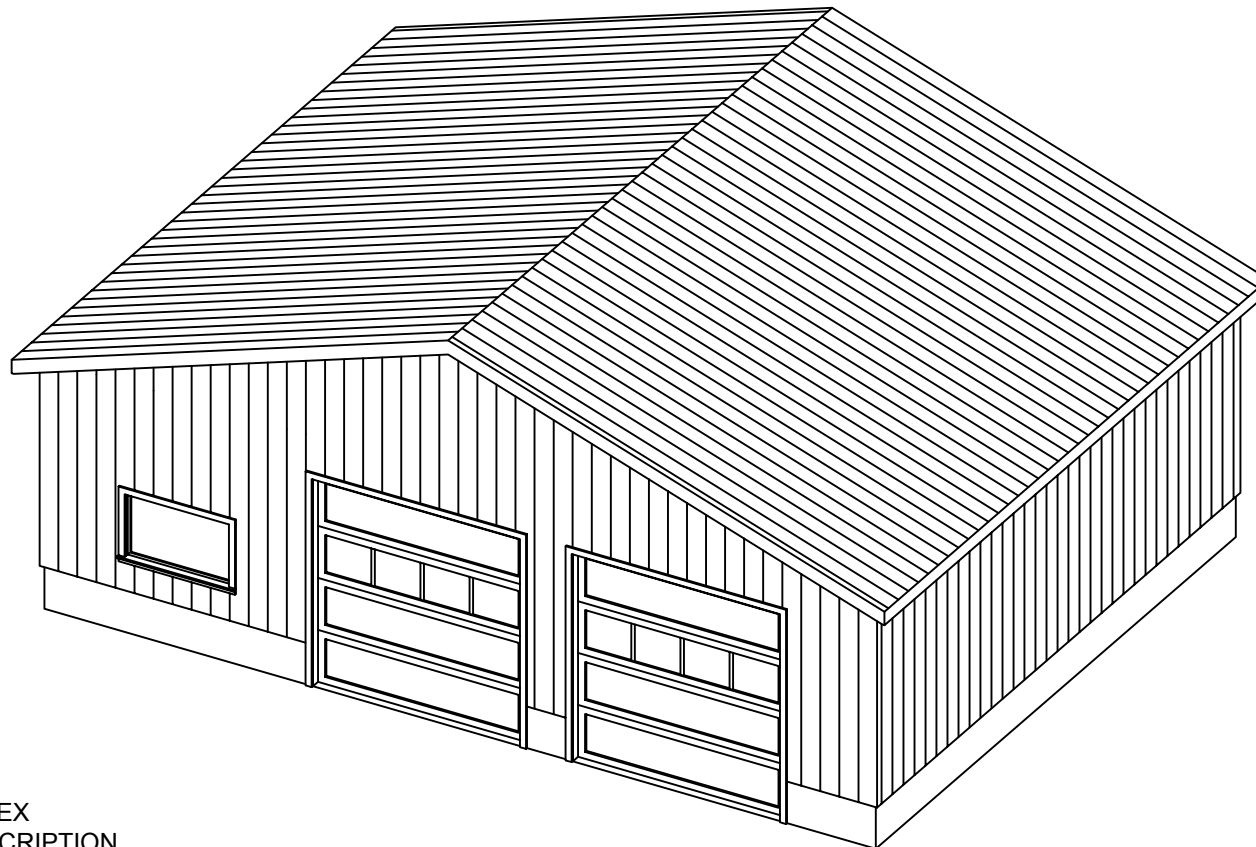


30'X40' 2 CAR GARAGE

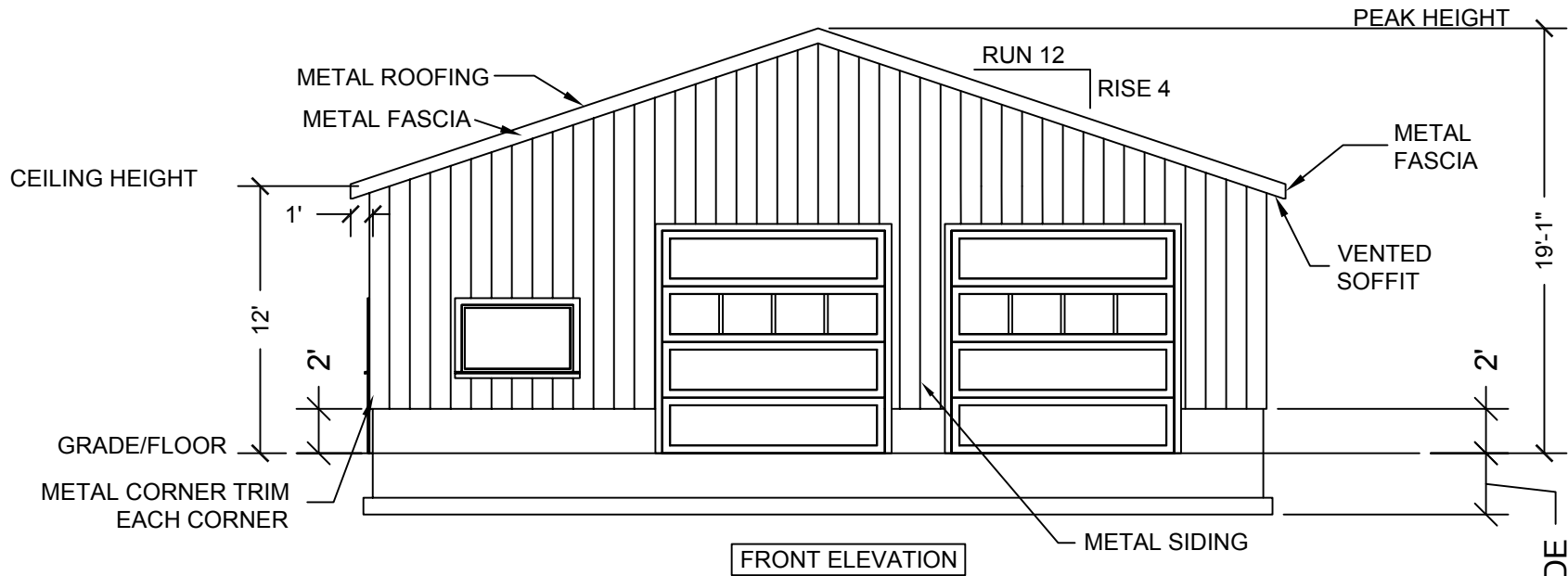


- 3' ENTRY DOOR
- 2 WINDOWS
- 2-10'X10' GARAGE DOORS
- SHOP SPACE
- 4" CONCRETE SLAB
- 12' WALLS
- 4/12 PITCH METAL ROOF
- METAL SIDING
- ELECTRICAL PLAN

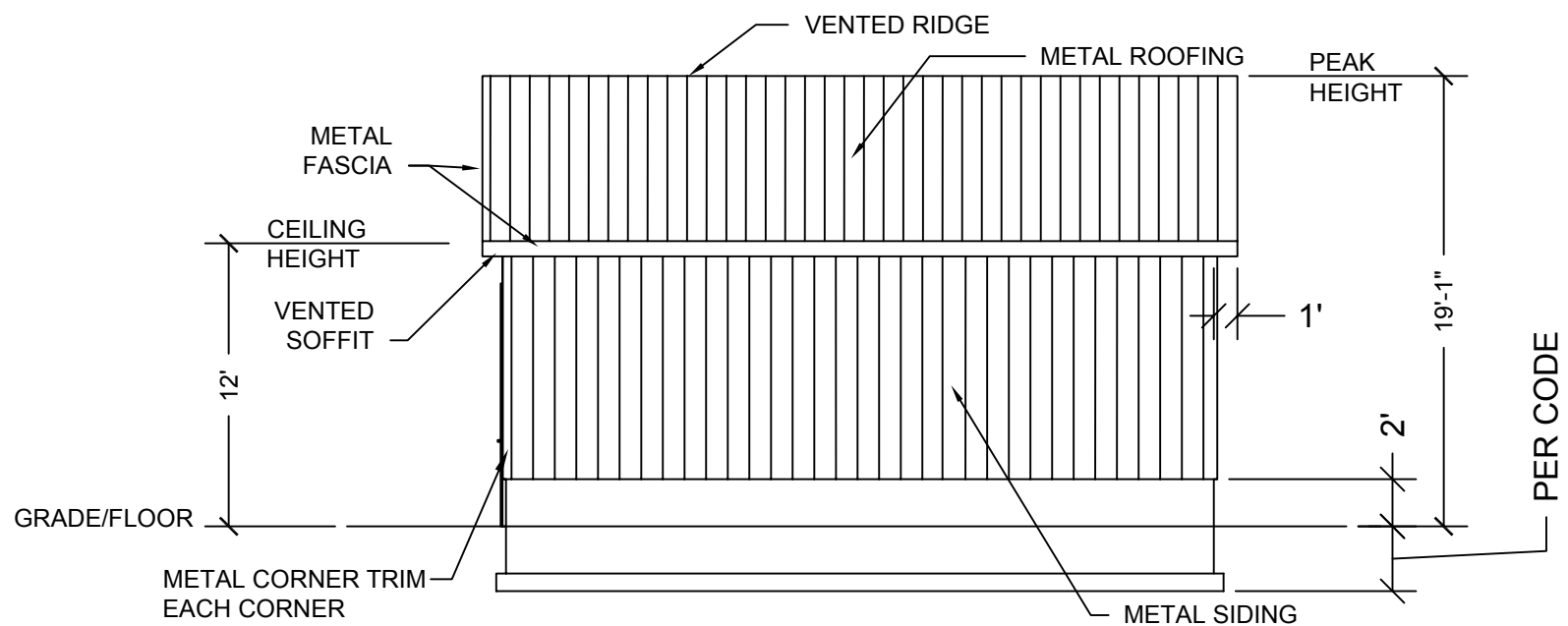


INDEX

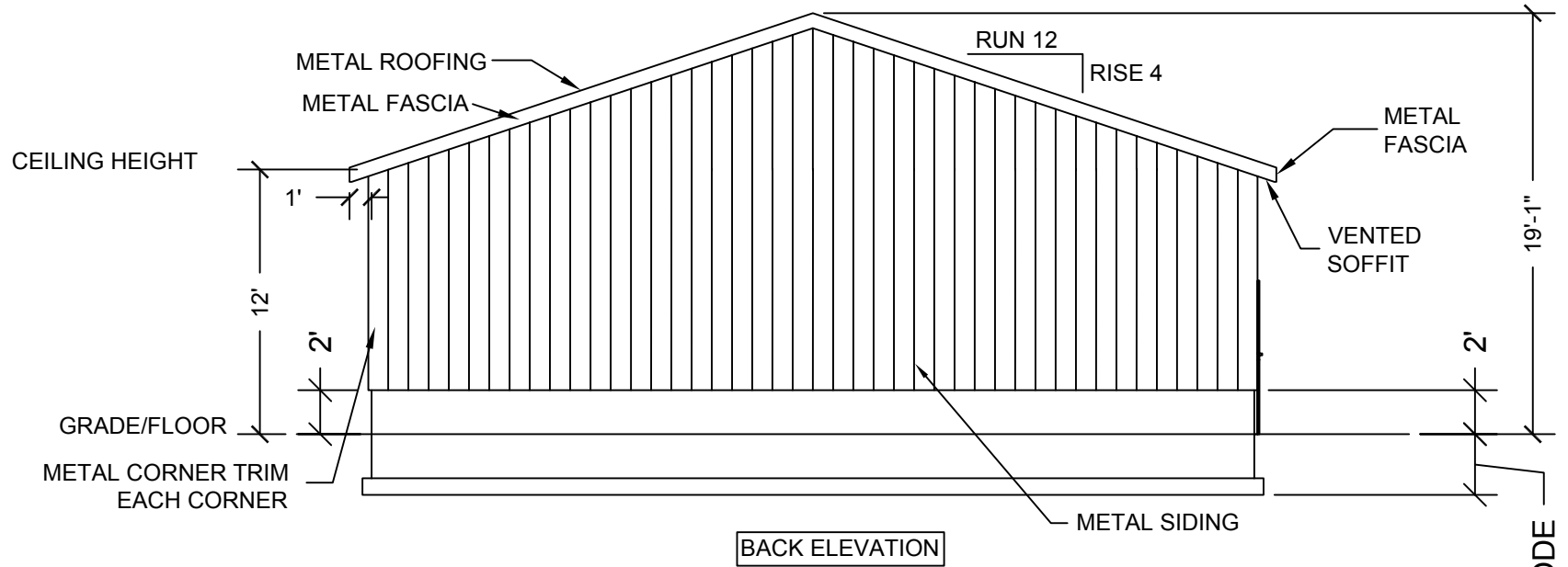
<u>PAGE DESCRIPTION</u>
FRONT & RIGHT ELEVATIONS
BACK & LEFT ELEVATIONS
FLOOR PLAN
FOUNDATION PLAN
SECTION A-A, H1 INSTALLATION
SECTION B-B
FRAME PICTORIAL, DOOR AND WINDOW SCHEDULE
SPECIFICATIONS
BILL OF MATERIALS



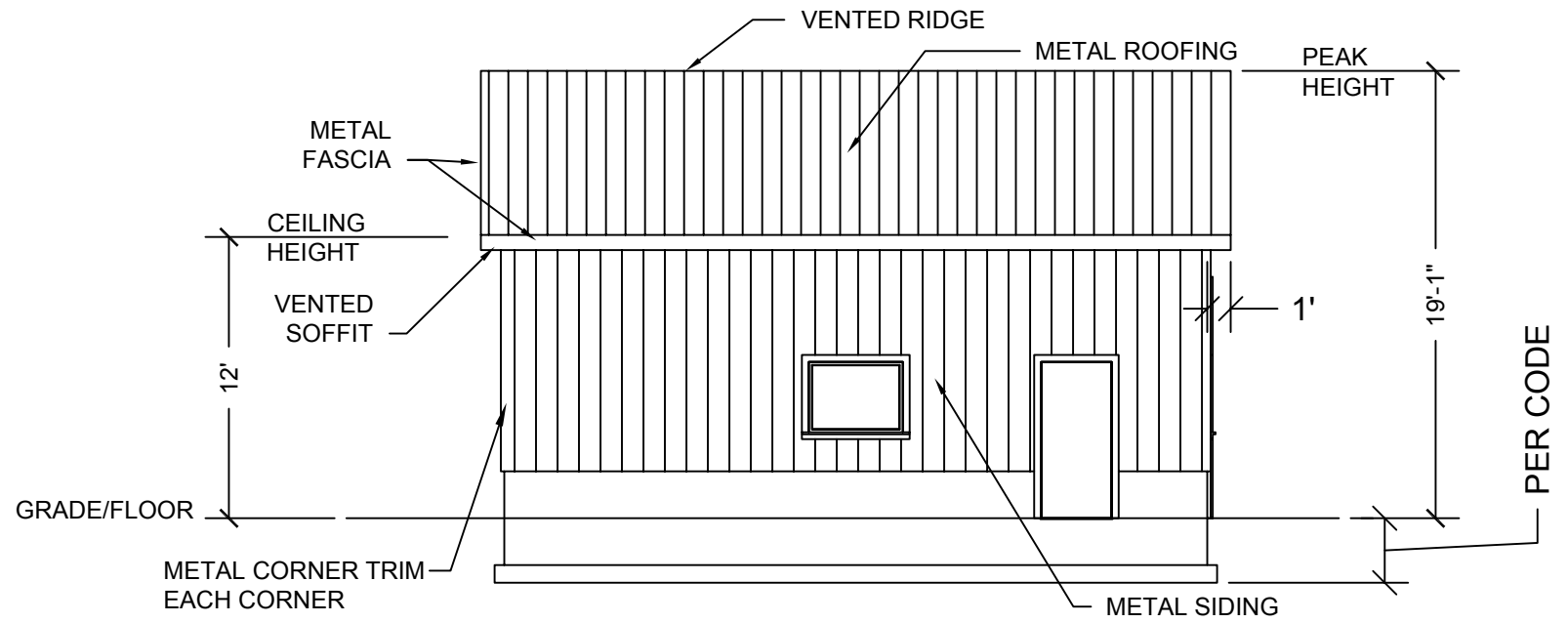
FRONT ELEVATION



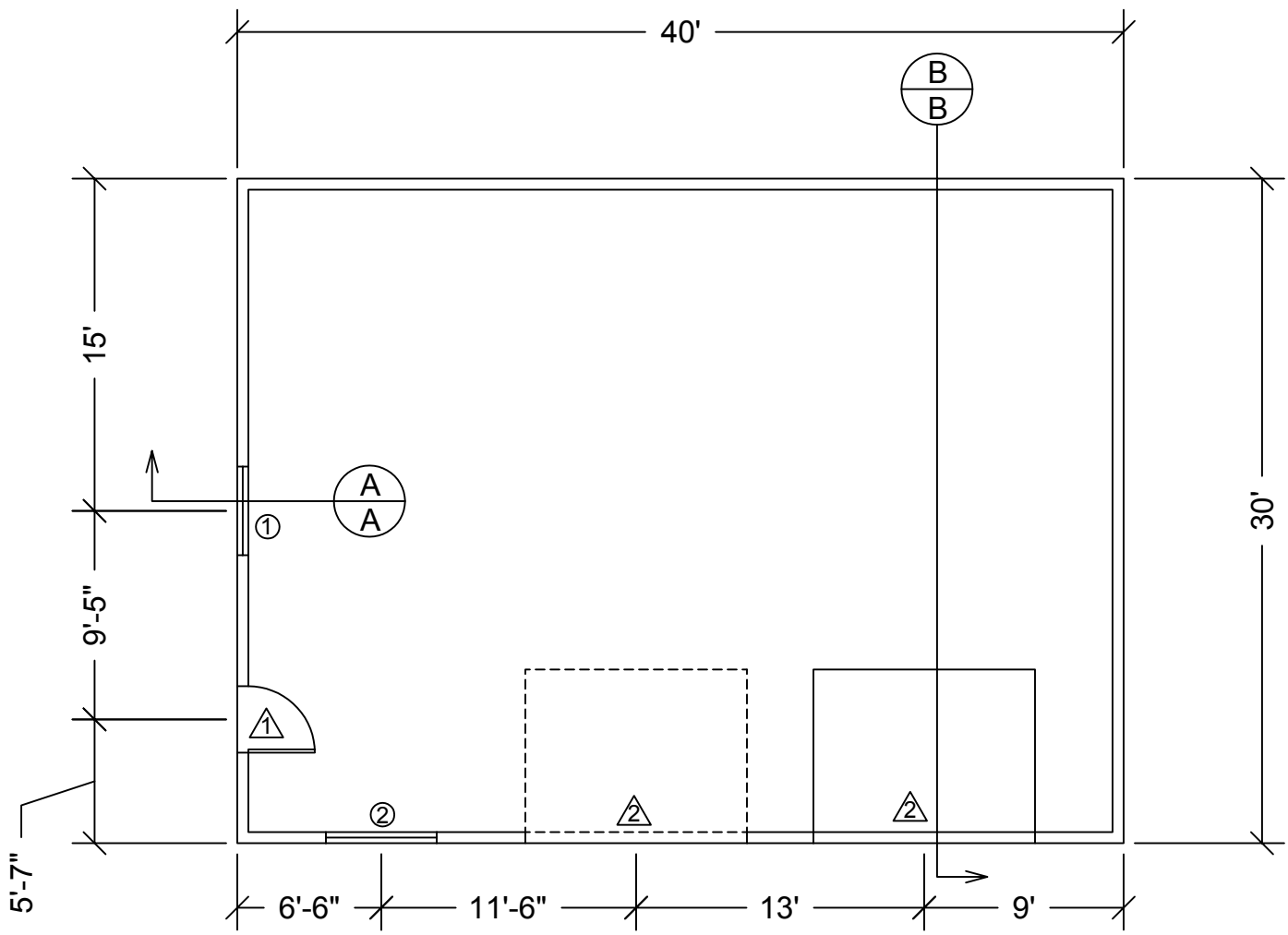
RIGHT ELEVATION

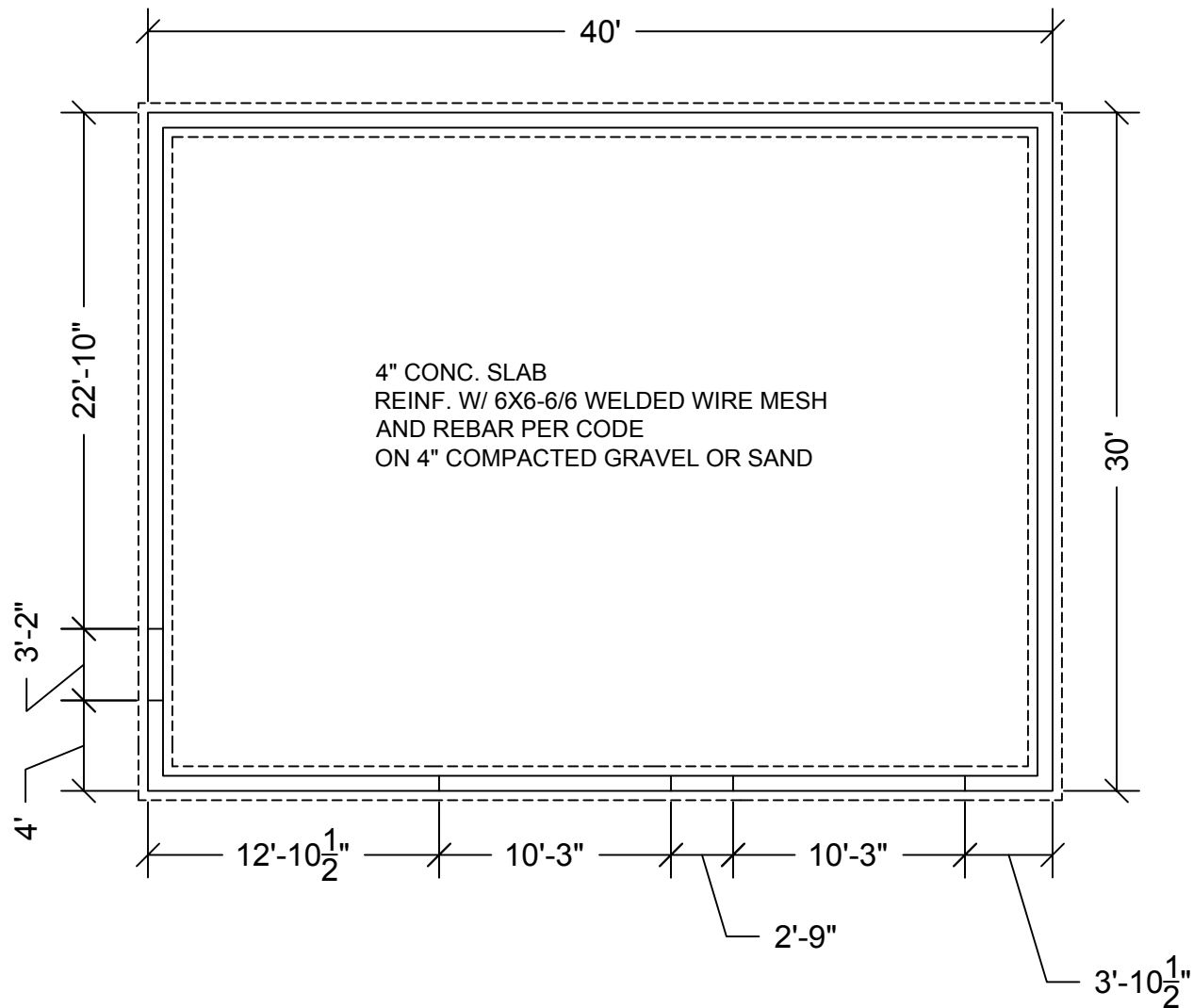


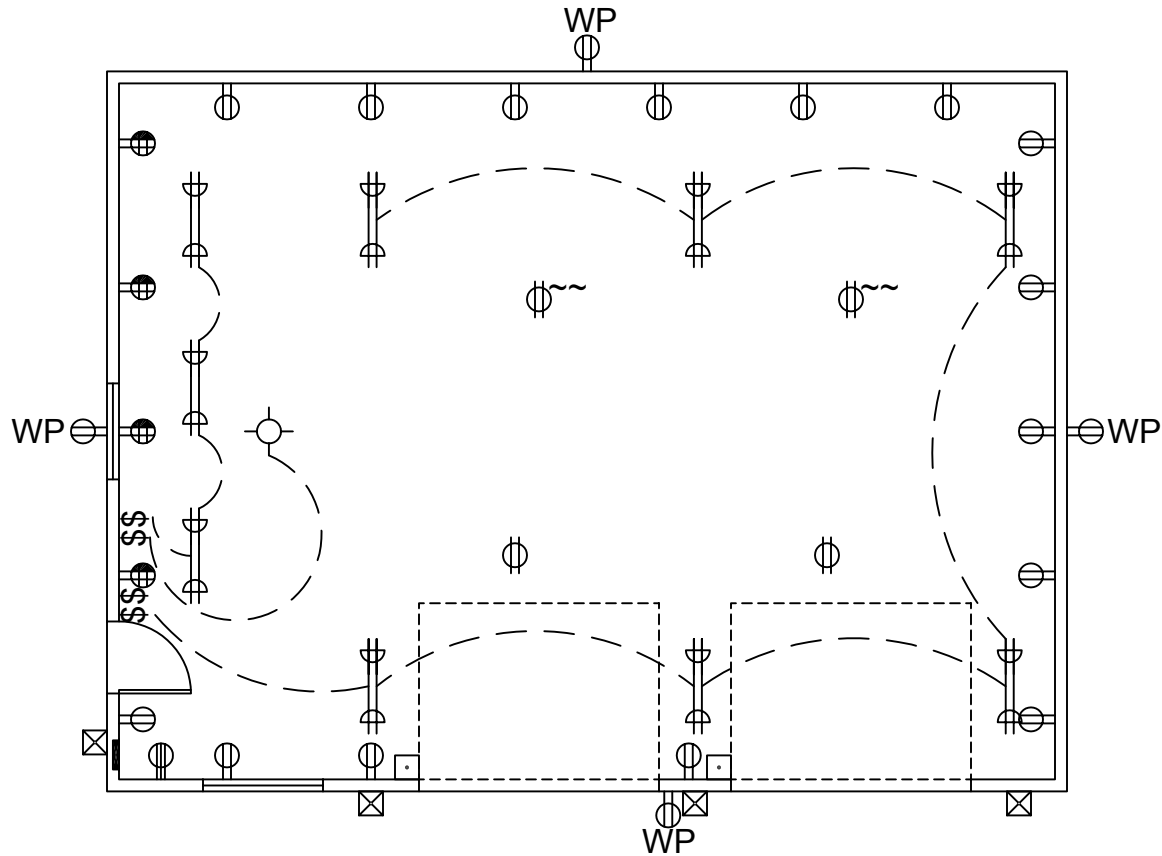
BACK ELEVATION



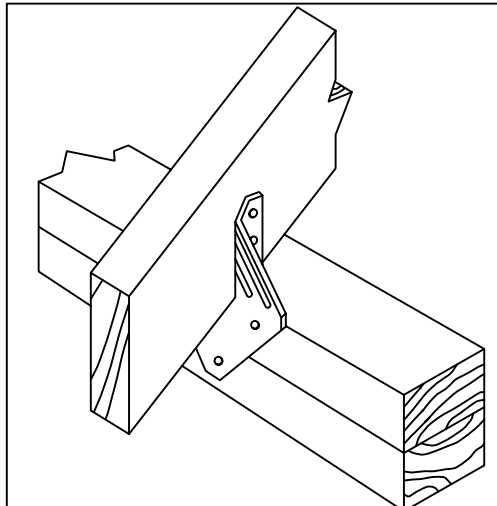
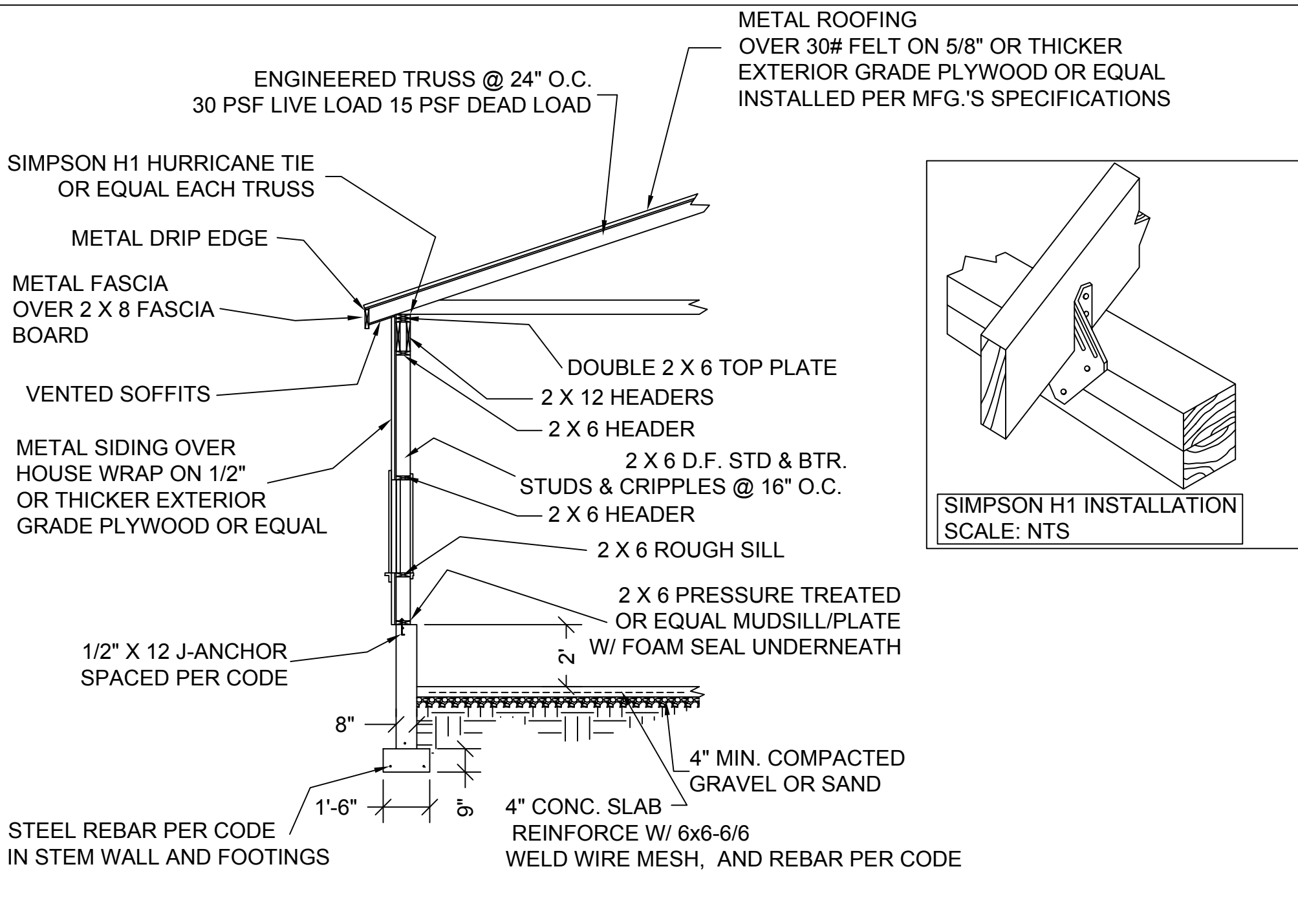
LEFT ELEVATION



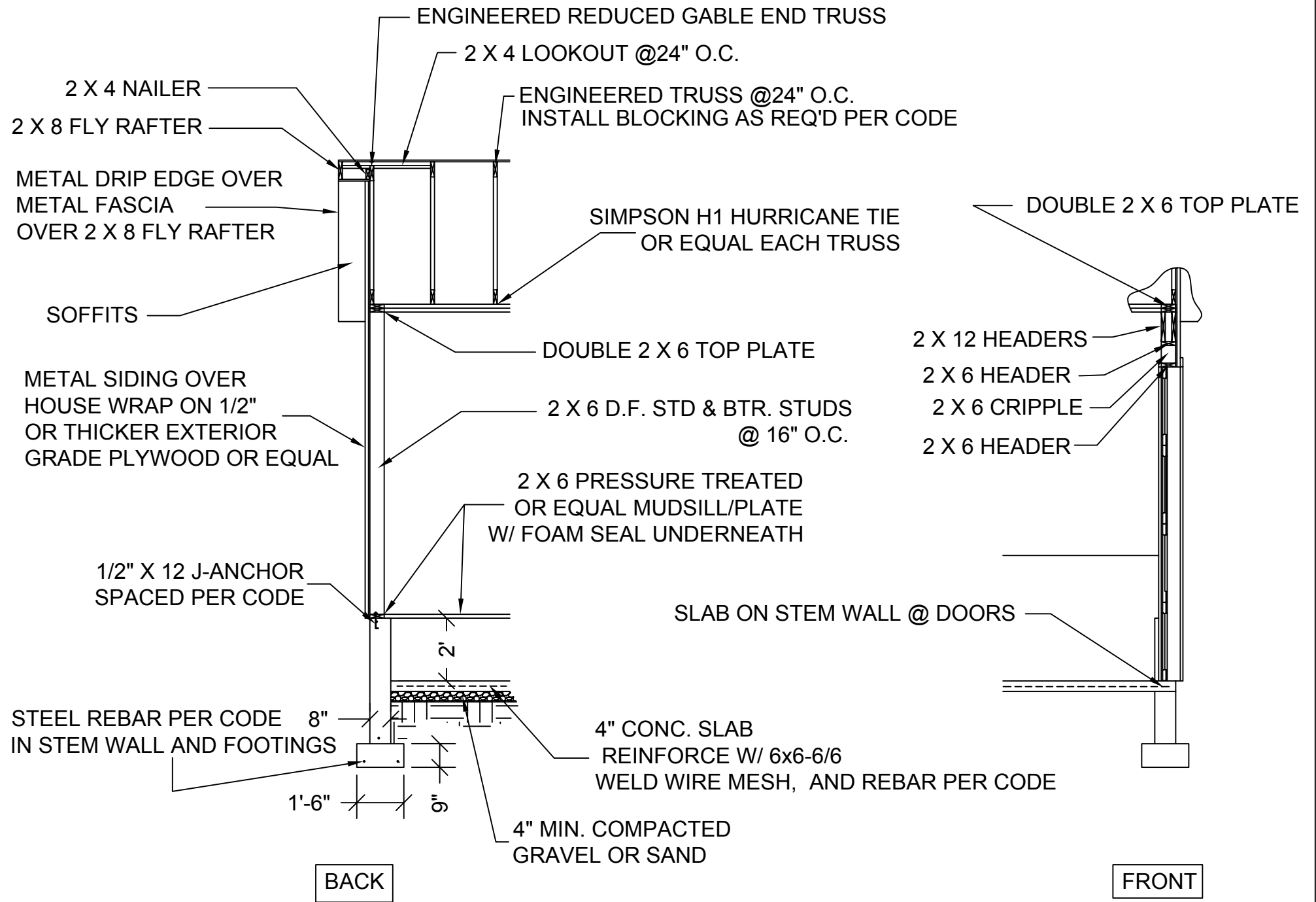


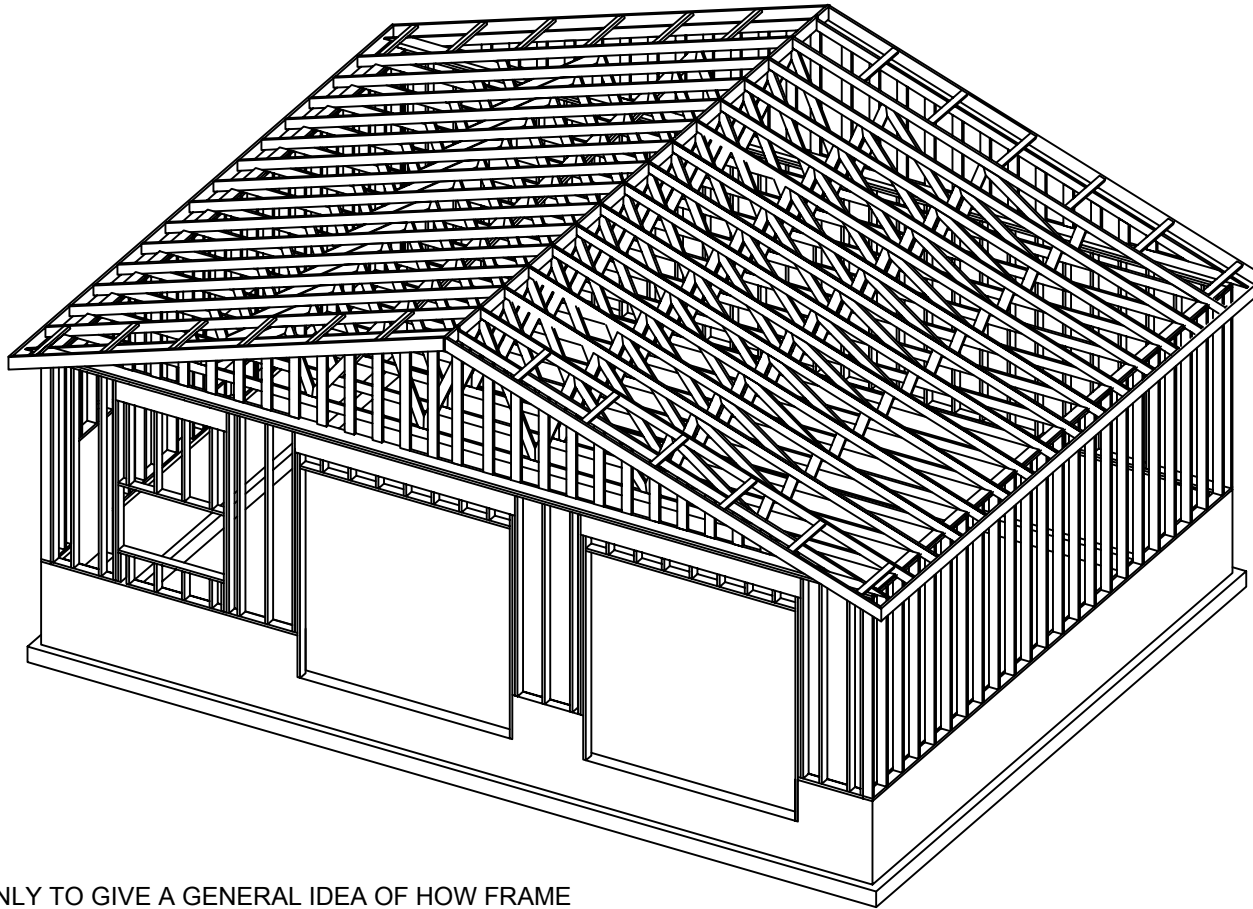


—	BREAKER BOX
⊕	110 VOLT OUTLET, SPLIT WIRED, QUADRUPLEX
⊕ WP	110 VOLT OUTLET, WEATHER PROOF
⊕	110 VOLT OUTLET
⊕	110 VOLT OUTLET, CEILING MOUNT
⊕ ~	110 VOLT OUTLET, CEILING DROP CORD
⊕	CEILING FAN/LIGHT
⊕	FLUORESCENT LIGHT
⊗	PORCH LIGHT
\$	LIGHT SWITCH
□	GARAGE DOOR OPENER SWITCH



SIMPSON H1 INSTALLATION
 SCALE: NTS





NOTE:
 FRAME PICTORIAL IS ONLY TO GIVE A GENERAL IDEA OF HOW FRAME PARTS FIT TOGETHER IT IS NOT AN ACTUAL REPRESENTATION OF THE FINISHED FRAME. USE THE DETAILED DRAWINGS FOR ACTUAL CONSTRUCTION INFORMATION.

DOOR AND WINDOW SCHEDULE

SYMBOL	SIZE	DESCRIPTION	QTY
①	3' X 6'-8"	EXTERIOR ENTRY DOOR	1
②	10' X 10'	SECTIONAL GARAGE DOOR	2
①	4' X 3'	WINDOW (OWNERS OPTION)	1
②	5' X 3'	WINDOW (OWNERS OPTION)	1

General Specifications and Notes

General:

1. Construction shall meet all applicable codes and ordinances.

Site Work:

1. Make sure setbacks are in compliance with those shown on plans and local building codes.
2. All stumps, roots, and organic matter shall be removed from the soil in the area of the building.
3. Lot must be graded to insure proper drainage. This must be completed prior to final inspection.
4. Soil should not be a highly expansive soil type without having a soil report performed by a soils engineer and receiving approval from local building department to construct building on said type soil.
5. Soil bearing capacity assumed to be 1500 psi at 2' below adjacent finished grade for design.
6. Bottom of footings shall be placed 30" minimum below existing grade and tops of stems shall be 10" minimum above finished grade or per code if greater.

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 lap 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.

Roof Framing:

1. Fascia to be 2"x8" Douglas Fir per detail sheet unless otherwise specified.
2. For soffit size see detail sheet.

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 unless otherwise specified.
6. Solid blocking required between joists, rafters, and trusses. Such blocking shall be 1 1/2" minimum thickness and full depth of joists, rafters, or trusses.
7. Minimum header sizes shall be according detail sheet.
8. Basis of design roof live/snow load of 30 psf, and roof dead load of 15 psf.
9. Plywood roof decking to be 5/8" thick, 24/0, CDX or equal wafer unless otherwise specified.

Woods:

General framing: (Douglas Fir)

1. 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, 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 unless otherwise specified.
6. Shear wall to be 1/2" CDX plywood.
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.
13. Use pressure treated lumber or redwood any place wood contacts concrete or is closer than 8" to the soil.

Thermal and Moisture Protection:

1. Metal roofing over Type 30 felt over 5/8" minimum CDX plywood or equal wafer board installed per manufacturer's instructions.
2. Install caulking compound at all penetrations in building envelope, i.e., holes drilled in top plates around windows, doors, and service entrance panel.
3. Cover the building exterior walls with house wrap.
3. Wrap all framing at exterior wall penetrations with a layer of water and ice shield to prevent damage from moisture.

Doors, Windows, and Glass:

1. All exterior doors to be solid core.

BILL OF MATERIALS

ID	Size	Item	Count	Un
GN1	48 high wall	Foundation 8" Concrete Stem Wall	138	ft
GN2	120 high wall	Metal Siding	139	ft
GN7	78 13/16 high wall	Metal Siding	79	ft
FO1	8" thick	Concrete Concrete	13.57	cuyd
FO2	2x6"	treated mud sill	138	ft
FO3	1/2x6"	foam sill seal	138	ft
FO4		foundation bolts	29	
FO5	18x9"h	concrete footing	5.72	cuyd
FO6	no. 4	rebar (footing)	299	ft
FO7	no. 4	horiz. rebar (wall)	1493	ft
FO8	no. 4	vert. rebar (wall)	560	ft
FO9	1108 sq ft	concrete slab	13.68	cuyd
FO10	1108 sq ft	steel mesh for slab	1108	sqft
F1	2x6-16ft+	fir plate	424	ft
F2	2x6"-115 1/2"	fir stud	99	
F3	2x6"-52 3/4"	fir stud	2	
F4	2x6-16ft+	fir stud stock	13	ft
F5	2x7-16ft+	header - lumber	16	ft
F6	2x6"-8 1/2"	fir stud	16	
F7	2x12-16ft+	header - lumber	43	ft
F8	2x11-16ft+	header - lumber	11	ft
F9	2x6-16ft+	fir stud stock	259	ft
F10	2x6-16ft+	fir plate	236	ft
S1	36" wide	Metal Siding	477	ft
S2	4x8x1/2	Sheet Plywood	53	
S3		house wrap	1380	sqft
EX1	1x7-36"	door threshold	1	
EX2	1x4-16ft+	ext. door casing	18	ft
EX3	7 in	ext. door jamb	18	ft
EX4	1x4-16ft+	exterior sill	11	ft
EX5	1x4-16ft+	ext. window casing	24	ft
EX6	1x4-16ft+	garage door casing	63	ft
EX7	7 in	garage door jamb	63	ft
R1	TR-1	reduced gable end roof truss	2	
R2	TR-0	roof truss	14	
R3	2x8"-16'+	ridge board - lumber	31	ft
R4	2x8"-32'	rafters - lumber	2	
R5	2x8"-23'	rafters - lumber	4	
R6	4x2"-16'+	rafters - lumber	68	ft
R7		ridge vent	32	ft
R8		ridge cap	32	ft
R9		Roofing Metal	1417	sqft
R10	4x8' sheets	roof sheathing	45	
R11	2x8"	gable fascia	89	ft
R12	2x8"	eave fascia	64	ft
R13		metal drip edge	153	ft
W1	48x36	window	1	
W2	60x36	window	1	

CONTINUED NEXT PAGE

D1	36x80x1 3/4R	ext. door hinged	1
D2	120x120	garage door	2
T1	1x2-16ft+	interior casing	40 ft
T2	1x2-16ft+	window apron	10 ft
T3	1x2-16ft+	sill	10 ft

Warning:

This is a computer generated estimate of the materials needed. It is not to be construed as an accurate or complete list of materials. For a more accurate list of materials needed, you will have to calculate it by hand.