

**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. If you find this free garage plan useful then please “like” or “share” our site on Facebook or Google+.

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**Cad Northwest
Custom Home Design**

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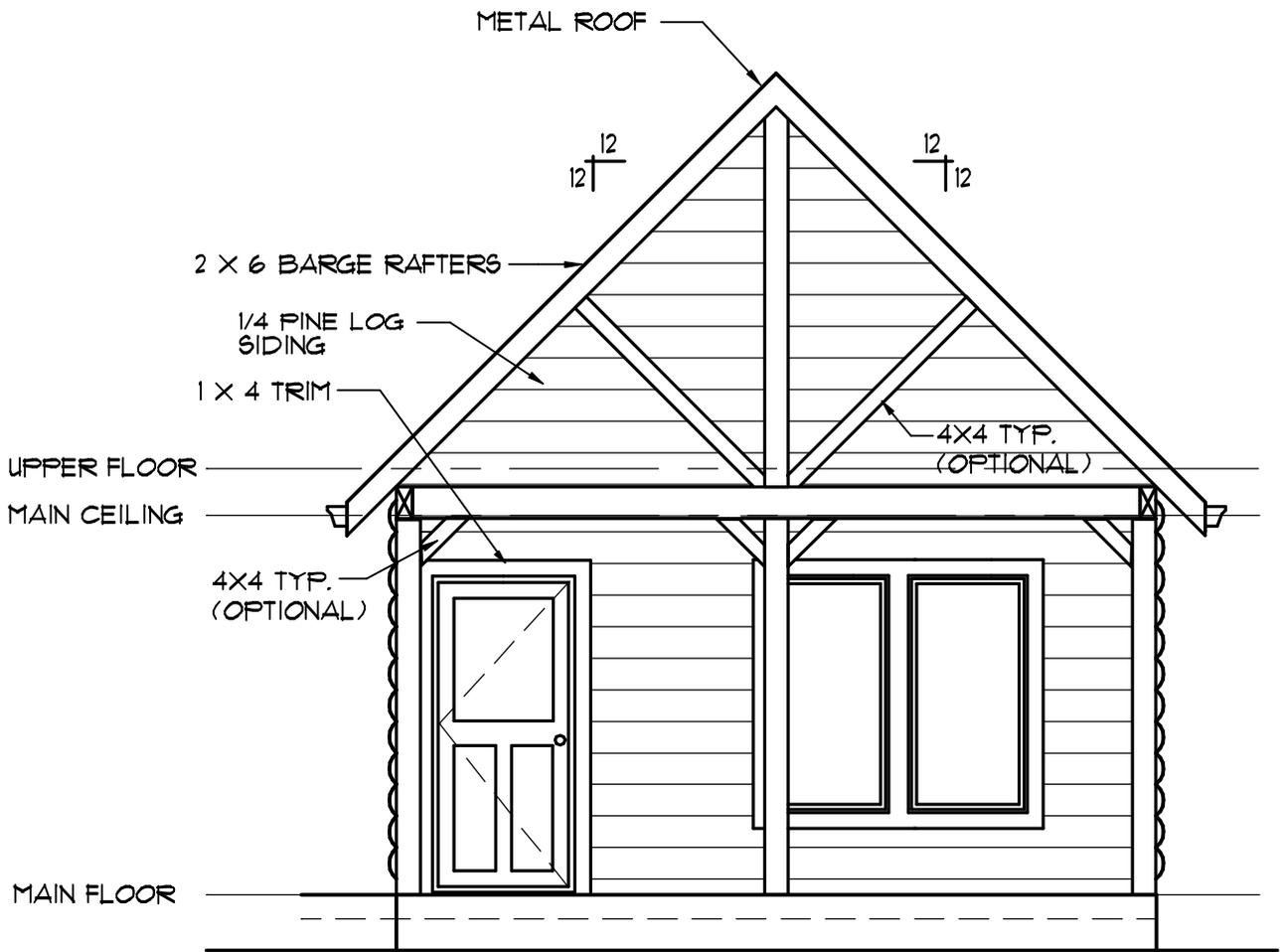
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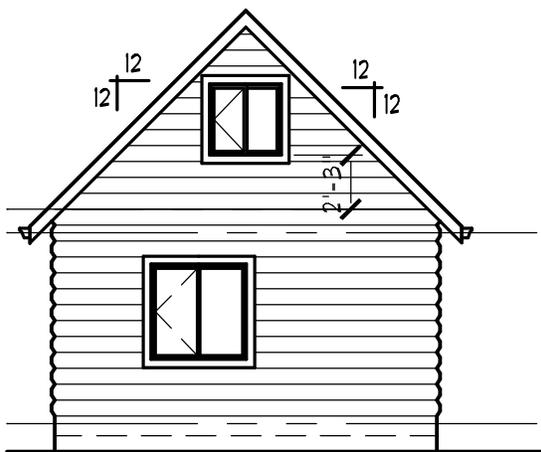
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FRONT ELEVATION

1/4" = 1'-0"

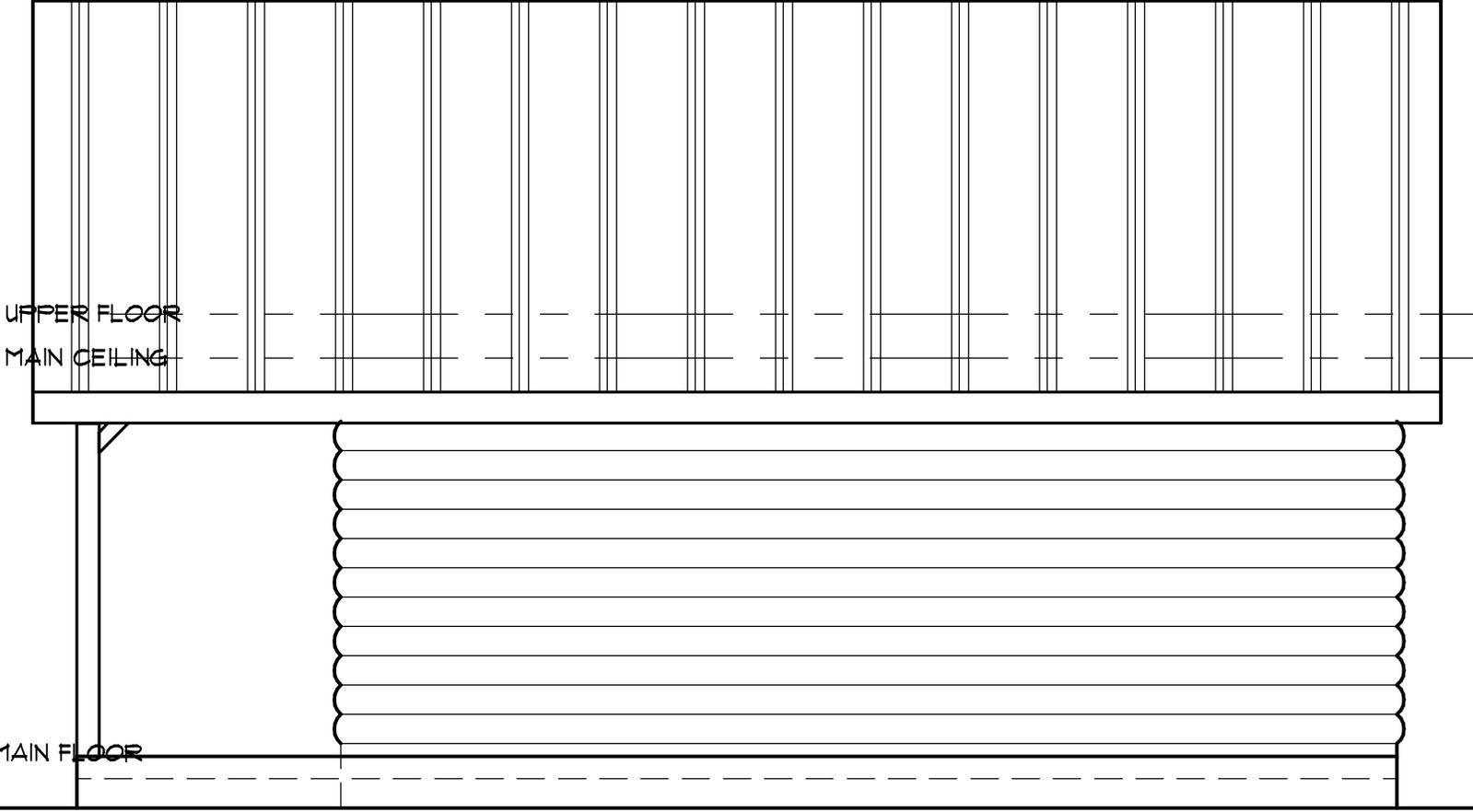


REAR ELEVATION

1/8" = 1'-0"

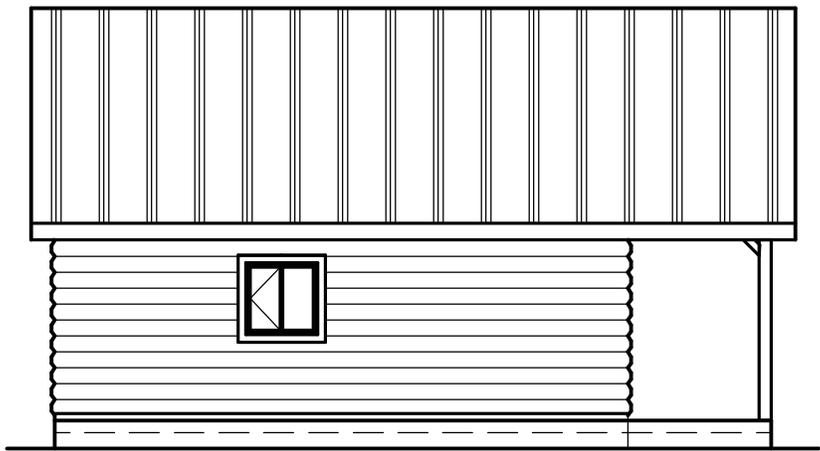
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RIGHT ELEVATION

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



LEFT ELEVATION

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

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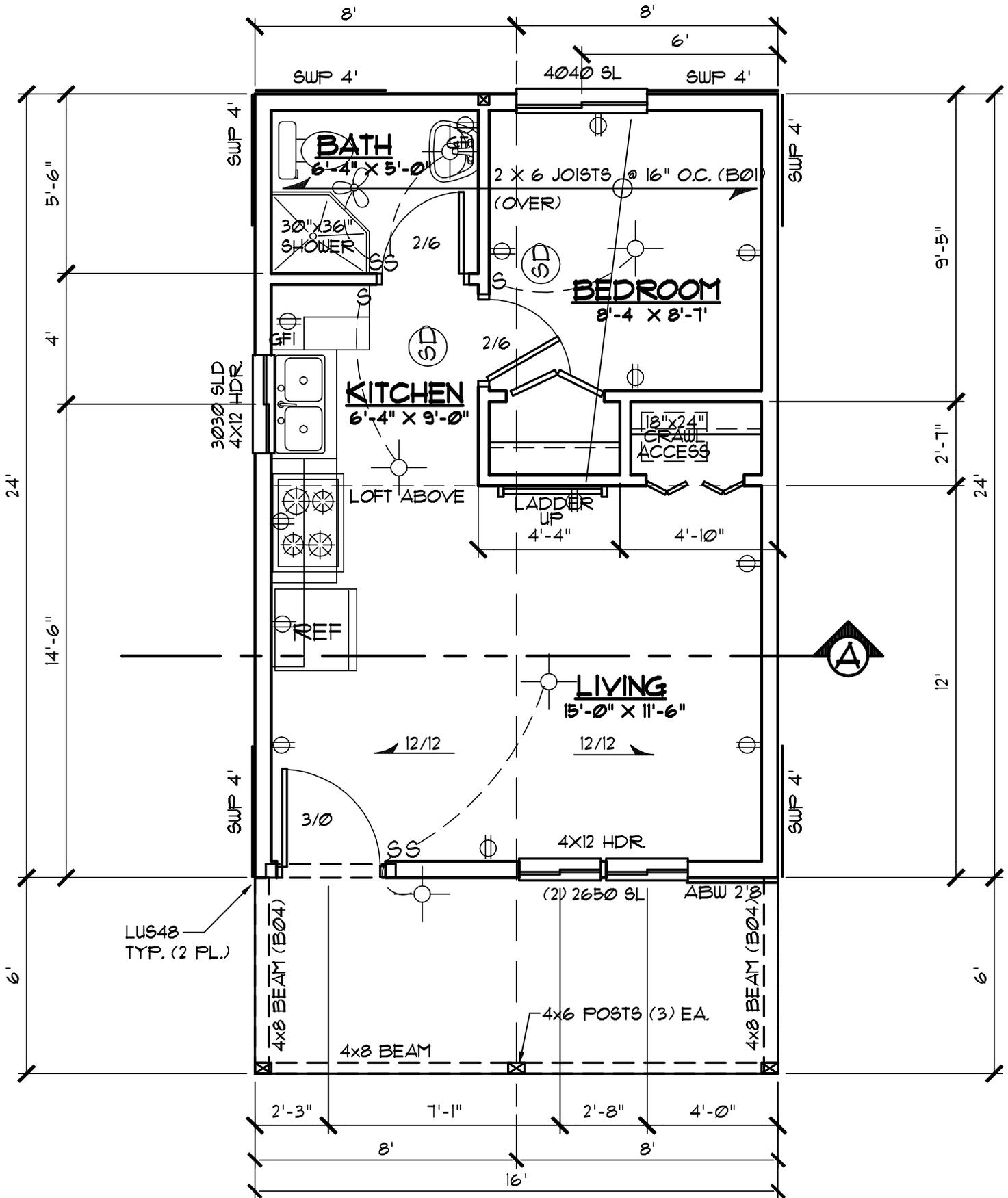
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PLAN NUMBER C0384A
384 SF ONE BEDROOM
CABIN WITH LOFT

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MAIN FLOOR PLAN

384 SF

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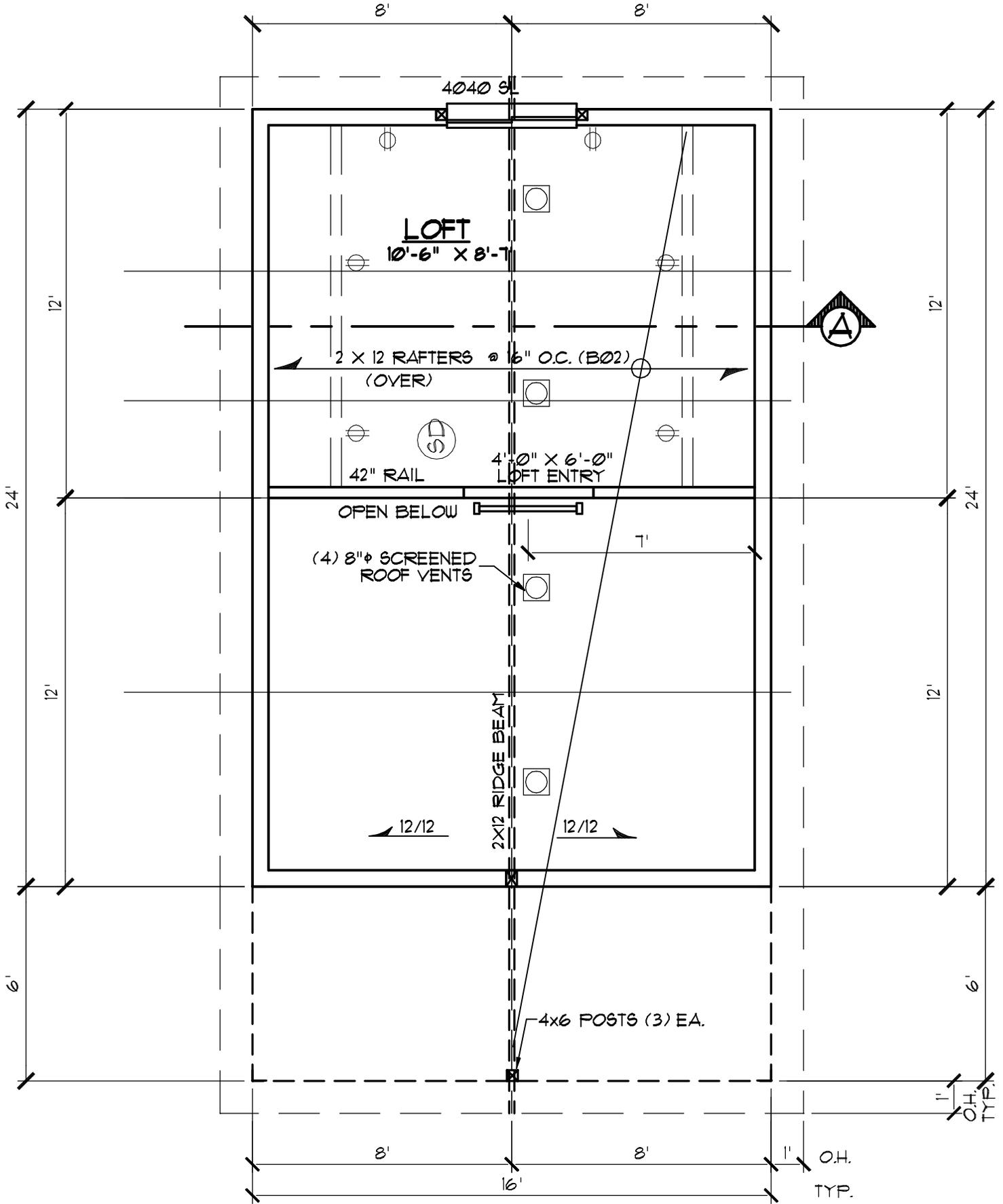
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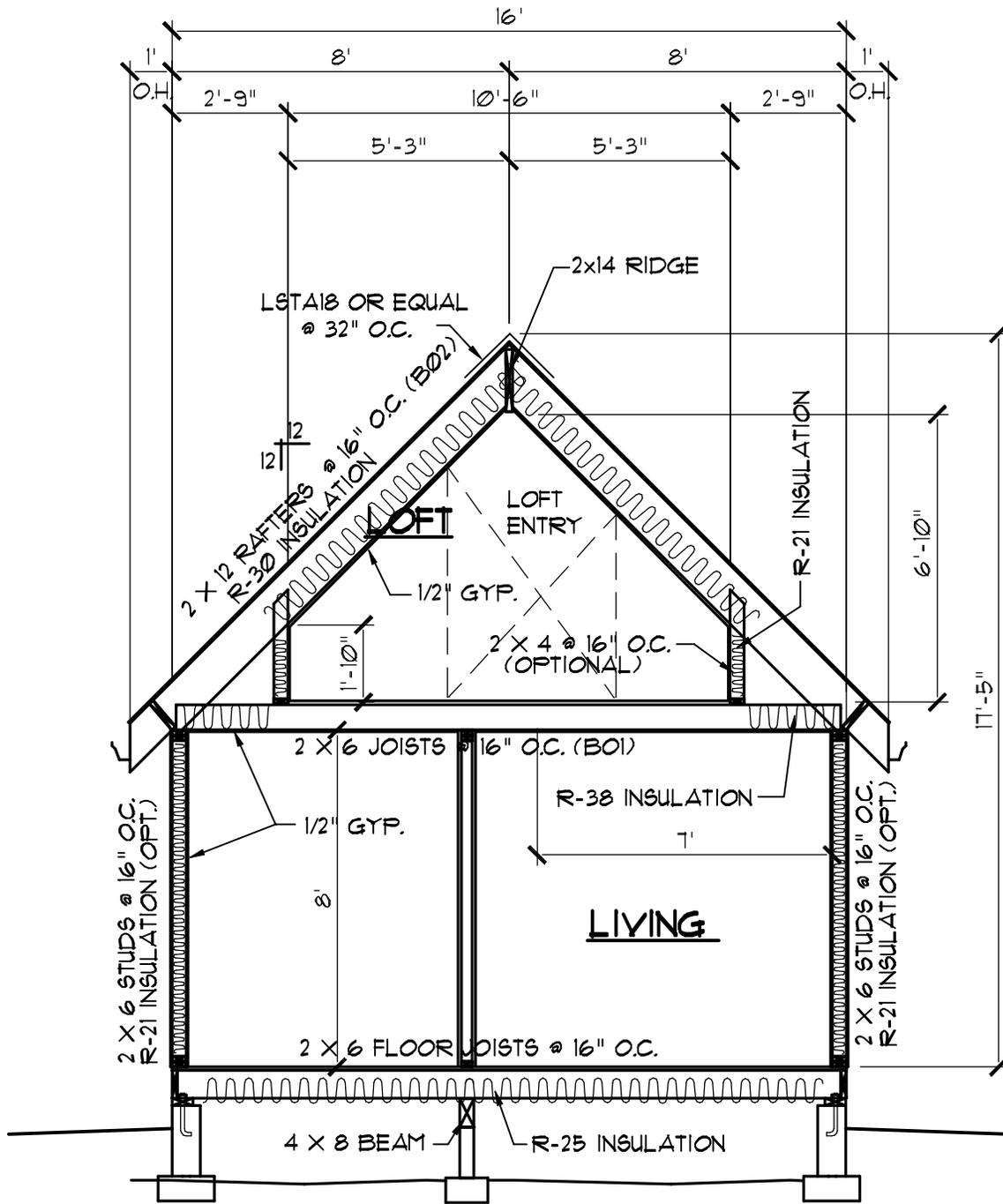


LOFT AND ROOF PLAN

1/4" = 1'-0"

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SECTION A

1/4" = 1'-0"

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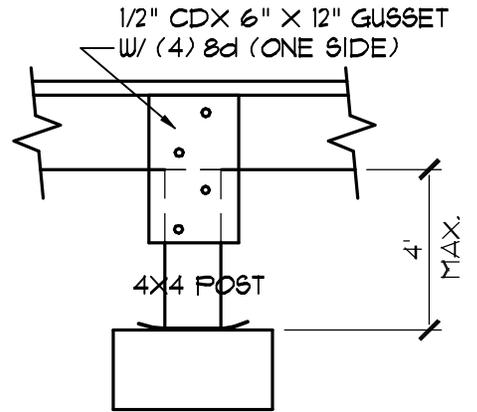
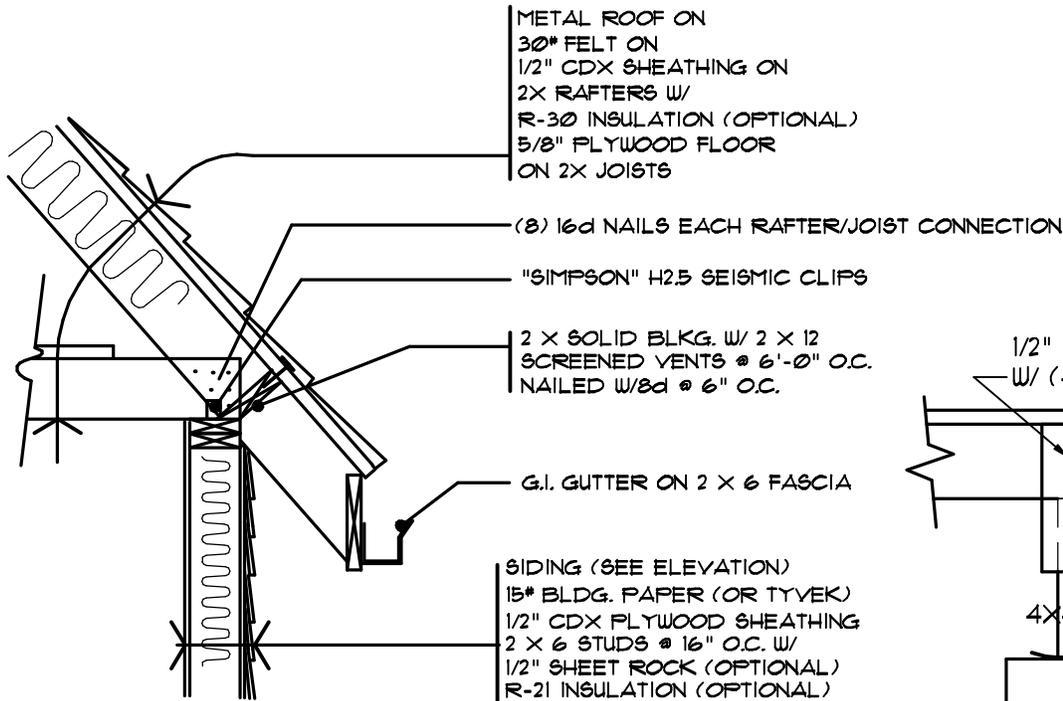
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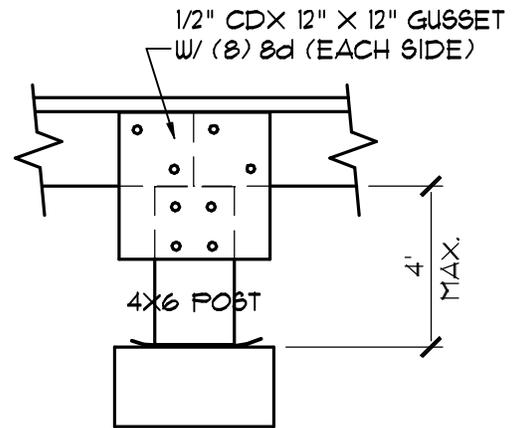
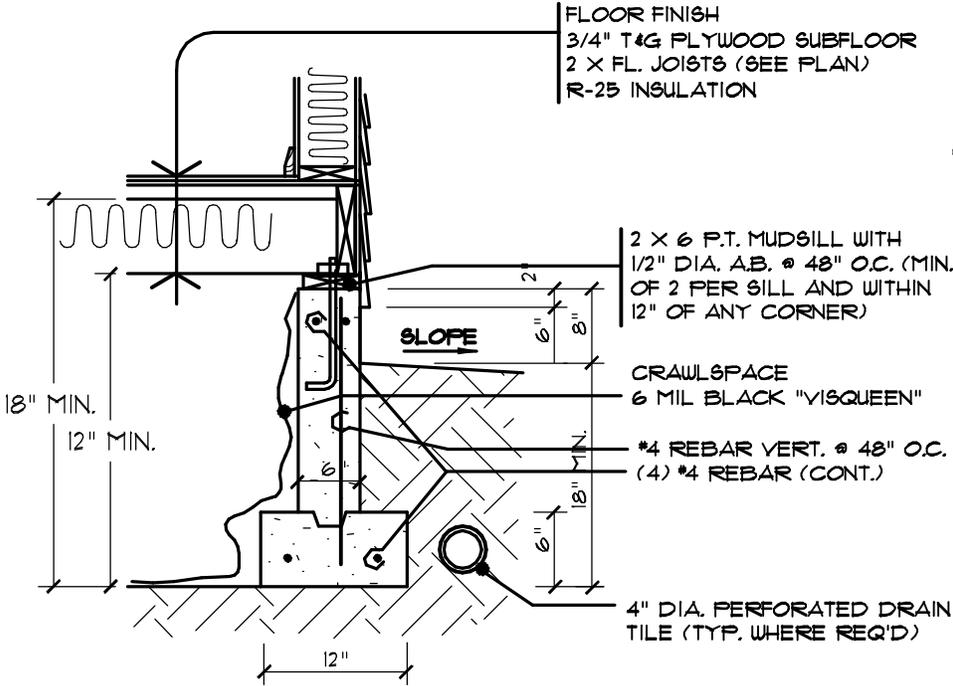
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POST GUSSET

(FLOOR BEAM) NOT TO SCALE



TYPICAL WALL SECTION SPLICE DETAIL

3/4" = 1'-0"

(FLOOR BEAM) NOT TO SCALE

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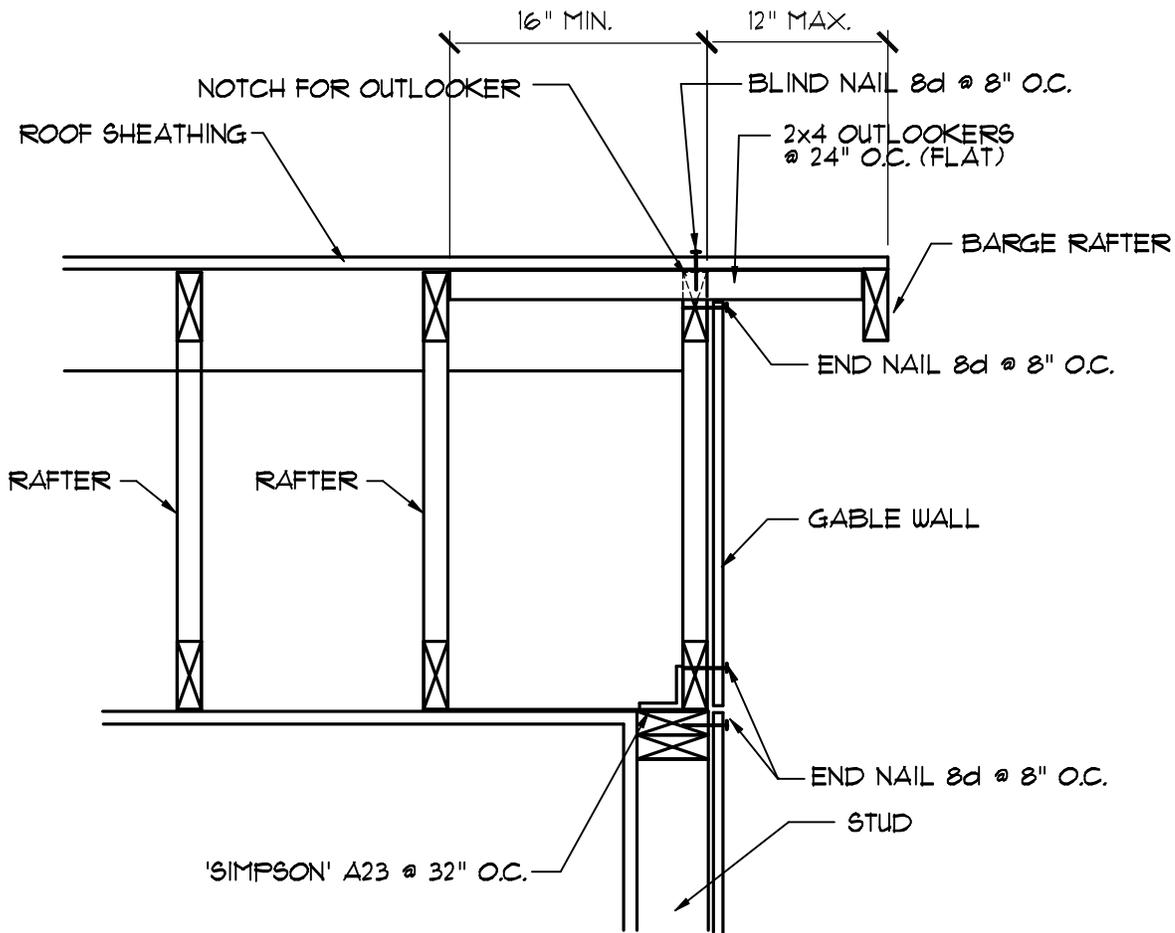
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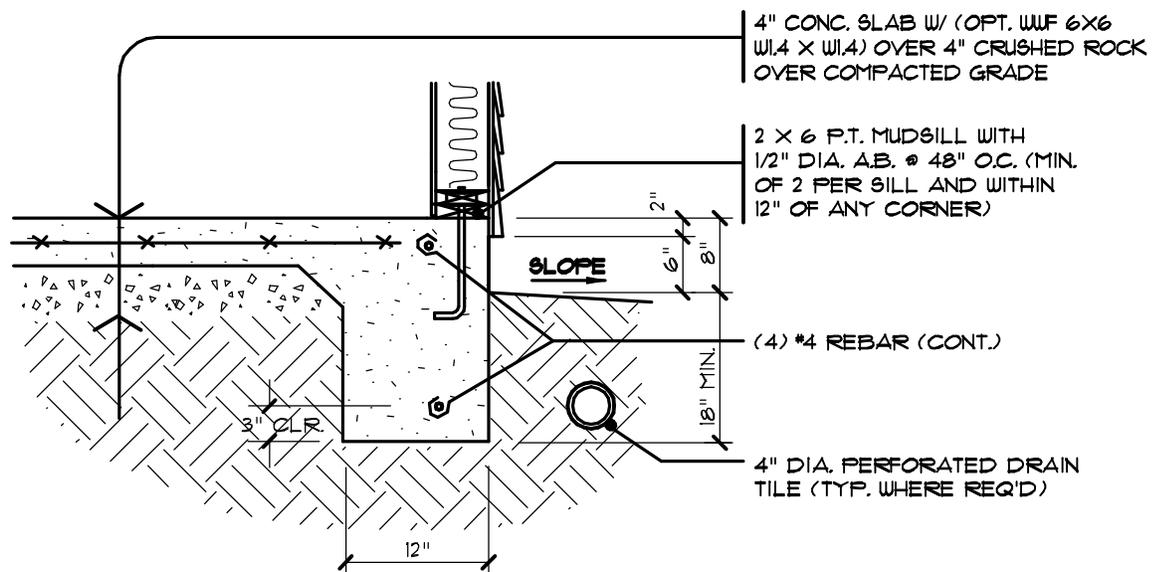


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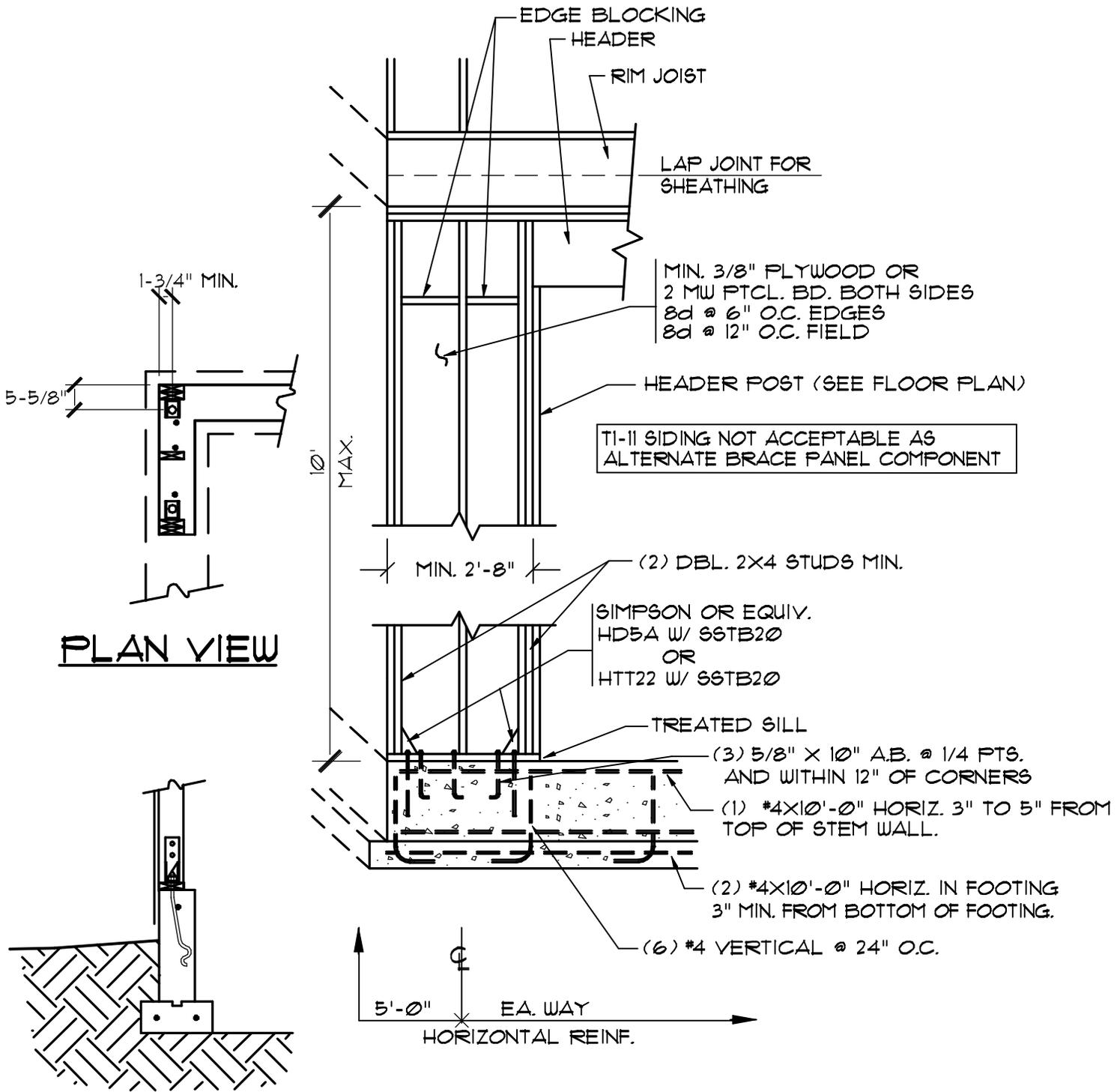
GABLE END DETAIL

6'-0" O.C.



ALTERNATE FOUNDATION SECTION

NOT TO SCALE



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.

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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:

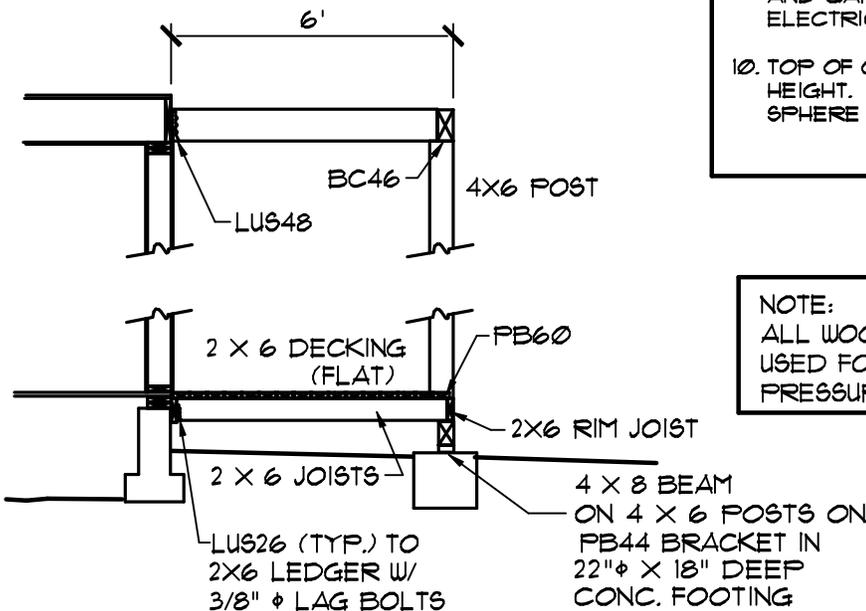
ROOF	EQ. OR LESS 50 PSF LL
(LIVE) FLOOR	40 PSF
STAIRS	100 PSF
DECKS	60 PSF

(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

PORCH DETAIL

1/4" = 1'-0"

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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 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	
	EA. 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).

BP BRACED WALL PANEL DEFINITION

A BRACED WALL PANEL CONSTRUCTED AS PER 'IRC 2009' (WSP)

BRACE PANEL SHEATHING MIN. T1-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 HOLD DOWNS AT EACH END OF EACH BRACE PANEL. SEE TYPICAL WALL DETAIL.

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C0384A Cabin Plan

Floor Joist

B01

Date: 1/04/07

Selection **2x 6 DF-L #2 @ 16 in. oc** **Lu = 0.0 Ft**

Conditions Repetitive Use, NDS 2001

Min Bearing Area R1= 0.5 in² R2= 0.5 in² DL Defl 0.06 in

Data

Beam Span	9.0 ft	Reaction 1 LL	240 #	Reaction 2 LL	240 #
Beam Wt per ft	0 #	Reaction 1 TL	300 #	Reaction 2 TL	300 #
Bm Wt Included	0 #	Maximum V	300 #		
Max Moment	675 '#	Max V (Reduced)	269 #		
TL Max Defl	L / 240	TL Actual Defl	L / 366		
LL Max Defl	L / 360	LL Actual Defl	L / 457		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	7.56	8.25	0.30	0.24
Critical	6.02	2.25	0.45	0.30
Status	OK	OK	OK	OK
Ratio	80%	27%	66%	79%

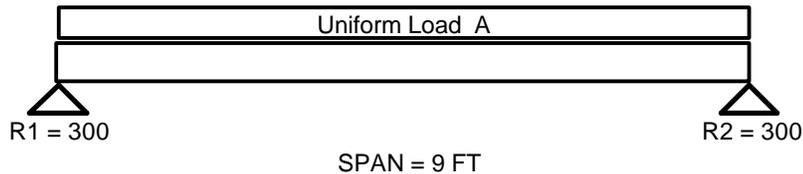
Values

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _L (psi)
Base Values	900	180	1.6	625
Base Adjusted	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	Kbe = 0.0

Loads Uniform LL: 53 Uniform TL: 67 = A



Uniform and partial uniform loads are lbs per lineal ft.

C0384A Cabin Plan

Porch Beam

B04

Date: 1/04/07

Selection **4x8 DF-L #2** **Lu = 0.0 Ft**

Conditions NDS 2001
 Min Bearing Area R1= 2.3 in² R2= 2.3 in² DL Defl 0.01 in

Data

Beam Span	6.0 ft	Reaction 1 LL	1200 #	Reaction 2 LL	1200 #
Beam Wt per ft	6.17 #	Reaction 1 TL	1458 #	Reaction 2 TL	1458 #
Bm Wt Included	37 #	Maximum V	1458 #		
Max Moment	2188 '#	Max V (Reduced)	1165 #		
TL Max Defl	L / 240	TL Actual Defl	L / 905		
LL Max Defl	L / 360	LL Actual Defl	L / >1000		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	30.66	25.38	0.08	0.07
Critical	22.44	9.71	0.30	0.20
Status	OK	OK	OK	OK
Ratio	73%	38%	27%	33%

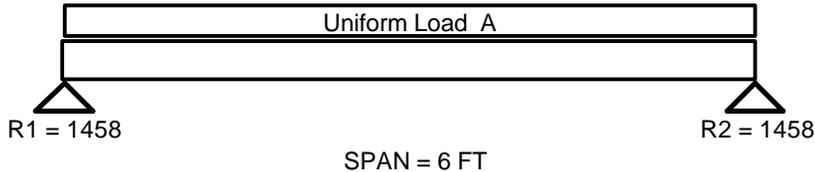
Values

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _L (psi)
Base Values	900	180	1.6	625
Base Adjusted	1170	180	1.6	625

Adjustments

CF Size Factor	1.300			
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	Kbe = 0.0

Loads Uniform LL: 400 Uniform TL: 480 = A



Uniform and partial uniform loads are lbs per lineal ft.

C0384A Cabin Plan

Deck Beam

B05

Date: 1/04/07

Selection **4x8 DF-L #2** **Lu = 0.0 Ft**

Conditions NDS 2001
 Min Bearing Area R1= 1.4 in² R2= 1.4 in² DL Defl 0.02 in

Data

Beam Span	8.0 ft	Reaction 1 LL	720 #	Reaction 2 LL	720 #
Beam Wt per ft	6.17 #	Reaction 1 TL	865 #	Reaction 2 TL	865 #
Bm Wt Included	49 #	Maximum V	865 #		
Max Moment	1729 '#	Max V (Reduced)	734 #		
TL Max Defl	L / 240	TL Actual Defl	L / 858		
LL Max Defl	L / 360	LL Actual Defl	L / >1000		

Attributes

	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl
Actual	30.66	25.38	0.11	0.09
Critical	17.74	6.12	0.40	0.27
Status	OK	OK	OK	OK
Ratio	58%	24%	28%	35%

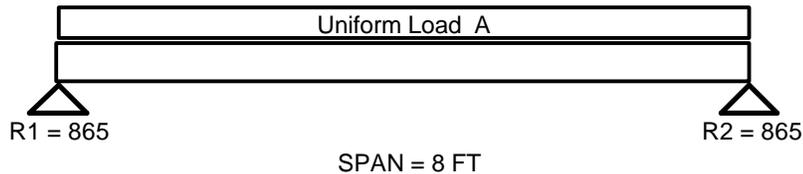
Values

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc _L (psi)
Base Values	900	180	1.6	625
Base Adjusted	1170	180	1.6	625

Adjustments

CF Size Factor	1.300			
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	Kbe = 0.0

Loads Uniform LL: 180 Uniform TL: 210 = A



Uniform and partial uniform loads are lbs per lineal ft.

MATERIAL LIST

C0384A Cabin Plan

Standard Foundation 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		2X6	92-5/8"	16"	57	EA
2	MAIN TREATED SILL		2X6			77	LF
3	MAIN INT PLATES		2X4			60	LF
4	MAIN EXT PLATES		2X6			160	LF
5	MAIN INT STUDS		2X4		16"	24	EA
6	MAIN FLOOR PLYWOOD		3/4"			384	SF
7	UPPER INT WALL STUDS		2x4	VARIES	16"	37	EA
8	UPPER CEILING S.R.		1/2" GYP.			543	SF
9	HEADER, (Main Window)	N/A	4X12	6'		1	EA
10	HEADER, (Ext Main Door)	N/A	4X8	4'		1	EA
11	HEADER, (Main Window)	N/A	4X8	4'		1	EA
12	HEADER, (Main Window)	N/A	4X8	5'		1	EA
13	RAFTERS	B02	2x12	15'	16"	38	EA
14	EAVE BLOCKING		2X	14.5"	16"	36	EA
15	H2.5 RAFTER TIE				16"	38	EA
16	ROOF SHEATH		1/2" CDX			815	SF
17	ROOF FELT		30# Felt			815	SF
18	ROOFING					662	SF
19	BARGE RAFTERS		2X6	15'		4	EA
20	MAIN EXT WALL S.R.		1/2" GYP.			616	SF
21	MAIN INT WALL S.R.		1/2" GYP.			480	SF
22	MAIN CEILING S.R.		1/2" GYP.			384	SF
23	EXT WALL SHEATH		1/2" CDX			616	SF
24	EXT WALL VAPOR		15# Felt			616	SF
25	EXT SIDING (See Plan)		Varies			616	SF
26	CONCRETE					4.24	CY
27	UPPER JOISTS	B01	2X6	16'	16"	9	EA
28	UPPER FLOOR PLYWOOD		5/8"			140	SF
29	POST		4X6	8'		4	EA
30	MAIN FLOOR JOISTS	B02	2X6	16'		18	EA
31	POST		4X4	6'		2	EA
32	DECK BEAM	B05	4X8	9'		2	EA
33	FLOOR BEAM		4X8	24'		1	EA
34	PORCH BEAM	B04	4X8 P.T.	6'		2	EA
35	DECK JOISTS		2X6 P.T.	6'		14	EA
36	DECKING		2X6 P.T.	18'		13	EA
37	MAIN FLOOR RIM JOISTS		2X6	80'		80	LF
38	RIDGE BEAM		2X14	30'		1	EA
39	ANCHOR BOLTS		1/2"		48"	20	EA
40	ANCHOR BOLTS		5/8"			3	EA
41	HOLD DOWNS		HD5A W/ SSTB20			2	EA
42	HOLD DOWNS		HD2A			2	EA
43	STRAPS		LSTA18			10	EA
44	FLOOR PLYWOOD		1- 1/8"			384	SF