

**Build your Dream Cabin from Quality Cabin Plans
by Cad Northwest Custom Home Design**



Congratulations:

You should have our free 384 SF cabin plan with loft and are one step closer to enjoying the vacation space that will result from using these plans. We hope that these plans are the correct size and configuration for your property.

Great

Do you need it larger or would like to relocate windows and doors or do you need something completely different?

No Problem

We can create a custom plan that matches your specifications in a short time and for a reasonable cost. We also have many other pre-designed plans that are displayed on our website. <http://www.cabinplans123.com/> We have many more plans that are not shown on the website. There is a good chance we have one close to your proposed building.

You should be able to see the quality and completeness of our plans. Our purchased plans are equal to these with the exception of being on full size drawing paper. We have reduced this free plan to personal printer size so that you can print them your self.

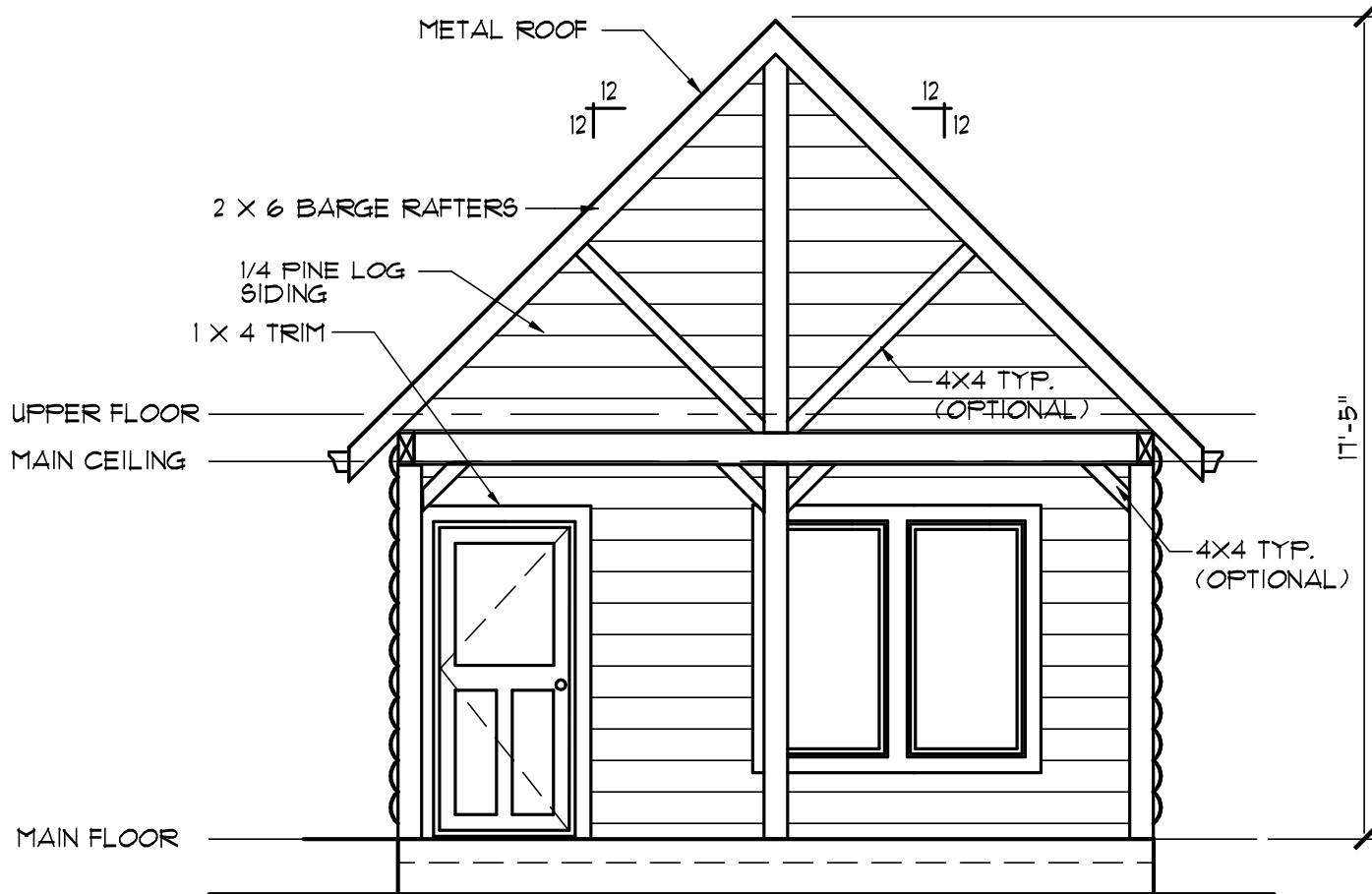
Your Next step

Call Cad Northwest (503) 625 6330 to order an inexpensive pre-designed plan, a custom plan, to receive a quote, or ask a question.

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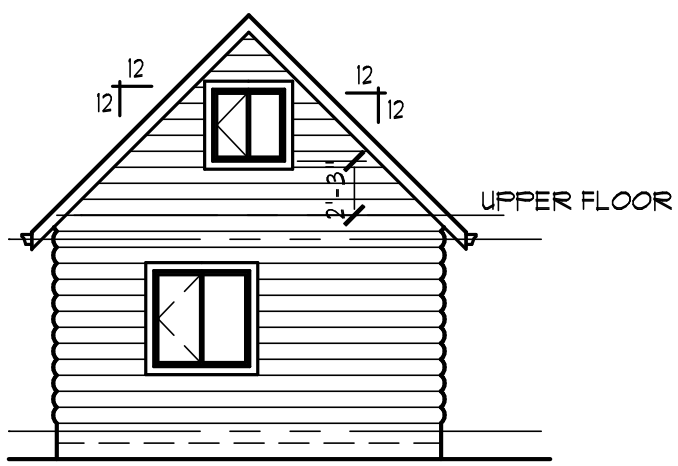
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FRONT ELEVATION

1/4" = 1'-0"



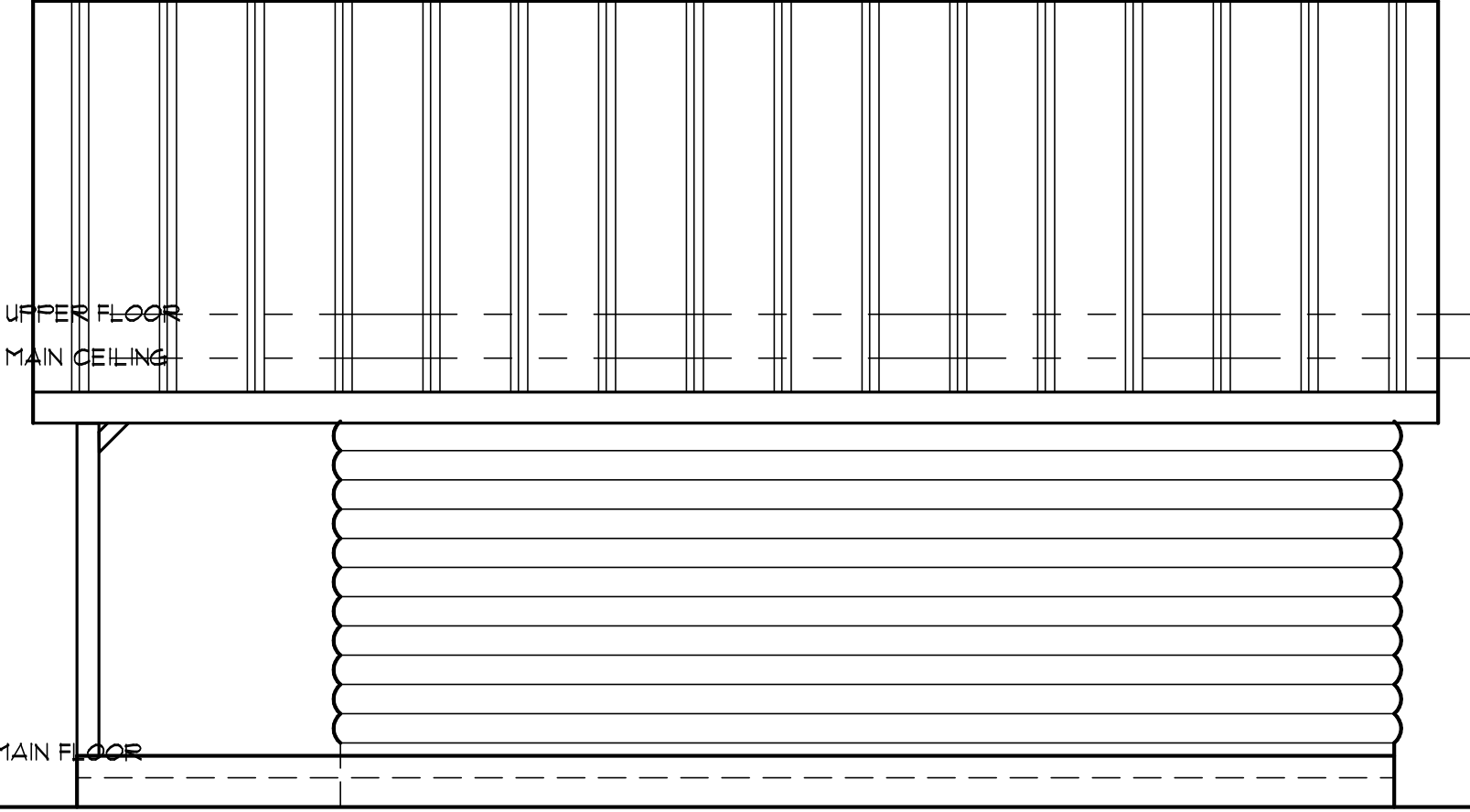
REAR ELEVATION

1/8" = 1'-0"

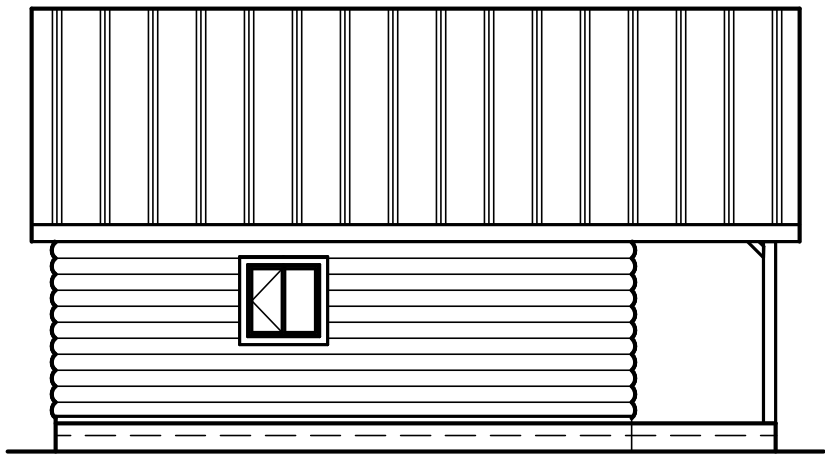
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SHEET 1 of 8
PLAN NUMBER C0384A
384 SF ONE BEDROOM CABIN WITH LOFT

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RIGHT ELEVATION
 $1/4" = 1'-0"$



LEFT ELEVATION
 $1/8" = 1'-0"$

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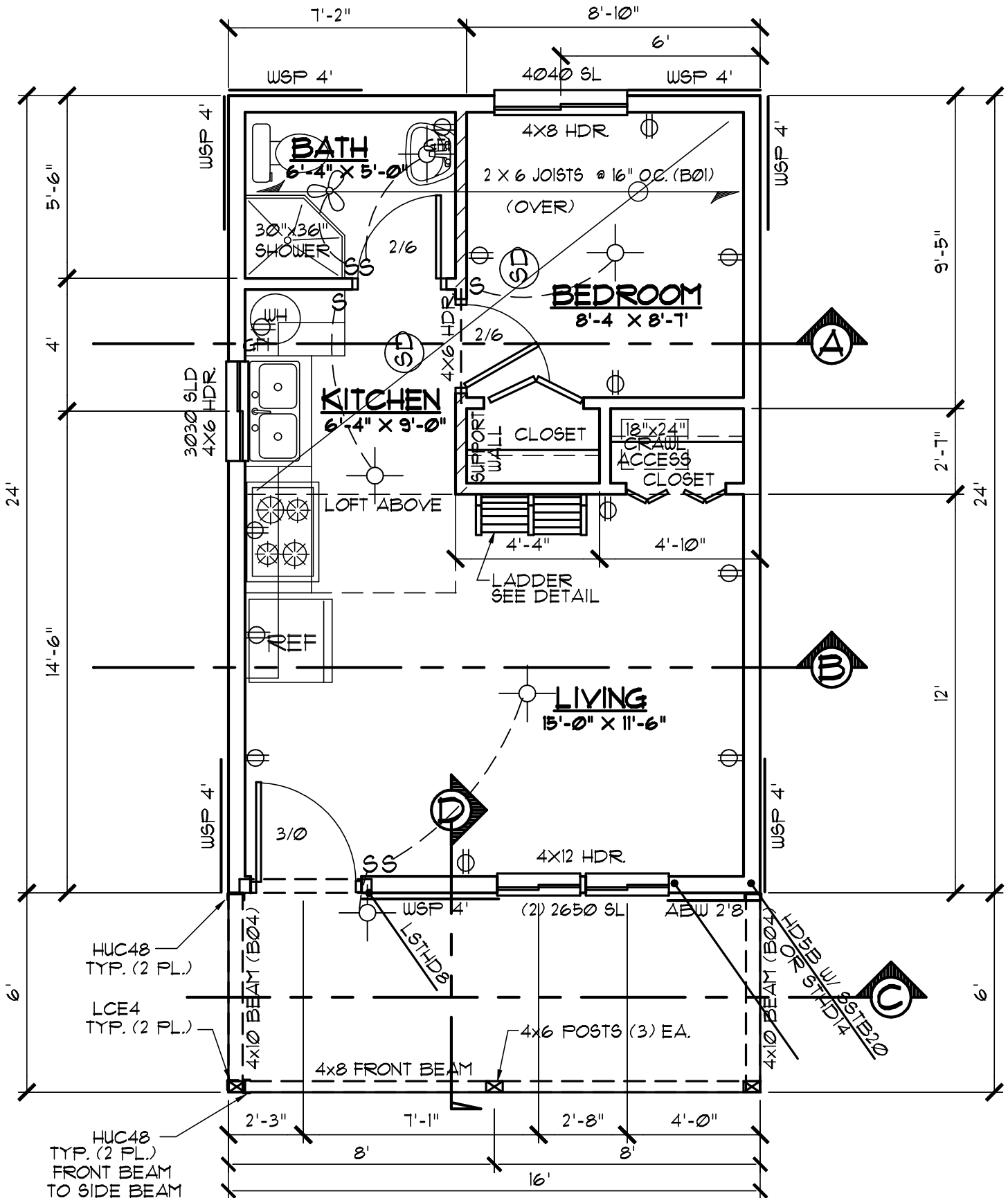
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MAIN FLOOR PLAN

384 SF 1/4" = 1'-0"

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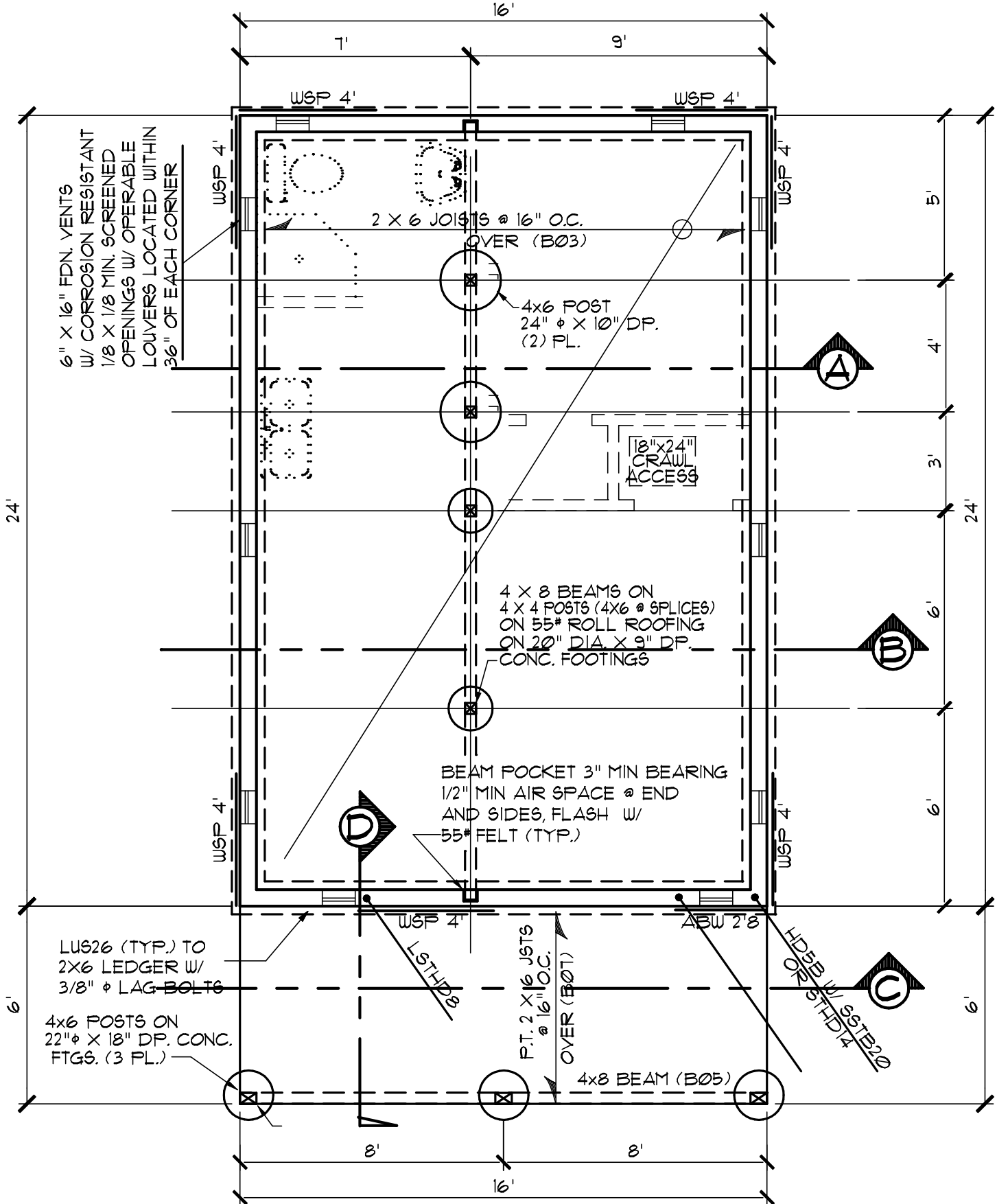
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FOUNDATION PLAN

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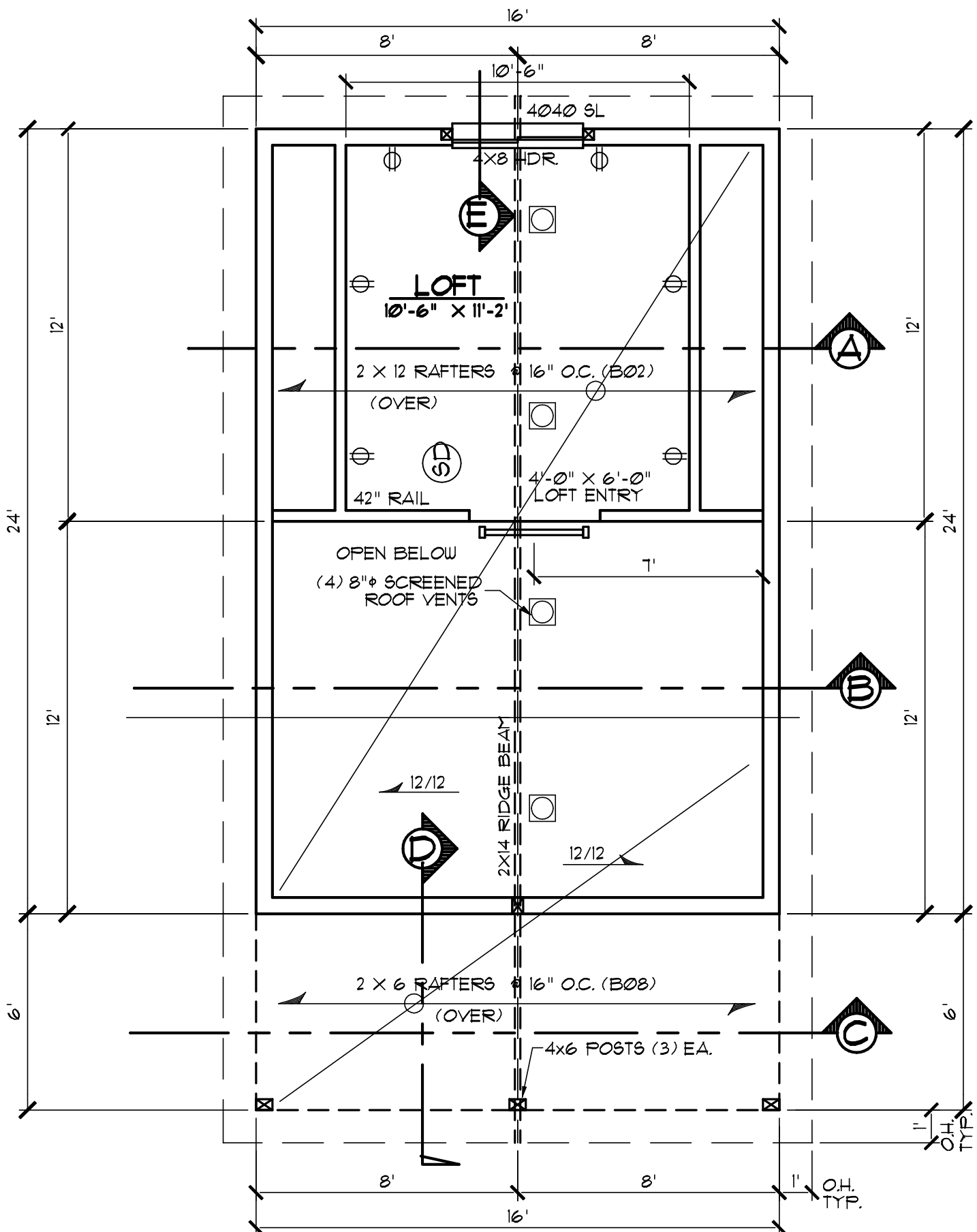
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LOFT AND ROOF PLAN

1/4" = 1'-0"

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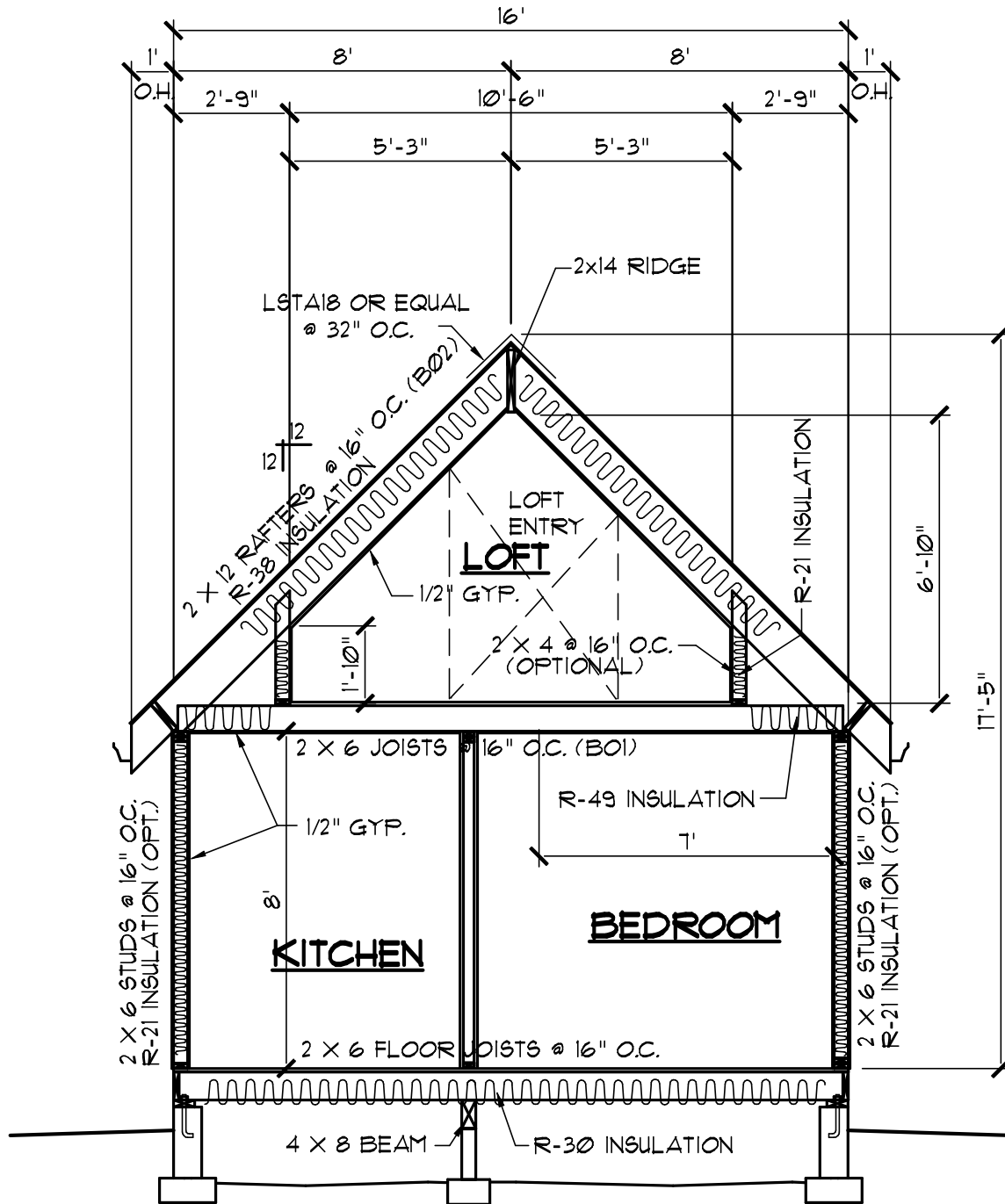
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SECTION A

1/4" = 1'-0"

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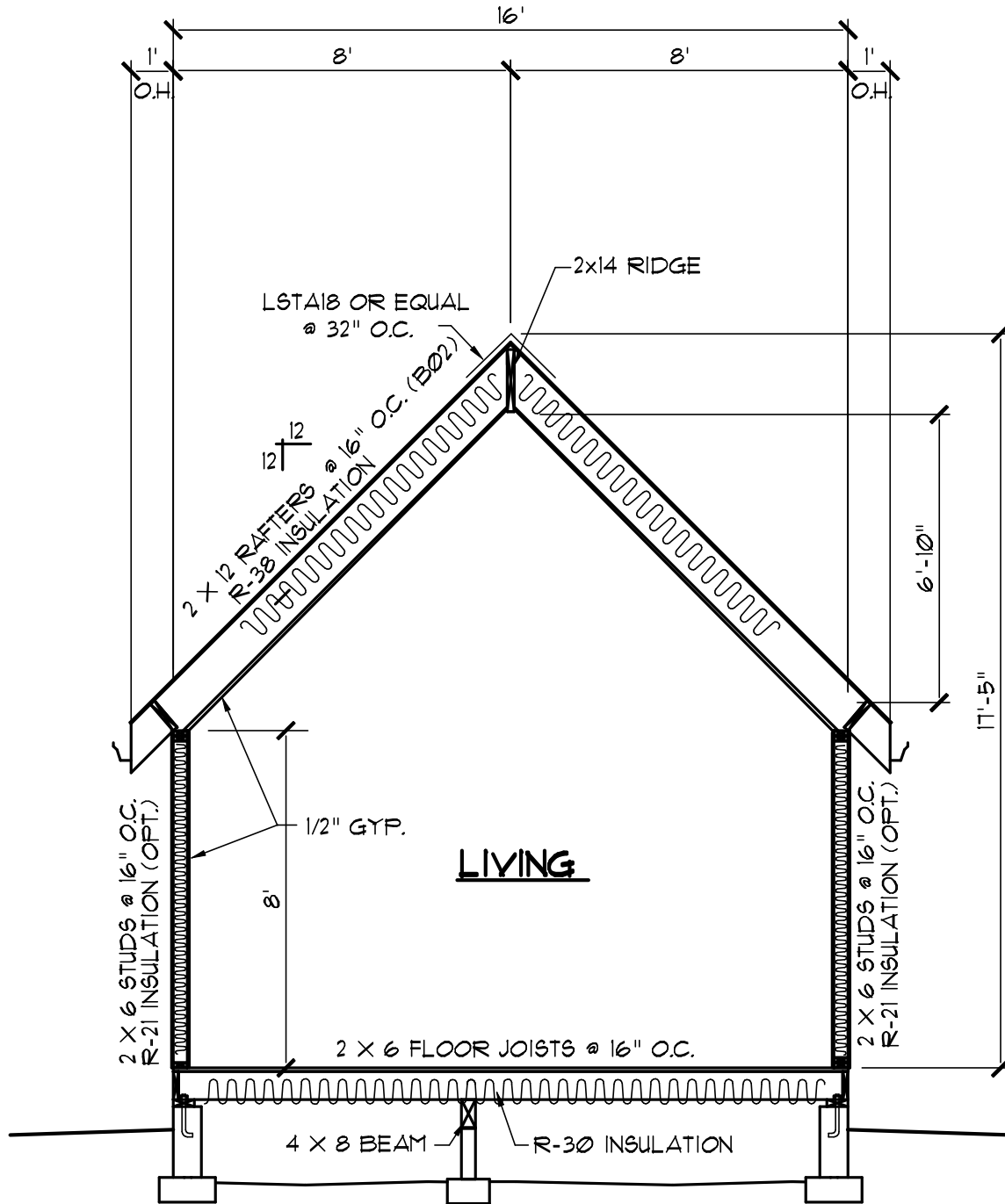
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SECTION B

1/4" = 1'-0"

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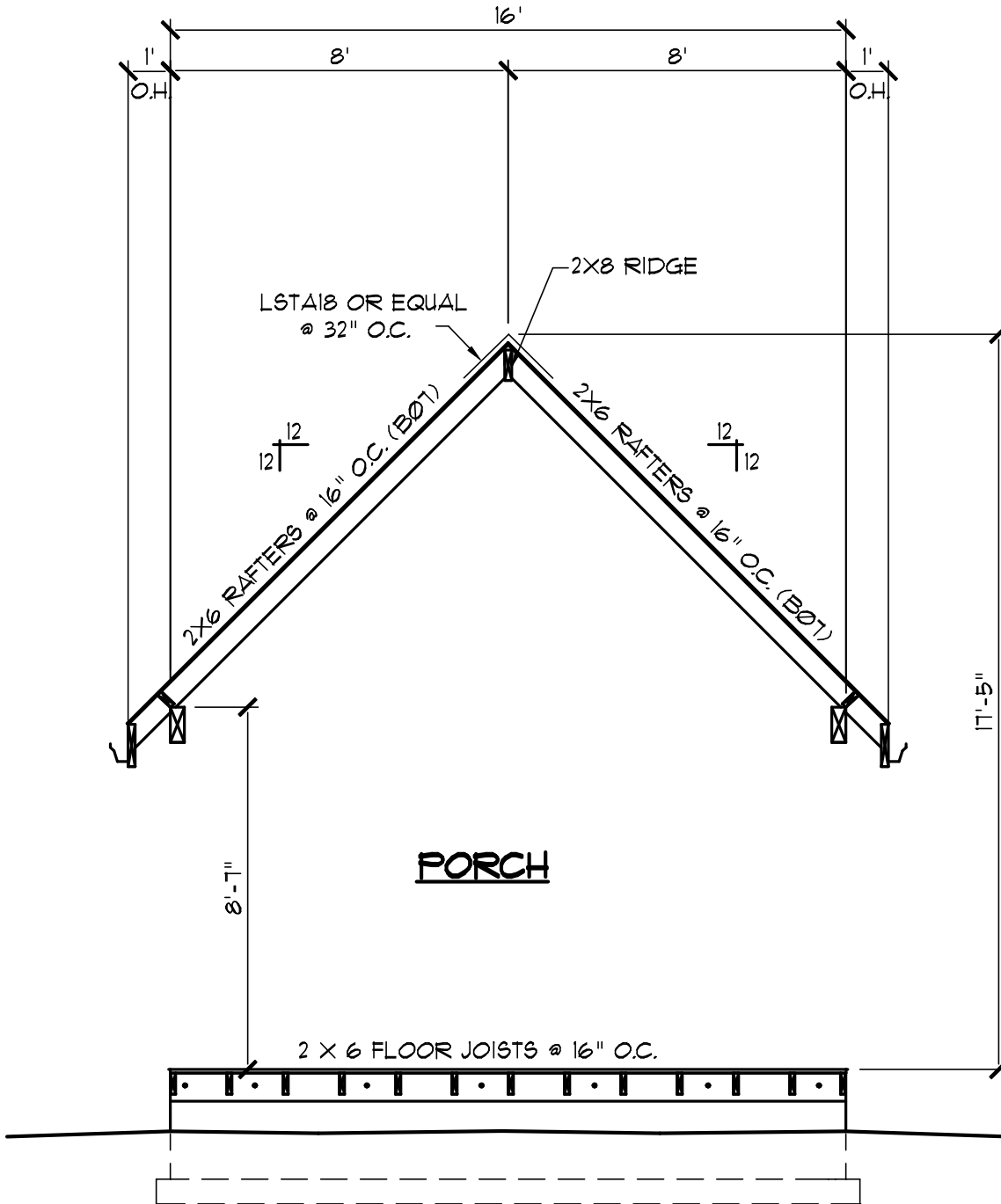
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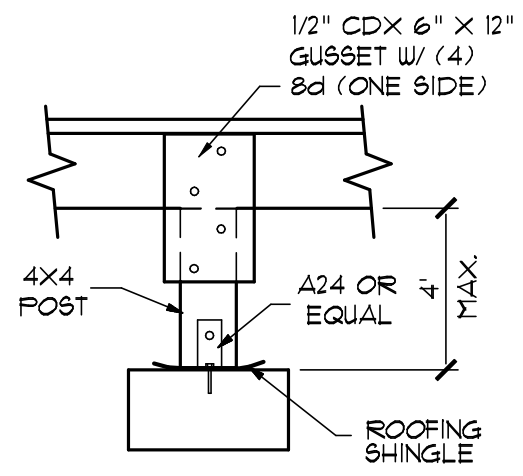
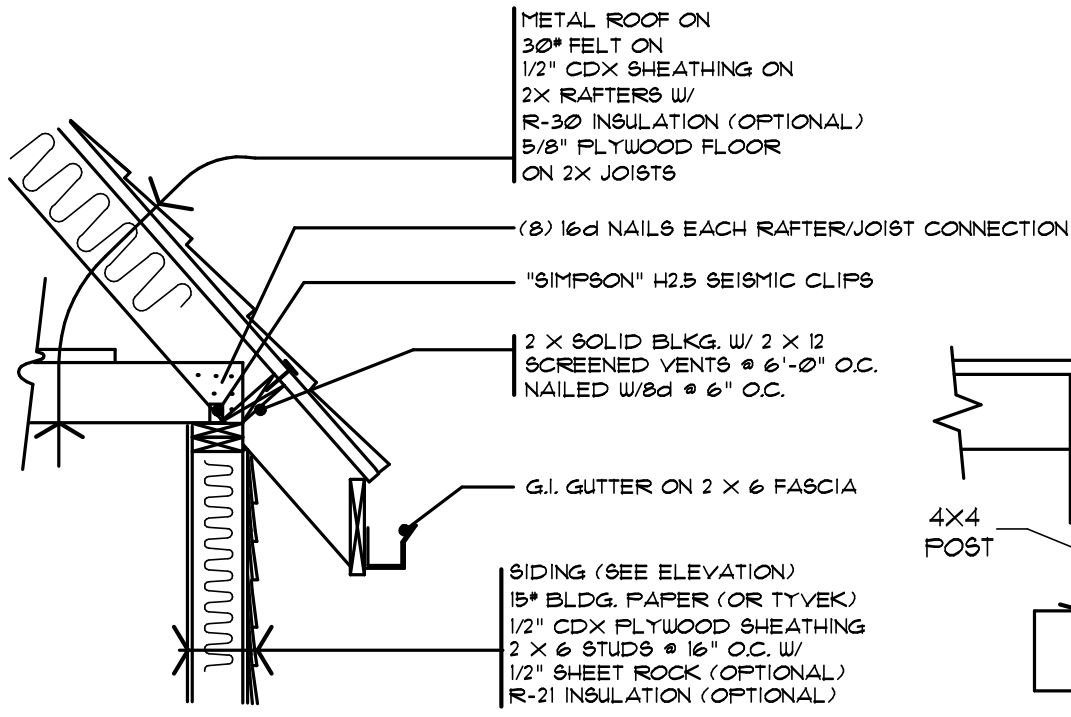


SECTION C

1/4" = 1'-0"

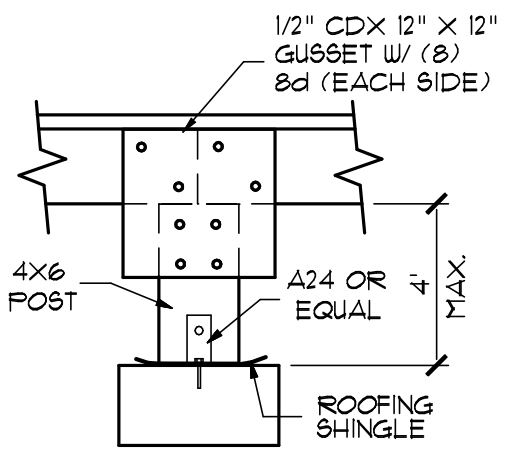
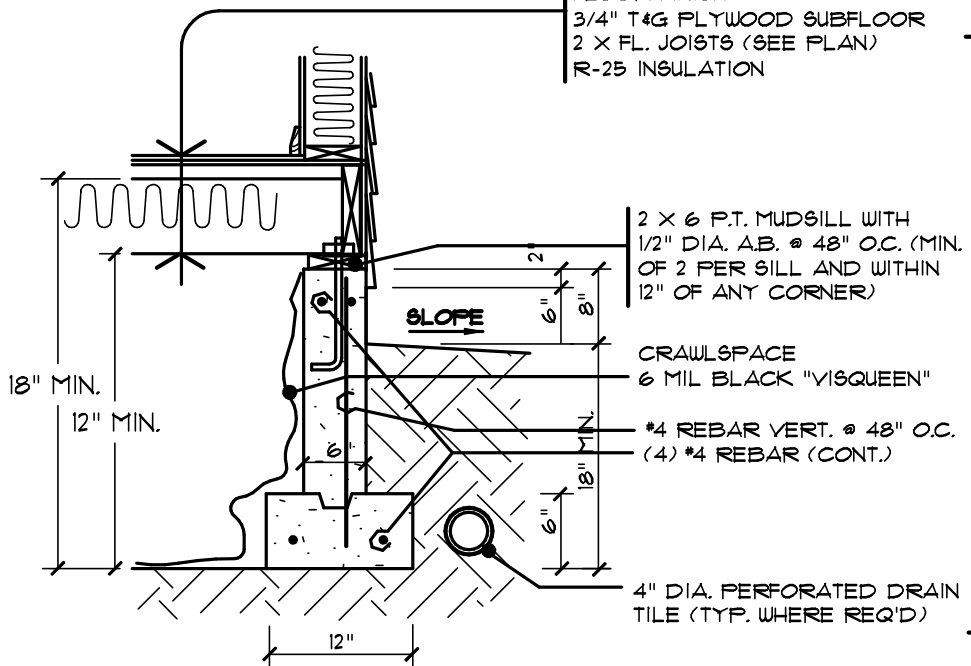
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POST GUSSET
 (FLOOR BEAM) NOT TO SCALE

FLOOR FINISH
 3/4" T&G PLYWOOD SUBFLOOR
 2 X FL. JOISTS (SEE PLAN)
 R-25 INSULATION



SPLICE DETAIL
 (FLOOR BEAM) NOT TO SCALE

TYPICAL WALL SECTION

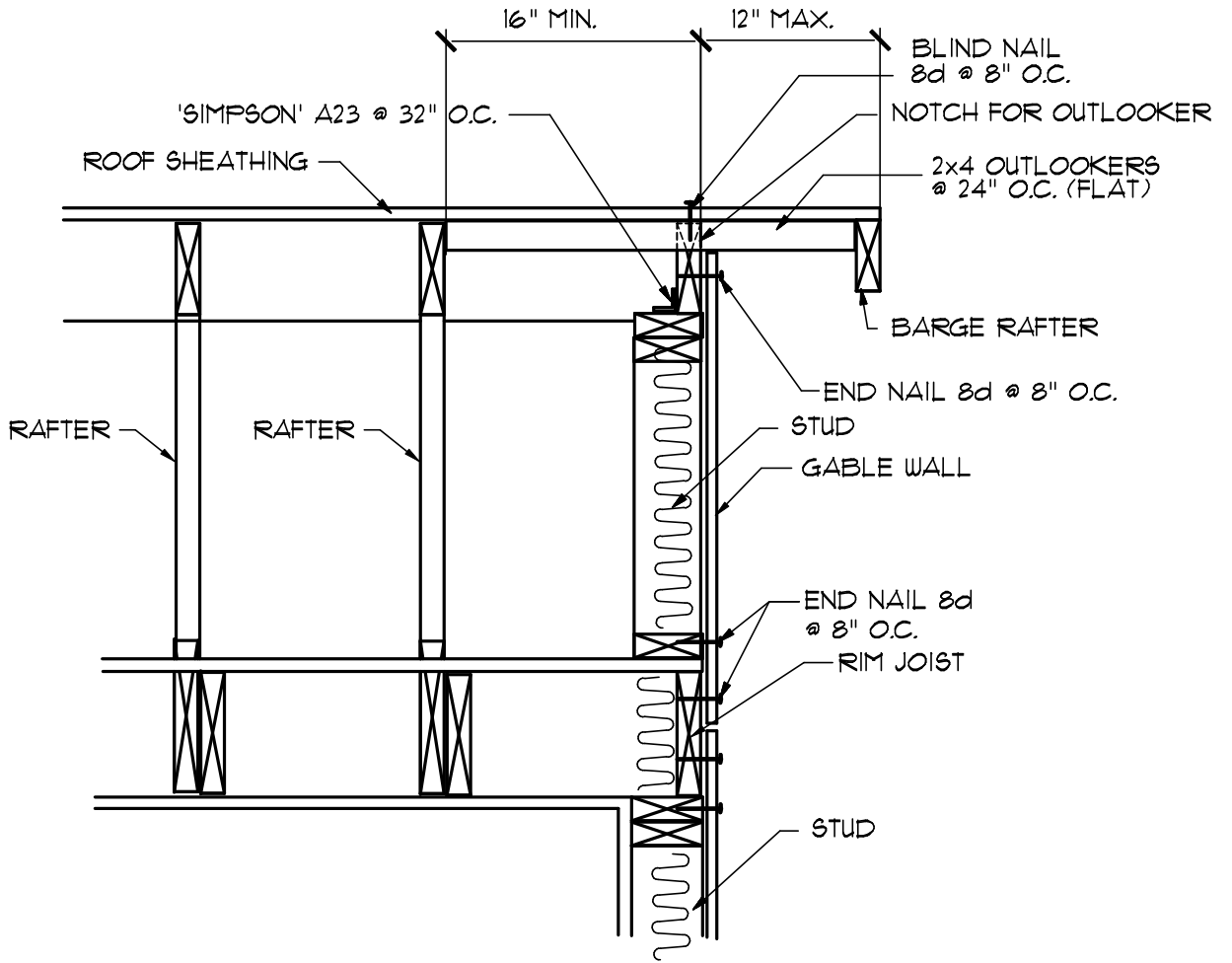
3/4" = 1'-0"

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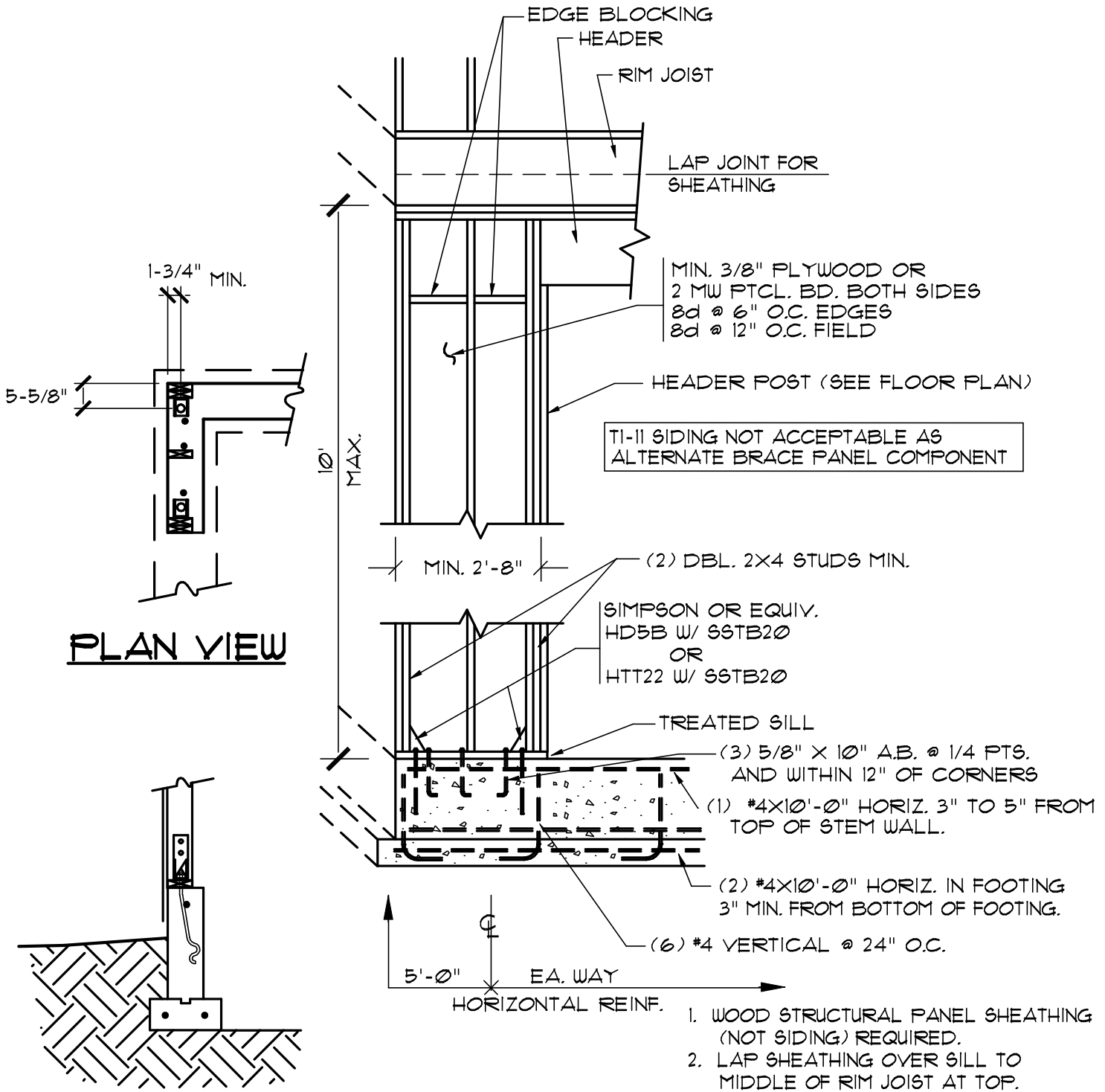
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GABLE END DETAIL E
 AT 6'-0" O.C.

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PLAN VIEW

SECTION

TI-II SIDING NOT ACCEPTABLE AS ALTERNATE BRACE PANEL COMPONENT

1. WOOD STRUCTURAL PANEL SHEATHING (NOT SIDING) REQUIRED.
2. LAP SHEATHING OVER SILL TO MIDDLE OF RIM JOIST AT TOP.
3. ALL HORIZONTAL JOISTS TO BE BLOCKED W/ FLAT 2X STOCK.
4. DOUBLE FOUR REQUIRES #4 VERTICALS @ 24" O.C. ENGAGING FOOTING FOR 10' (CENTERED ON PANEL.)
5. CONTINUOUS FOOTING REQUIRED FOR ENTIRE LENGTH OF BRACED WALL LINE.

**ABW ALTERNATE BRACE WALL
FIRST STORY OF TWO STORY**

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GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE (2009 EDITION), ANY APPLICABLE STATE CODES OR AMENDMENTS, AND ALL COUNTY OR LOCAL CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE TO CHECK THE PLANS AND IS TO NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS PRIOR TO THE START OF CONSTRUCTION.
3. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
4. DESIGN LOADS:

ROOF	EQ. OR LESS 50 PSF LL
(LIVE) FLOOR	40 PSF
STAIRS	100 PSF
DECKS	60 PSF

(IF YOUR LOCAL AREA REQUIRES DIFFERENT DESIGN LOADS CONSULT WITH A LOCAL STRUCTURAL ENGINEER TO DETERMINE THE APPROPRIATE REVISIONS.)
5. INSULATION: PATH 1

ROOF (VAULTED)	R-38
ROOF (FLAT)	R-38
WALLS (EXTERIOR)	R-21
FLOOR (OVER UNHEATED SPACE)	R-25
6. THE ABOVE VALUES ARE A MINIMUM AND MAY BE INCREASED IF DESIRED. VERIFY WITH CONTRACTOR.
7. ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DENSITY RATING OF LESS THAN 450.
8. PROVIDE INSULATION BAFFLES AT EAVE VENTS BETWEEN RAFTERS.
9. ROOF VENTS TO TOTAL MORE THAN 1/300 OF THE ATTIC AREA BEING VENTILATED.

MISCELLANEOUS NOTES

1. EACH BEDROOM TO HAVE A MINIMUM WINDOW OPENING OF 5.7 SQ. FT. WITH A MINIMUM WIDTH OF 20 IN., MINIMUM HEIGHT OF 22 IN. AND WITH A SILL LESS THAN 44 IN. ABOVE FIN. FLR.
2. ALL WINDOWS WITHIN 18 IN. OF THE FLOOR, AND WITHIN 24 IN. OF ANY DOOR ARE TO HAVE TEMPERED GLAZING.
3. SKYLITES ARE TO BE GLAZED WITH TEMPERED GLASS ON OUTSIDE AND LAMINATED GLASS ON INSIDE (UNLESS PLEXIGLAS). GLASS TO HAVE MAXIMUM CLEAR SPAN OF 25 IN., AND FRAME IS TO BE ATTACHED TO A 2X CURB WITH A MINIMUM OF 4 IN. ABOVE ROOF PLANE.
4. ALL TUB AND SHOWER ENCLOSURES ARE TO BE GLAZED WITH SAFETY GLASS.
5. ALL EXTERIOR WINDOWS ARE TO BE DOUBLE GLAZED LOW E AND ALL EXTERIOR DOORS ARE TO BE SOLID CORE WITH WEATHERSTRIPPING. PROVIDE 1/2 IN. DEADBOLT LOCKS ON ALL EXTERIOR DOORS, AND LOCKING DEVICES ON ALL DOORS AND WINDOWS WITHIN 10 FT. (VERTICAL) OF GRADE. PROVIDE PEEP-HOLE 54 - 66 IN. ABOVE FIN. FLOOR ON EXTERIOR ENTRY DOORS.
6. CONNECT ALL SMOKE DETECTORS (SEE PLAN FOR LOCATION) TO HOUSE ELECTRICAL SYSTEM AND INTER-CONNECT EACH ONE, SO THAT, WHEN ANY ONE IS TRIPPED, THEY WILL ALL SOUND. RETROFIT ALL BEDROOMS AND CORRIDORS THAT GIVE ACCESS TO BEDROOMS TO THE SMOKE ALARM SYSTEM.
7. PROVIDE COMBUSTION AIR VENTS (W/ SCREEN AND BACK DAMPER) FOR FIREPLACES, WOOD STOVES AND ANY APPLIANCES WITH AN OPEN FLAME.
8. BATHROOMS AND UTILITY ROOMS ARE TO BE VENTED TO THE OUTSIDE WITH A FAN CAPABLE OF PRODUCING A MINIMUM OF 4 AIR EXCHANGES PER HOUR. RANGE HOODS ARE ALSO TO BE VENTED TO THE OUTSIDE.
9. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE G.F.I. OR G.F.I.C. PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
10. TOP OF GUARDRAILS SHALL NOT BE LESS THAN 36" IN HEIGHT. PICKETS SHALL BE SPACED SO THAT A 4" ϕ SPHERE CANNOT PASS BETWEEN.

NOTE:
ALL WOOD MATERIALS
USED FOR DECKING ARE
PRESSURE TREATED

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FRAMING NOTES

- ALL EXTERIOR WALL OPENINGS & BEARING WALL OPENINGS TO HAVE 4 X 8 HEADERS UNLESS OTHERWISE INDICATED.
- JOISTS THAT ARE ATTACHED TO FLUSH BEAMS ARE TO BE HUNG WITH "SIMPSON" U-210 OR EQUIV.
- PROVIDE DOUBLE JSTS. UNDER ALL WALLS ABOVE RUNNING PARALLEL TO JOISTS.
- PROVIDE FIREBLOCKING, DRAFTSTOPS & FIRESTOPS AS PER THE U.B.C. SEC. 2516F.
- LUMBER SPECIES:

A. POSTS, BEAMS, HEADERS JOISTS AND RAFTERS	NO. 2 DOUGLAS FIR
B. SILLS, PLATES, BLOCKING BRIDGING ETC.	NO. 3 DOUGLAS FIR
C. STUDS	STUD GRADE D.F.
D. POST & BEAM DECKING	UTILITY GRADE D.F.
E. PLYWOOD SHEATHING	1/2" CDX PLY, 32/16
F. GLU-LAM BEAMS	Fb-2400, DRY ADH.
- NAILING SCHEDULE:

JOIST TO SILL OR GIRDER	3-8d	TOE NAIL
BRIDGING TO JOIST	2-8d	TOE NAIL
2" SUBFLOOR TO GIRDER	2-16d	BLIND & FACE
SOLE PL. TO JOIST	16d @ 16"	FACE NAIL
TOP PL. TO STUDS	2-16d	END NAIL
STUD TO SOLE PL.	4-8d	TOE NAIL OR
	2-16d	END NAIL
DOUBLE STUDS	16d @ 16"	FACE NAIL
DOUBLE TOP PL.	16d @ 16"	FACE NAIL
CONTINUOUS HEADER (2 PC.)	16d @ 16"	EDGE NAIL
CLG. JST. TO PL.	3-8d	TOE NAIL
CLG. JST. LAP OVER PL.	3-16d	FACE NAIL
CLG. JST. TO RAFTER	3-16d	FACE NAIL
RAFTER TO TOP PL.	3-8d	TOE NAIL
BUILT-UP CORNER STUDS	16d @ 24"	FACE NAIL
PLYWOOD SUBFLOOR	8d @ 6"	EDGE NAIL
	8d @ 10"	INTERIOR
PLY WALL & ROOF SHEATHING	8d @ 6"	EDGE NAIL
	8d @ 12"	INTERIOR
TOP PL. AT INTERSECTIONS	2-16d	FACE NAIL
MULTIPLE JOISTS (UP TO 3)	16d @ 15"	STAGGER NAIL
MULTIPLE JOISTS (OVER 3)	1/2" DIA. BOLTS W/WASHERS	
	E.A. SIDE @ 24" O.C.	
1 X 6 SPACED SHEATHING	2-8d	FACE NAIL
- MANUFACTURED TRUSS JOISTS MAY BE SUBSTITUTED FOR 2 X JOISTS WHERE APPLICABLE.

FOUNDATION NOTES

- FOOTINGS ARE TO BEAR ON UNDISTURBED LEVEL SOIL DEVOID OF ANY ORGANIC MATERIAL AND STEPPED AS REQUIRED TO MAINTAIN THE REQUIRED DEPTH BELOW THE FINAL GRADE.
- SOIL BEARING PRESSURE ASSUMED TO BE 1500 PSF.
- ANY FILL UNDER GRADE SUPPORTED SLABS TO BE A MINIMUM OF 4" GRANULAR MATERIAL COMPACTED TO 95%.
- CONCRETE:

- BASEMENT WALLS & FOUNDATIONS NOT EXPOSED TO WEATHER :	2,500 PSI
- BASEMENT & INTERIOR SLABS ON GRADE :	2,500 PSI
- BASEMENT WALLS & FOUNDATIONS EXPOSED TO THE WEATHER :	3,000 PSI
- PORCHES, STEPS & CARPORT SLABS EXPOSED TO WEATHER :	3,500 PSI

(AS PER U.B.C. APPENDIX CHPT. 26, TABLE A-26-A)
- CONCRETE SLABS TO HAVE CONTROL JOINTS AT 25 FT. (MAXIMUM) INTERVALS EA. WAY.
- CONCRETE SIDEWALKS TO HAVE 3/4 IN. TOOLED JOINTS AT 5 FT. (MINIMUM) O.C.
- REINFORCING STEEL TO BE A-615 GRADE 40. WELDED WIRE MESH TO BE A-185.
- EXCAVATE SITE TO PROVIDE A MINIMUM OF 18 IN. CLEARANCE UNDER ALL GIRDERS.
- COVER ENTIRE CRAWLSPACE WITH 6 MIL BLACK "VISQUEEN" AND EXTEND UP FDTN. WALLS TO P.T. MUDSILL.
- PROVIDE A MINIMUM OF 1 SQ. FT. OF VENTILATION AREA FOR EACH 150 SQ. FT. OF CRAWLSPACE AREA. VENTS ARE TO BE CLOSABLE WITH 1/8 IN. MESH CORROSION RESISTANT SCREEN. POST NOTICE RE: OPENING VENTS AT THE ELECTRICAL PANEL.
- ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED OR PROTECTED WITH 55* ROLL ROOFING.
- BEAM POCKETS IN CONCRETE TO HAVE 1/2 IN. AIRSPACE AT SIDES AND ENDS WITH A MINIMUM BEARING OF 3 IN.
- PROVIDE CRAWLSPACE DRAIN AS PER SEC. 2910 OF UBC.
- WATERPROOF BASEMENT WALLS BEFORE BACKFILLING PROVIDING A 4 IN. DIA. PERFORATED DRAIN TILE BELOW THE TOP OF THE FOOTING (SEE BUILDING SECTIONS).

WSP WOOD STRUCTURAL PANEL DEFINITION

A WOOD STRUCTURAL PANEL CONSTRUCTED AS PER CURRENT EDITION 'IRC (WSP)

STRUCTURAL PANEL SHEATHING MIN. TI-II, 3/8 PLYWOOD
ONE SIDE NAIL W/ 8d @ 6" O.C. ON THE EDGES AND
8d @ 12" O.C. IN THE FIELD.

PROVIDE PERIMETER MEMBERS AT OPENINGS. USE EXTERIOR GLUE PLYWOOD.
PROVIDE FRAMING MEMBERS OR BLOCKING AT EDGES OF ALL PLYWOOD SHEETS.
PROVIDE ANCHOR BOLTS AT EACH END OF EACH BRACE PANEL.
SEE TYPICAL WALL DETAIL.

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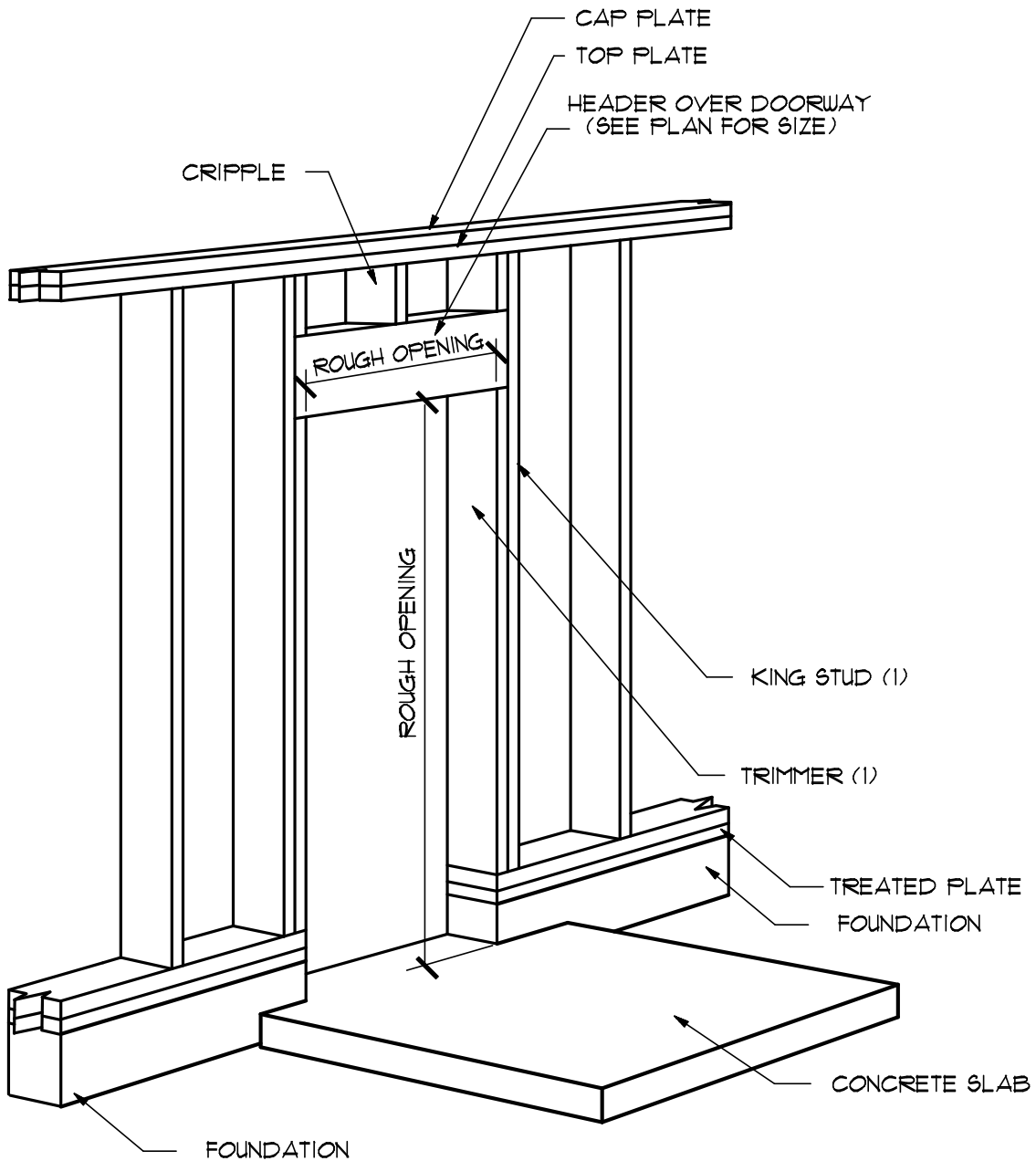
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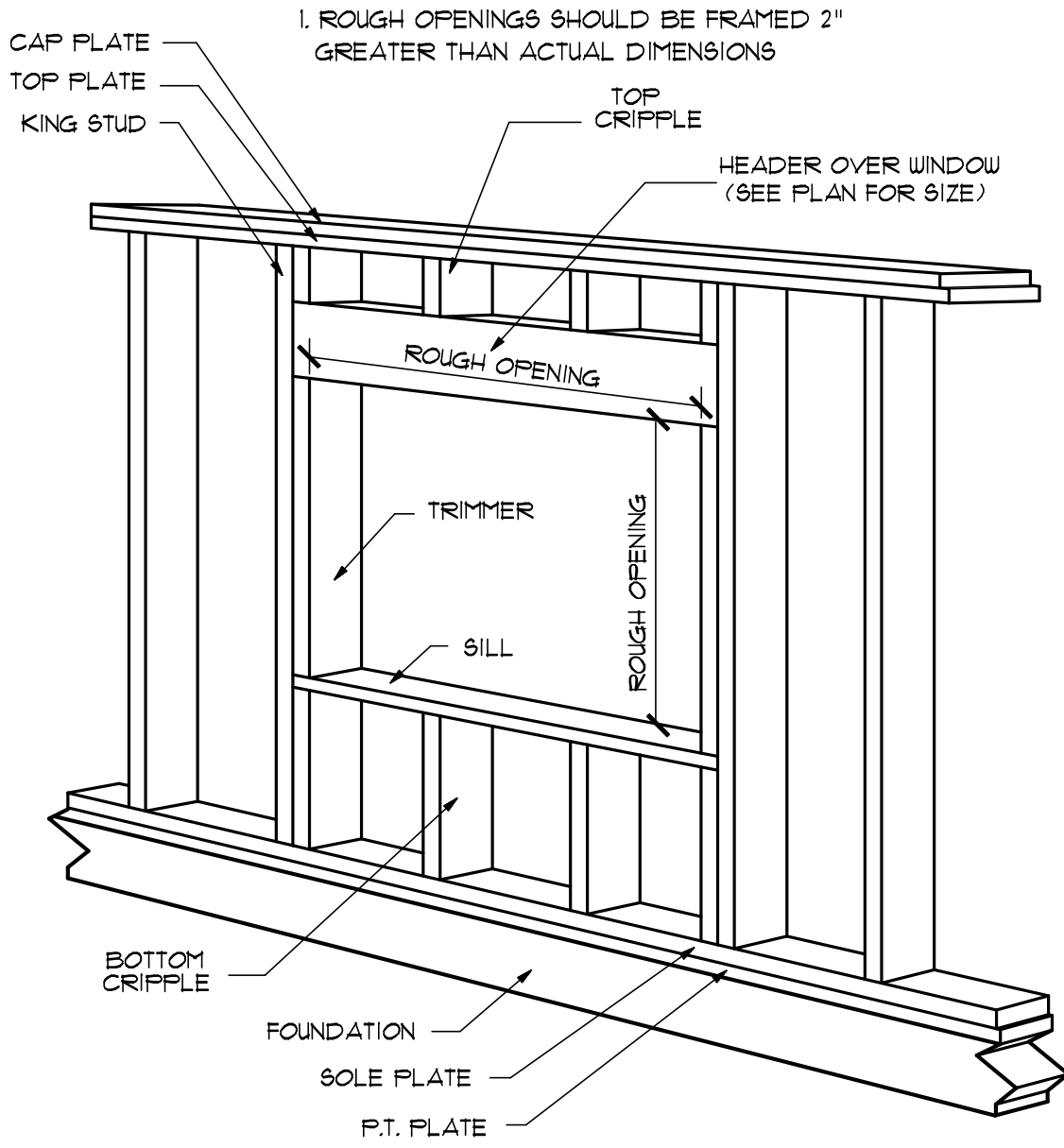
1. ROUGH OPENINGS SHOULD BE FRAMED 1" GREATER THAN THE ACTUAL HEIGHT OF THE DOOR AND 2" MORE THAN THE WIDTH OF THE DOOR.

DOOR FRAMING DETAIL

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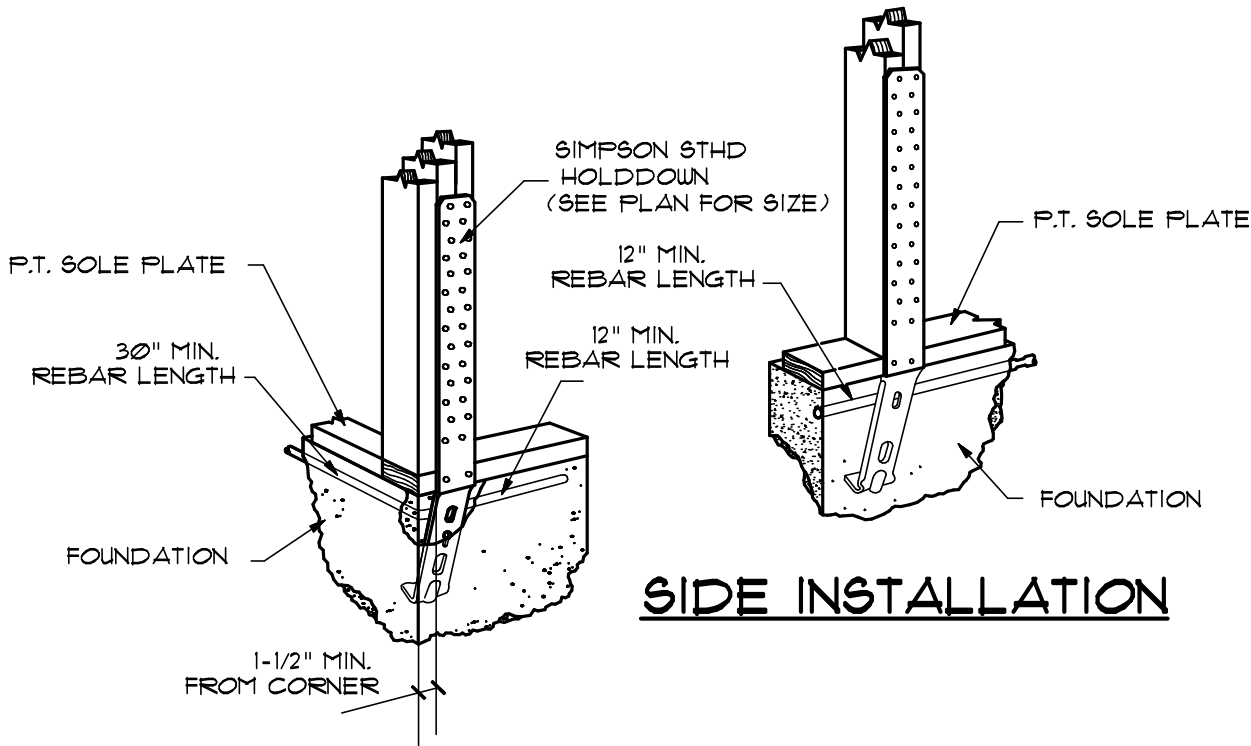


TYPICAL WINDOW FRAMING

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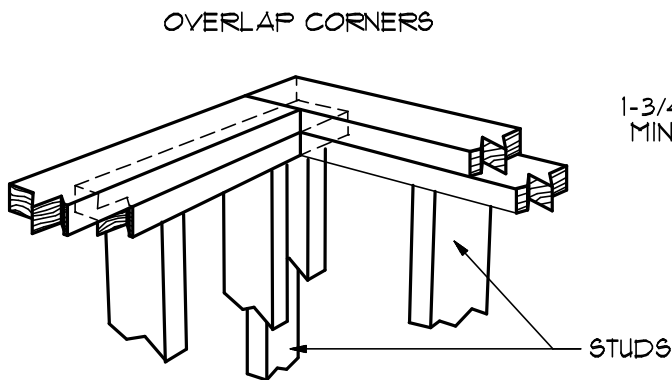


CORNER INSTALLATION

SIDE INSTALLATION

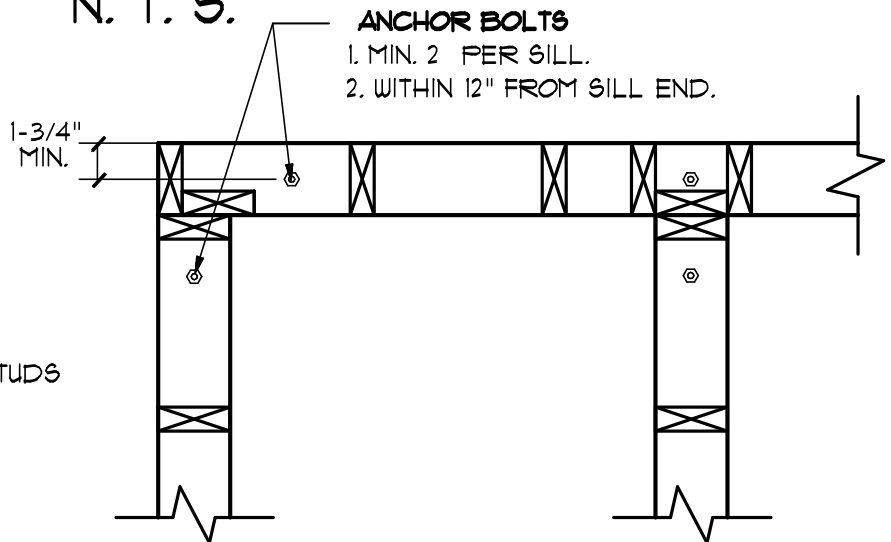
STHD DETAIL

N. T. S.



TOP PLATE VIEW

1. JOINTS SHALL FALL ON A BEARING STUD.
2. JOINTS SHALL BE OFFSET W/ A SPACING NO LESS THEN 24" O.C.



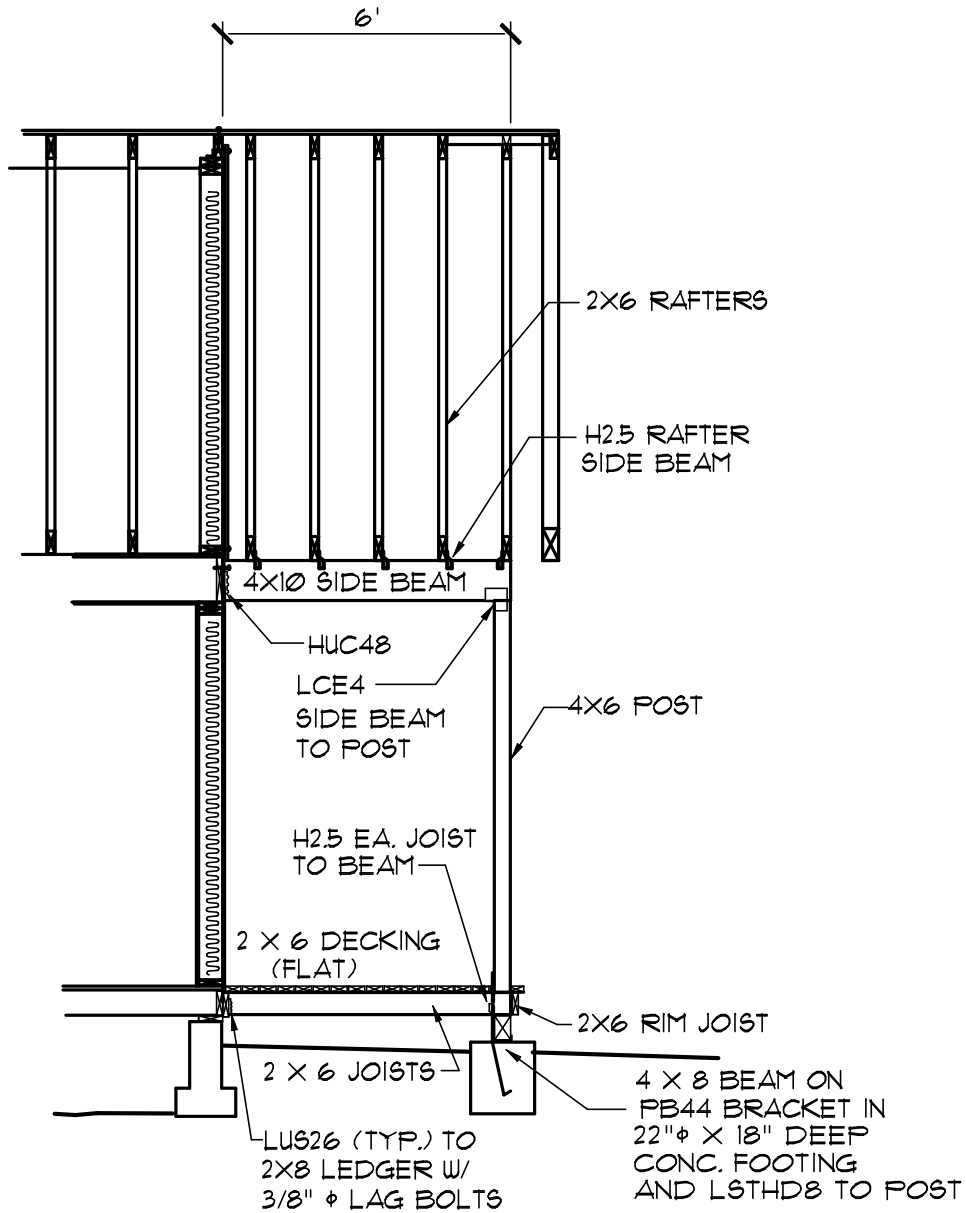
BOTTOM PLATE VIEW

TYPICAL CORNER DETAIL

NOT TO SCALE

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PORCH DETAIL D

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PLAN NUMBER **C0384A**
384 SF ONE BEDROOM
CABIN WITH LOFT

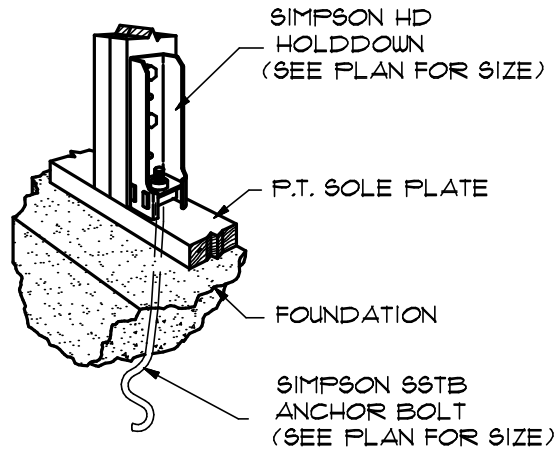
SHEET
17 of 18

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Custom Home Design

CAD NorthWest

22685 SW Conifer Dr.
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HD DETAIL

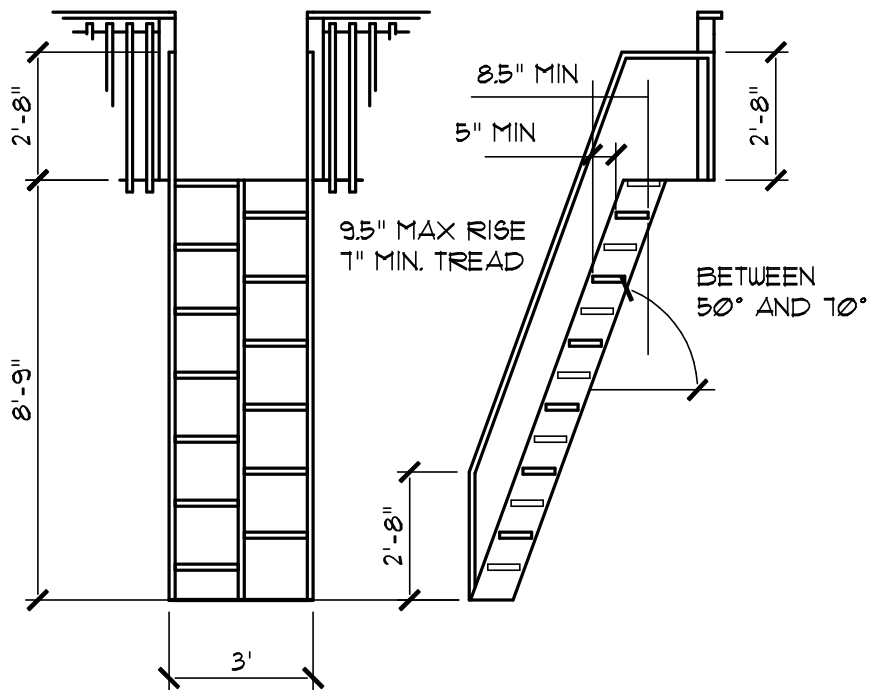
N. T. S.

ELECTRICAL LEGEND

S	SWITCH, SINGLE POLE
S ₃	SWITCH, 3-WAY
	DUPLEX OUTLET
	220 VOLT OUTLET
	STANDARD INCANDESCENT
	RECESSED INCANDESCENT
	SERVICE PANEL
	SMOKE DETECTOR
	EXHAUST FAN VENTED TO EXTERIOR
	CADET HEATER

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LADDER DETAIL

1/4" = 1'-0"

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C0384A Cabin Plan

Porch Beam

B04

Date: 2/02/21

<u>Selection</u>	4x 10 DF-L #2	Lu = 0.0 Ft
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<u>Conditions</u>	NDS 2015		
	Min Bearing Area	R1= 3.1 in ² R2= 3.1 in ²	(1.5) DL Defl= 0.03 in

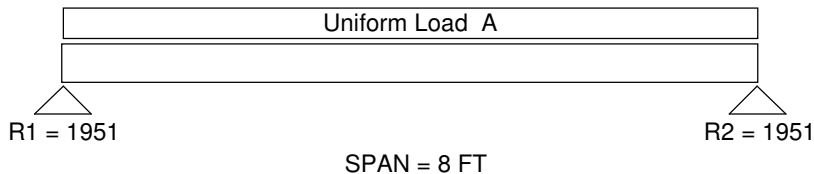
<u>Data</u>	Beam Span	8.0 ft	Reaction 1 LL	1600 #	Reaction 2 LL	1600 #
	Beam Wt per ft	7.87 #	Reaction 1 TL	1951 #	Reaction 2 TL	1951 #
	Bm Wt Included	63 #	Maximum V	1951 #		
	Max Moment	3903 #'	Max V (Reduced)	1575 #		
	TL Max Defl	L / 240	TL Actual Defl	L / 725		
	LL Max Defl	L / 360	LL Actual Defl	L / 963		

<u>Attributes</u>	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	49.91	32.38	0.13	0.10
Critical	43.37	13.13	0.40	0.27
Status	OK	OK	OK	OK
Ratio	87%	41%	33%	37%

<u>Values</u>		Fb (psi)	Fv (psi)	E (psi x mil)	Fc _⊥ (psi)
Reference Values	900	180	1.6	625	
Adjusted Values	1080	180	1.6	625	

<u>Adjustments</u>	CF Size Factor	1.200			
	Cd Duration	1.00	1.00		
	Cr Repetitive	1.00			
	Ch Shear Stress		N/A		
	Cm Wet Use	1.00	1.00	1.00	1.00
	CI Stability	1.0000	Rb = 0.00	Le = 0.00 Ft	

Loads Uniform LL: 400 Uniform TL: 480 = A



Uniform and partial uniform loads are lbs per lineal ft.

C0384A Cabin Plan

Deck Floor Joist

B05

Date: 2/02/21

Selection

2x 6 DF-L #2 @ 16 in oc

Lu = 0.0 Ft

Conditions

NDS 2015, Repetitive Use

Min Bearing Area R1= 0.4 in² R2= 0.4 in² (1.5) DL Defl= 0.02 in

Data

Beam Span	6.0 ft	Reaction 1 LL	240 #	Reaction 2 LL	240 #
Beam Wt per ft	0 #	Reaction 1 TL	280 #	Reaction 2 TL	280 #
Bm Wt Included	0 #	Maximum V	280 #		
Max Moment	420 #	Max V (Reduced)	237 #		
TL Max Defl	L / 240	TL Actual Defl	L / 823		
LL Max Defl	L / 360	LL Actual Defl	L / >1000		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	7.56	8.25	0.09	0.07
Critical	3.75	1.98	0.30	0.20
Status	OK	OK	OK	OK
Ratio	50%	24%	29%	35%

Values

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _⊥ (psi)
Reference Values	900	180	1.6	625
Adjusted Values	1346	180	1.6	625

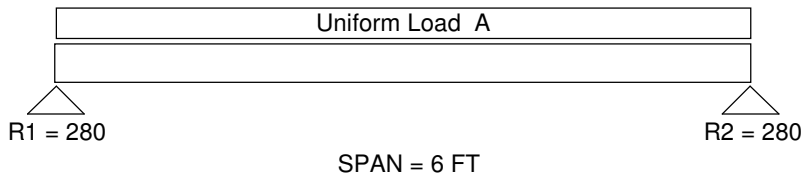
Adjustments

CF Size Factor	1.300			
Cd Duration	1.00	1.00		
Cr Repetitive	1.15			
Ch Shear Stress		N/A		
Cm Wet Use	1.00	1.00	1.00	1.00
CI Stability	1.0000	Rb = 0.00	Le = 0.00 Ft	

Loads

Uniform LL: 80

Uniform TL: 93 = A



Uniform and partial uniform loads are lbs per lineal ft.

Custom Home Design

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MATERIAL LIST

C0384A Garage Plan Standard W/ Framed Roof

This estimate is designed solely to provide the customer with a rough estimate of the amount of material used in the given project. The material estimate is based on normal and typical building and construction techniques. The actual amount of material used may vary from this estimate due to a number of factors. Consequently, no representation or warranty has been made that the amount of material used will not vary from the estimate.

	ITEM	CALC	SIZE	LENGTH	O.C.	QTY	
1	MAIN EXT STUDS (full length)		2X6	91.50	16"	66	EA
2	MAIN TREATED SILL		2X6			77.0	LF
3	MAIN EXT PLATES		2X6			237.0	LF
4	MAIN INT STUDS		2X4	91.5	16"	18	EA
5	MAIN INT PLATES		2X6			72.0	LF
6	GYP. WALL BOARD		1/2" GYP.			2186	SF
7	HEADER, (Ext Main Door)	N/A	HEADER, (4X8)	4'		1	EA
8	HEADER, (Main Window)	N/A	HEADER, (4X12)	4'		2	EA
9	HEADER, (Main Window)	N/A	HEADER, (4X8)	5'		1	EA
10	HEADER, (Main Window)	N/A	HEADER, (4X6)	4'		1	EA
11	HEADER, (Upper Window)	N/A	HEADER, (4X8)	5'		1	EA
12	FLOOR BEAM	B06	4X8			24	LF
13	FLOOR JOISTS	B03	2X6	7', 9'		18	EA
14	PORCH BEAM	B04	4X10 P.T.	6'		2	EA
15	DECK BEAM	B05	4X8 P.T.	8'		2	EA
16	DECK JOISTS	B07	2X6 P.T.	6'		12	EA
17	RAFTERS	B02	2X12	14'	16"	36	EA
18	EAVE BLOCKING		2X	14.5"	16"	34	EA
19	H2.5 RAFTER TIE				16"	46	EA
20	ROOF SHEATH (CDX)		1/2			832	SF
21	ROOF FELT		30# Felt			832	SF
22	ROOFING (See Plan)					832	SF
23	BARGE RAFTERS		2X6	14'		4	LF
24	FACIA		2X6			64	LF
25	OUTLOOKERS		2X4	28.0"		26	EA
26	A23 ANCHORS		A23			12	EA
27	EXT WALL SHEATH		1/2" CDX			768	SF
28	EXT WALL VAPOR		15# Felt			768	SF
29	EXT SIDING (See Plan)		Varies			768	SF
30	CONCRETE					5.41	CY
31	CEILING JOISTS	B01	2X6	7', 9'	16"	20	EA
32	UPPER FLOOR PLYWOOD		5/8"			132	SF
33	RIDGE BEAM	N/A	2X14			24'	LF
34	PORCH RAFTERS	B08	2X6	13'		10	EA
35	POSTS	N/A	4X6	9'		2	EA
36	ANCHOR BOLTS		1/2"		48"	20	EA
37	HOLD DOWNS		STHD14			2	EA
38	HOLD DOWNS		STHD8			1	EA
39	HANGERS		HUC28			2	EA
40	HANGERS		LU26			12	EA
41	HANGERS		LCE4			2	EA

EA = each
 SF = square feet
 LF = linear feet
 CY = cubic yards