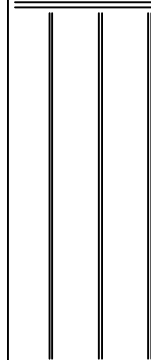
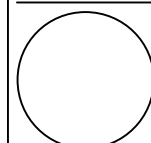


Custom Cabin Design Plan #236 Tagg Cabin By SDS-CAD Specialized Design Systems

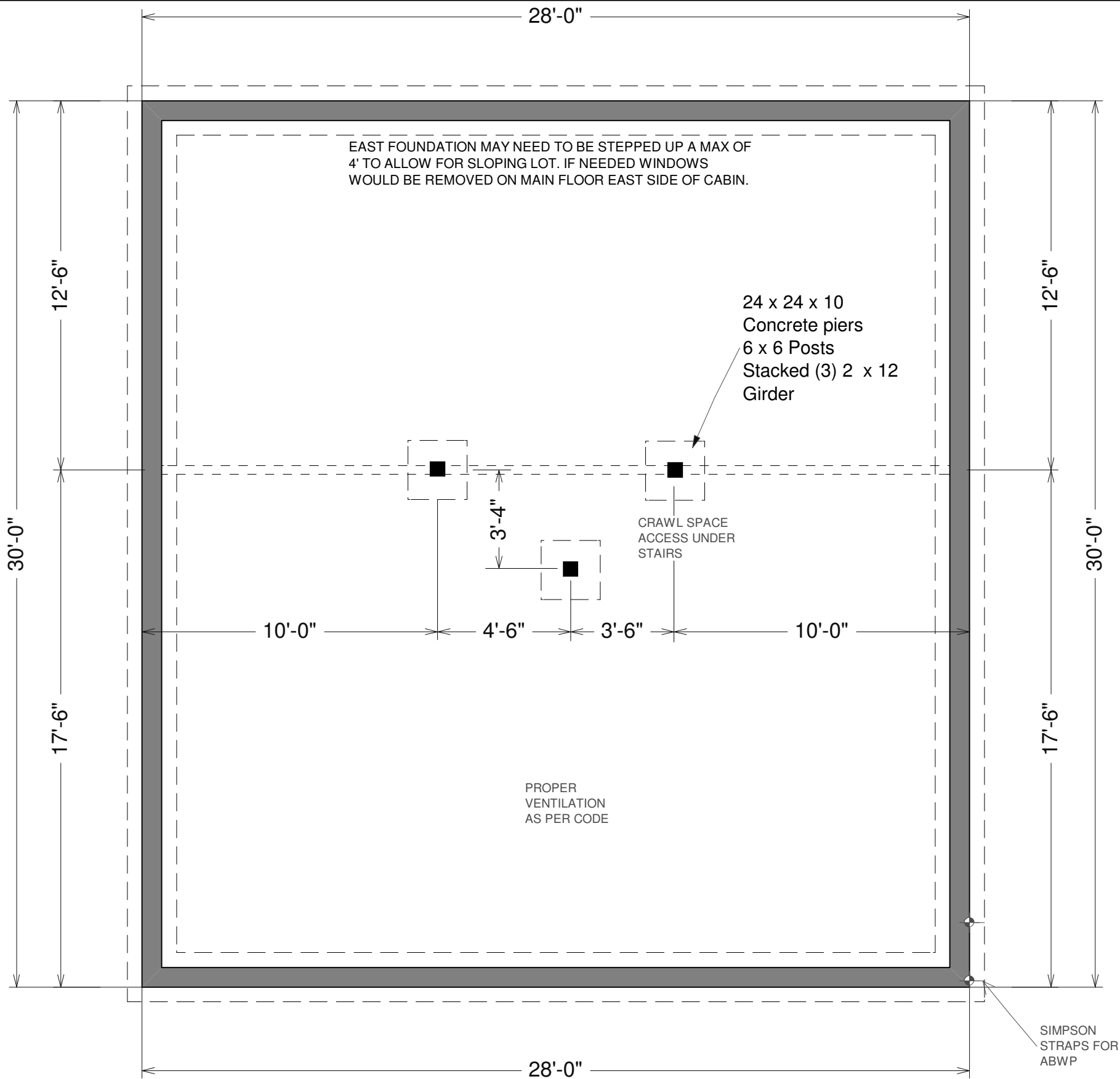
BUILDING CONTRACTOR/HOME OWNER
TO REVIEW AND VERIFY ALL DIMENSIONS,
SPECS, AND CONNECTIONS BEFORE
CONSTRUCTION BEGINS. HOME TO BE
BUILT AS PER IRC, UBC OR CURRENT CODE

Page 1	Cover Page
Page 2	Main Floor Plan
Page 3	Foundation Plan
Page 4	Second Floor Plan
Page 5	Elevation Plan
Page 6	Floor and Roof Framing Plan
Page 7	Whole House Framing Section
Page 8	Cabinet & Stair DetailsI
Page 9	Main Floor Electrical
Page 10	Second Floor Electrical
Page 11	Detailed House Section

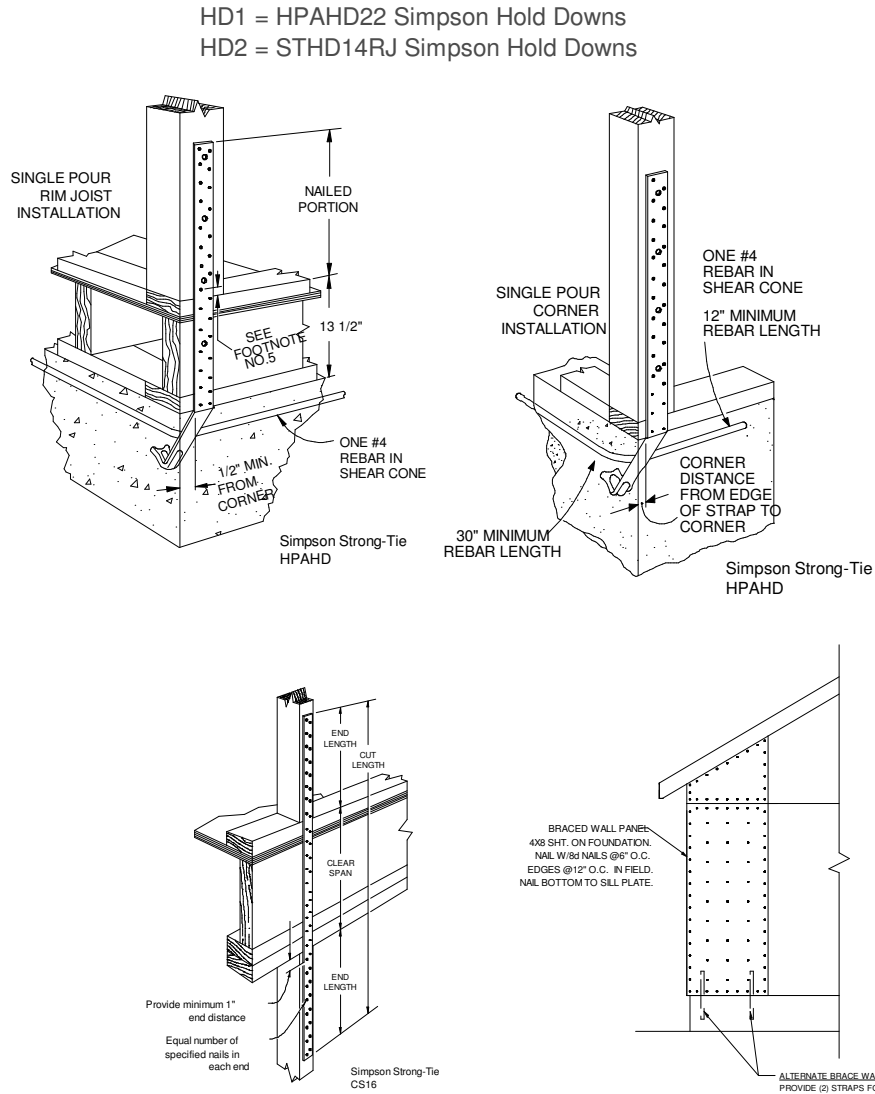
To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expence and responsibility. The contractor shall verify all dimensions and enclosed drawing. SDSCAD 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.



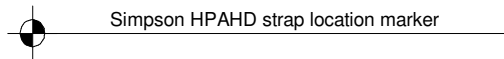
CLIENT	
DATE	
DRWN BY	
CHKD BY	
DATE	
REVISIONS	



- 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 ASTM A615-Bars with $F_y=60$ ksi lamp 30 diameter minimum at splices or weld per ACI Std.
 4. Concrete design based on F_c 2000 psf, F_c 2500 psi for quality only.
 5. Anchor bolts shall be A-307 embedded 7" minimum into concrete or masonry grout.



- BRACED WALLS AND ALT BRACED WALL OPTIONS
- 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.
 - c. Continuous bracing from floor to floor



ABWP - Alternate Braced Wall Panels
may be substituted with Simpson Strong Walls

Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

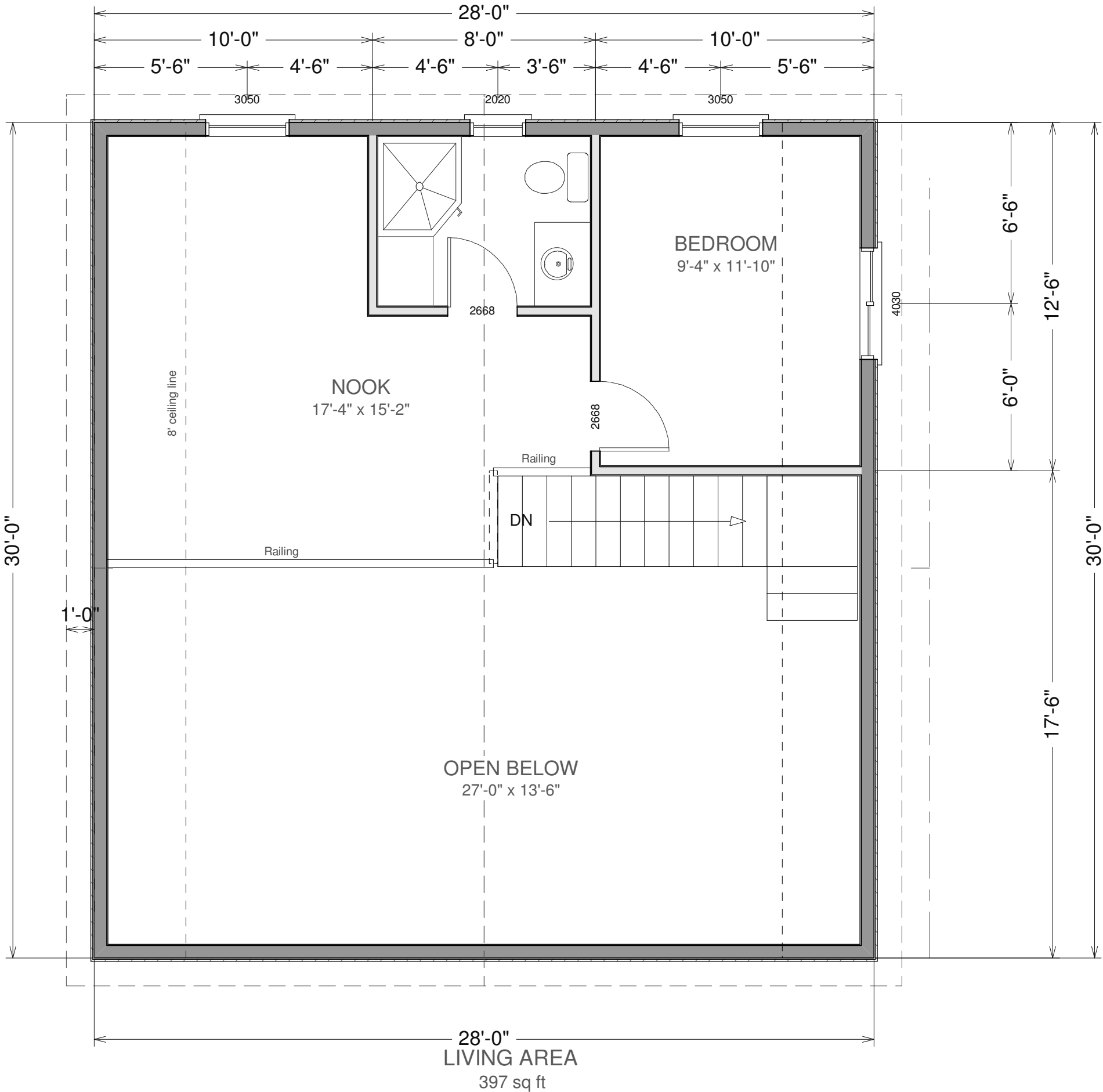
SCALE 1/4"=1'

FOUNDATION PLAN

CABINET SCHEDULE				
NUMBER	QTY	FLOOR	DIMENSIONS	DESCRIPTION
C01	1	1	36X24X36 "	BATH BASE CAB
C02	1	1	36X24X36 "	BASE CAB
C03	1	1	24X24X30 "	CRNR WALL CAB
C04	1	1	36X24X15 "	WALL CAB
C05	1	1	36X36X36 "	CRNR BASE CAB
C06	1	1	12X24X36 "	BASE CAB
C07	1	1	30X24X36 "	BASE CAB
C08	2	1	12X12X30 "	WALL CAB
C09	2	1	24X12X30 "	WALL CAB
C10	1	1	30X12X18 "	WALL CAB
C11	1	2	36X24X36 "	BASE CAB
C12	1	2	30X24X84 "	UTIL CAB
C13	1	1	30X24X84 "	BATH UTIL CAB
C14	1	1	24X24X36 "	BASE CAB

DOOR SCHEDULE				
NUMBER	QTY	FLOOR	SIZE	DESCRIPTION
D01	1	1	3068	EXT. 6-PANEL - COLOR WHITE
D02	3	1	2668	3 PANEL DOOR - COLOR BRITE WHITE
D03	1	1	3068	EXT. 6-PANEL
D04	2	2	2668	3 PANEL DOOR - COLOR BRITE WHITE

WINDOW SCHEDULE				
NUMBER	QTY	FLOOR	SIZE	DESCRIPTION
W01	1	1	3030	SINGLE HUNG
W02	1	1	2020	SINGLE HUNG
W03	9	1	3050	SINGLE HUNG
W04	2	2	3050	SINGLE HUNG
W05	1	2	2020	SINGLE HUNG
W06	1	2	4030	RIGHT SLIDING



SECOND FLOOR PLAN

SCALE 1/4"=1'

Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

Residential Design

SDS-CAD
Specialized Design Systems

CLIENT

DATE

DRWN BY

CHKD BY

DATE

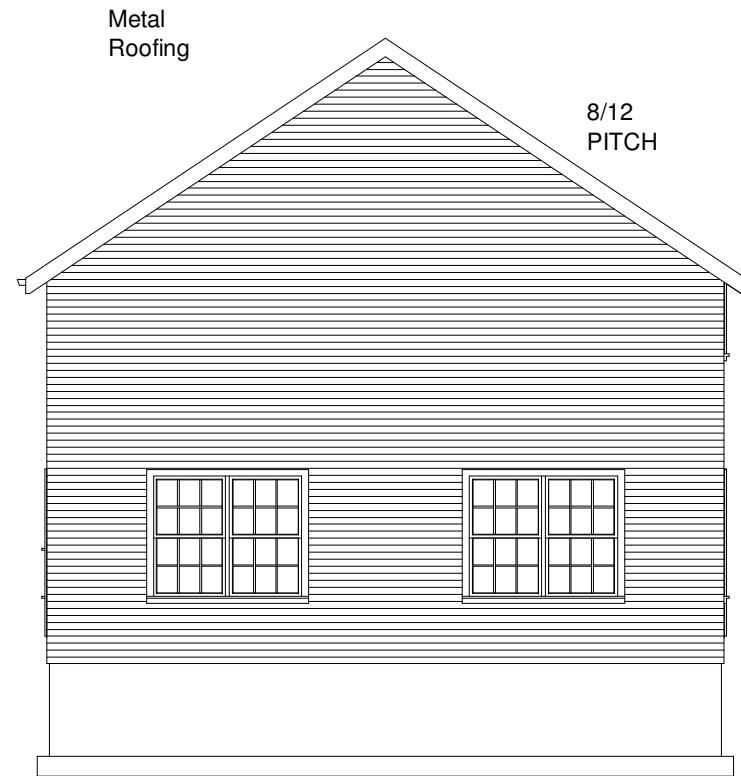
REVISIONS

JOB NO.

SHEET NO.
4
OF
11



EAST ELEVATION

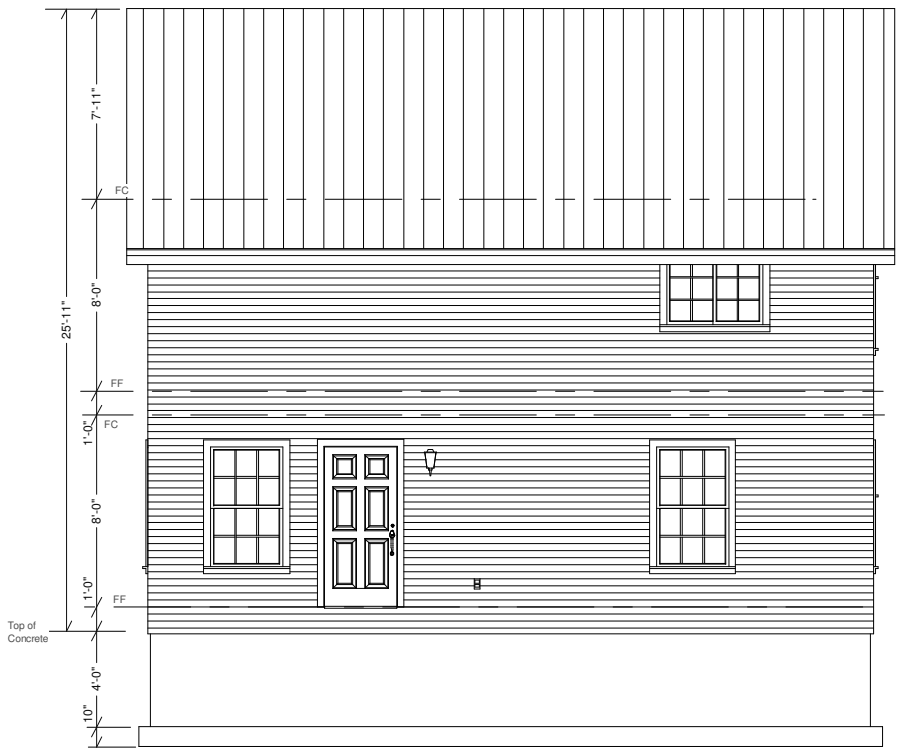


WEST ELEVATION

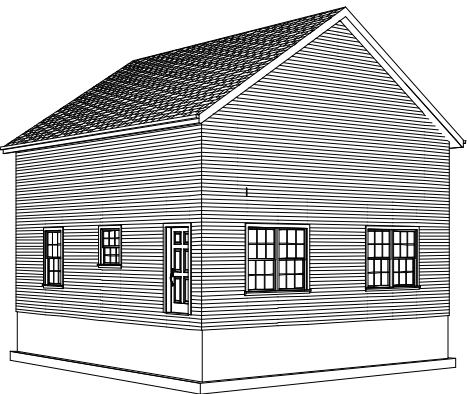
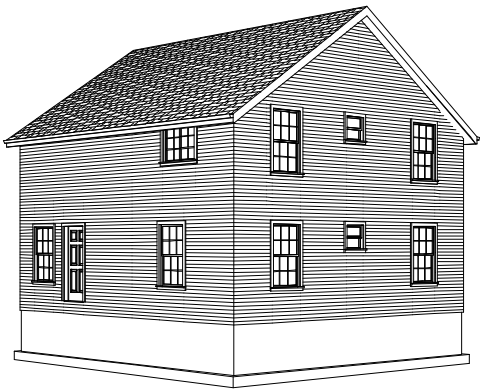
SCALE 1/8"=1'



NORTH ELEVATION



SOUTH ELEVATION



Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

Residential Design

SDS-CAD
Specialized Design Systems

P.O. Box 374, Mendon, Utah www.sdscad.com email: sdscad@pcu.net

CLIENT

DATE

DRAWN BY

CHKD BY

DATE

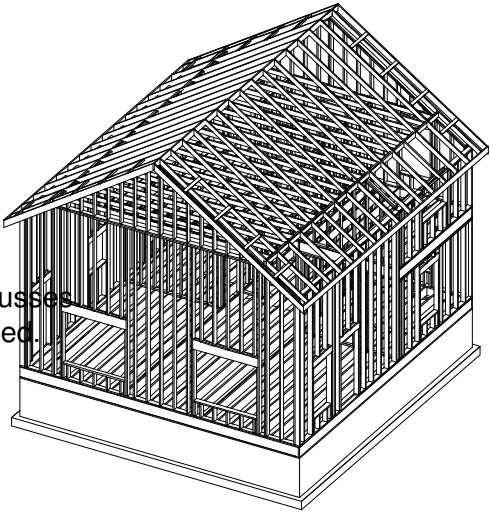
REVISIONS

JOB NO.

SHEET NO.
5
OF
11

Roof Framing:

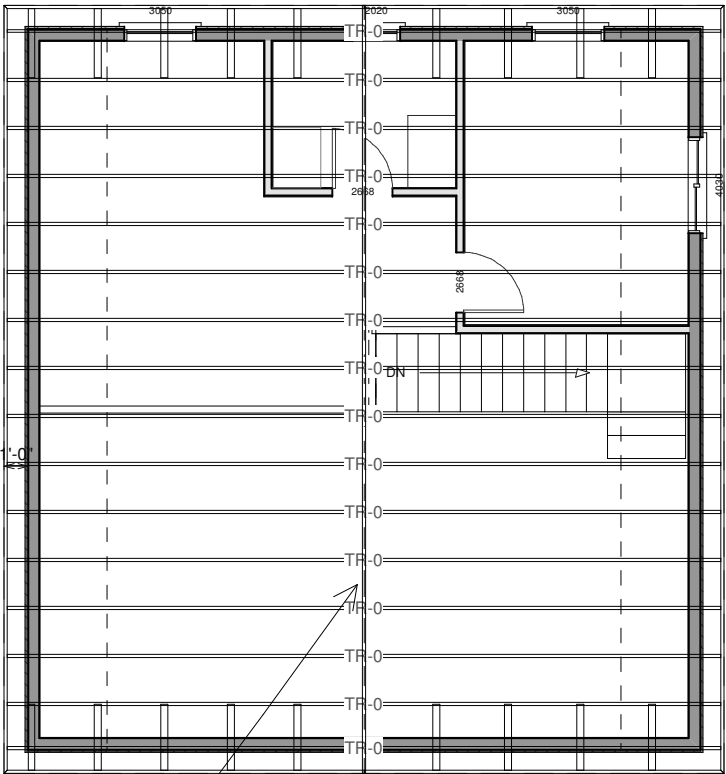
- 1. Fascia to be 2"x Douglas Fir.
- 2. For soffit size see details.
- 3. For spans and dimensions refer to floor plans.
- 4. Trusses are to be an approved truss design from the truss manufacture's engineer.
Install as per engineers specs
- 5. Use Simpson H-1 hurricane anchors at each truss or rafter 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 Min 1/2" thick, 24/0, CDX or 5/8 wafer.



- DESIGN CRITERIA
- A. BUILDING CODE IRC 2006
 - B. LOADINGS
 - a. ROOF SNOW LOAD = 90 PSF
 - b. TYPICAL FLOOR LIVE LOAD = 40 PSF
 - c. TYPICAL STAIR + CORRIDOR LIVE LOAD = 100 PSF
 - d. WIND LOAD – 120 MPH ZONE – EXPOSURE C
 - e. SEISMIC SS = 35 SI=25
 - C. FOUNDATION
 - a. ALL EXTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 36" BELOW ADJACENT FINISH FLOOR OR FINISH GRADE ONTO UNDISTURBED EXISTING SUBSOILS HAVING A MINIMUM NET BEARING CAPACITY OF 2000 PSF.

ROOF FRAMING

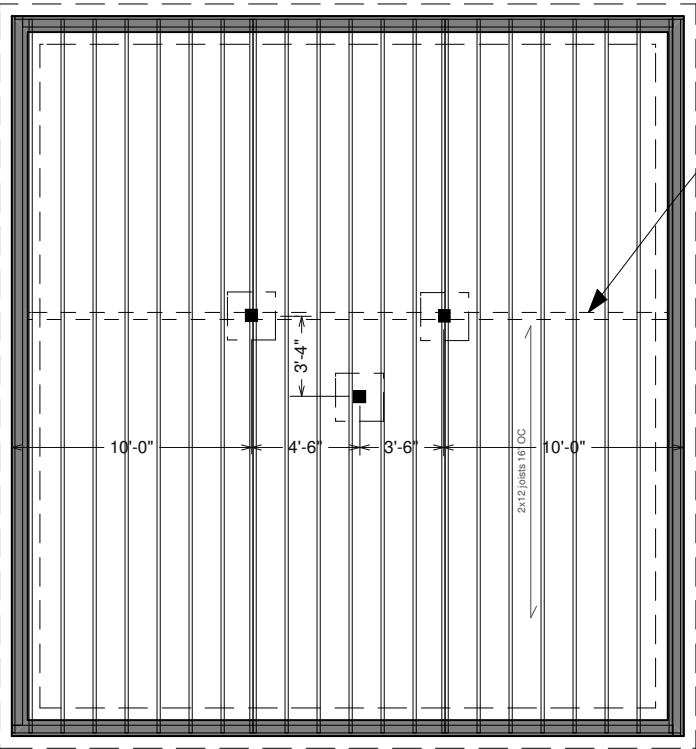
SCALE 1/16"=1'



8/12 Pitch

- PRE-ENGINEERED ENERGY TRUSSES AS SUPPLIED BY TRUSS MANUFACTURER
- 1. Trusses to be 24" O.C.
 - 2. Attic access min 22 1/2" x 30" were most convenient.
For all areas greater than 30"
 - 3. Install all trusses as per truss manufacturer installation guidelines.
 - 4. 8/12 Pitch for main house

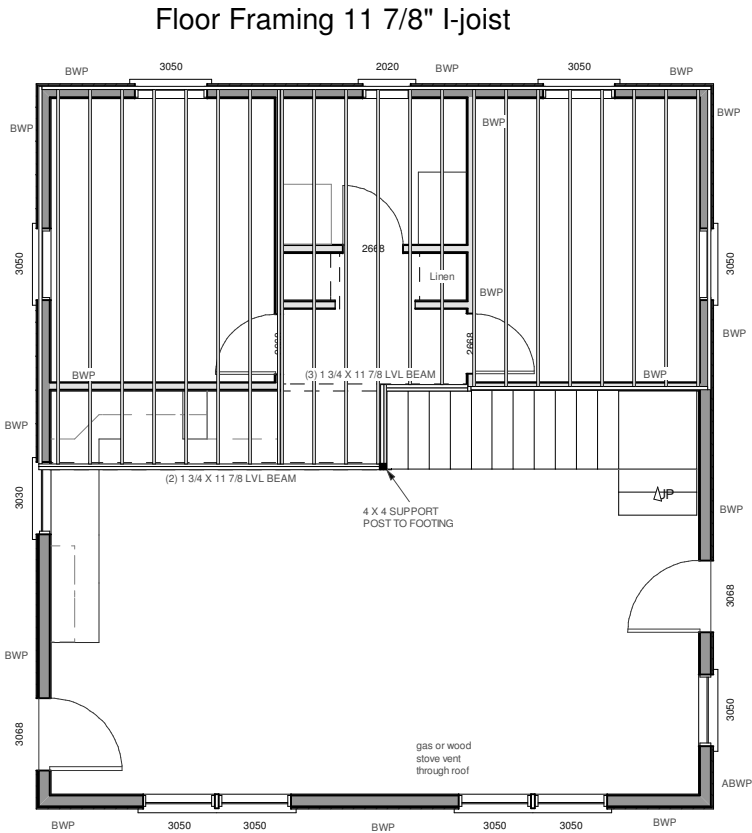
Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems



Floor Framing 11 7/8" I-joist

MAIN FLOOR FRAMING

SEE GENERAL SPECS AND
NOTES FOR FRAMING DETAILS



Floor Framing 11 7/8" I-joist

2ND FLOOR FRAMING

SCALE 1/8"=1'

Residential Design

SDS-CAD
Specialized Design Systems

CLIENT

DATE

DRAWN BY

CHKD BY

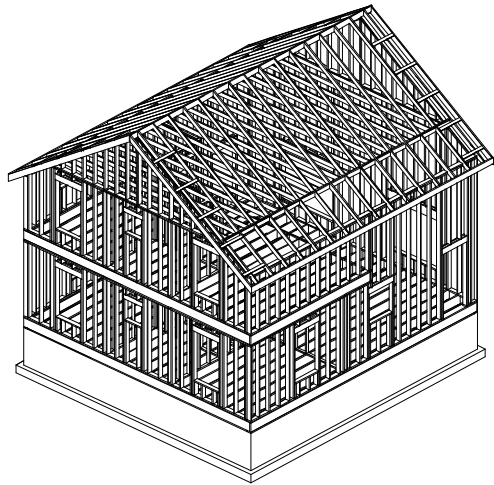
DATE

REVISIONS

JOB NO.

SHEET NO.

6
OF
11

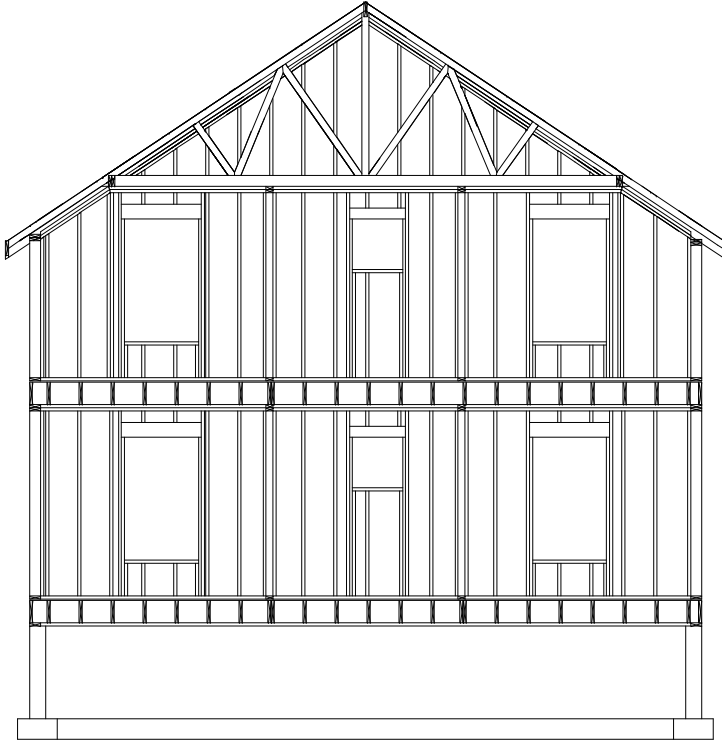
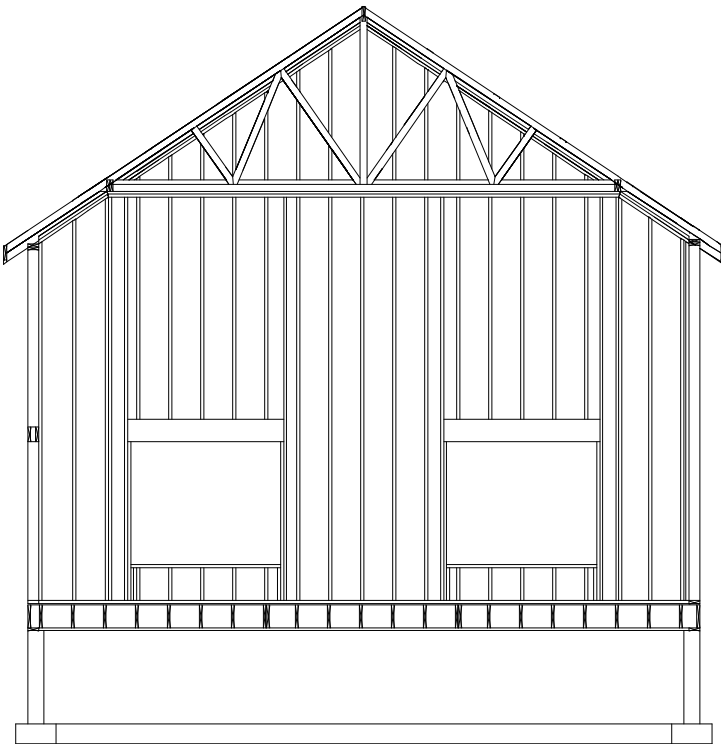
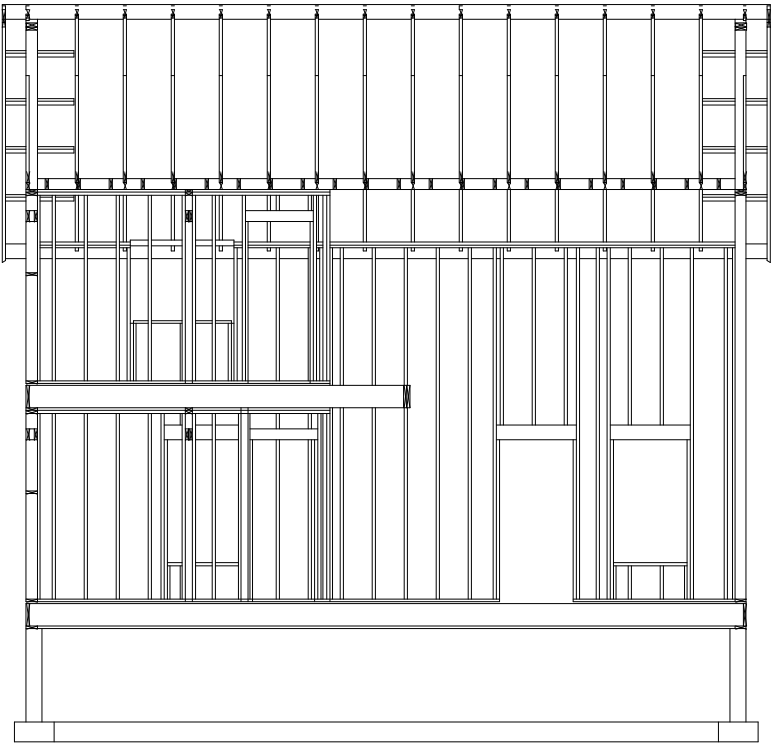


General framing: (Douglas Fir)

- 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
Header sizes (two story construction)
2'-0" to 3'-0" Span 2-2x4's
3' + to 5'-0" Span 2-2x6's
5' + to 7'-0" Span 2-2x8's
7' + to 8'-0" Span 2-2x10's
- 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:
 - Simpson WB 126 wall bracing with 3-16d nails at each end and 1-8d nails at each stud.
 - Plywood sheathing of a minimum thickness of 3/8 inch.
- Fire stopping:
 - 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.
 - Firestop openings around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
- CDX plywood is not approved where exposed to weather, i.e., roof overhangs.
- Exterior wall framing to be 2"x4" studs 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.
- Shear wall to be 3/8" CDX plywood applied horizontally.
- All stress grade lumber shall comply with WCLA specs and bear approval stamp on all pieces in place.
- Framing lumber shall be Douglas Fir construction grade Fb 1450 or better unless otherwise noted.
- Nailing to be per current U.B.C. unless otherwise noted.
- All bearing partitions shall have double top plates.
- Structural glued laminated timbers to be stamped by an approved agency.
- Use redwood or pressure treated sole plates at all exterior walls.

Floor Framing:

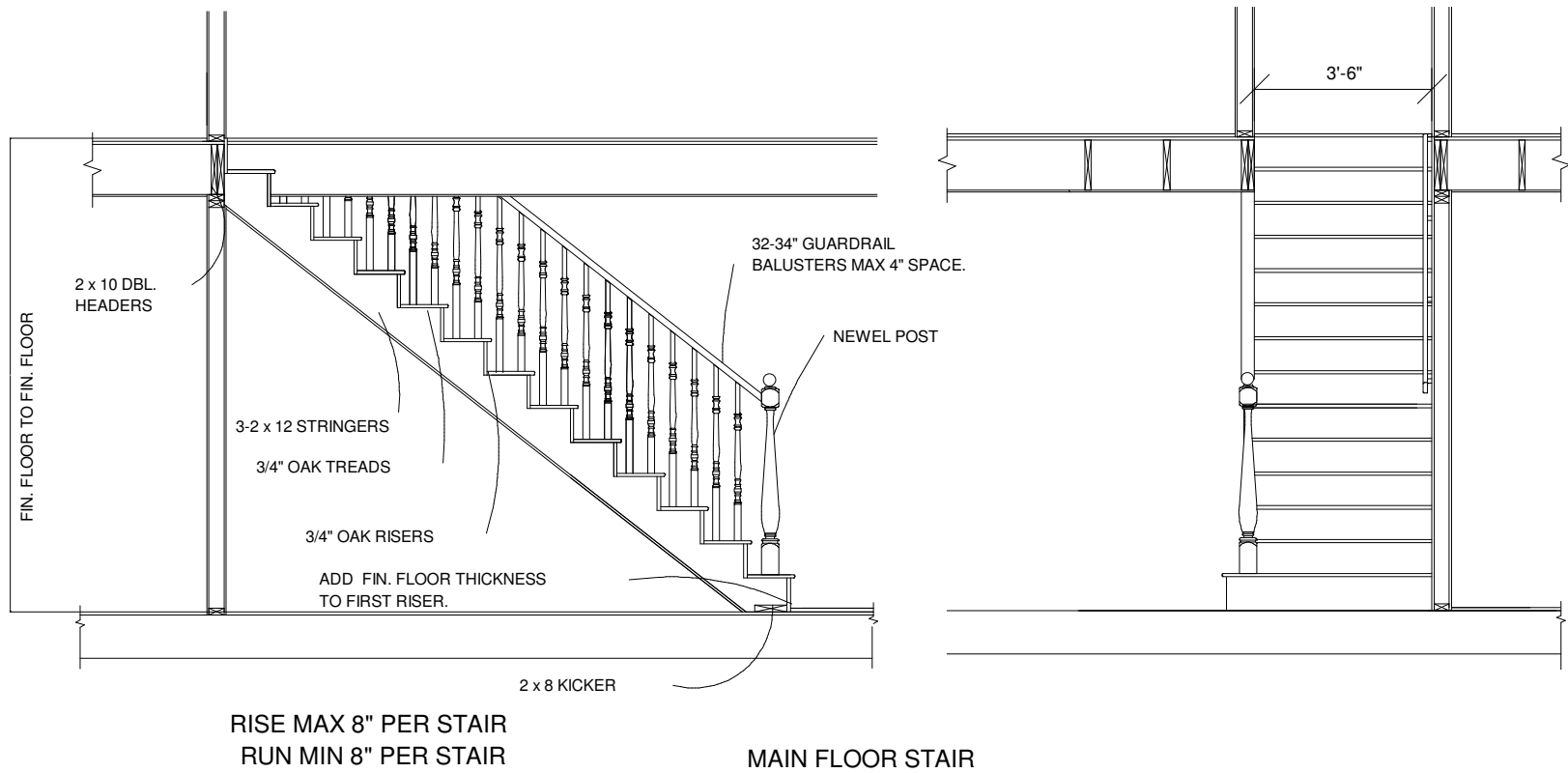
- All floor joist to be Douglas Fir #2 or T.J.I. @ 16" o.c. unless otherwise noted.
- For spans and dimensions refer to floor plans.
- Use Simpson H 2.5 hurricane anchors at each floor joist to bearing wall connection.
- Solid blocking between joists over all bearing walls, and midspans such blocking shall be 2" minimum thickness and full depth of joists.
- Minimum header sizes shall be according to the header size table unless otherwise noted.
- Basis of design: floor live load of 40 psf, and floor dead load of 15 psf.
- Floor decking to be 3/4" thick T & G wafer board.
- Joist hangers to be Simpson U210 or equal unless otherwise noted.
- Double joists and or double blocking at all interior walls.



FULL HOUSE FRAMING SECTION

SCALE 1/8"=1'

Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

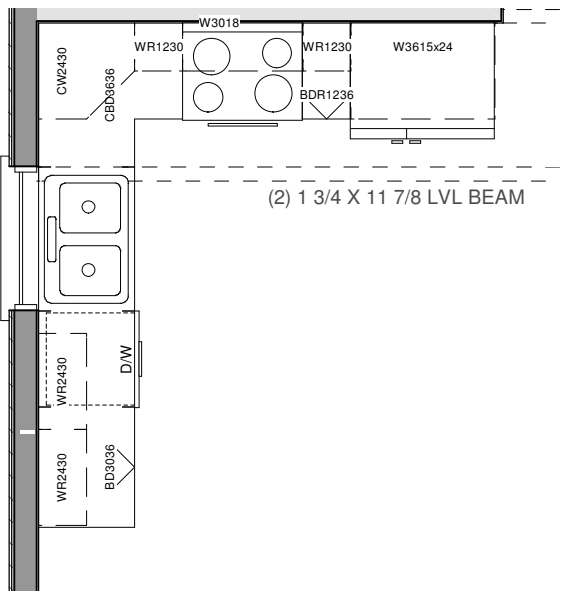


Kitchen layout and cabinets to be chosen by homeowner/Contractor basic layout for reference only. Measure after sheetrock is installed for correct sizing.

STAIR DETAILS

STAIR SPECIFICATIONS

- 1. Stairs to be constructed with the following materials:
2x6 kick plate anchor to concrete with expansion type anchor bolts,
2x12 treads nosing 1 1/8" minimum, 3-2x12 stringers required,
2x12 blocking, 3/4" wafer board risers and 2x6 ledger.
- 2. Handrail/Guardrails final style, material and color to be owner's choice. Design to be per code.
- 3. Guardrails to be 42" high minimum from floor.
- 4. Handrails to be 34"-38" above tread nosing.
- 5. Open railing to have intermediate rails or ornamental pattern such that a sphere 4" round cannot pass through.
- 6. Minimum stair requirements: maximum 8" rise, minimum 42" width, minimum 8" run, minimum head clearance 6'-8".
- 7. Preferred stair requirements: rise 7" to 7 1/2", run 11" to 12", minimum head clearance 7'-0".
- 8. Garage entrance stairs may be concrete or wood as per contractor/homeowner



CABINET SCHEDULE				
NUMBER	QTY	FLOOR	DIMENSIONS	DESCRIPTION
C01	1	1	36X24X36 "	BATH BASE CAB
C02	1	1	36X24X36 "	BASE CAB
C03	1	1	24X24X30 "	CRNR WALL CAB
C04	1	1	36X24X15 "	WALL CAB
C05	1	1	36X36X36 "	CRNR BASE CAB
C06	1	1	12X24X36 "	BASE CAB
C07	1	1	30X24X36 "	BASE CAB
C08	2	1	12X12X30 "	WALL CAB
C09	2	1	24X12X30 "	WALL CAB
C10	1	1	30X12X18 "	WALL CAB
C11	1	2	36X24X36 "	BASE CAB
C12	1	2	30X24X84 "	UTIL CAB
C13	1	1	30X24X84 "	BATH UTIL CAB
C14	1	1	24X24X36 "	BASE CAB

Cabinet Detail

SCALE 1/4"=1'

Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

Residential Design

SDS-CAD
Specialized Design Systems

P O Box 374 Menden, Utah www.sdscad.com email: sdscad@pcu.net

CLIENT

DATE

DRWN BY

CHKD BY

DATE

REVISIONS

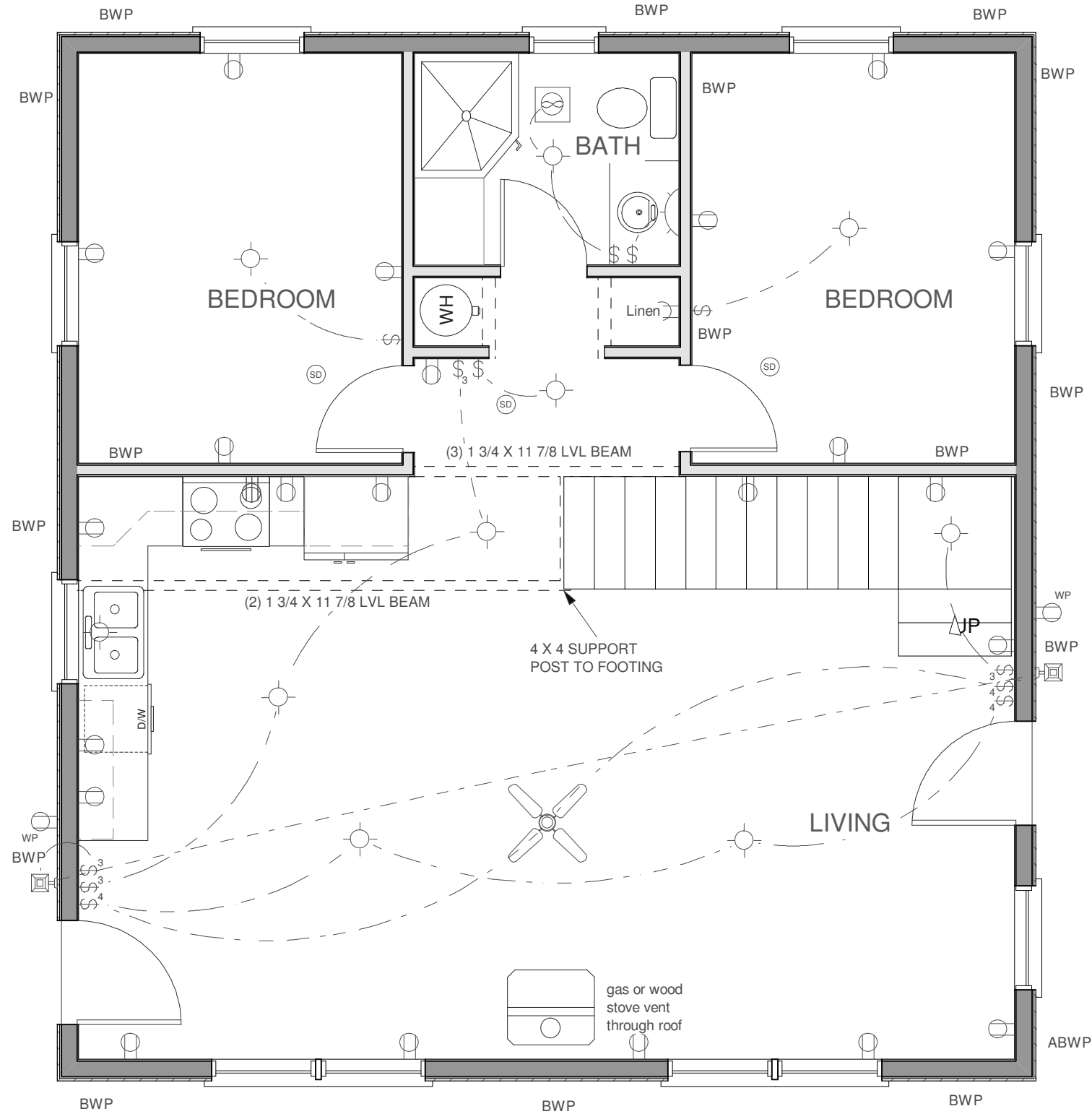
JOB NO.

SHEET NO.

8

OF

11



MAIN FLOOR ELECTRICAL PLAN

SCALE 1/4"=1'

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	METER SOCKET
	PANEL BOX
	CEILING FAN W/ LIGHT
	FLUORESCENT LIGHT FIXTURE
	110V CEILING LIGHT FIXTURE
	110V RECESSED LIGHT FIXTURE
	110V EAVE LIGHT FIXTURE
	110V CHANDILIER LIGHT FIXTURE
	110V WALL LIGHT FIXTURE
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	DIMMER SWITCH
	OUTDOOR SWITCH
	110V DUPLEX RECEPTACLE
	110V DUPLEX RECEPTACLE GROUND FAULT INTERRUPTED
	110V DUPLEX RECEPTACLE W/ WEATHERPROOF COVER
	110VFLOOR MOUNTED DUPLEX RECEPTACLE
	240V RECEPTACLE
	TELEPHONE JACKS
	TELEVISION JACKS
	DOOR BELL PUSH BUTTON
	THERMOSTAT
	SMOKE DETECTOR
	EXHAUST FAN
	DOOR CHIME
	FIRE ALARM PANEL
	COMPUTER POINT

Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems

Residential Design

SDS-CAD
Specialized Design Systems

CLIENT

DATE

DRWN BY

CHKD BY

DATE

REVISIONS

JOB NO.

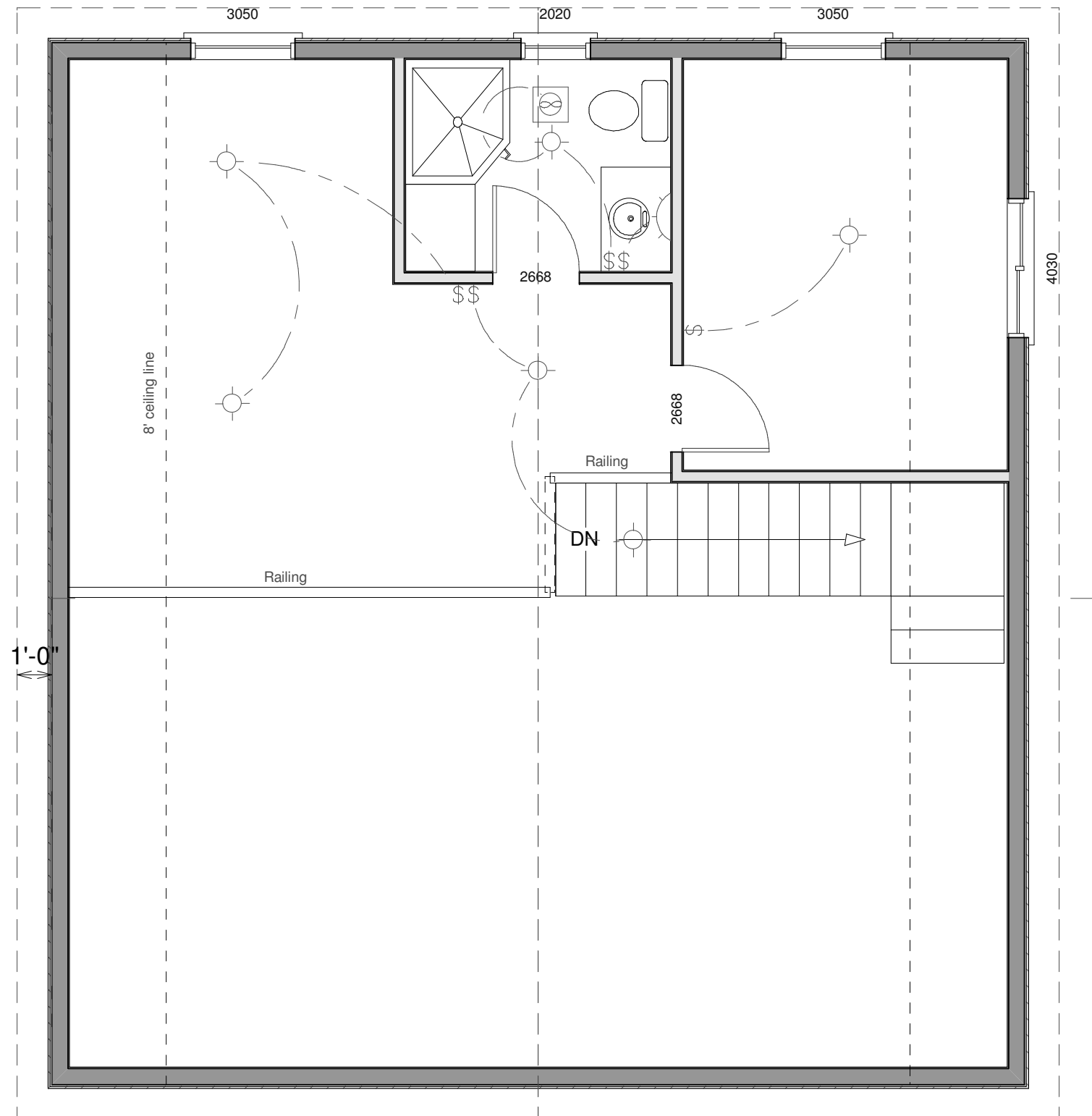
SHEET NO.

9
OF
11

1. Inspection is required prior to backfill of lines.
2. Provide 20 ft. of No. 4 copper wire as ground electrode in foundation footing.
3. Bond interior piping system with #8 bare copper.
4. Provide main jumping bond with #4 bare copper.
5. Electrical service is to be 200 amp service, 120/240 volt, 1 phase raintight, underground.
6. Provide separate 20 amp circuits to washer.
7. Provide 20 amp circuits to family and dining room, and a minimum of two 20 amp circuits to kitchen.
8. Prewire for TV, telephone in kitchen, family room, living room, and in every bedroom.
9. Install ground fault current interrupter on exterior, garage, kitchen, and bathroom convenience outlets.
10. Bottom half of outlet controlled by switch when shown.
11. All outlets in kitchen are to be at +44" excluding those for the refrigerator, range, disposal, and dishwasher.
12. Maximum spacing of outlets shall not exceed 12 ft. along wall line and at any wall over 24" wide in all rooms except kitchen, bath, utility, and garage.
13. Install light in walk-in closet 18" minimum horizontal from any shelf.
14. Provide a ventilation fan capable of producing a change of air every 12 minutes for bath or utility.
15. Provide smoke detector alarm conforming to Section 1210(A) U.B.C. and local building codes in every bedroom and on each floor.
16. CO2 Detector on each floor.

ELECTRICAL SCHEDULE			
NUMBER	QTY	FLOOR	DESCRIPTION
E01	3	1	SMOKE DETECTOR
E02	3	1	FOUR WAY
E03	10	1	HALF DOME LIGHT - LIGHTING GREY
E04	23	1	DUPLEX
E05	2	1	220V
E06	2	1	PORCH LANTERN
E07	2	1	DUPLEX (WEATHERPROOF) - COLOR LIGHT GRAY (MATTE)
E08	1	1	CEILING FAN (LIGHTS)
E09	5	1	SINGLE POLE
E10	4	1	THREE WAY
E11	1	1	HALF CONE - LIGHTING GREY
E12	1	1	EXHAUST
E13	5	2	SINGLE POLE
E14	6	2	HALF DOME LIGHT - LIGHTING GREY
E15	1	2	HALF CONE - LIGHTING GREY
E16	1	2	EXHAUST

SCALE 1/4"=1'



Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
 @COPYRIGHT SDSCAD Specialized Design Systems

ASPHALT SHINGLES ROOFING MATERIAL
30# ROOFING PAPER
7/16" Min ROOF DECKING
ENGINEERED TRUSS SYSTEM IF POSSIBLE
SEE PLAN FOR SIZING
VENT PER CODE VENTILATION

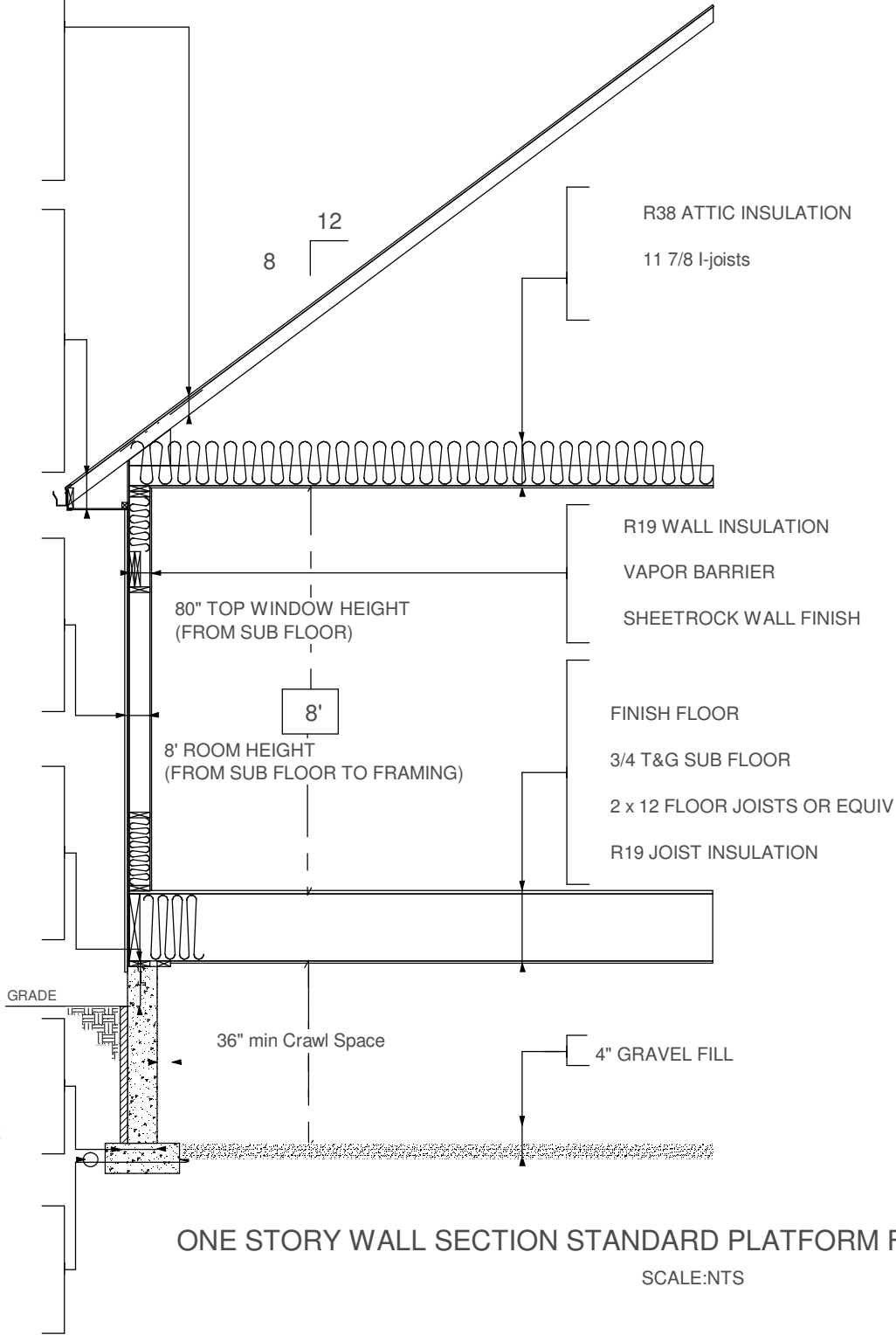
METAL DRIP EDGE
RAIN GUTTERS
2 x 6 SUB FASCIA
METAL FASCIA
OVERHANG TO MATCH HOUSE
METAL VENTED SOFFIT

MATCH EXISTING. WALL FINISH
TYVEK HOUSE WRAP
7/16 MIN WALL SHEATHING
2 x 4 FRAMING 16 O.C.

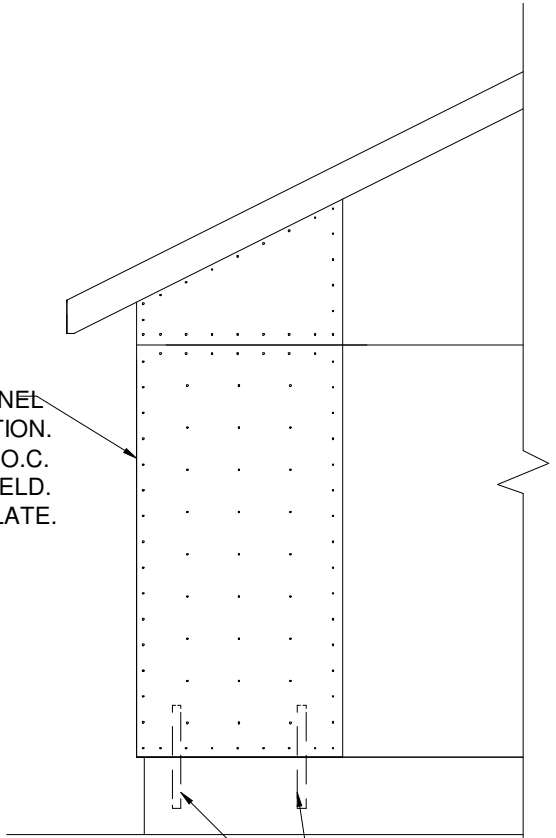
A-307 ANCHOR BOLTS
2 x 6 TREATED SILL PLATE
FOAM SILL SEAL
6" MIN TO GRADE HEIGHT

WATERPROOFING TO GRADE
8" FOUNDATION WALL
A-615 RE-BAR 24" OC VERT & HOR

4" DRAIN TILE
10" x 20" CONCRETE FOOTING
A-615 RE-BAR

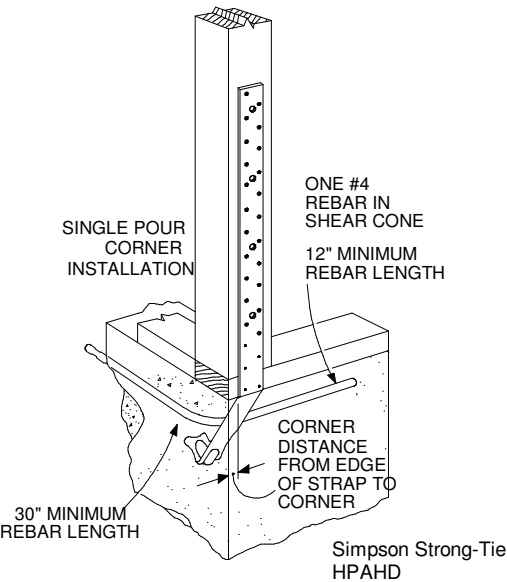
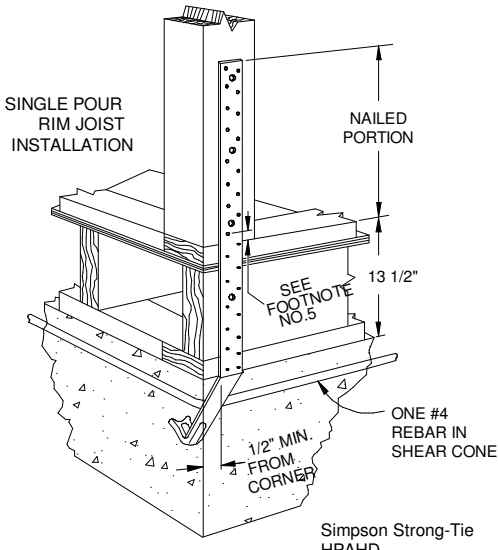


BRACED WALL PANEL
4X8 SHT. ON FOUNDATION.
NAIL W/8d NAILS @6" O.C.
EDGES @12" O.C. IN FIELD.
NAIL BOTTOM TO SILL PLATE.



ALTERNATE BRACE WALL PANELS
PROVIDE (2) STRAPS FOR B.W.P.

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



Note: Paper size B - 11 x 17 if printed on D - 22 x 34 scale is 2 X of stated scale
©COPYRIGHT SDSCAD Specialized Design Systems