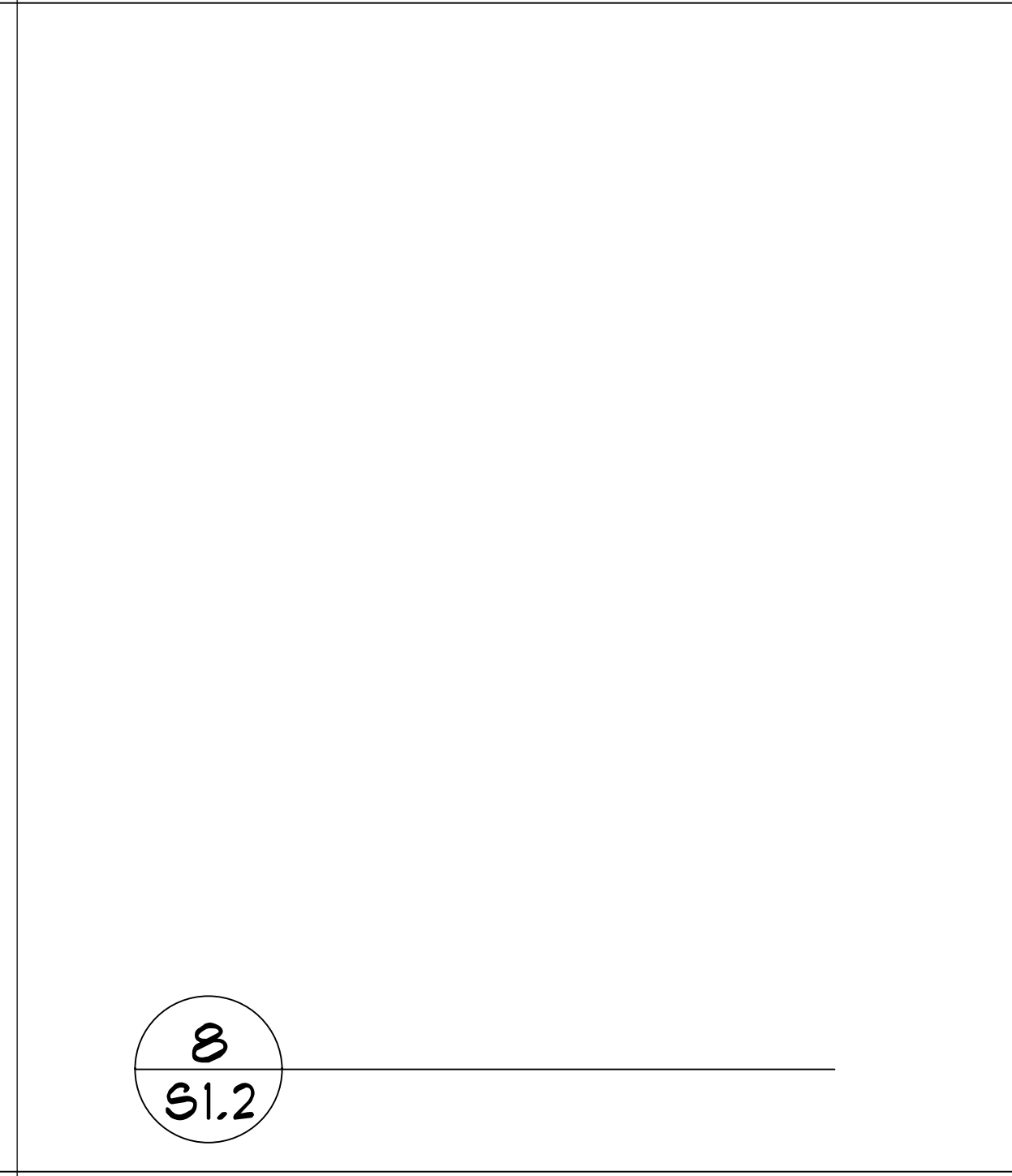
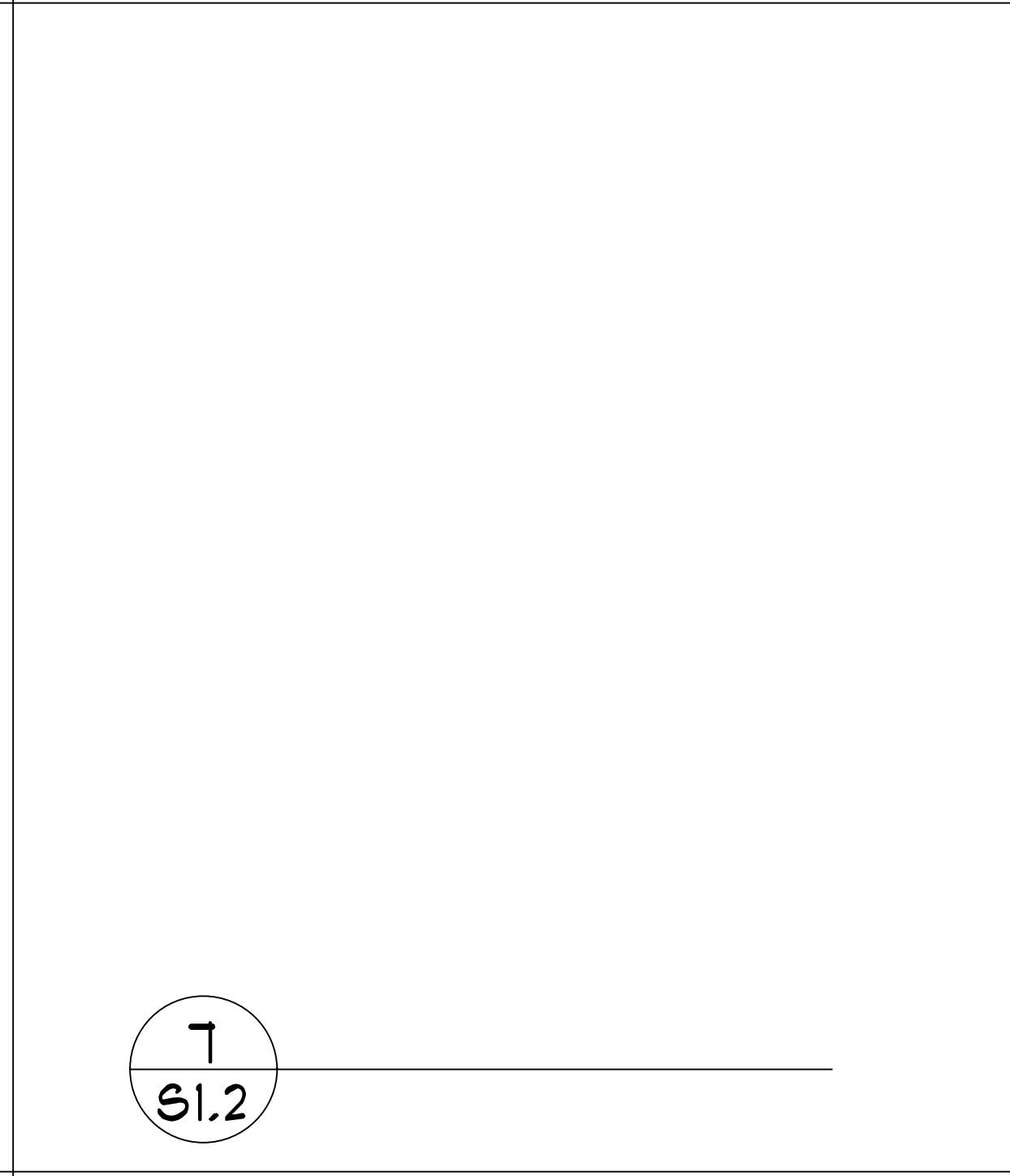
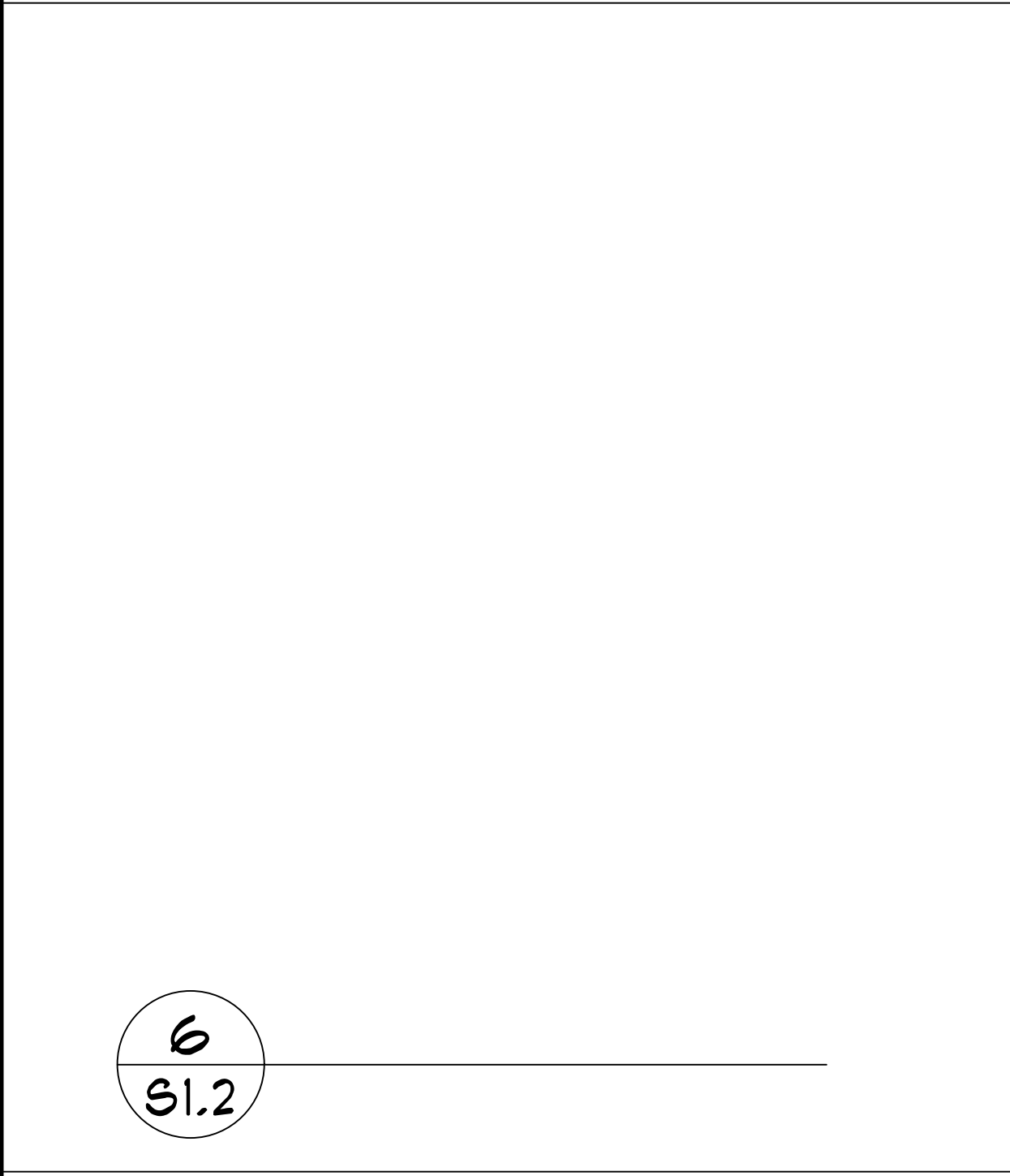
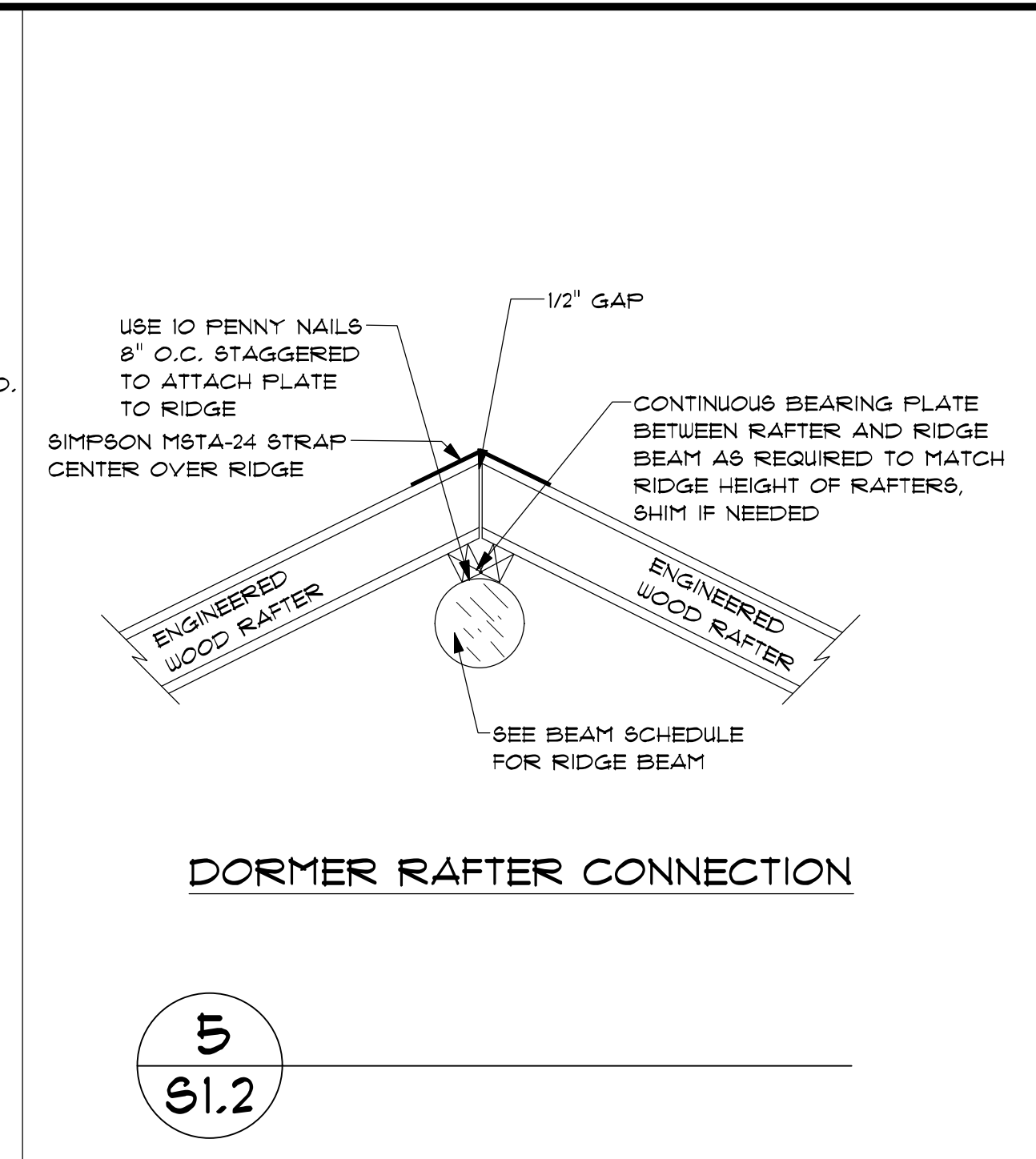
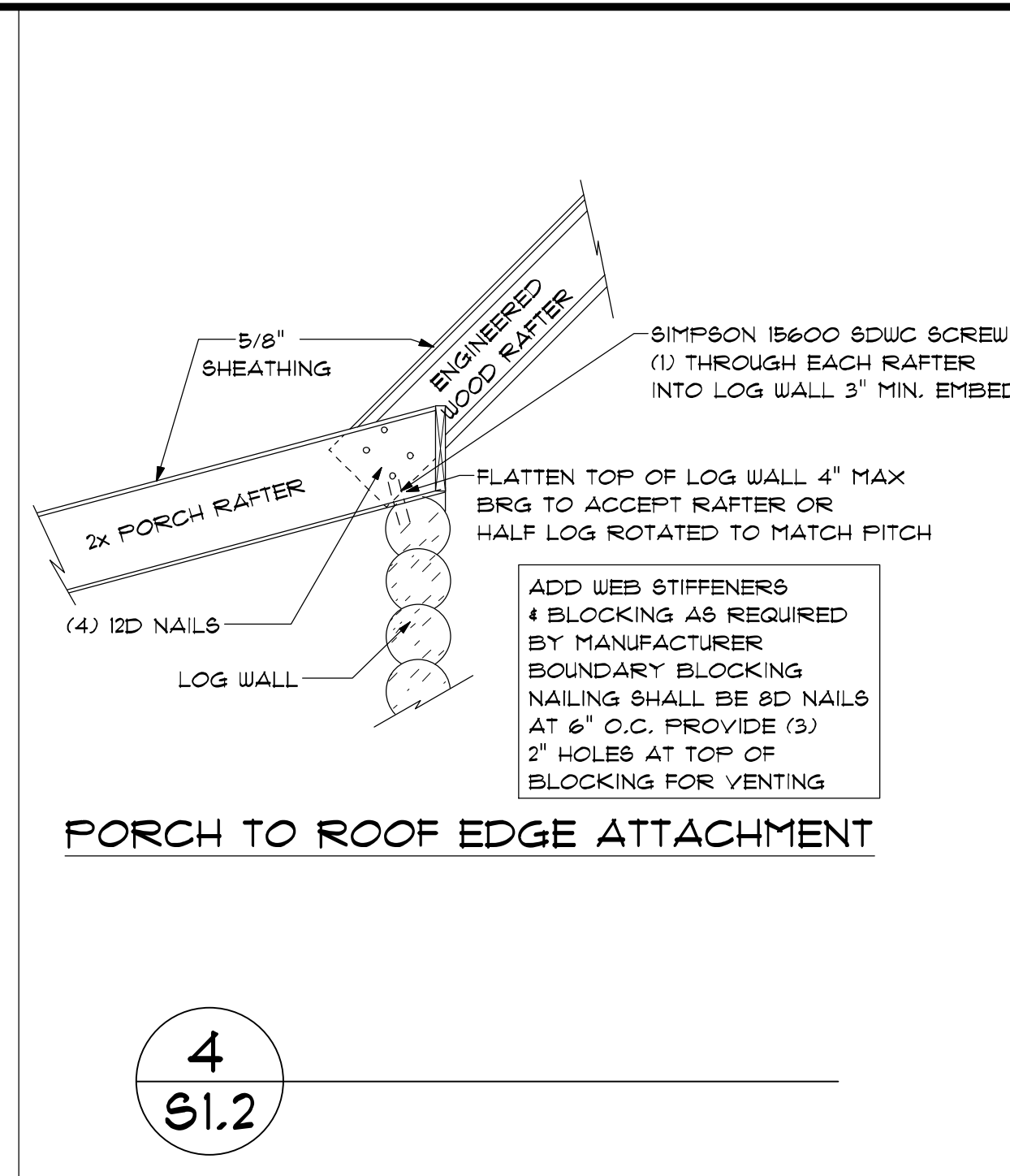
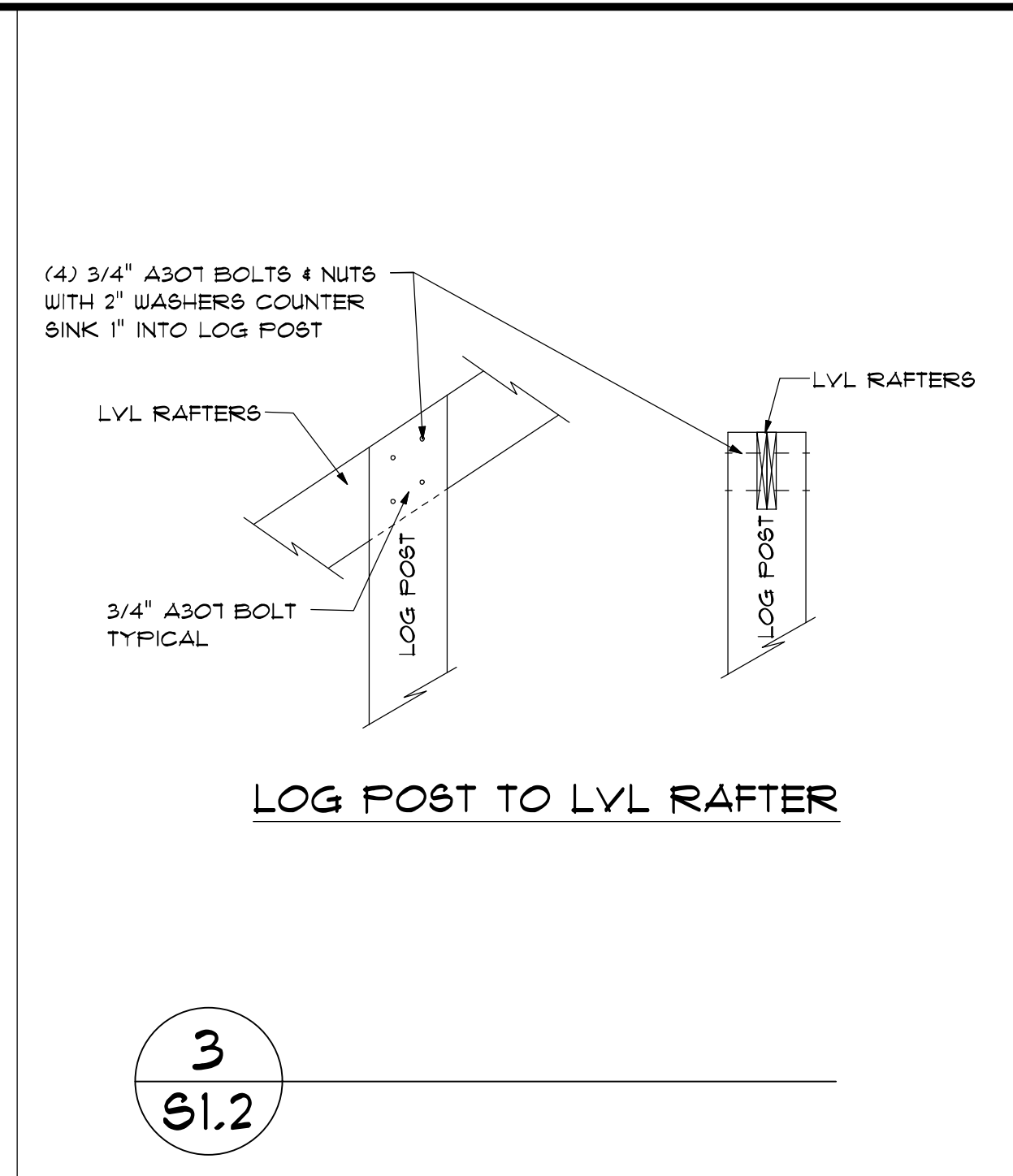
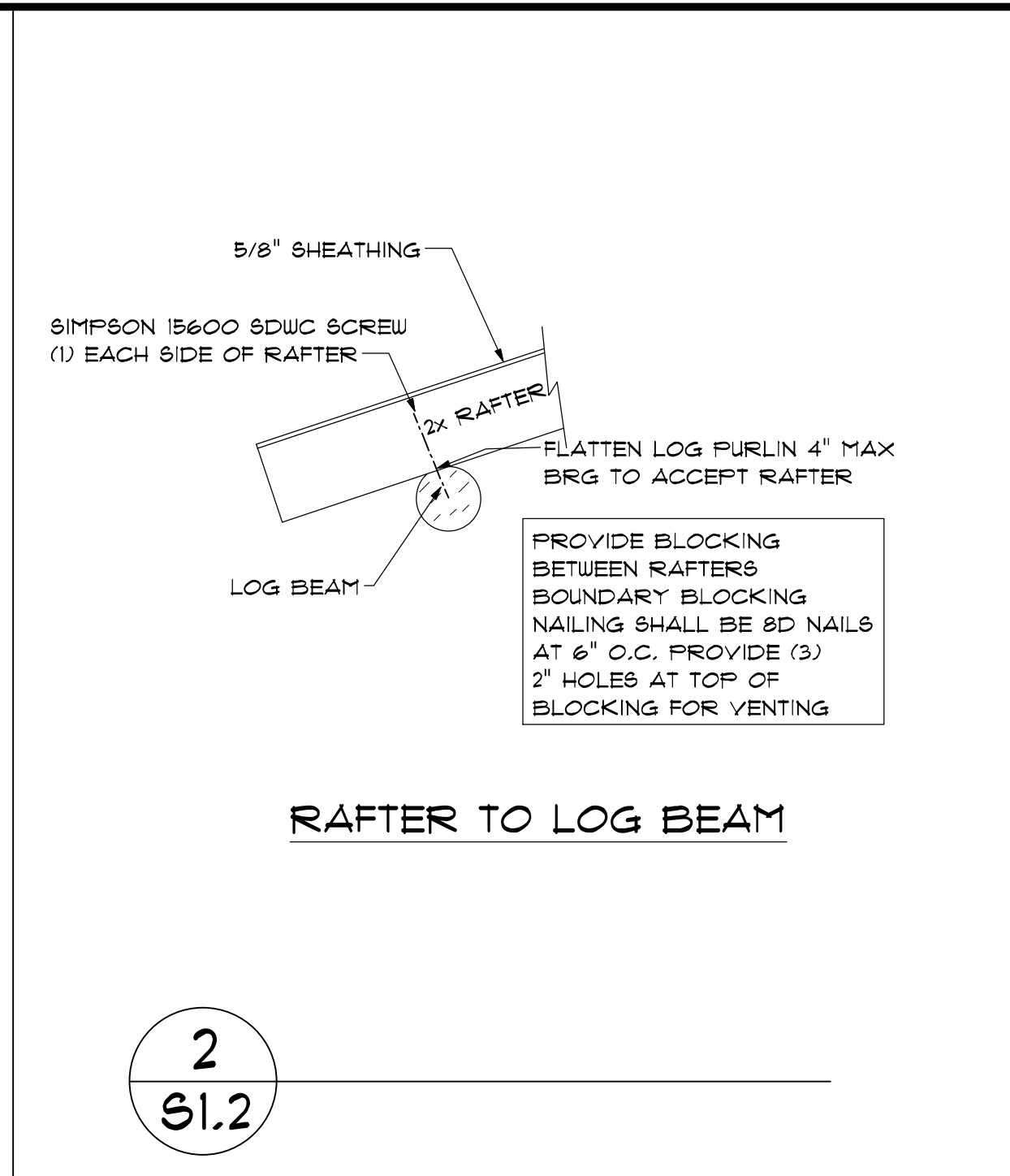
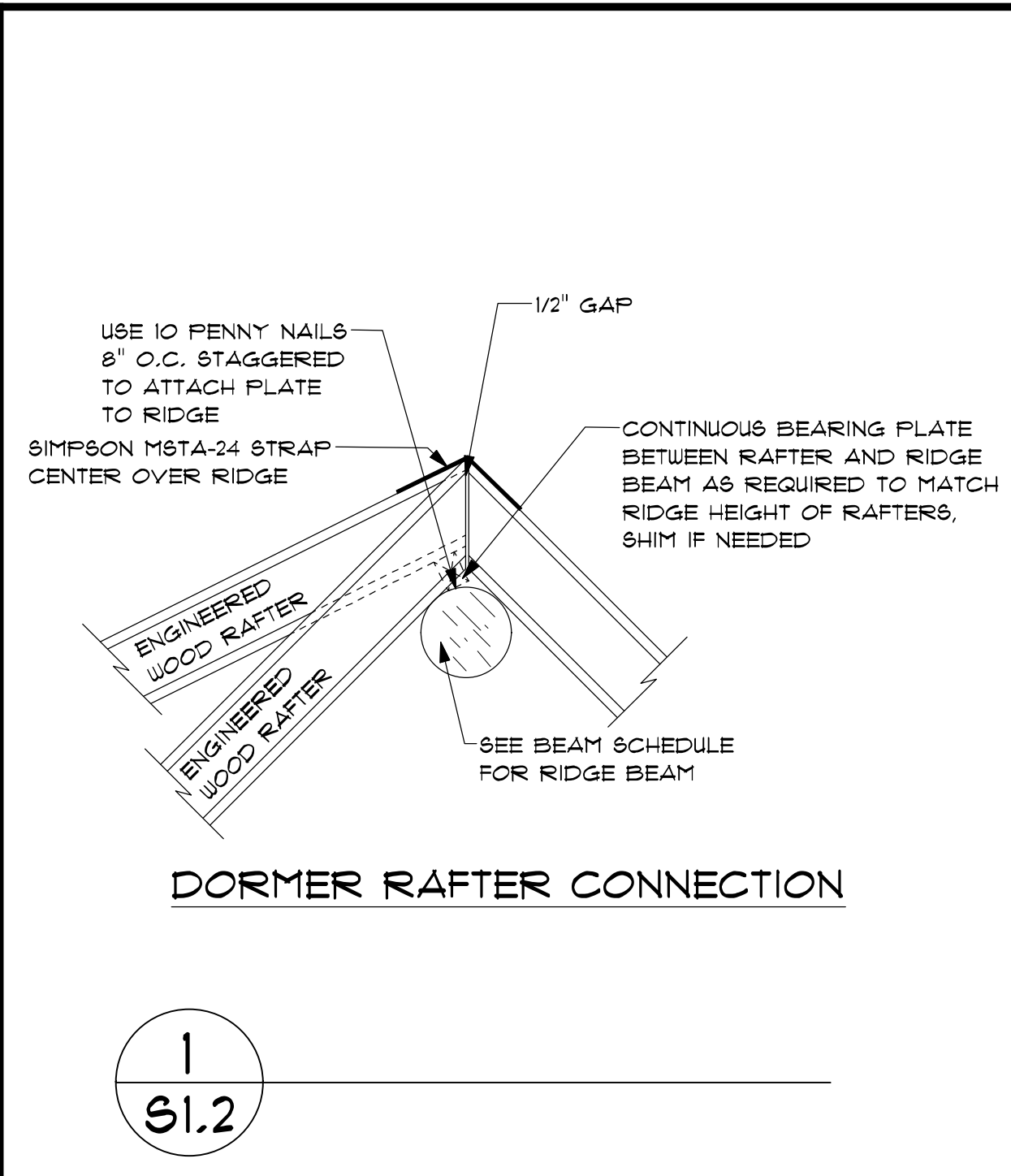


LOG DORMER WALL TO LVL RAFTER

14
Sl.1

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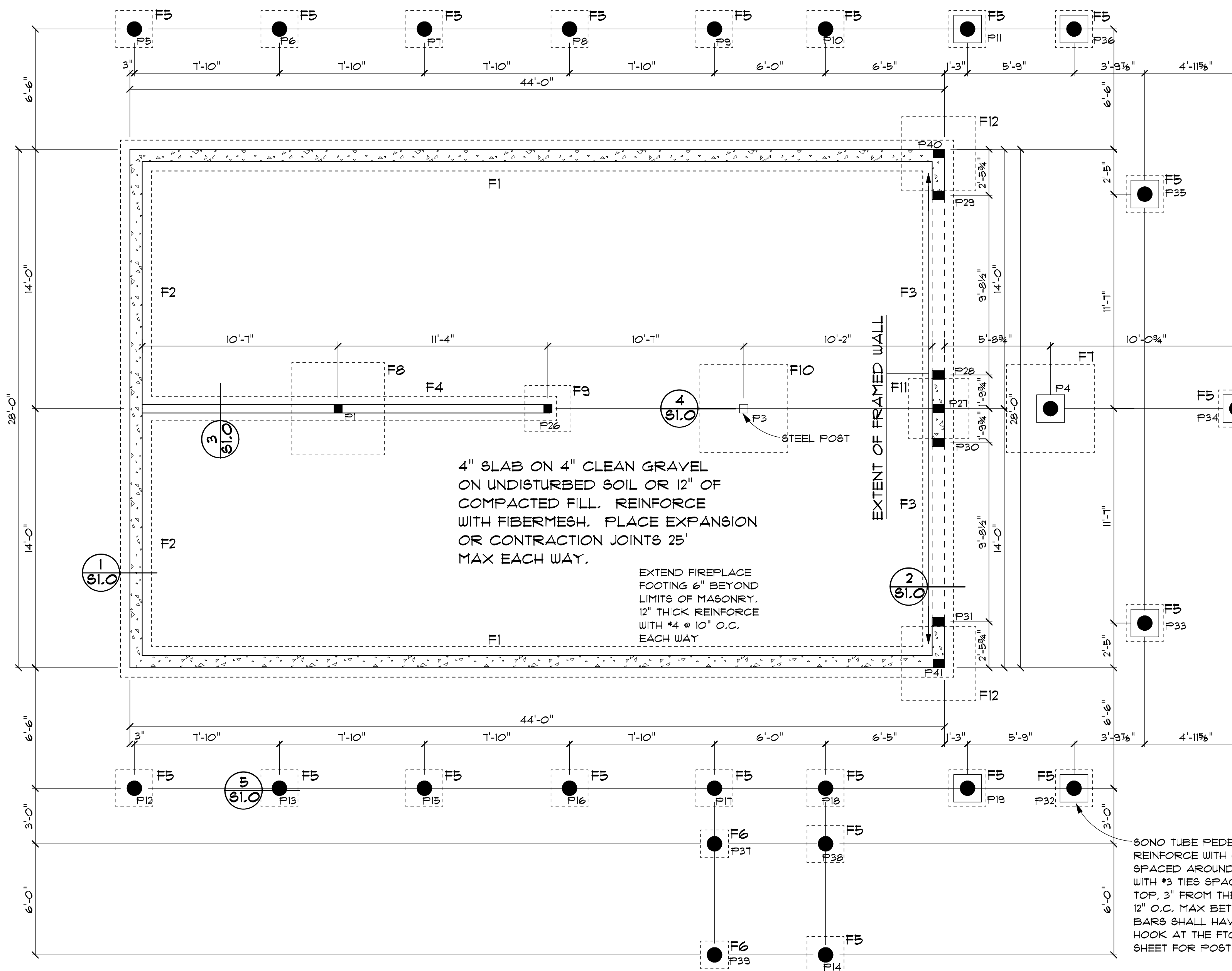


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DATE: September 27, 2011
REVISIONS:
DRAWING:
SCALE: AS NOTED
DRAWN BY: MDJ
2017-202
DESIGN INTELLIGENCE, LLC
1031 ERIKSON DR.
REXBURG, IDAHO 83440
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FAX: (208) 359-0140
DESIGN INTELLIGENCE, LLC
RULES RESIDENCE
WEBER COUNTY, UT
S1.2



ALTERNATE BIG FOOT FOOTING SCHEDULE:
 FOR SPREAD FOOTINGS:
 UP TO 18"X18" USE BF20
 UP TO 21"X21" USE BF24
 UP TO 24"X24" USE BF28
 UP TO 30"X30" USE BF36

BLOCKOUTS
 CONTRACTOR SHALL VERIFY ALL WINDOW AND DOOR ROUGH OPENING SIZES BEFORE FORMING BLOCKOUTS. SEE ARCHITECTURAL DRAWINGS FOR ALL WINDOW AND DOOR SIZES AND LOCATIONS.

FOUNDATION NOTES:
 1. SEE SHEET 50 FOR ADDITIONAL GENERAL NOTES.
 2. BOTTOM OF FOOTING SHALL BE BELOW LOCAL FROST LINE.

BOTTOM OF FOOTINGS MAY VARY
 SEE ARCHITECTURAL DRAWINGS

FOOTING SCHEDULE
 F1 = 26X10 CONT. FTG WITH (3) #4 CONT.
 F2 = 20X10 CONT. FTG WITH (2) #4 CONT.
 F3 = 16X10 CONT. FTG WITH (2) #4 CONT.
 F4 = 12X8 CONT. FTG WITH (2) #4 CONT.
 F5 = 24X24X12 FTG WITH (3) #4 EACH WAY
 F6 = 18X18X12 FTG WITH (3) #4 EACH WAY
 F7 = 54X54X12 FTG WITH (7) #4 EACH WAY
 F8 = 63X63X12 FTG WITH (8) #4 EACH WAY
 F9 = 30X30X12 FTG WITH (4) #4 EACH WAY
 F10 = 51X51X12 FTG WITH (7) #4 EACH WAY
 F11 = 39X39X12 FTG WITH (5) #4 EACH WAY
 F12 = 48X48X12 FTG WITH (6) #4 EACH WAY

POST SCHEDULE
 P1 = (1) DF #1 6X8
 P2 = (1) 10" R LOG POST
 P3 = (1) HSS 4x4x1/4 W/ 12X12X1 BF
 P4-P25 = (1) 10" R LOG POST
 P26 = (2) DF #1 2x6
 P27-P31 = (2) DF #1 2x8
 P32-P39 = (1) 10" R LOG POST
 P40-P41 = (1) DF #1 6X8

SONO TUBE PEDESTAL REINFORCE WITH (4) #4 EQUALLY SPACED AROUND THE PERIMETER WITH #3 TIES SPACED 3" FROM THE TOP, 3" FROM THE BOTTOM AND 12" O.C. MAX BETWEEN. VERTICAL BARS SHALL HAVE A 90° STANDARD HOOK AT THE FTG END. SEE DETAIL SHEET FOR POST CONNECTION. (TYP.)

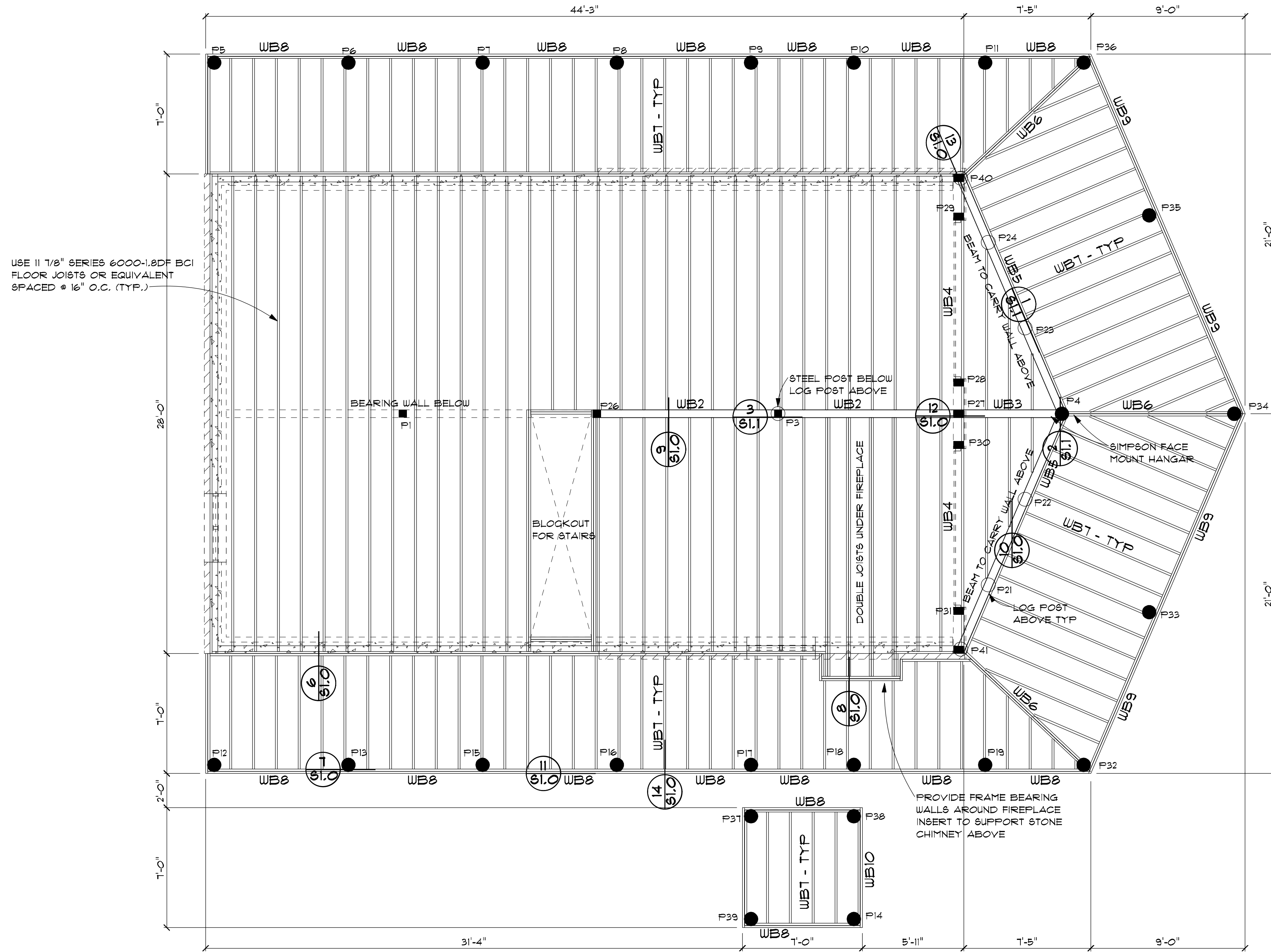
FOUNDATION PLAN

1/4" = 1'-0"

- LEGEND**
- STRUCTURAL POST
 - SONO TUBE UNO

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MAIN FLOOR FRAMING

1/4" = 1'-0"

- LEGEND**
- STRUCTURAL POST
 - STRUCTURAL LOG POST

FLOOR FRAMING NOTES:

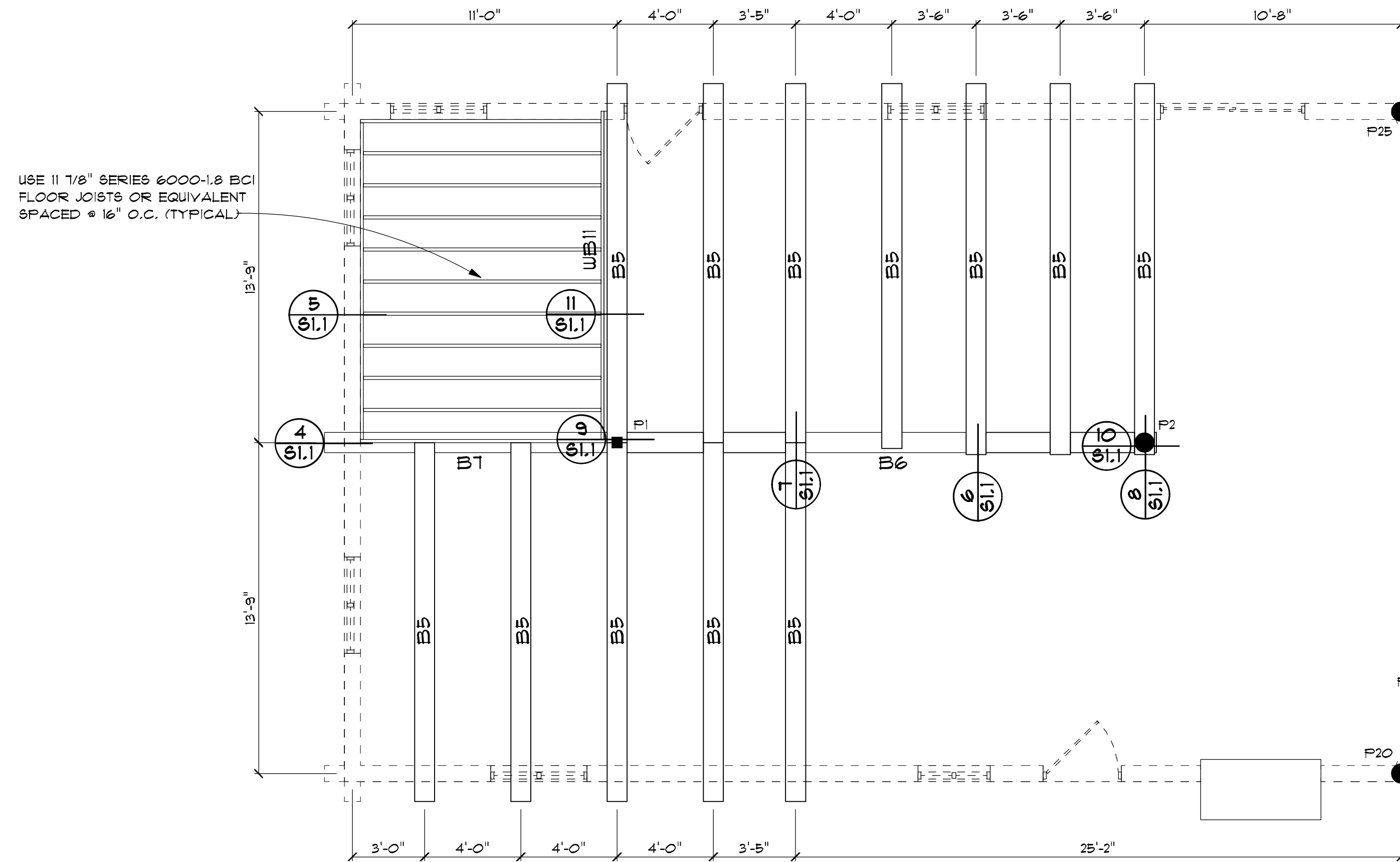
1. INSTALL JOISTS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL BRIDGING AND BRACING.
2. PROVIDE DBL JOISTS UNDER ALL BEARING WALLS THAT RUN PARALLEL TO FLOOR JOISTS.
3. FRAME AROUND STAIRS USING (2) 1.75x11.875 LVL.
4. ALL BEARING WALL HEADERS SHALL BE (2) CONTINUOUS LOG COURSES, OR (2) DF 2x10 UNLESS NOTED OTHERWISE.
5. ALL EXTERIOR WALLS ARE BEARING WALLS
6. JOIST COUNT SHOULD BE DETERMINED FROM JOIST SPACING NOT FROM DRAWING LAYOUT.
7. SEE SHEET S2 FOR STRUCTURAL POST SIZES.
8. SEE SHEET S5 FOR BEAM SCHEDULE.

RESPONSIBILITY FOR LOG SHRINKAGE

SINCE THE ENGINEER DOES NOT KNOW THE SOURCE OF LOGS TO BE USED IN CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOUNT FOR LOG SHRINKAGE USING ADJUSTABLE SCREW JACKS OR OTHER MEANS ACCEPTED IN THE LOG HOME BUILDING INDUSTRY.

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SECOND FLOOR FRAMING

1/4" = 1'-0"

- LEGEND**
- STRUCTURAL POST
 - STRUCTURAL LOG POST

LOG FLOOR FRAMING NOTES:

1. ALL LOG HEADERS SHALL BE (2) CONT. COARSES OF WALL LOG UNLESS NOTED OTHERWISE.
2. COVER LOG JOISTS WITH 2x6 T&G DECKING.
3. SEE SHEET S2 FOR STRUCTURAL POST SIZES.
4. SEE SHEET S5 FOR BEAM SCHEDULE.

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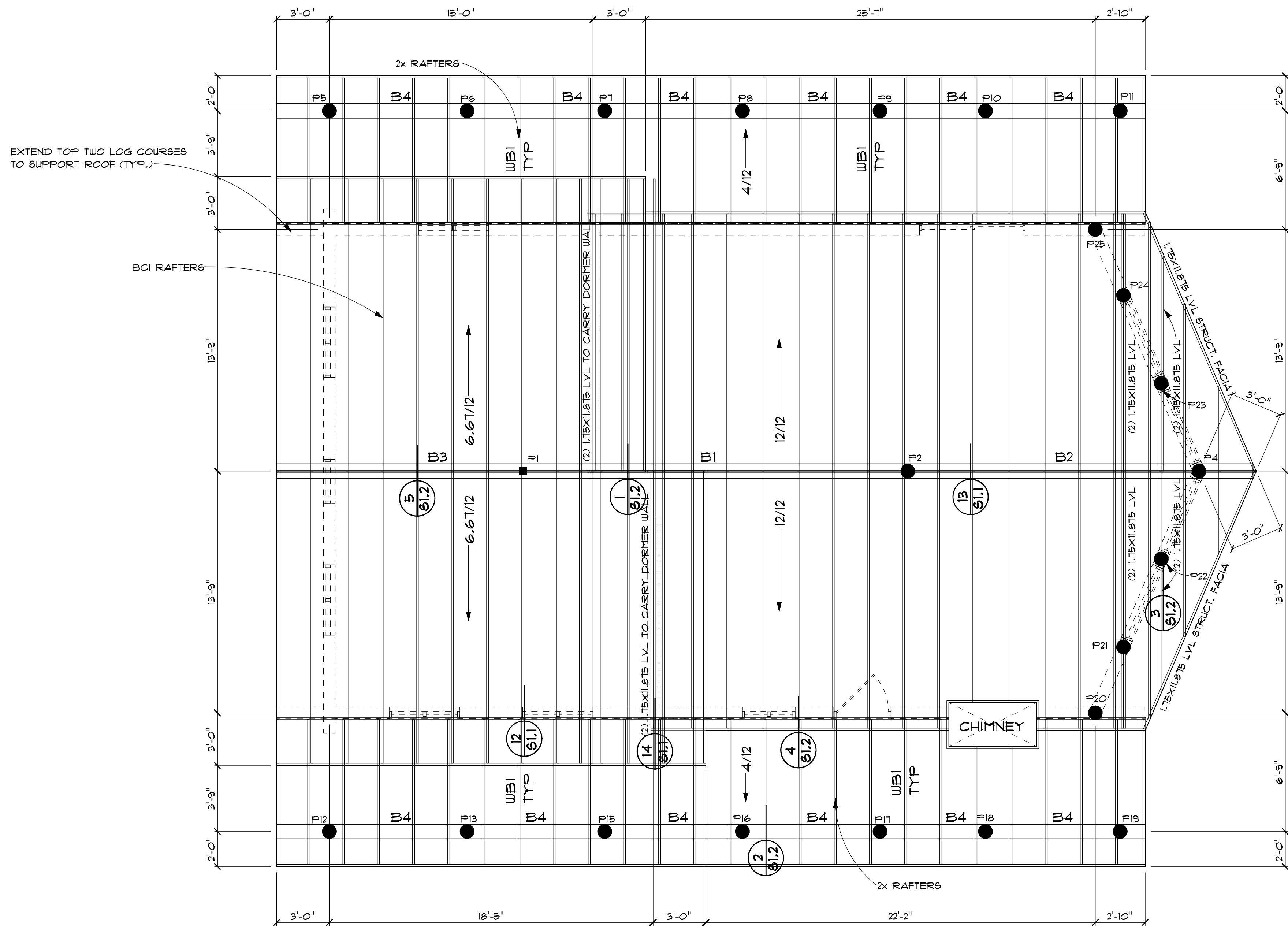
RESPONSIBILITY FOR LOG SHRINKAGE

SINCE THE ENGINEER DOES NOT KNOW THE SOURCE OF LOGS TO BE USED IN CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOUNT FOR LOG SHRINKAGE USING ADJUSTABLE SCREW JACKS OR OTHER MEANS ACCEPTED IN THE LOG HOME BUILDING INDUSTRY.

CONTRACTOR'S RESPONSIBILITY
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<p>S4</p> <p>DATE: September 21, 2011</p> <p>REVISIONS:</p> <p>DRAWING:</p>
<p>SCALE: AS NOTED</p> <p>DRAWN BY: MCDU</p> <p>2011-202</p>
<p>DESIGN INTELLIGENCE, LLC</p> <p>1031 ERIKSSON DR. REXBURG, IDAHO 83440</p> <p>TEL: (208) 358-1461 FAX: (208) 358-0140</p>
<p>RULES RESIDENCE</p> <p>WEBER COUNTY, UT</p>
<p>S4</p>



ROOF FRAMING

1/4" = 1'-0"

- LEGEND**
- STRUCTURAL POST
 - STRUCTURAL LOG POST

HAND FRAMED ROOF NOTES:

1. INSTALL RAFTERS PER MANUFACTURER'S RECOMMENDATIONS INCLUDING ALL BRIDGING AND BRACING.
2. PROVIDE SIMPSON H2.5 OR EQUAL AT BRG ENDS OF EACH RAFTER.
3. RAFTER COUNT SHOULD BE DETERMINED FROM RAFTER SPACING NOT FROM DRAWING LAYOUT.
4. BEARING WALL HEADERS SHALL BE (2) CONTINUOUS LOG COURSES, OR (2) DF 2x10 UNLESS NOTED OTHERWISE.
5. ALL ROOF OVERHANGS SHALL BE AS NOTED.

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DORMER WALLS TO BE BUILT ON TOP OF LVL RAFTERS.

BEAM SCHEDULE

- WB1 = DF 2x6 @ 24 IN. O.C.
- WB2 = (2) 1.75X11.875 LVL
- WB3 = (2) 1.75X11.875 LVL
- WB4 = (2) 1.75X11.875 LVL
- WB5 = 6.75X12 GLB (24F-V4)
- WB6 = (2) DF 2x8
- WB7 = DF 2x8 @ 16 IN. O.C.
- WB8 = (2) DF 2x8
- WB9 = (2) DF 2x12
- WB10 = (2) DF 2x12
- WB11 = (2) 1.75X11.875 LVL

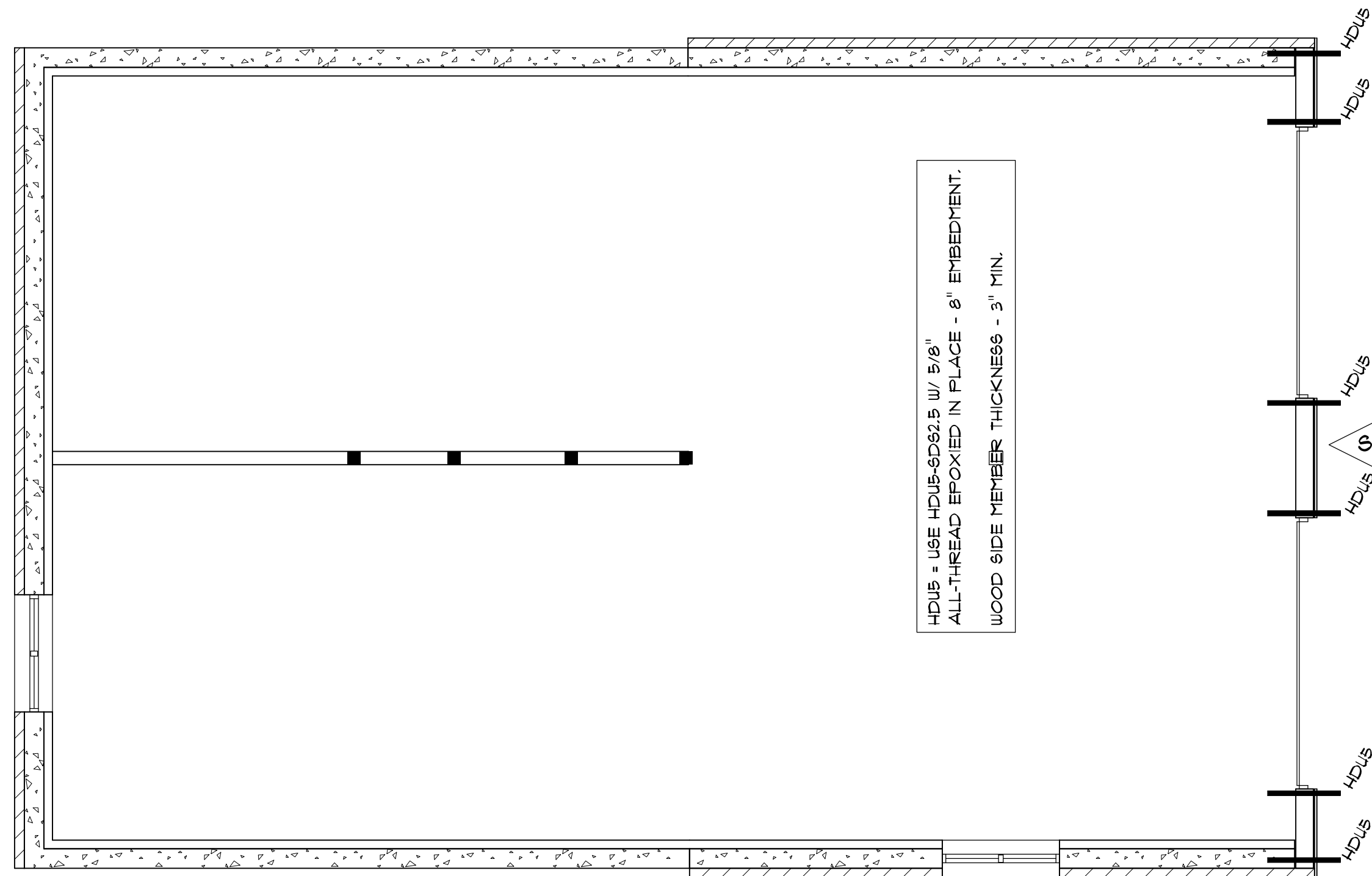
ALL DOUG FIR SHALL BE SELECT STRUCTURAL U.N.O.

BCI RAFTER SHALL BE 11 7/8" BCI 6000-1.8 DF SPACED AT 24" O.C. TYP.

- B1 = 18"R LODGE POLE SELECT
- B2 = 18"R WEST WOOD SELECT
- B3 = 16"R WEST WOOD SELECT
- B4 = 8"R WEST WOOD SELECT
- B5 = 10"R WEST WOOD SELECT
- B6 = 16"R DOUG FIR SELECT
- B7 = 16"R WEST WOOD SELECT

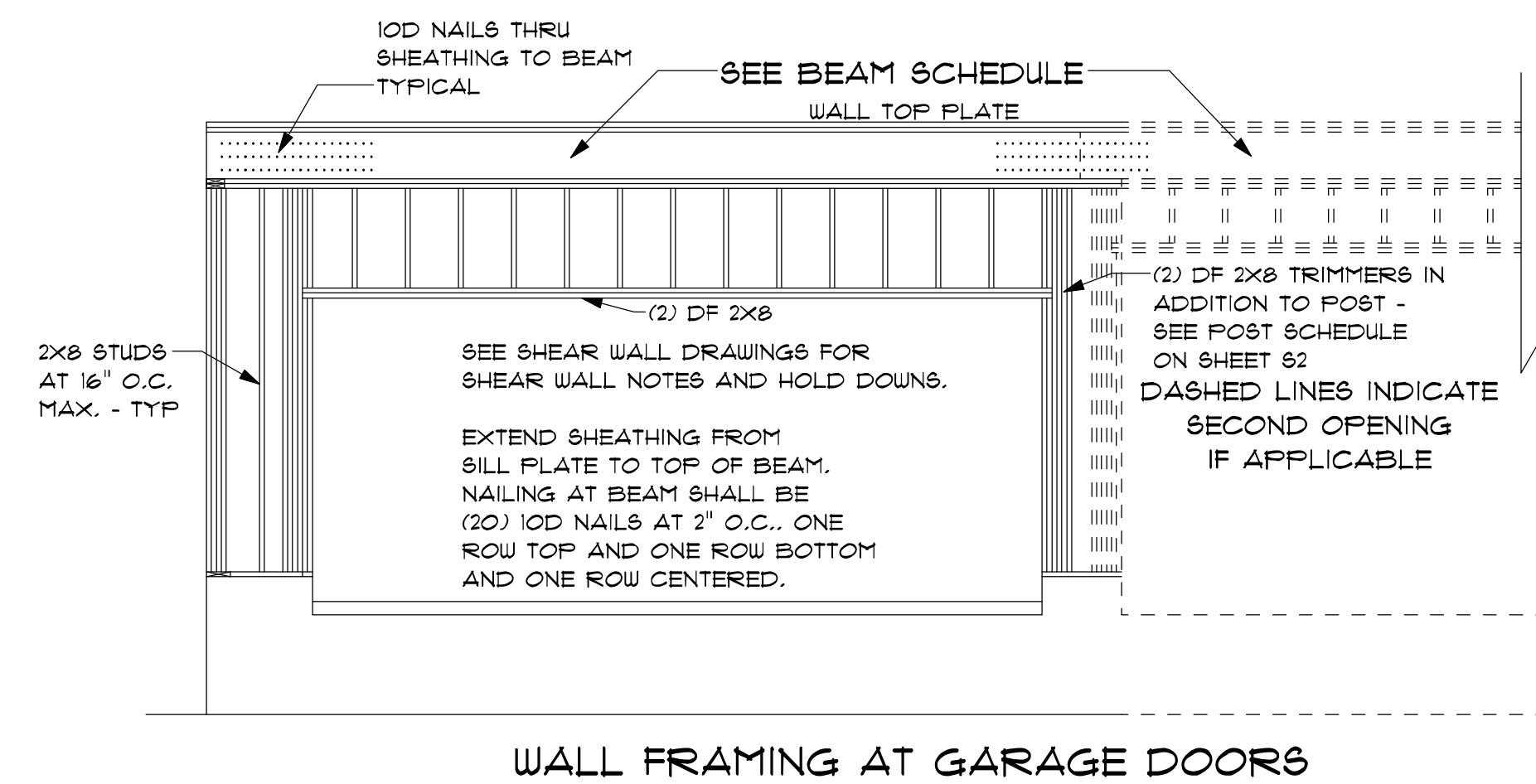
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BASEMENT SHEAR WALLS

1/4" = 1'-0"



NOTE: 1 1/2" 16 GAGE STAPLES MAY BE USED INSTEAD OF 8D NAILS AS FOLLOWS:

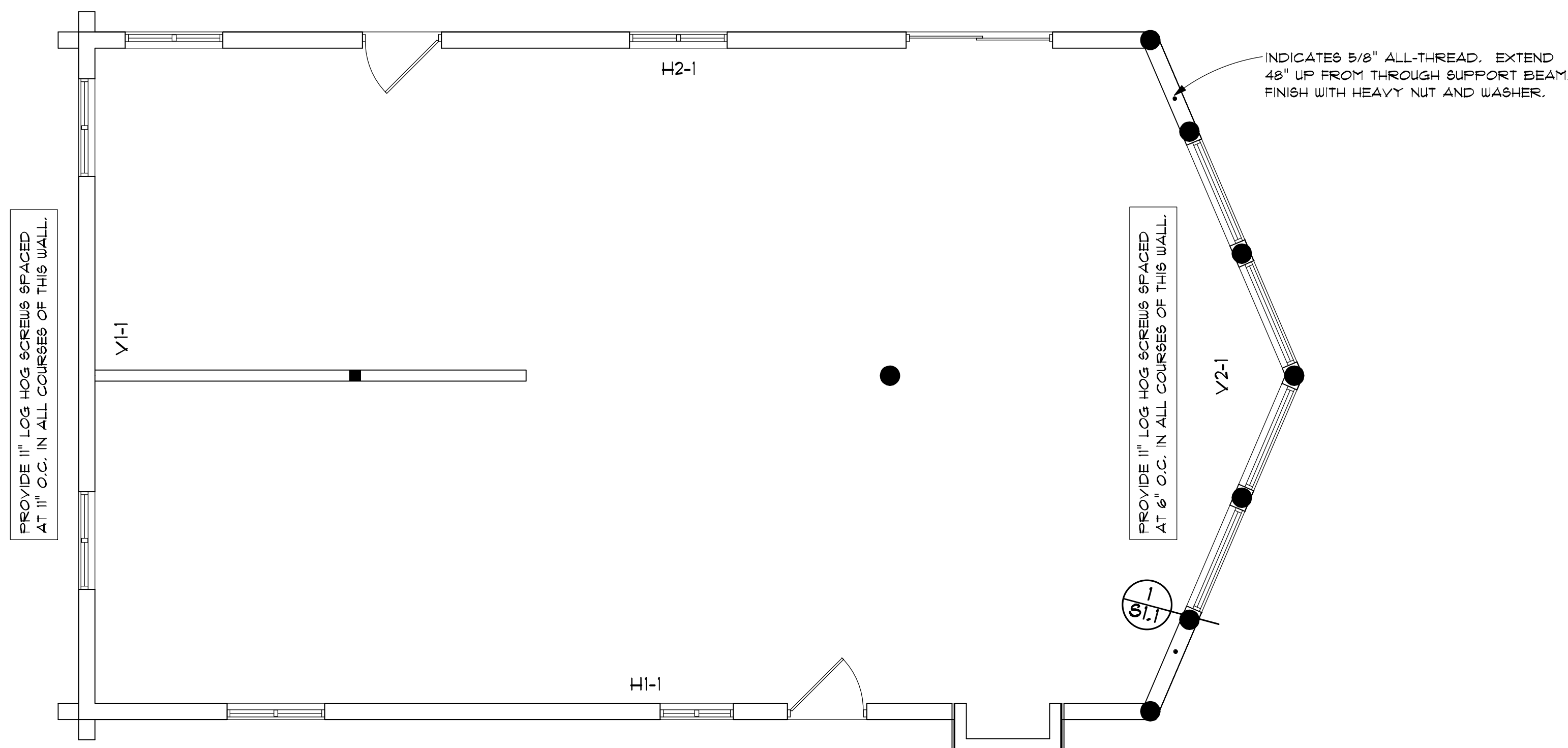
8D NAILS @ 6" O.C. = 1 1/2" 16 GA. STAPLES AT 4" O.C.
8D NAILS @ 4" O.C. = 1 1/2" 16 GA. STAPLES AT 3" O.C.
8D NAILS @ 3" O.C. = 1 1/2" 16 GA. STAPLES AT 2" O.C.

ALL HOLD DOWNS ARE SIMPSON BRAND AND SHALL BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

ALL EXTERIOR WALLS SHALL BE NAILED PER  UNLESS NOTED OTHERWISE.

SHEAR WALL NOTES

1. ALL EXTERIOR WALLS ARE DESIGNATED SHEAR WALLS.
2. ALL FRAMED SHEAR WALLS SHALL BE 2x8 @ 16" O.C.
3. PROVIDE 7/16" APA RATED SHEATHING BOTH SIDES OF THE WALL WITH 8D NAILS @ 2" O.C. AT PANEL EDGES AND 12" O.C. IN THE FIELD. 3" NOMINAL BLOCKING IS REQUIRED AT ALL PANEL EDGES INCLUDING THE SILL PLATE. NAILS ON EACH SIDE SHALL BE STAGGERED. (2044 PLF)



MAIN FLOOR SHEAR WALLS

1/4" = 1'-0"

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DATE September 21, 2017
REVISIONS
DRAWING*

DESIGN INTELLIGENCE, LLC
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SCALE AS NOTED
DRAWN BY MDJU
2017-202

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WEBER COUNTY, UT

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