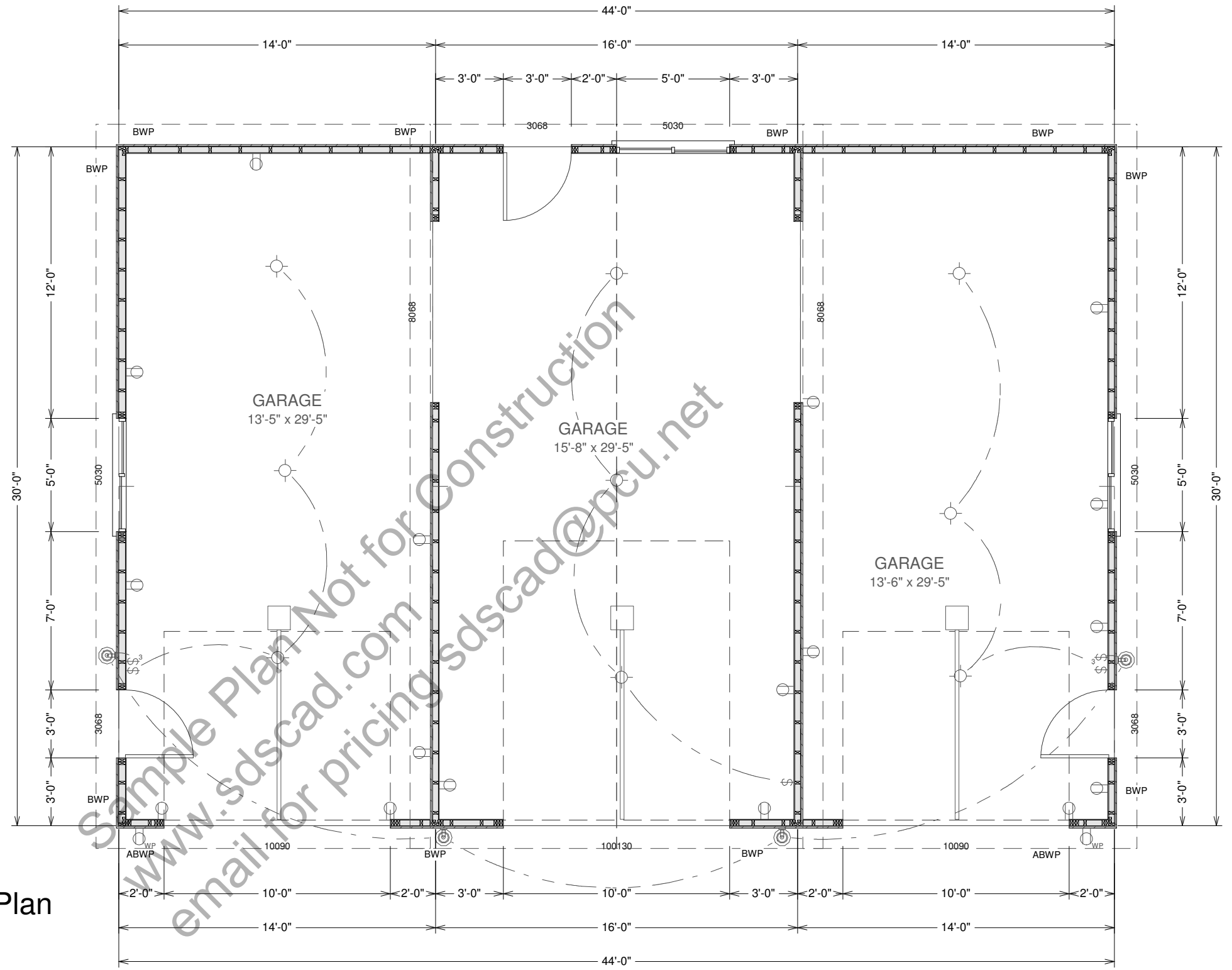
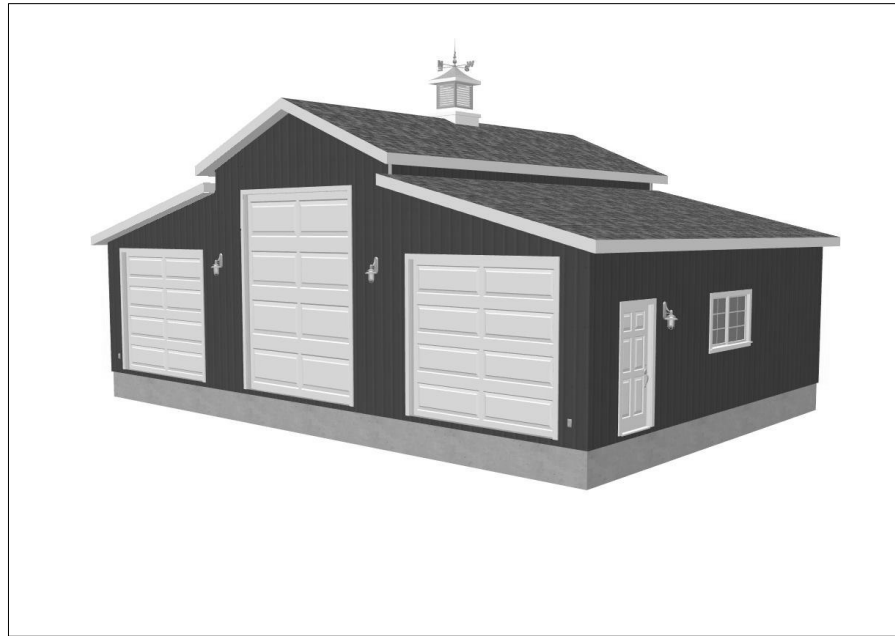


30 year dimensional shingles and Metal Verticle siding over structural sheathing. Nailing schedule is 6" on ends 12" on centers 6d nails. Trusses are engineered on 24" and framing is 2" x 4" on 16" centers. 10" ceiling height.



45 x 30 - 10' Sides 15' center RV Garage Plan  
 Plan #g258  
 By SDS-CAD Specialized Design Systems

### GARAGE MAIN FLOOR PLAN

SCALE 3/16"=1'

**BUILDING CONTRACTOR/HOME OWNER  
 TO REVIEW AND VERIFY ALL DIMENSIONS,  
 SPECS, AND CONNECTIONS BEFORE  
 CONSTRUCTION BEGINS. GARAGE TO BE  
 BUILT AS PER IRC 2006 OR CURRENT LOCAL CODE**

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 affort 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.

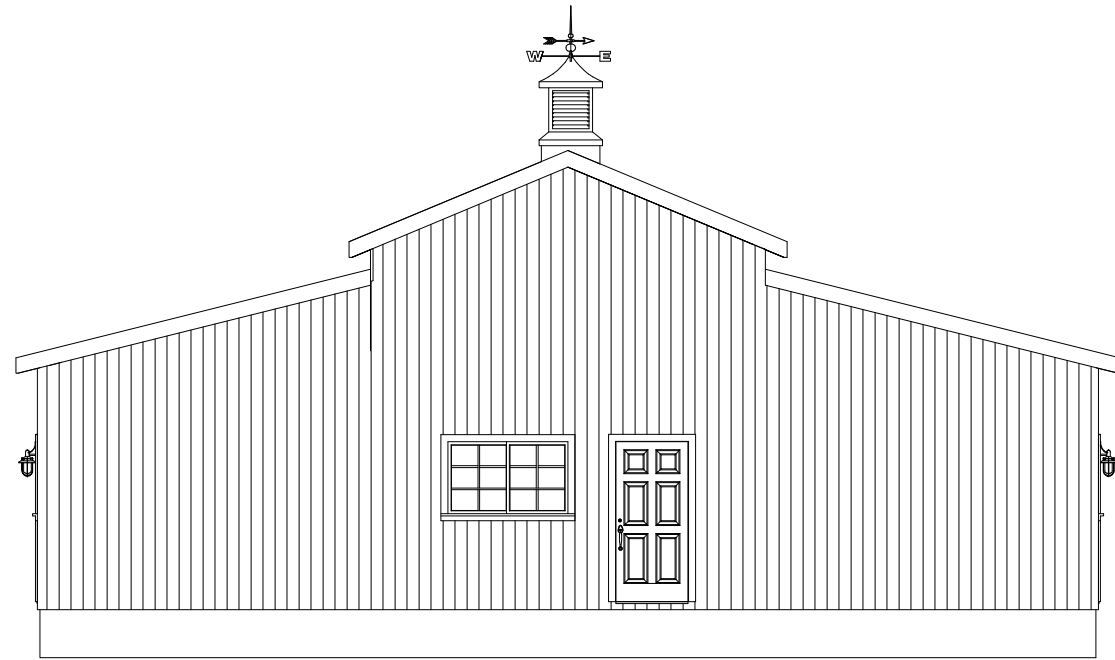
Page 1	Title Main Floor Plan
Page 2	Elevation Views
Page 3	Foundation Plan & Pictorials
Page 4	Framing and Details
Page 5	Detail Page
Page 6	Materials List

Residential Design

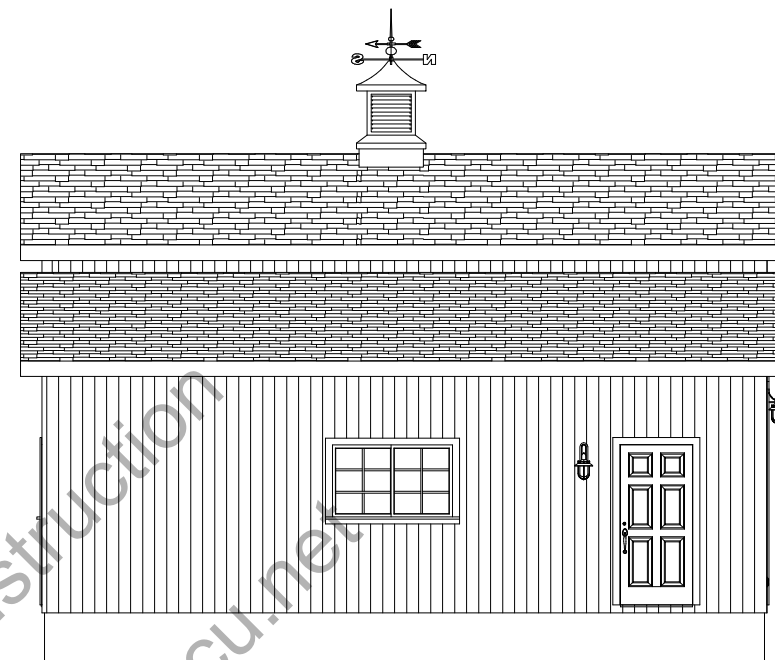
**SDS-CAD**  
Specialized Design Systems

P.O. Box 374 Meriden, Utah - www.sdscad.com - 435-759-1814 - john@plans.us

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 DATE \_\_\_\_\_  
 REVISIONS \_\_\_\_\_  
 JOB NO. \_\_\_\_\_  
 SHEET NO. **1**  
 OF **6**



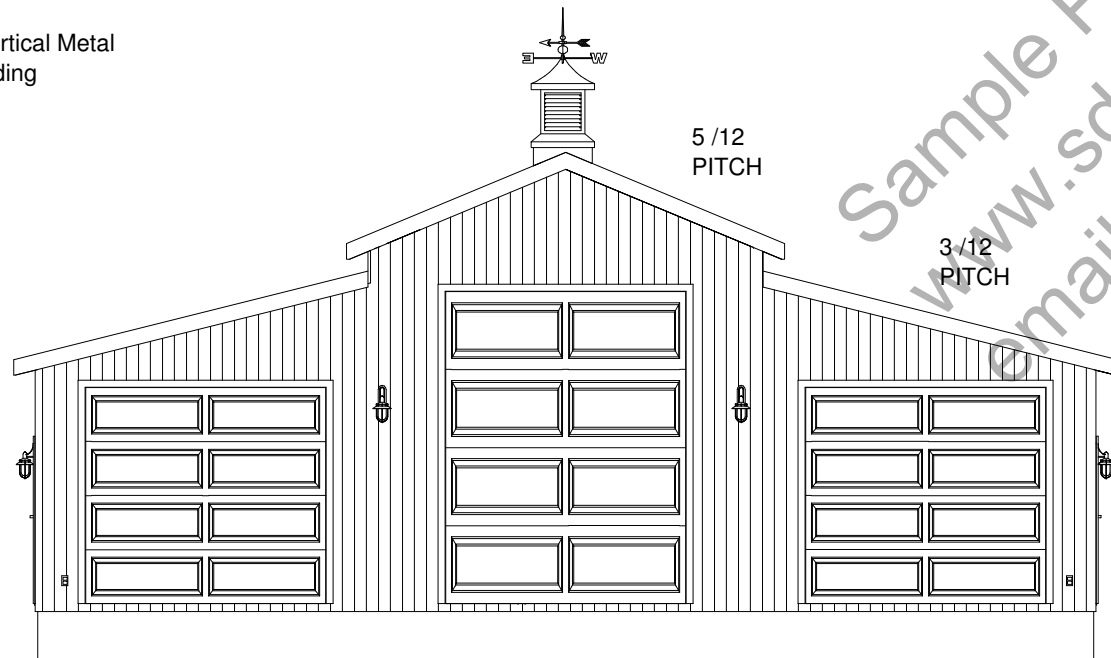
REAR ELEVATION



LEFT ELEVATION

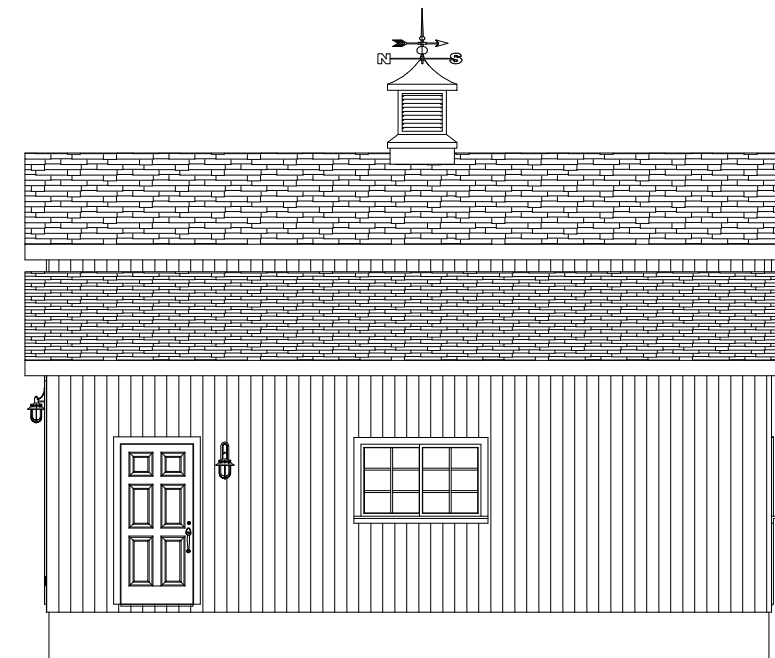
10' Tall 2 x 4 Walls  
Asphalt Shingles

Vertical Metal  
Siding



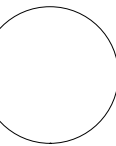
FRONT ELEVATION

SCALE  
1/8"=1'



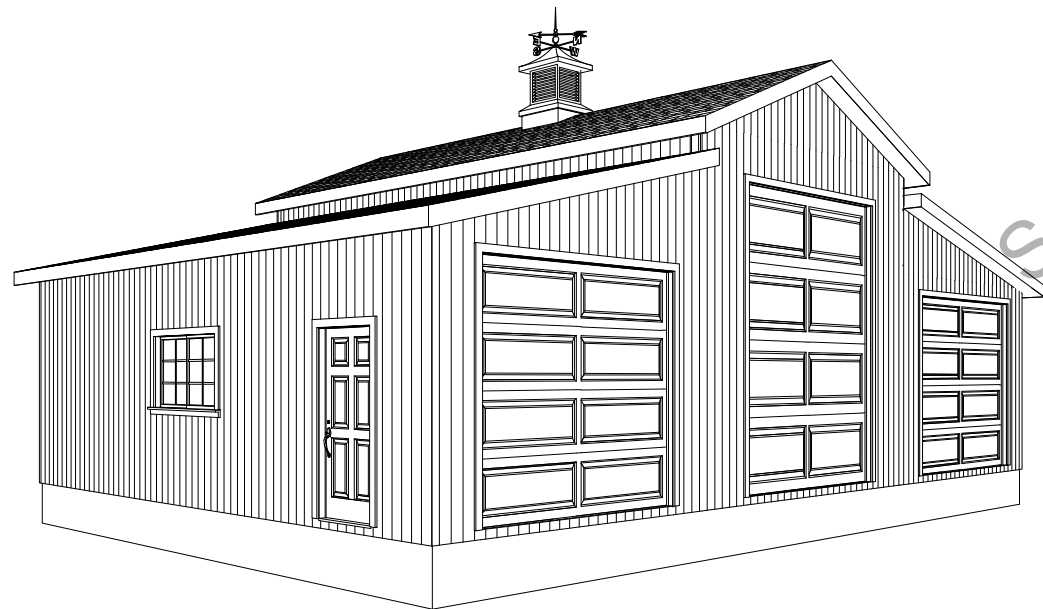
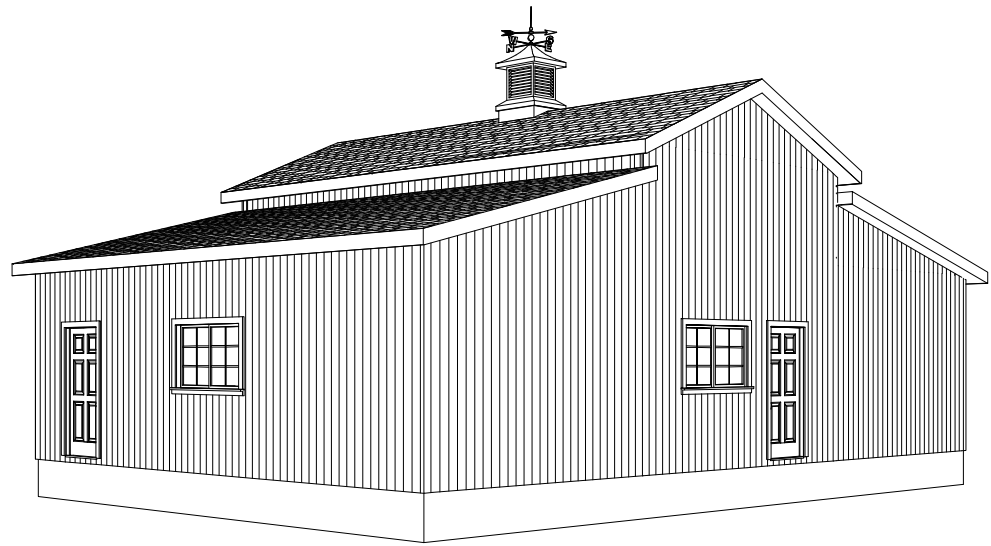
RIGHT ELEVATION

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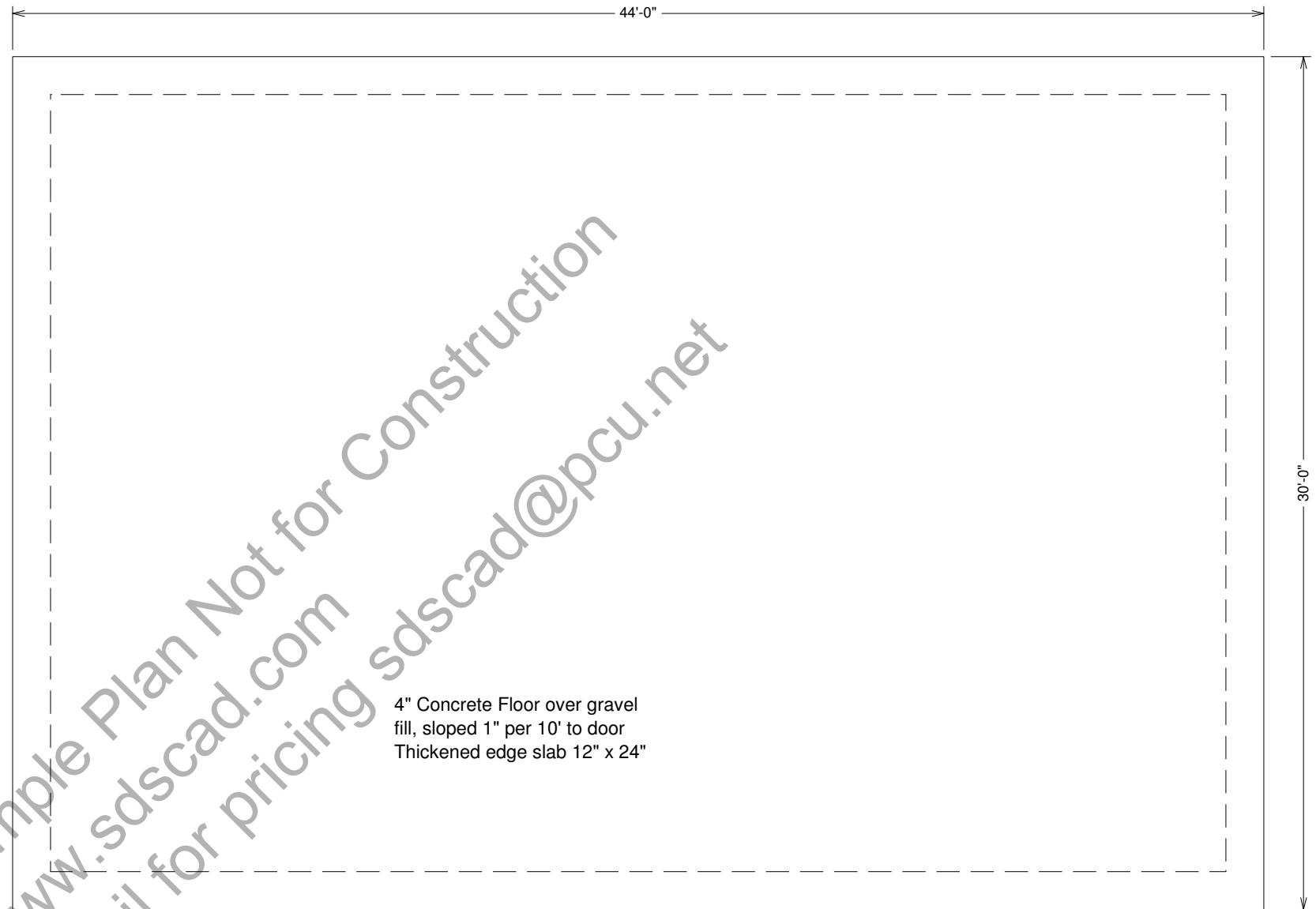


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SHEET NO.	2
OF	6



**PICTORIAL VIEWS**

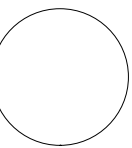


**FOUNDATION PLAN**

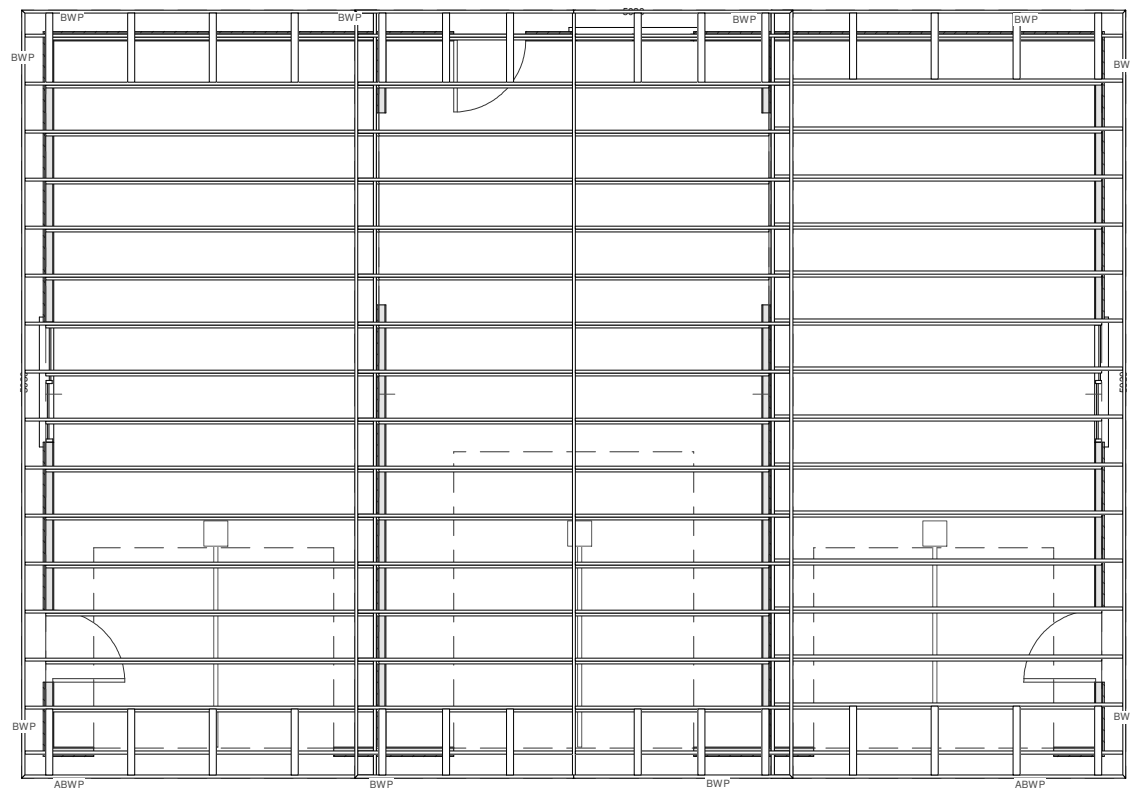
SCALE 3/16"=1'

**Concrete:**

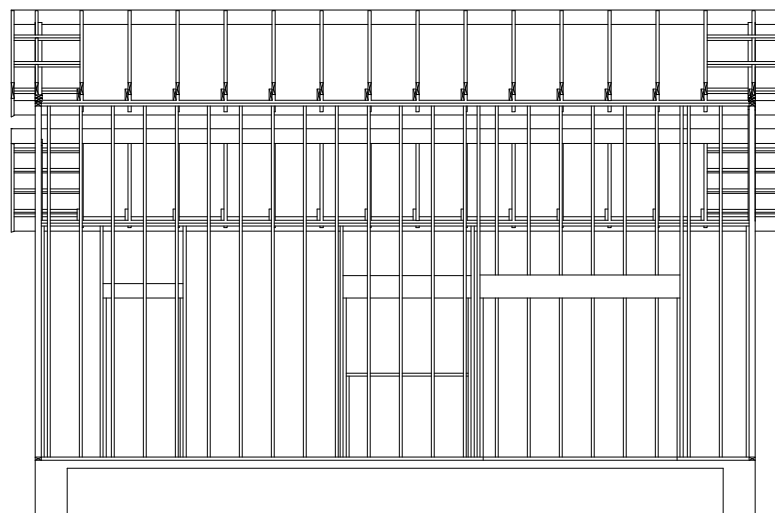
1. All slabs are to be 4" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days, 5" maximum slump.
3. Reinforcing to be ASTM A615-Bars with Fy=60 ksi and 3/8" diameter minimum at splices or weld per ACI Std.
4. Concrete design based 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.
6. All footings minimum 24" below final grade



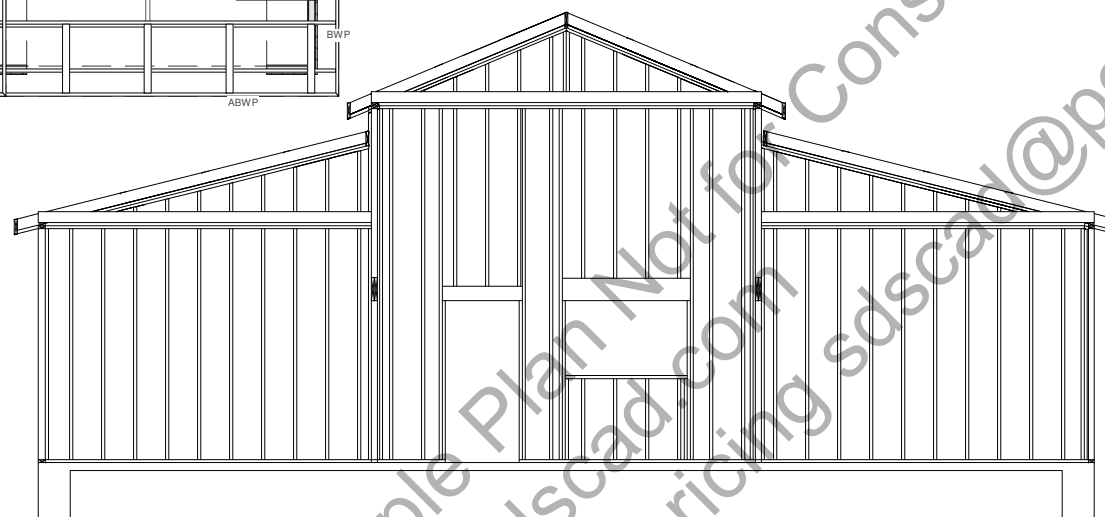
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GARAGE ROOF PRE-ENGINEERED TRUSSES AS SUPPLIED BY TRUSS MANUFACTURER 24" o.c.

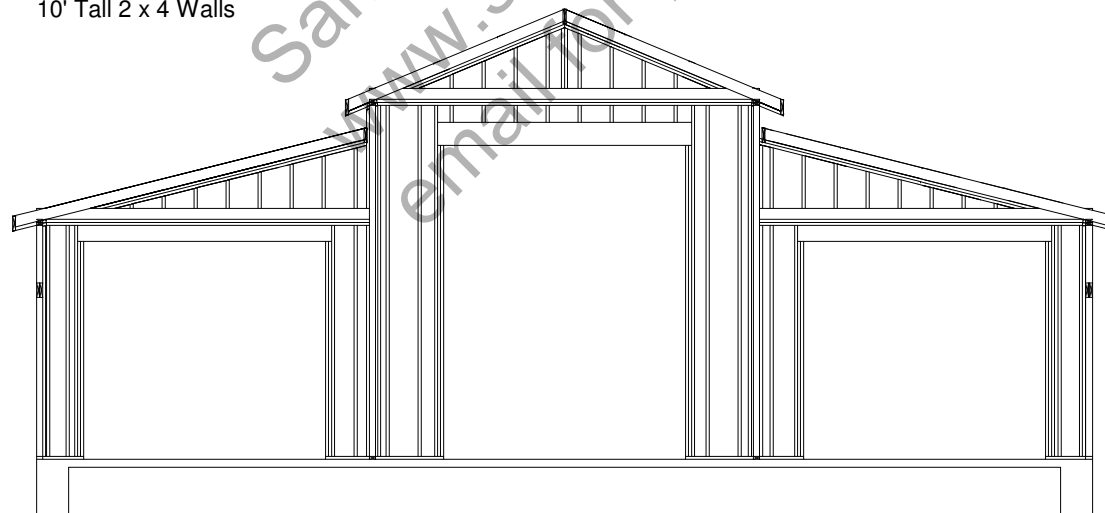


Cross Section

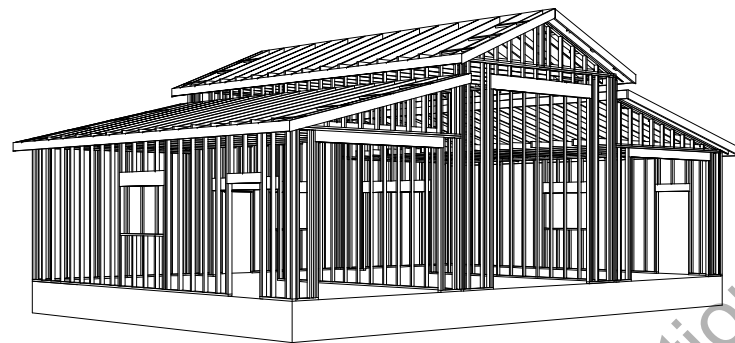


Back Wall

10' Tall 2 x 4 Walls



Front Wall



General framing: (Douglas Fir)

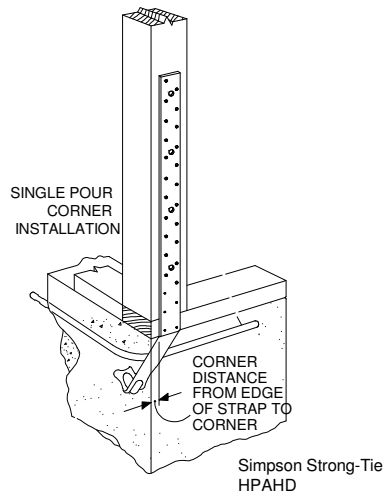
1. Minimum header sizes shall be according to the following table unless otherwise noted. Header sizes (single story construction)
  - 2'-0" to 4'-0" Span 2-2x4's
  - 4' + to 6'-0" Span 2-2x6's
  - 6' + to 8'-0" Span 2-2x8's
  - 8' + to 10'-0" Span 2-2x10's
  - 10' + to 12'-0" Span 2-2x12's or as noted on plan
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 7/16 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"x6" 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.
6. Shear wall to be 7/16" Sheathing, see detail.
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"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.
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.

# WALL FRAMING SECTIONS

SCALE 1/8"=1'



HPAHD straps for all (ABWP) Alternate Braced Wall Panels  
See additional detail for all (BWP) Braced Wall Panels

### TYPICAL ALTERNATE BRACED WALL PANEL (ABWP)

**NOTE: TYPICAL DETAILS FOR BASIC CONSTRUCTION PURPOSES AND BUILDING REQUIREMENTS. GARAGES TO BE BUILT AS PER LOCAL CODE REQUIREMENTS**

CDX PLYWOOD SHEAR WALL INSTALLED W/ LONG DIMENSION ACROSS STUDS. STAGGER VERTICAL JOINTS

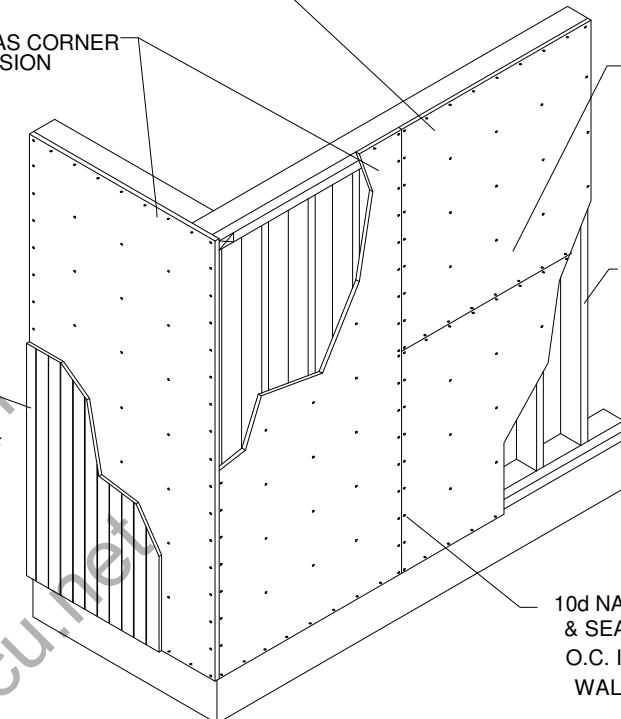
PANEL SHEATHING USED AS CORNER BRACING W/ LONG DIMENSION PARALLEL TO STUDS

LEAVE 1/4" GAP @ EDGES & 1/8" GAP @ ENDS UNLESS OTHERWISE RECOMMENDED BY MANUFACTURER

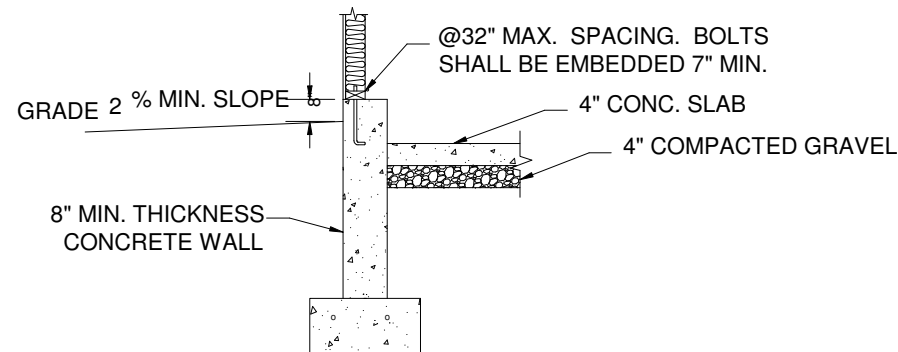
WALL FRAMING

SIDING MATERIAL STRUCTURAL PANEL CAN ACT AS SIDING IF OF EXTERIOR GRADE

10d NAILS @ 6" O.C. AT EDGES & SEAMS AND 10d NAILS @ 12" O.C. IN FIELD U.N.O. ON SHEAR WALL SCHEDULE

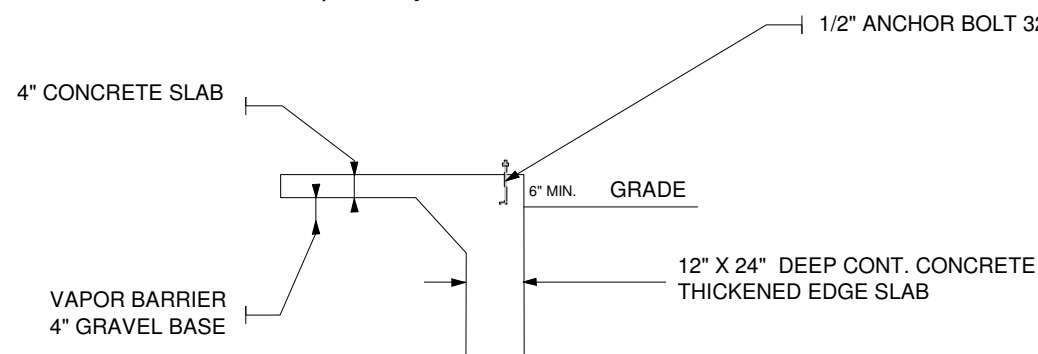


### TYPICAL BRACED WALL PANEL (BWP)

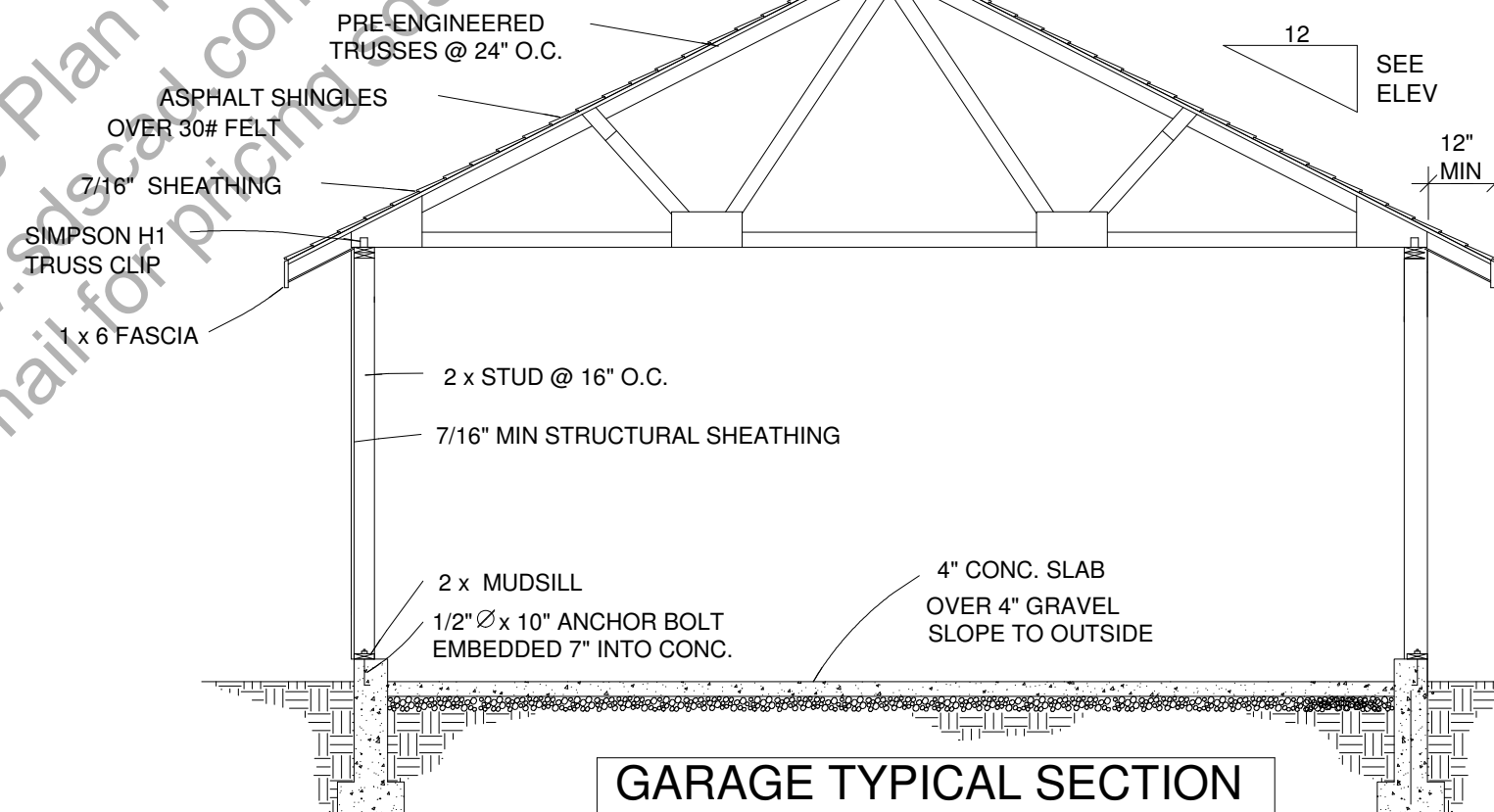


### Footing and concrete wall option

Bottom of footing to be a min of 24" below grade or as required by local code



### Monolithic slab foundation option



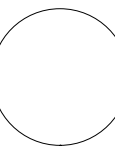
### GARAGE TYPICAL SECTION

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General							
GN1	1	180 high wall	Siding-4	147	0	ft	
GN2	1	120 high wall	Siding-4	60	0	ft	
GN3	1		heated ceiling area	1320.00	0.00	sq ft	
GN4	1		heated floor area	1320.00	0.00	sq ft	
GN5	2	20 5/16 high wall	Siding-4	27	0	ft	
GN6	2	5 5/8 high wall	Siding-4	59	0	ft	
							Subtotal:
Foundation							
FO1	1	1320 sq ft	concrete slab	16.29	0.00	cu yd	
FO2	1	1320 sq ft	steel mesh for slab	1320.00	0.00	sq ft	
FO3	1	1/2x6"	foam sill seal	148	0	ft	
FO4	1		foundation bolts	26	0		
FO5	1	16x20"h	concrete footing	11.74	0.00	cu yd	
FO6	1	no. 4	rebar (footing)	289	0	ft	
							Subtotal:
Subfloor							
SF1	1	2x6"-14'	ceiling joists - lumber	29	0		
SF2	1	2x6"-18'	ceiling joists - lumber	15	0		
							Subtotal:
Framing							
F1	1	2x7-16ft+	header - lumber	20	0	ft	
F2	1	2x3-16ft+	fir plate	540	0	ft	
F3	1	2x3"-115 1/2"	fir stud	61	0		
F4	1	2x3-16ft+	fir stud stock	422	0	ft	
F5	1	2x3"-175 1/2"	fir stud	59	0		
F6	1	2x3"-88 3/4"	fir stud	3	0		
F7	1	2x11-16ft+	header - lumber	32	0	ft	
F8	1	2x3"-28 3/4"	fir stud	3	0		
F9	1	2x8-16ft+	header - lumber	42	0	ft	
F10	1	2x12-16ft+	header - lumber	54	0	ft	
F11	1	2x3"-8 1/2"	fir stud	8	0		
F12	1	2x4-16ft+	fir plate	95	0	ft	
F13	1	2x4-16ft+	fir stud stock	52	0	ft	
F14	1	2x4"-115 1/2"	fir stud	21	0		
F15	1	2x4"-28 3/4"	fir stud	3	0		
F16	1	2x3"-84 1/2"	fir stud	12	0		
F17	2	2x4-16ft+	fir plate	172	0	ft	
F18	2	2x4-16ft+	fir stud stock	118	0	ft	
							Subtotal:
Siding							
S1	1	4'x8'x1/2"	Sheet Osb	52	0		
S2	1	7" wide	Red Metal Siding	2522	0	ft	
S3	1		house wrap	1676.00	0.00	sq ft	
S4	2	7" wide	Red Metal Siding	284	0	ft	
S5	2	4'x8'x1/2"	Sheet Osb	4	0		
							Subtotal:
Ext Trim							
EX1	0	4" thick	- concrete grey	30.39	0.00	cu yd	
EX2	1	1x5-36"	door threshold	3	0		
EX3	1	1x4-16ft+	ext. door casing - color white	52	0	ft	
EX4	1	5 in	ext. door jamb - color white	52	0	ft	
EX5	1	1x4-16ft+	exterior sill - color white	17	0	ft	
EX6	1	1x4-16ft+	ext. window casing - color white	36	0	ft	
EX7	1	1x4-16ft+	garage door casing - color white	96	0	ft	
EX8	1	5 in	garage door jamb - color white	96	0	ft	
EX9	1	1x5-96"	door threshold	2	0		
EX10	1	1x4-16ft+	ext. door casing	45	0	ft	
EX11	1	5 in	ext. door jamb	45	0	ft	
							Subtotal:

Roofing							
R1	1	2x8"-16'+	ridge board - lumber	96	0	ft	
R2	1	2x6"-16'	rafters - lumber	32	0		
R3	1	2x8"-32'	rafters - lumber	6	0		
R4	1	2x8"-16'	rafters - lumber	4	0		
R5	1	2x4"-16'+	rafters - lumber	78	0	ft	
R6	1	2x6"-10'	rafters - lumber	32	0		
R7	1	2x8"-12'	rafters - lumber	4	0		
R8	1	bend to slope	roof/wall flashing	60	0	ft	
R9	1		ridge cap	32	0	ft	
R10	1		Roofing Dimensional Comp.	1607.00	0.00	sq ft	
R11	1	4x8' sheets	roof sheathing	51	0		
R12	1	2x8"	gable fascia	100	0	ft	
R13	1	2x8"	eave fascia	192	0	ft	
R14	1		metal drip edge	292	0	ft	
							Subtotal:
Insulation							
IN1	1	12x24x48" batts	ceiling insulation	165	0		
IN2	1	12x16x48" batts	floor insulation	247	0		
							Subtotal:
Wall Brd							
WB1	1	4'x8'x1/2"	Sheet Sheetrock	80	0		
WB2	1	4'x8'x1/2"	Sheet Osb	28	0		
WB3	1	7" wide	Red Metal Siding	1575	0	ft	
WB4	1		Color Bone White	1253.00	0.00	sq ft	
WB5	1	4'x8'x3/4"	Sheet Sheetrock	40	0		
WB6	2	4'x8'x1/2"	Sheet Sheetrock	4	0		
							Subtotal:
Windows							
W1	1	60x36	right sliding	3	0		
Doors							
D1	1	36x80x1 3/4R	ext. 6-Panel - color white	2	0		
D2	1		handle: Lever (decorative)	3	0		
D3	1		handle: Exterior Handle (ext.)	3	0		
D4	1		lock: Dead Bolt (interior)	3	0		
D5	1		lock: Dead Bolt (exterior)	3	0		
D6	1		hinge: hidden	9	0		
D7	1	36x80x1 3/4L	ext. 6-Panel - color white	1	0		
D8	1	120x108	garage 2-Panel Garge Door	2	0		
D9	1	120x156	garage 2-Panel Garge Door	1	0		
							Subtotal:
Int Trim							
T1	1	1x4-16ft+	interior casing	134	0	ft	
T2	1	1x4-16ft+	window apron	17	0	ft	
T3	1	1x4-16ft+	sill	17	0	ft	
							Subtotal:
Fixtures							
FX1	1	12W113D	Garage Door Opener	3	0		
FX2	2	42W42D	Cupola (w/ weathervane)	1	0		
							Subtotal:
Electrical							
E1	1	wall mount	Duplex	17	0		
E2	1	wall mount	Single Pole	3	0		
E3	1	wall mount	Three Way	2	0		
E4	1	wall mount	Caged Lantern	4	0		
E5	1	wall mount	Duplex (weatherproof) - color light gra	2	0		
E6	1	ceiling mount	Half Dome Light - lighting grey	9	0		
							Subtotal:
							Total:

Computer Generated Materials List  
for reference only and gives  
approximated  
materials as per the 3D CAD model



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