

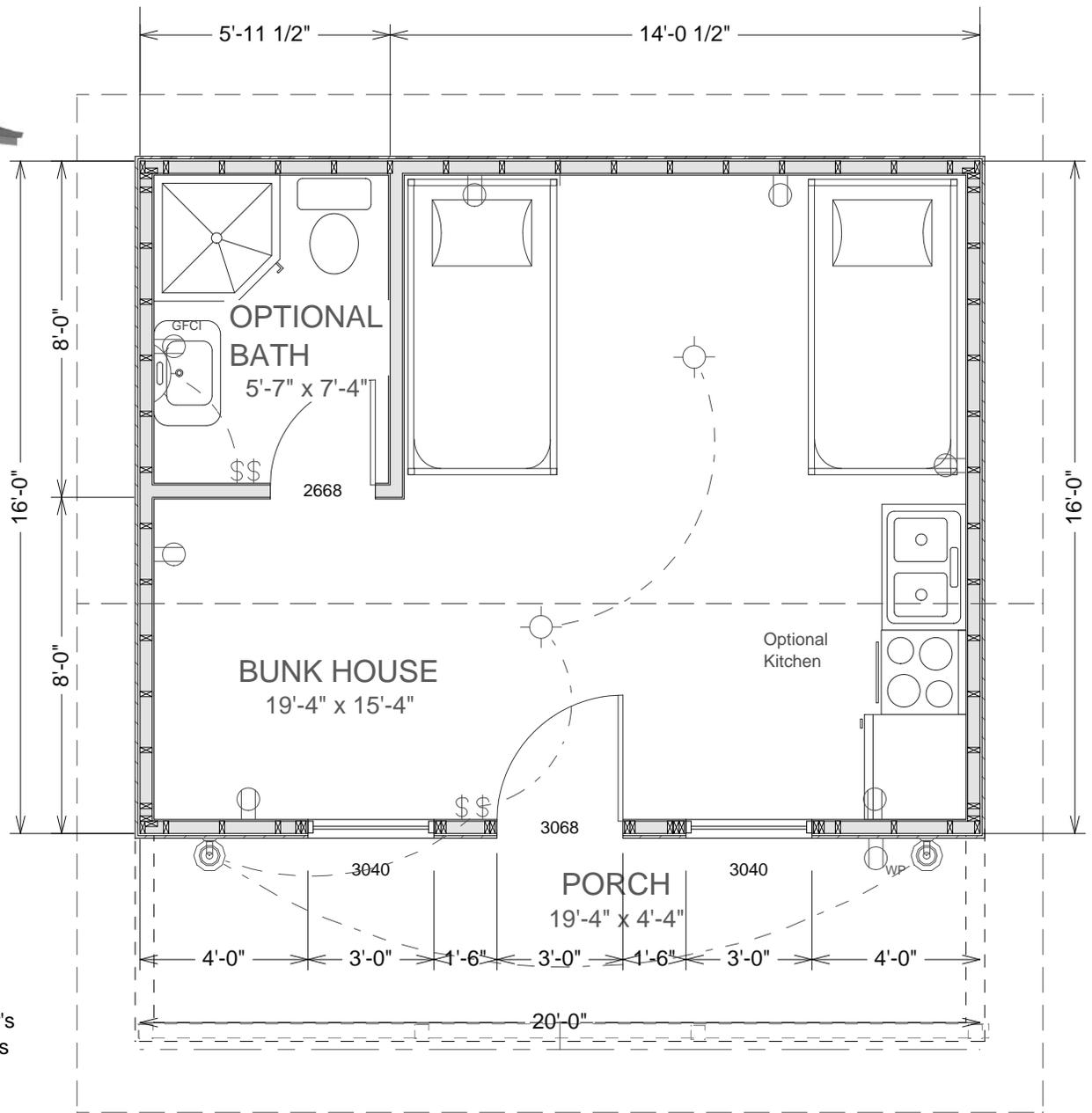


BUILDING CONTRACTOR/HOME OWNER TO REVIEW AND VERIFY ALL DIMENSIONS, SPECS, AND CONNECTIONS BEFORE CONSTRUCTION BEGINS. HOME TO BE BUILT AS PER IRC, UBC OR CURRENT CODE

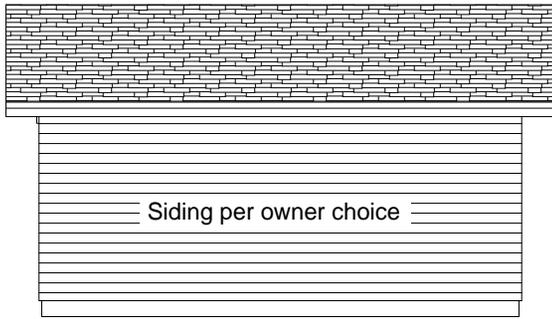
Custom Cabin Design
Plan #H265 Bunk House With Porch
 By SDS-CAD Specialized Design Systems

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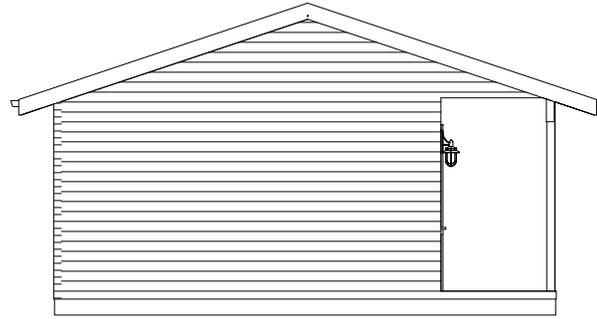
To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expeance and responsibility. The contractor shall verify all dimensions and enclosed drawing. SDSCAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter. All calculations and member sizing should be verified for your building by a certified building official.



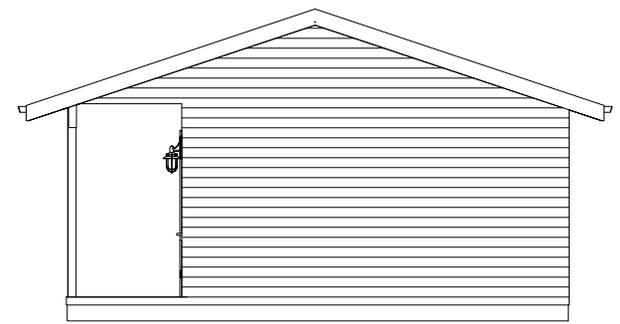
Main Floor Plan
 Scale 1/4"=1'



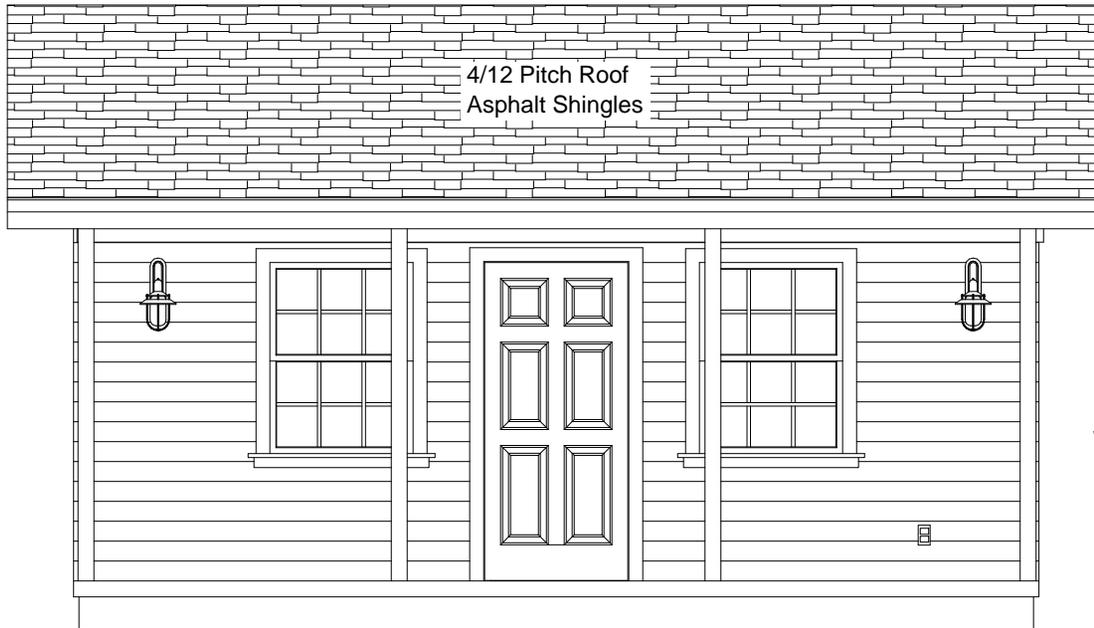
Rear Elevation
Scale 1/8"=1'



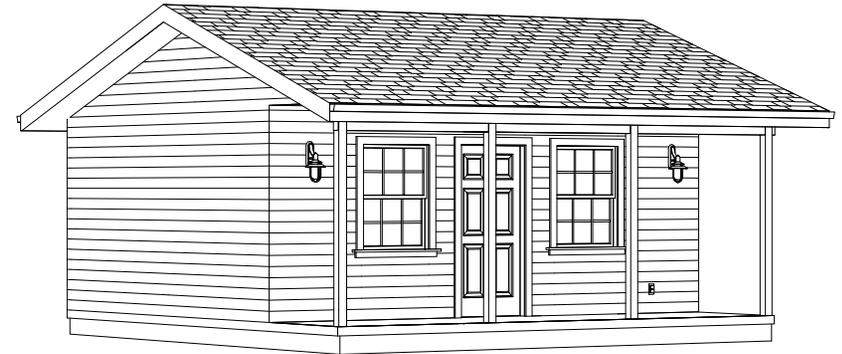
Left Side Elevation
Scale 1/8"=1'



Right Side Elevation
Scale 1/8"=1'

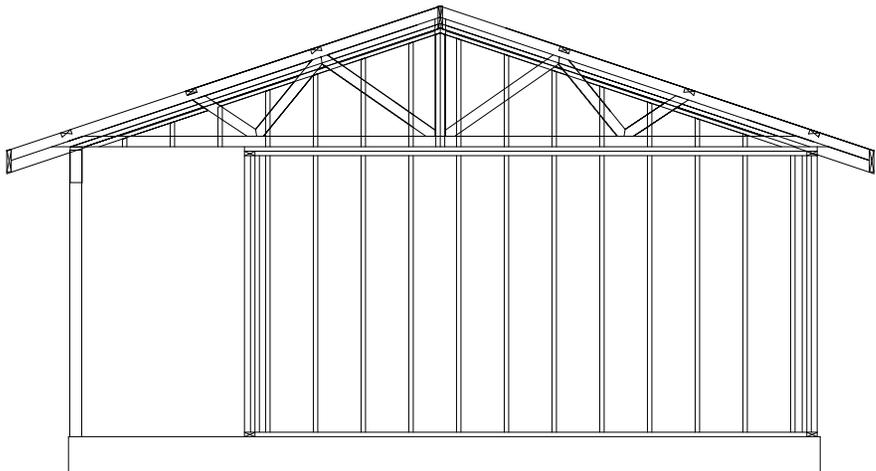
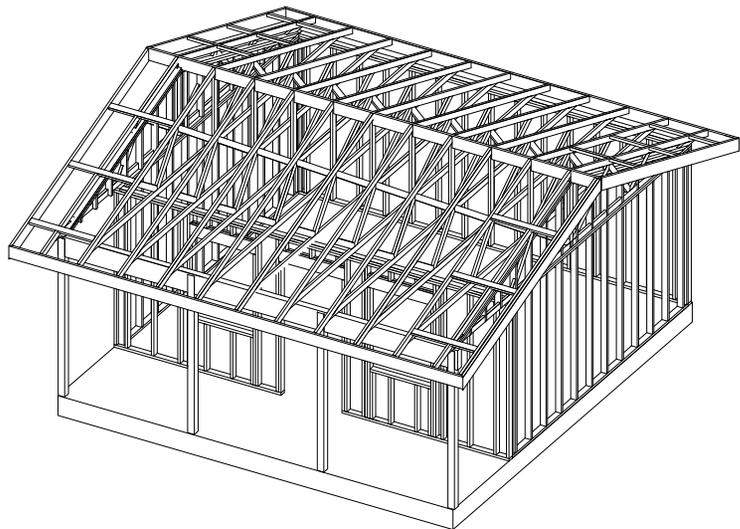
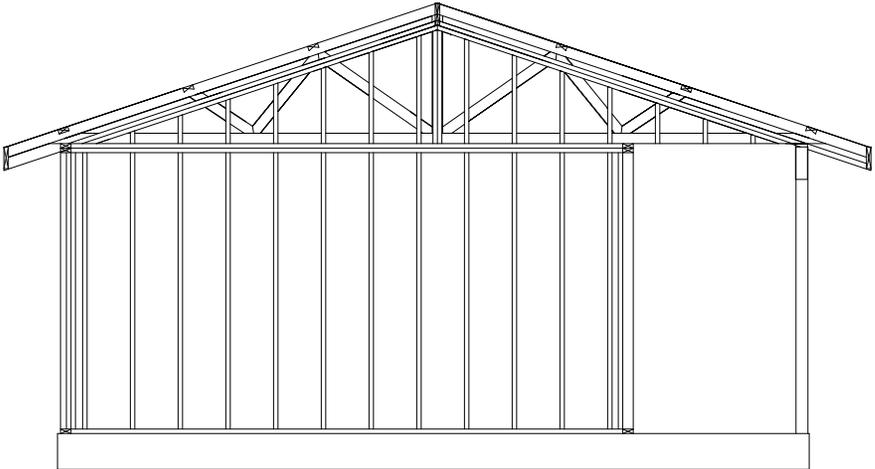
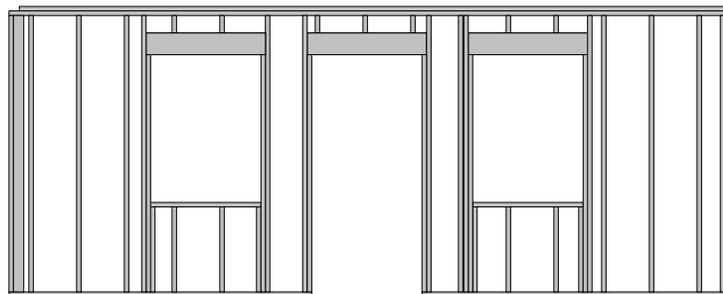
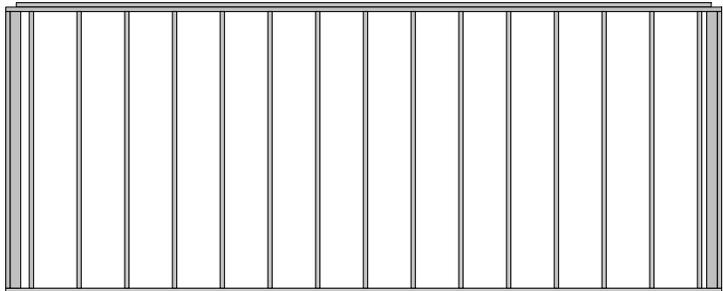


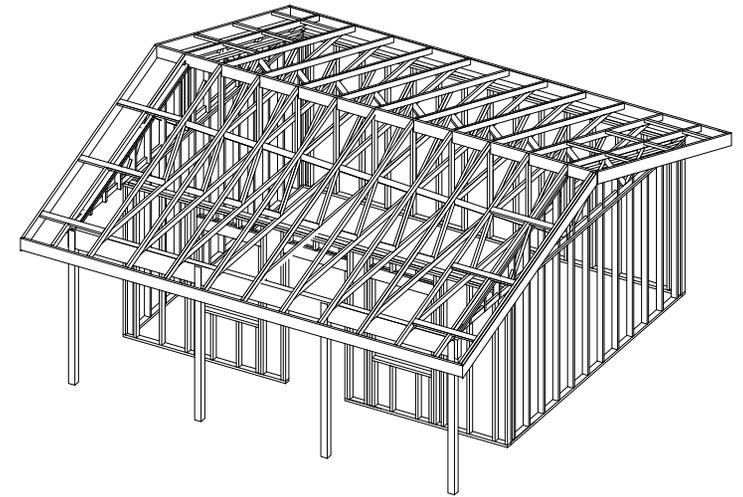
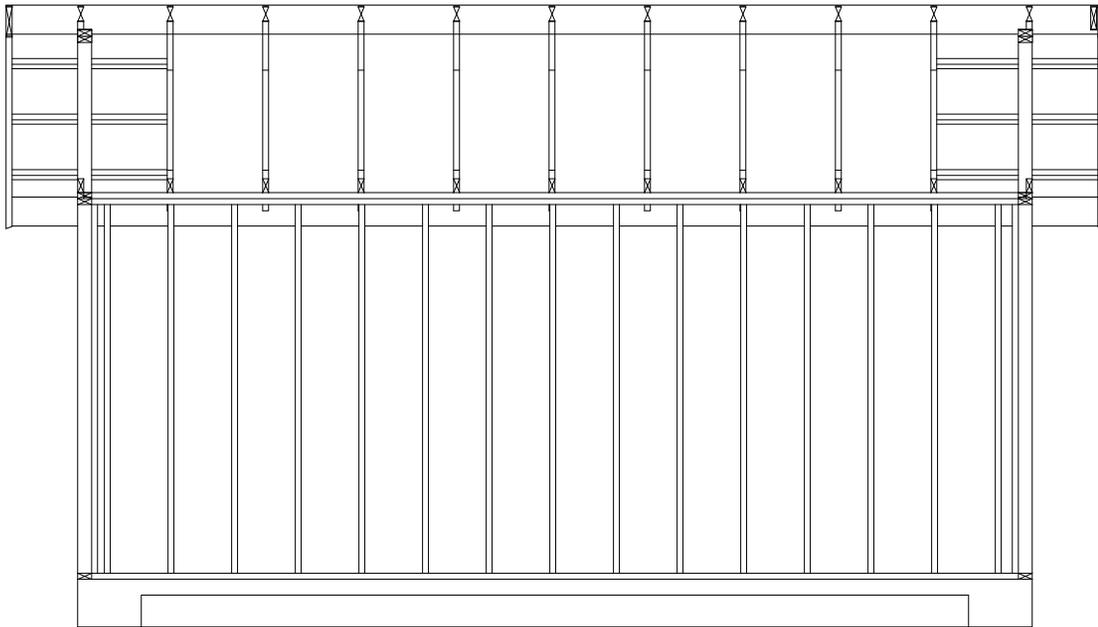
Front Elevation
Scale 1/4"=1'



ELEVATION DETAIL VIEWS

Framing Details
Scale 3/16"=1'
Conventional framing with 2 x materials 16" o.c.
See Framing notes header sizes and for details
See Main Floor Plan for stud layout





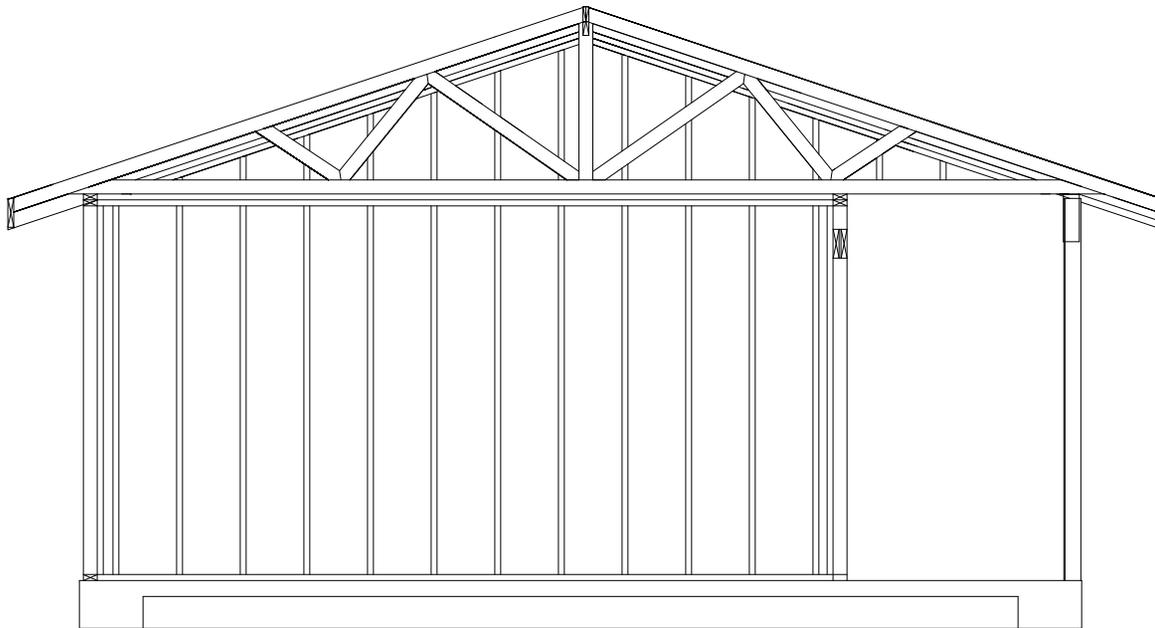
Whole Bunk House Cross Section

Details

Scale 1/4"=1'

Conventional framing with 2 x materials 16" o.c.

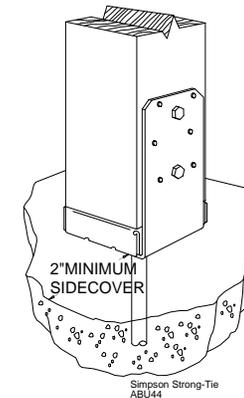
See Framing notes header sizes and for details



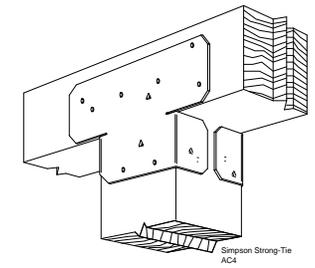
Front Porch Framing

4" x 4" x 8' posts

Equal spacing to 4" x 10" beam attached with simpson straps and post anchors- see details



Simpson Strong-Tie
ABU44

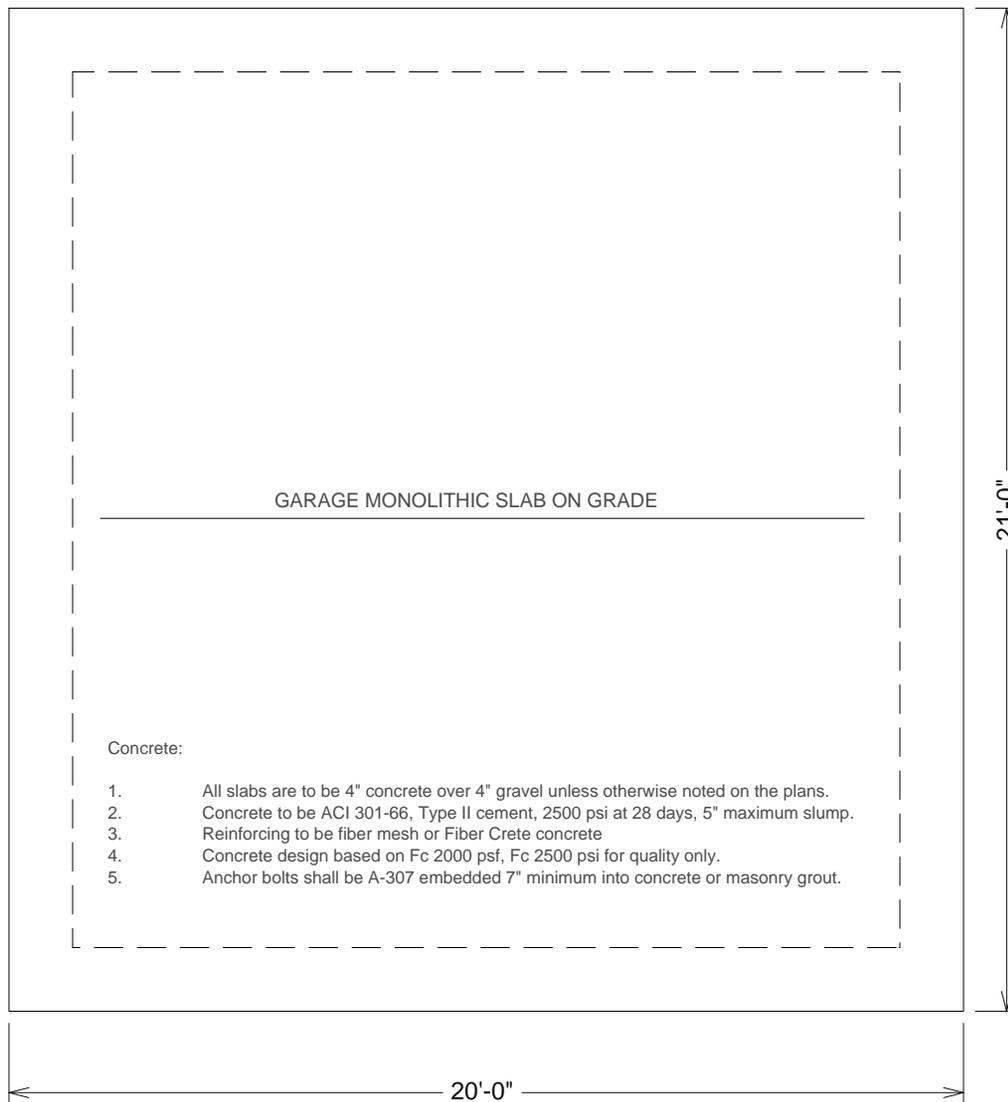


General framing: (Douglas Fir)

1. Minimum header sizes shall be according to the following table unless otherwise noted.
Header sizes (single story construction)
2'-0" to 4'-0" Span 2-2x4's
4' + to 6'-0" Span 2-2x6's
6' + to 8'-0" Span 2-2x8's
8' + to 10'-0" Span 2-2x10's
10' + to 12'-0" Span 2-2x12's
2. Brace all exterior walls and cross-stud partitions at each end of building and at least every 25' of length by one of the following:
 - a. Simpson WB 126 wall bracing with 3-16d nails at each end and 1-8d nails at each stud.
 - b. Plywood sheathing of a minimum thickness of 3/8 inch.
3. Fire stopping:
 - a. Fireblock stud spaces over 10' in height, furred spaces, soffits, drop ceilings, cove ceilings, stair stringers at top and bottom of run, bearing walls and ceiling joist lines, etc.
Firestopping shall consist of 2" nominal lumber.
 - b. Firestop openings around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
4. CDX plywood is not approved where exposed to weather, i.e., roof overhangs.
5. Exterior wall framing to be 2"x4" studs Min at 16" o.c. Interior wall, framing at non-bearing walls to be 2"x4" studs at 24" o.c. and at bearing walls 2"x4" studs at 16" o.c. with double top plate.
6. Shear wall to be 3/8" CDX plywood applied horizontally.
7. All stress grade lumber shall comply with WCLA specs and bear approval stamp on all pieces in place.
8. Framing lumber shall be Douglas Fir construction grade Fb 1450 or better unless otherwise noted.
9. Nailing to be per current U.B.C. unless otherwise noted.
10. All bearing partitions shall have double top plates.
11. Structural glued laminated timbers to be stamped by an approved agency.
12. Use redwood or pressure treated sole plates at all exterior walls.

Roof Framing:

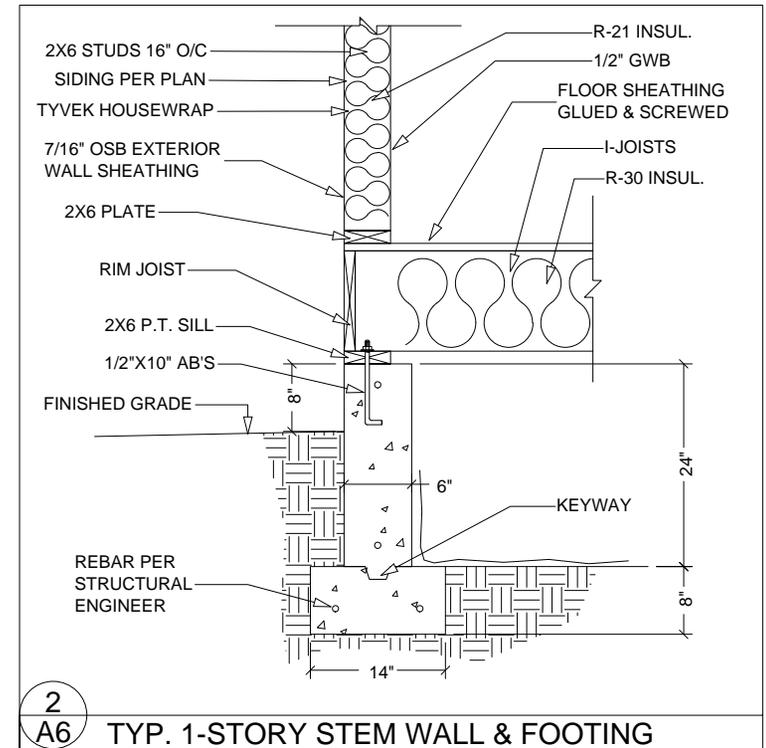
1. Fascia to be 2"x4" Douglas Fir
2. 12" soffit size
3. For spans and dimensions refer to floor plans or default to 16" o.c. framing 24" o.c. trusses.
4. Trusses are to be an approved truss design from the truss manufacture's engineer.
5. Use Simpson H-1 hurricane anchors at each truss or rafter to wall connection.
6. Solid blocking required between joists, rafters, and trusses over all bearing walls. Such blocking shall be 1 1/2" minimum thickness and full depth of joists, rafters, or trusses.
7. Minimum header sizes shall be according to the header size table unless otherwise noted.
8. Basis of design roof live/snow load of 37 psf, and roof dead load of 15 psf.
9. Plywood roof decking to be 1/2" thick, 24/0, CDX of 7/16 wafer.



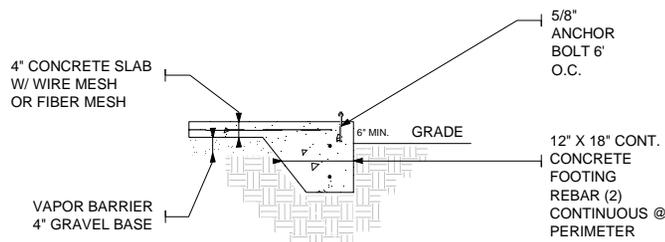
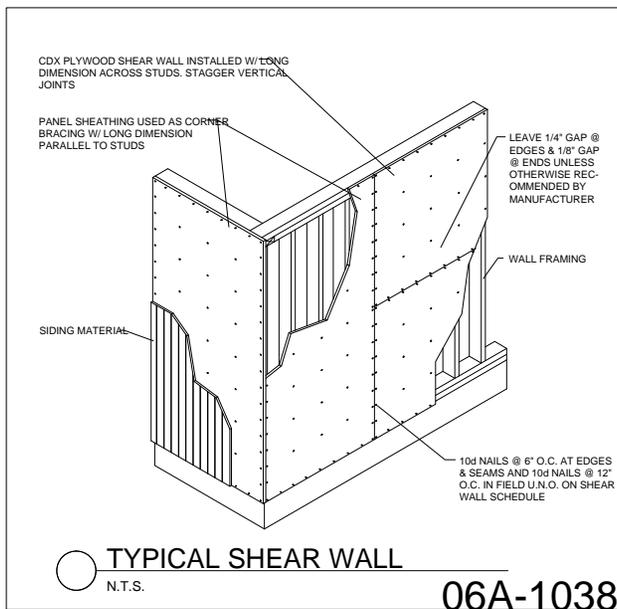
Concrete:

1. All slabs are to be 4" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days, 5" maximum slump.
3. Reinforcing to be fiber mesh or Fiber Crete concrete
4. Concrete design based on Fc 2000 psf, Fc 2500 psi for quality only.
5. Anchor bolts shall be A-307 embedded 7" minimum into concrete or masonry grout.

Monolithic Concrete Slab Plan
Scale 1/4"=1'

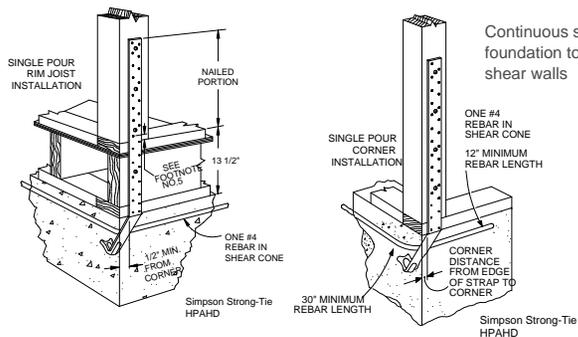


Optional Foundation System



MONOLITHIC SLAB ON GRADE

HD1 = HPAHD22 Simpson Hold Downs
HD2 = STHD14RJ Simpson Hold Downs



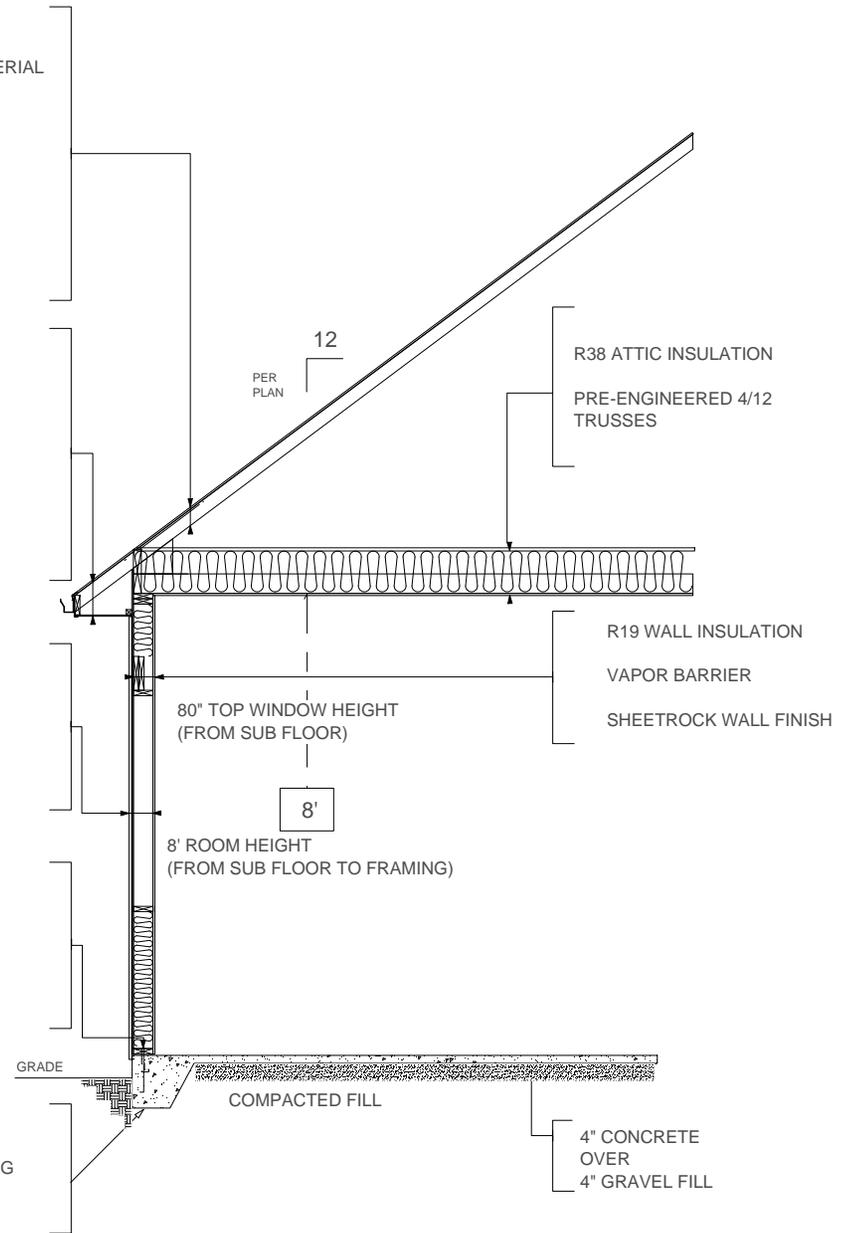
ALT BRACED WALL PANELS USE SIMPSON STRAPS WHERE REQUIRED

- 12/12 PITCH
- ASPHALT SHINGLES ROOFING MATERIAL
- 30# ROOFING PAPER
- 5/8" Min ROOF DECKING
- ENGINEERED TRUSS SYSTEM AND RAFTERS
- VENT PER CODE VENTILATION

- METAL DRIP EDGE
- RAIN GUTTERS
- 2 x 6 SUB FASCIA
- METAL FASCIA
- 12" MIN OVERHANG
- METAL VENTED SOFFIT

- VINYL SIDING WALL FINISH
- TYVEK HOUSE WRAP OR EQUIV
- 7/16 MIN WALL SHEATHING
- 2 x 6 FRAMING 16 O.C.
- A-307 ANCHOR BOLTS
- 2 x 6 TREATED SILL PLATE
- FOAM SILL SEAL
- 6" MIN TO GRADE HEIGHT

- WATERPROOFING TO GRADE
- 12 x 18 CONT CONCRETE FOOTING
- A-615 RE-BAR CONTINUOUS
- 4" DRAIN TILE IF NEEDED



ONE STORY WALL SECTION STANDARD PLATFORM FRAMING MONO SLAB FOUNDATION
SCALE: NTS

General						
GN1	1	97 1/8 high wall	Siding-4	71	0	ft
GN2	1		heated ceiling area	320.00	0.00	sq ft
GN3	1		heated floor area	320.00	0.00	sq ft
GN4	1		heated wall area	559.00	0.00	sq ft
GN5	1		heated glass area	12.00	0.00	sq ft
GN6	2	41 1/8 high wall	Siding-4	41	0	ft
						Subtotal:
Foundation						
FO1	1	102 sq ft	concrete slab	1.26	0.00	cu yd
FO2	1	102 sq ft	steel mesh for slab	102.00	0.00	sq ft
FO3	1	1/2x6"	foam sill seal	122	0	ft
FO4	1		foundation bolts	23	0	
FO5	1	16x4"h	concrete footing	1.83	0.00	cu yd
FO6	1	no. 4	rebar (footing)	230	0	ft
						Subtotal:
Subfloor						
SF1	1	4'x8'x3/4"	Sheet Plywood	10	0	
Framing						
F1	1	2x4-16ft+	fir plate	219	0	ft
F2	1	2x4"-92 5/8"	fir stud	63	0	
F3	1	2x4-16ft+	fir stud stock	61	0	ft
F4	1	2x4"-5 7/8"	fir stud	3	0	
F5	1	2x7-16ft+	header - lumber	20	0	ft
F6	2	2x4-16ft+	fir plate	84	0	ft
F7	2	2x4-16ft+	fir stud stock	58	0	ft
						Subtotal:
Siding						
S1	1	4'x8'x5/8"	Sheet Plywood-hrz	19	0	
S2	1	7" wide	Siding Wood White	1309	0	ft
S3	1		house wrap	1178.00	0.00	sq ft
S4	2	7" wide	Siding Wood White	170	0	ft
S5	2	4'x8'x5/8"	Sheet Plywood-hrz	2	0	
						Subtotal:
Ext Trim						
EX1	0	4" thick	- concrete grey	7.71	0.00	cu yd
Roofing						
R1	1	TR-0 287 11/16"	roof truss	11	0	
R2	1	2x8"-16'+	ridge board - lumber	23	0	ft
R3	1	2x8"-24'	rafters - lumber	2	0	
R4	1	2x8"-14'	rafters - lumber	4	0	
R5	1	2x4"-16'+	rafters - lumber	39	0	ft
R6	1	2x6"-14'	rafters - lumber	1	0	
R7	1		ridge cap	23	0	ft
R8	1		Roofing Dimensional Comp.	587.00	0.00	sq ft
R9	1	4x8' sheets	roof sheathing	19	0	
R10	1	2x8"	gable fascia	51	0	ft
R11	1	2x8"	eave fascia	46	0	ft
R12	1		metal drip edge	97	0	ft
R13	1		gutter	46	0	ft
R14	1		downspout	2	0	
						Subtotal:
Insulation						
IN1	1	12x16x48" batts	ceiling insulation	60	0	
IN2	1	12x16x48" batts	floor insulation	60	0	
IN3	1	4x16x93" batts	wall insulation	51	0	
						Subtotal:
Flooring						
FL1	1	2 1/4" wide	Flooring Oak-Golden	1582	0	ft
Wall Brd						
WB1	1	4'x8'x1/2"	Sheet Sheetrock	18	0	
WB2	1		Color Bone White	296.00	0.00	sq ft
WB3	1	4'x8'x3/4"	Sheet Sheetrock	9	0	
WB4	2	4'x8'x1/2"	Sheet Sheetrock	2	0	

Windows						
W1	1	36x48	double hung	2	0	
Doors						
D1	1	36x80x1 3/8R	6-Panel	1	0	
D2	1		hinge: hidden	2	0	
						Subtotal:
Cabinets						
C1	1	CBD3636	cmr base cab	1	0	
C2	1	10 1/4x6"	cab. drawer	2	0	
C3	1	21W1D	RP-2-REC	5	0	
C4	1		hidden cab. hinge	10	0	
C5	1		countertop - countertop pep	10.00	0.00	sq ft
C6	1		countertop front cap	10	0	ft
C7	1		backsplash	10	0	ft
C8	1	BS3636	base cab	1	0	
C9	1	34x6"	cab. drawer	1	0	
C10	1	BDR0936	base cab	1	0	
C11	1	7x6"	cab. drawer	1	0	
						Subtotal:
Int Trim						
T1	1	1x4-16ft+	window apron	14	0	ft
T2	1	1x4-16ft+	sill	14	0	ft
T3	1	1x4-16ft+	interior casing	84	0	ft
T4	1	5 in	interior jamb	17	0	ft
T5	1	1x6-16ft+	base molding	69	0	ft
						Subtotal:
Fixtures						
FX1	1	32W21D	Double Sink [32]	1	0	
Appliance						
A1	1	24W26D	Elec (small)	1	0	
A2	1	30W31D	Standard	1	0	
						Subtotal:
Electrical						
E1	1	wall mount	Duplex	7	0	
E2	1	wall mount	Caged Lantern	2	0	
E3	1	wall mount	Single Pole	2	0	
E4	1	wall mount	Duplex (weatherproof) - color light gra	0	0	
E5	1	ceiling mount	Half Dome Light - lighting gray	0	0	
						Subtotal:
Hardware						
H1	1		cab drawer glide	4	0	
						Total:

Computer generated materials list