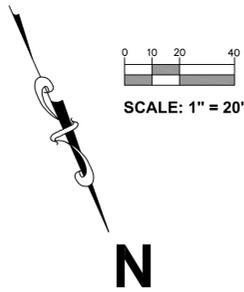


TOPOGRAPHIC SURVEY & SITE PLAN for Accessory Structure - Garage

Situated in the City of Hudson, County of Summit and State of Ohio: And known as being part of Original Hudson Township Lot 37.

GARAGE DETAIL: 2:1



CONSTRUCTION NOTES:

1. The contractor must verify all foundation dimensions and proposed grades shown on this plan. Any errors resulting from failure to check or to notify the surveyor of any changes shall not be the responsibility of Apex Land Surveying.
2. All grades shall comply w/corresponding government office.
3. All swales must maintain a minimum slope of 1%.
4. Maintain positive yard drainage away from house.
5. Contractor to notify utilities protection services/ OUPS prior to construction.
6. Contractor shall verify location and depths of existing laterals & verify if proper connections can be made to house. Contact corresponding government office if discrepancies occur.
7. All sewer connections must maintain a minimum slope of 1%.
8. A foundation sump pump is required.
9. Silt fence must surround any excavation areas so that no silt escapes site.
10. There was no search for easements of record, right-of-ways, restrictive covenants, encumbrances, ownership title evidence, or any other facts that a title search may disclose.
11. All work shown on this plan is assumed existing, unless noted otherwise.

J. & S. Wooley
P.N. 30-01415
2084 Ravenna St.
Doc. #563450660
6.0864 Acre (Cordi Survey)

J.J. Witherspoon
P.N. 30-01503
2118 Ravenna St.

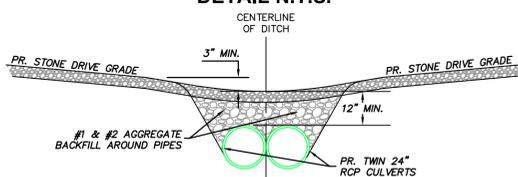
P.B. & D.A.
Proudfoot
P.N. 30-02893
2106 Ravenna St.

D.R. & M.E.
Leonard
P.N. 30-01416
2096 Ravenna St.

M.P. & P.S.
LeVasseur
P.N. 30-05969
2078 Ravenna St.

- ### LEGEND
- - - - - Ex. Contour
 - - - - - Ex. Tree Line
 - ~ ~ ~ ~ ~ PR. CLEARING
 - - - - - Ex. SILT FENCE
 - Ex. Grade
 - PR. DRAINAGE
 - ✕ — TREE TO BE REMOVED
 - ⊙ — PR. CONST. ENTRANCE
- Ex. = Existing PR. = PROPOSED
- ⊙ — Ex. San/Strm. MH.
 - ⊠ — Ex. Pedestals
 - ⊕ — Ex. Hydrant
 - — Iron Pin Fnd./Set
 - ⊙ — Iron Pipe Fnd.
 - — Mon. Fnd.

DITCH CROSSING/ CULVERT DETAIL N.T.S.



TITLE: TOPO & SITE PLAN	DATE: 02.27.2022
SCALE: 1" = 20'	DRAWN BY: L BEVERLY
SHEET SIZE: 22" X 34"	SHEET: 1 OF 1



Superb Pole Barns, LLC Residential
9517 Trail Bottom Rd NW Dundee, OH 44624
Business: 330-231-9347 Fax: none
Sales Associate: Firman Nisley

Building Specifications

Building Width 30'
Building Length 56'
Building Height 14'
Eave Overhang 12 in.
Gable Overhang 12 in.
Pitch of Roof 4 in./12
Style of Building Post Frame

Customer Name Jeff Woolley
Customer Address 2084 Ravenna Rd Hudson, OH 44236
Customer Phone Call 419-618-6090
Estimate Number 6134
Date of Estimate 2/24/2022 This quote is good for 7 days.

powered by Symun Systems, Inc. www.symun.com

Note: The reports, elevations, diagrams, and drawings included in this estimate are not architectural blueprints. The builder is responsible for structural integrity, proper usage of materials, and adhering to local building codes. Always be sure to verify the materials and drawing packet with your local building inspector, engineer, or architect. Every effort has been made to create accurate and detailed drawings and reports. However, due to the number of combinations of materials that can be used, there exists the possibility for errors. This packet is an estimate and should be reviewed by the builder before starting the project. Symun Systems, Inc accepts no responsibility for engineering, building codes violations, or the structural integrity of the building.

QUOTATION FOR:

Jeff Woolley
2084 Ravenna Rd
Hudson, OH 44236
419-618-6090

CONTACT:

Firman Nisley
9517 Trail Bottom Rd NW
Dundee, OH 44624
330-231-9347

CONSTRUCTION:

Post Frame

DIMENSIONS:

30' X 56' X 14'

SPECIFICATIONS FOR 30' X 56' X 14' POST FRAME PACKAGE:

• **MATERIAL PACKAGE**

- Pre-Engineered Wood Trusses (4/12 Pitch, 4' O/C)
- 4.5 x 5.5 Laminated 3 Ply Eave Posts (8' O/C)
- 4.5 x 5.5 Laminated 3 Ply Gable Posts (10' O/C)
- 2 x 8 Treated T&G Skirt Boards (2 Rows)
- 2 x 4 Wall Girts (24" O/C) and Roof Purlins (24" O/C)
- 2 x 10 Double Top Girt Truss Carrier
- 1/4" Ply-Foil P F S 4125 Single Bubble Foil Insulation on Roof
- Bright White Rib Steel Siding w/ 40 -Year Paint Warranty
- Black Rib Steel Roof w/ 40 -Year Paint Warranty
- Bagged Concrete Mix per Post Hole

• **DOORS & WINDOWS**

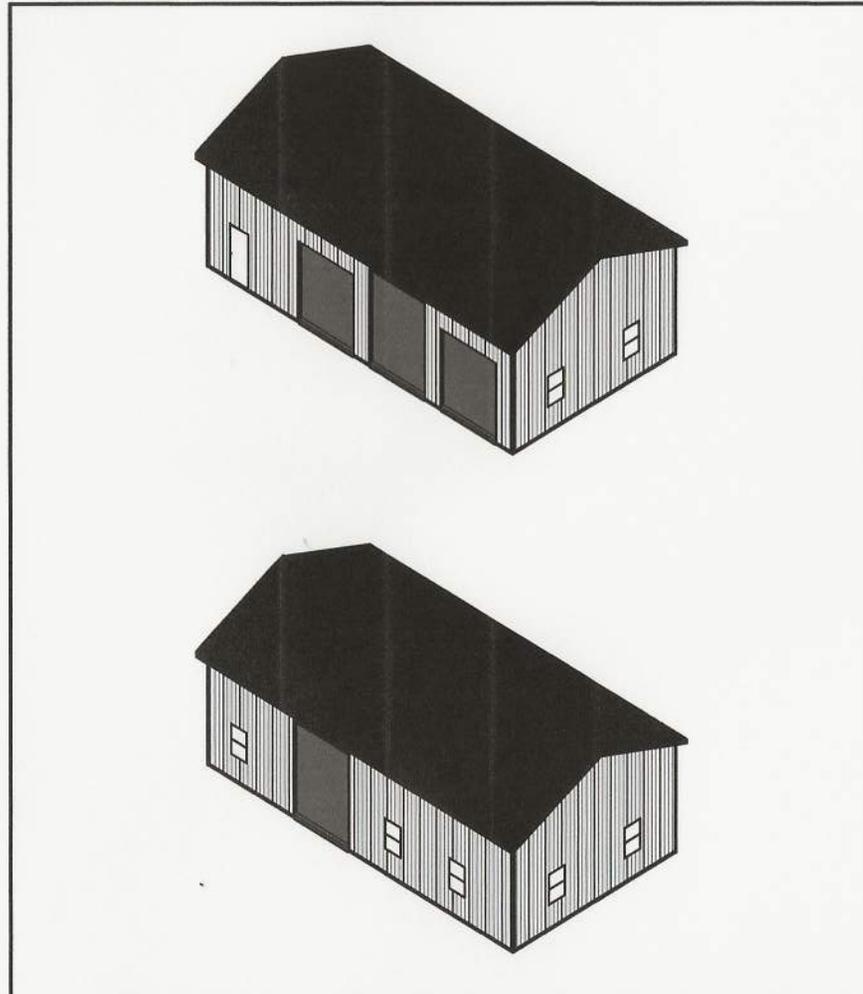
- Two 10' X 10' General Openings
- Two 10' X 12' General Openings
- One 3' Flush Entry Door
- Seven Silverline 3' x 4' Single Hung Windows

• **12" OVERHANG ON ALL SIDES W/ VENTED ALUM. SOFFIT**

• **FASTENERS**

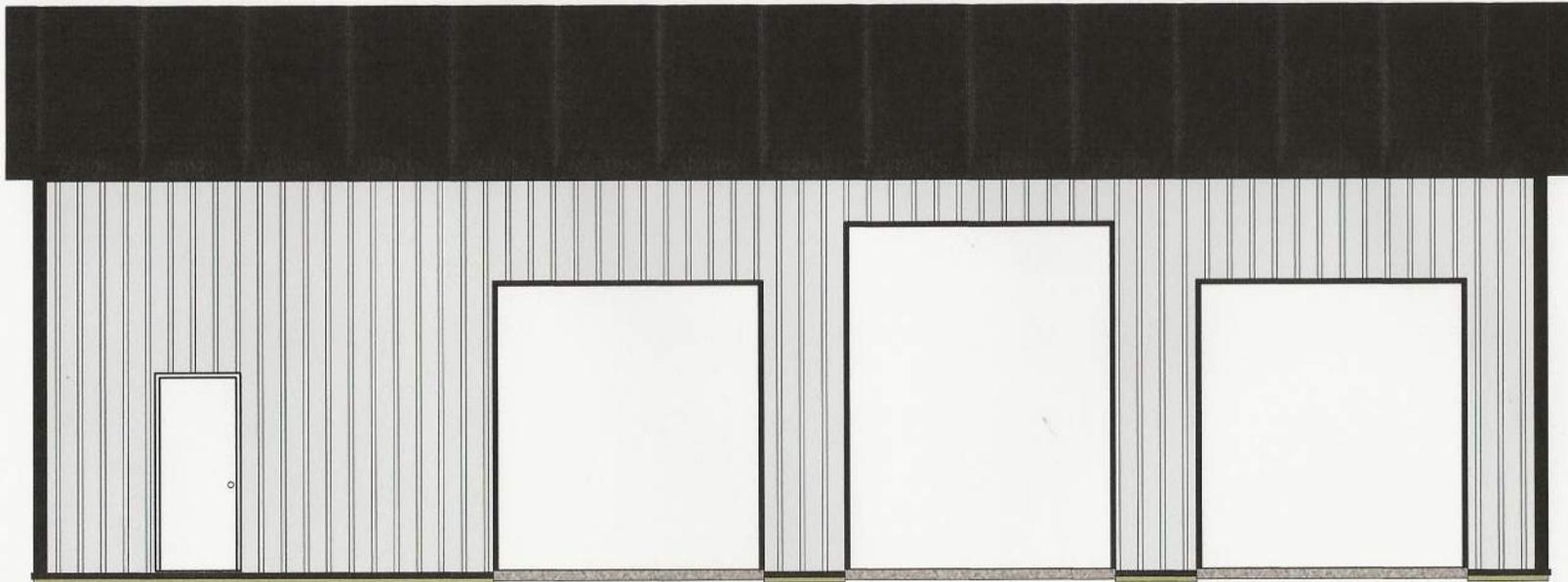
- 1 In. Metal To Wood Screws for Steel Wall, Roof Panels
- 3 1/2 In. Galv. Pole Barn Nails for Truss Carrier
- 16 Galv. Spirals for Skirt Board
- Galvanized Steel Framing Nails

• **DETAILED BUILDING PLANS**





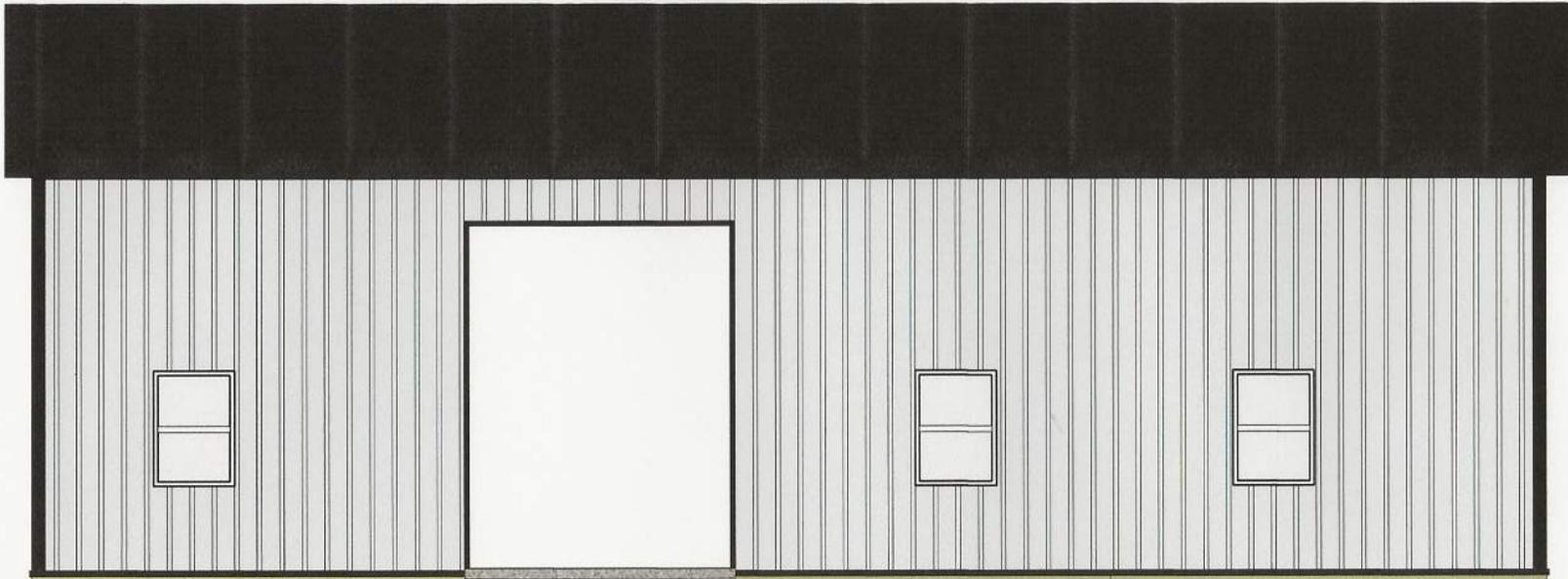
NORTH SIDE-EAVE SIDE 1 ELEVATION



WEST SIDE-GABLE SIDE 1 ELEVATION



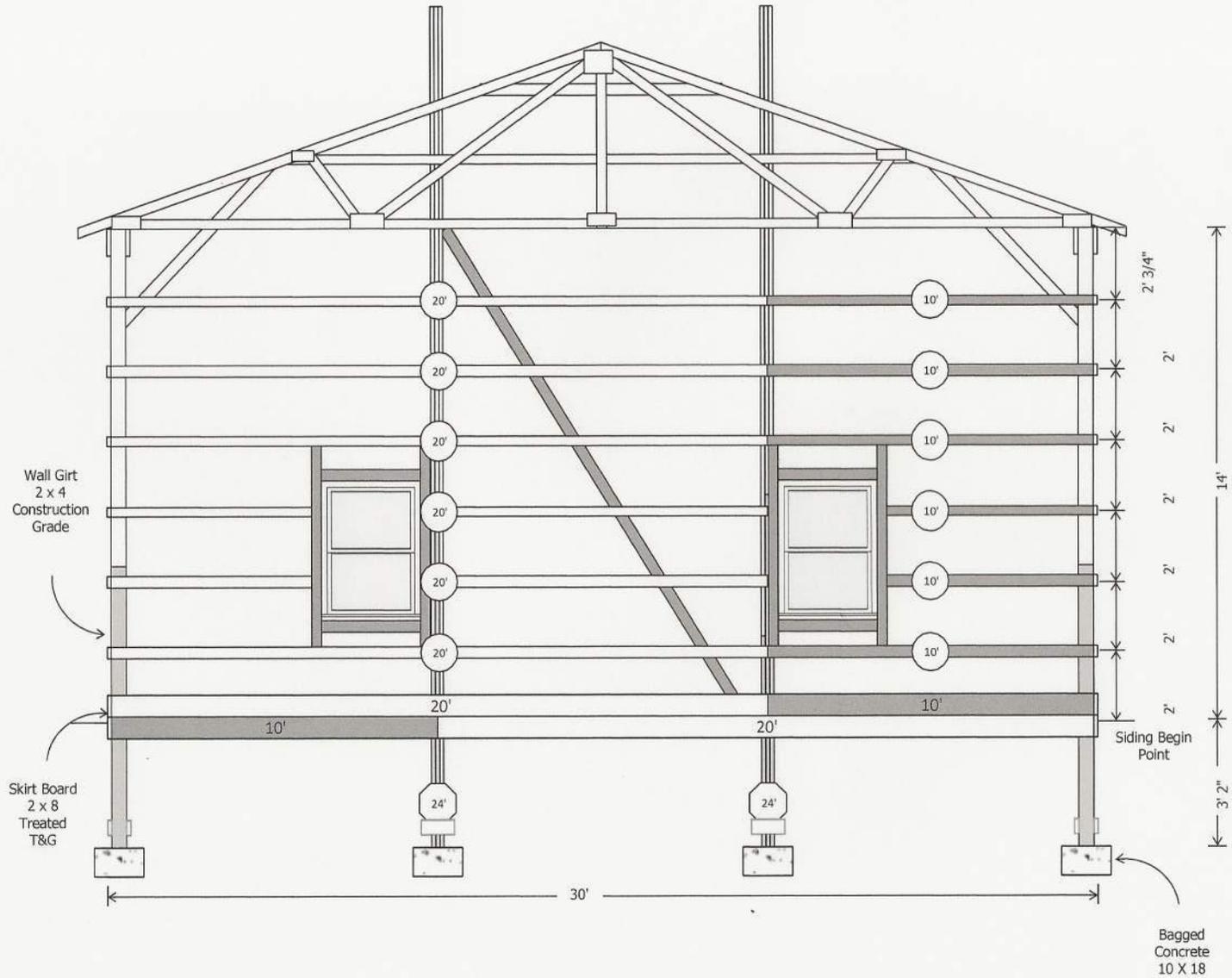
SOUTH SIDE-EAVE SIDE 2 ELEVATION



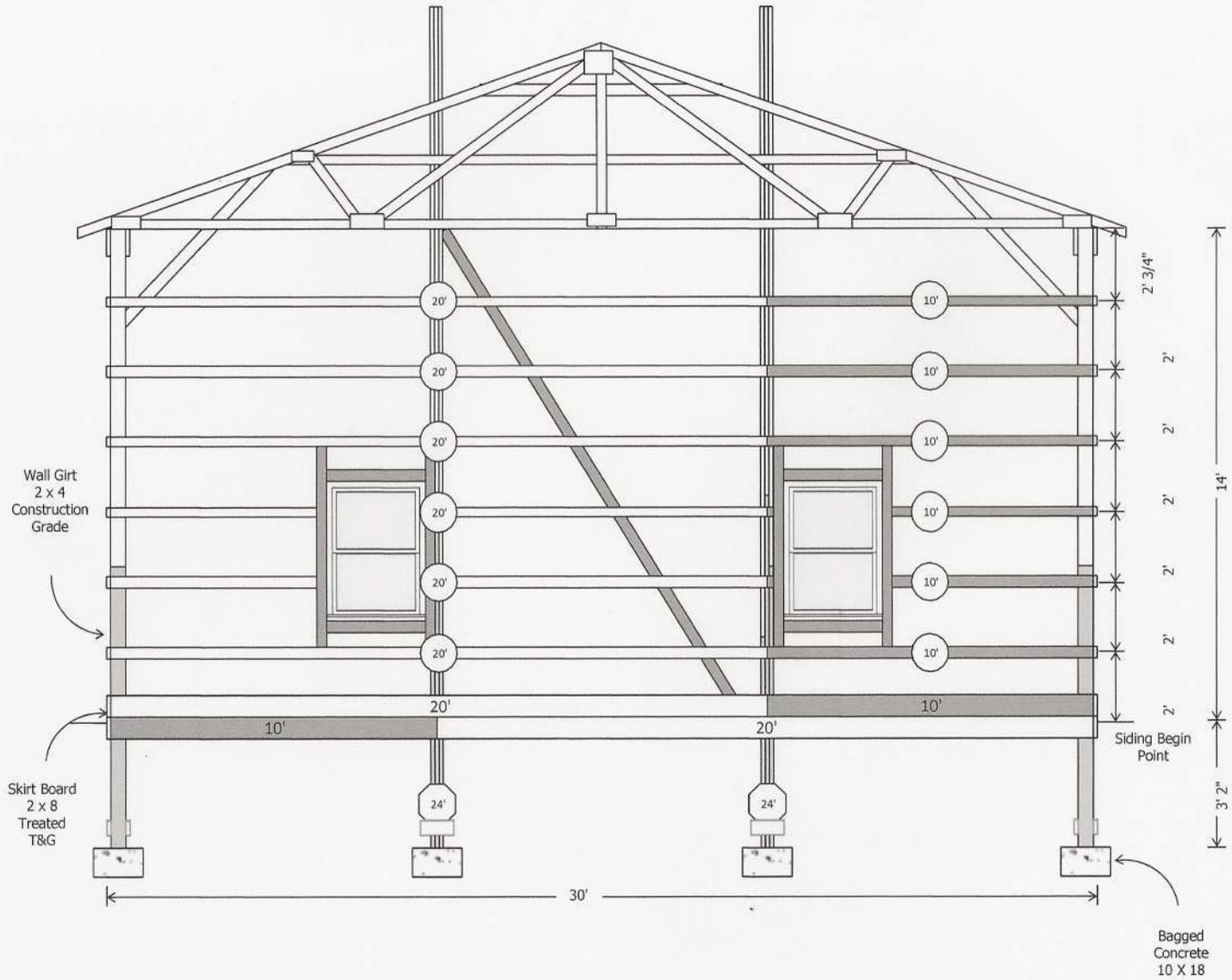
EAST SIDE-GABLE SIDE 2 ELEVATION



WEST SIDE-GABLE SIDE 1 WALL GIRT VIEW



EAST SIDE-GABLE SIDE 2 WALL GIRT VIEW

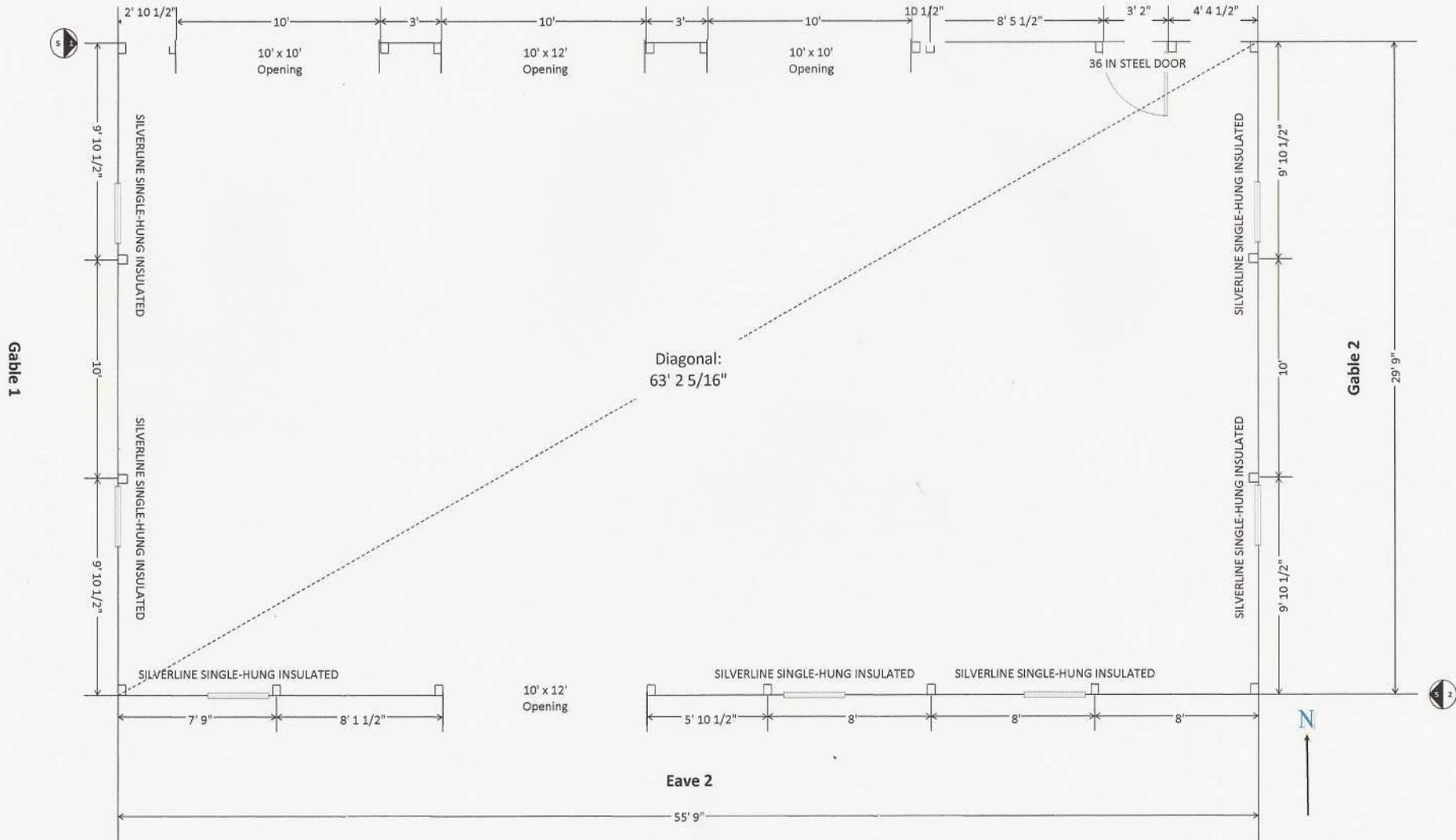




POLE LAYOUT
Personal Use, 1680 sq. ft.

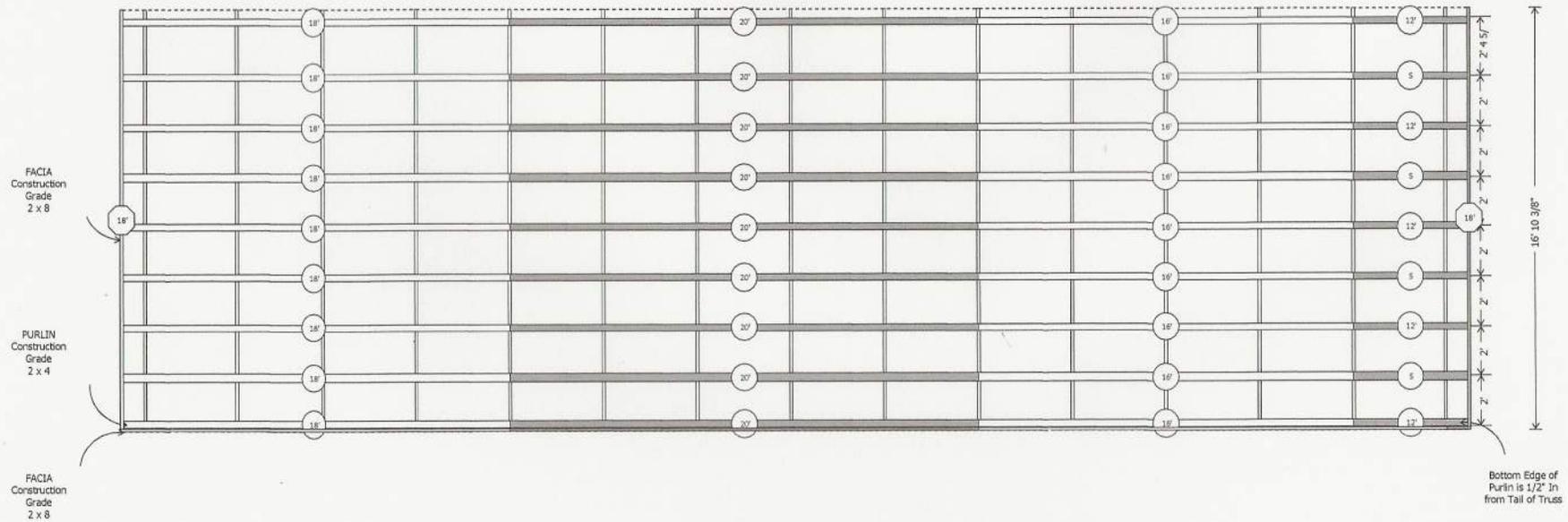


Eave 1





NORTH SIDE-EAVE SIDE 1 TRUSS AND PURLIN LAYOUT





GABLE1 CROSS SECTION

ROOF LAYER 1: PLY-FOIL P F S 4125 SINGLE BUBBLE
 FOIL 1/4 IN X 48 IN X 125 FT
 ROOF LAYER 2: BLACK RIB STEEL PANEL

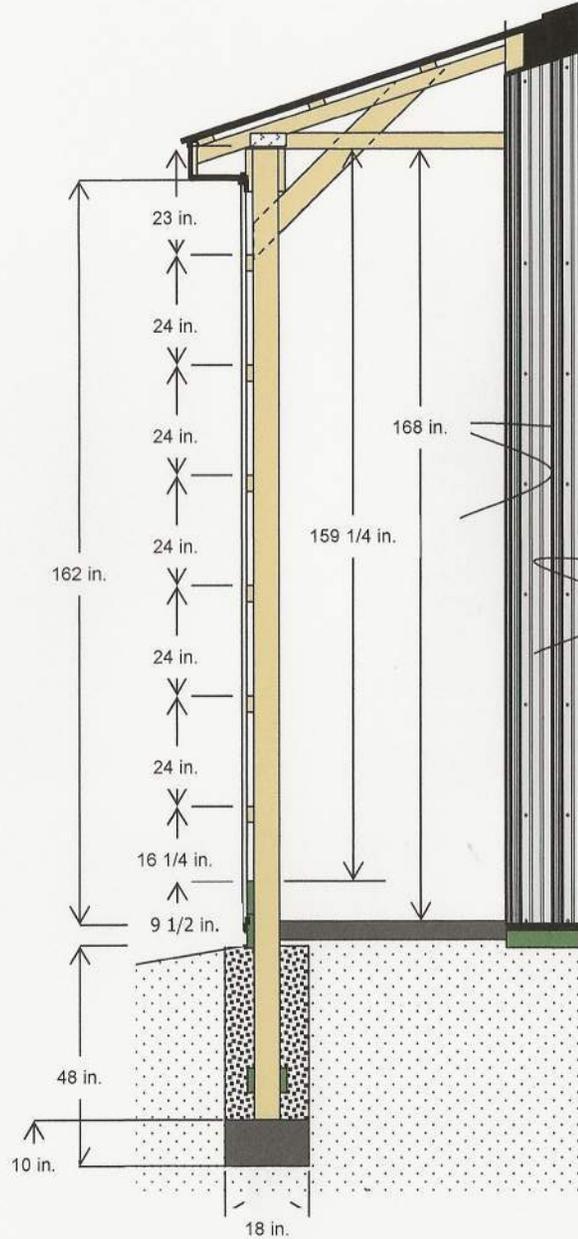
PURLINS: 2 X 4 CONSTRUCTION GRADE FASTENED
 LAYING FLAT
 SUB FACIA: 2 X 8 CONSTRUCTION GRADE
 FACIA COVERING: MRV SIDING SUPPLY BLACK 8 IN X
 10 FT ALUMINUM FACIA
 UNDEREAVE: MRV SIDING SUPPLY BLACK 12 IN X 12 FT
 ALUMINUM SOLID SOFFIT

CORNER POSTS: LAMINATED 3 PLY 4.5 X 5.5
 INTERMEDIATE POSTS: LAMINATED 3 PLY 4.5 X 5.5
 SPACING 8 FT O.C.
 EXTERIOR CARRIER: CONSTRUCTION GRADE 2 X 10
 FASTENED WITH 4- 4 1/2" LEDGERLOK PER POST
 INTERIOR CARRIER: CONSTRUCTION GRADE 2 X 10
 FASTENED WITH 4- 4 1/2" LEDGERLOK PER POST
 EXTERIOR WALL GIRTS: CONSTRUCTION GRADE 2 X 4
 KNEE BRACING: CONSTRUCTION GRADE 2 X 6
 WALL LAYER 1: BRIGHT WHITE RIB STEEL PANEL

EXTERIOR SKIRT BOARD: 2 ROWS OF TREATED T&G 2 X
 8

SIDING BEGINS 9 1/2 IN. BELOW THE TOP OF THE TOP
 SKIRT BOARD

EARTH GRADE BEGINS 14 IN. BELOW THE TOP OF THE
 TOP SKIRT BOARD

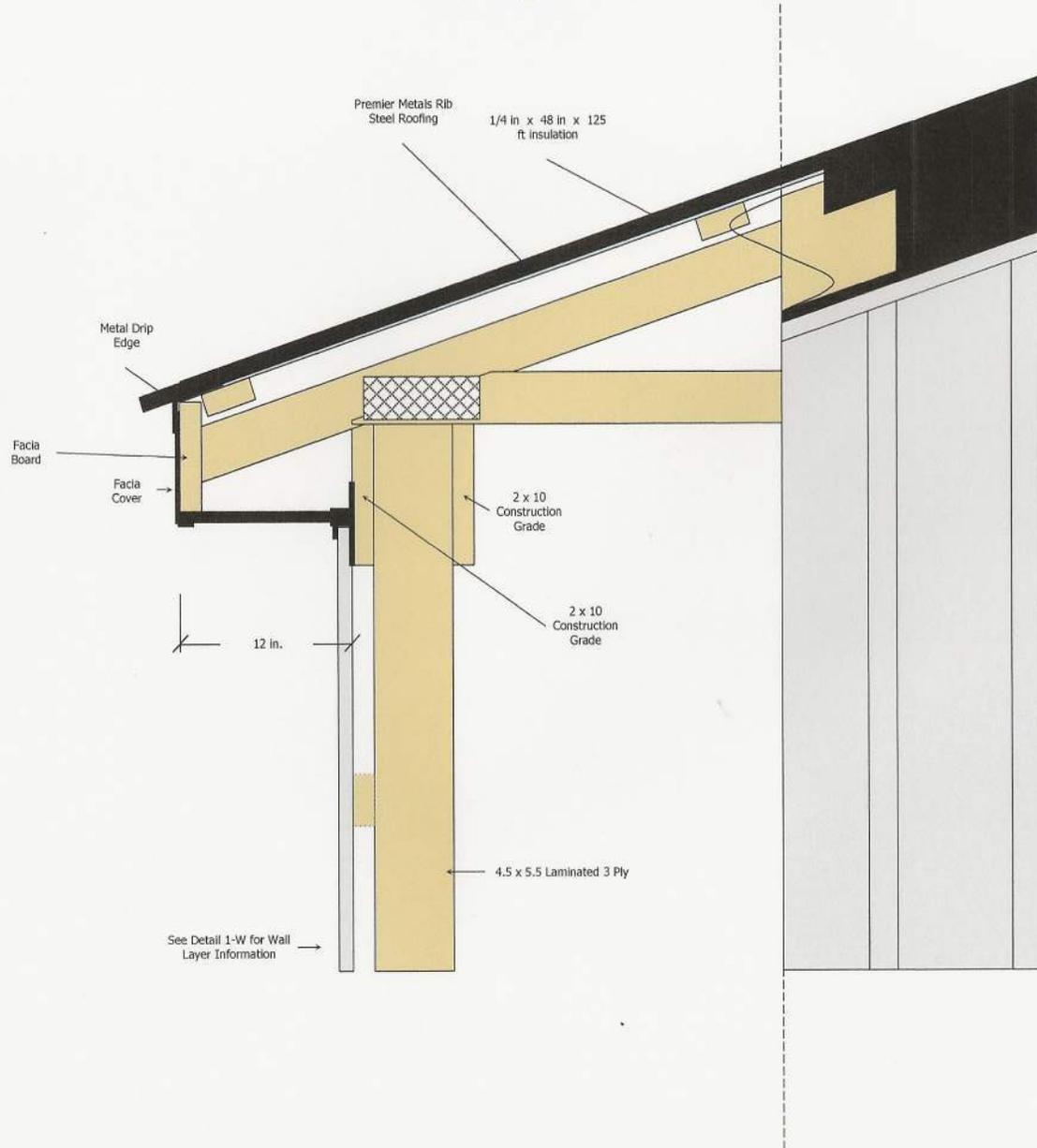


4/12 PITCH TRUSS SYSTEM WITH A STANDARD HEEL
 (HEEL HEIGHT: 0-3-15 OR 4 IN.)
 TRUSS SPACING: 48 IN. O.C.
 TRUSS LOADING INFORMATION: TCLL/TCDL/BCLL/BCDL
 25-5-0-5
 TOTAL TRUSS LOADING = 35 P.S.F.
 BRACE PER TRUSS MANUFACTURER'S
 RECOMMENDATIONS

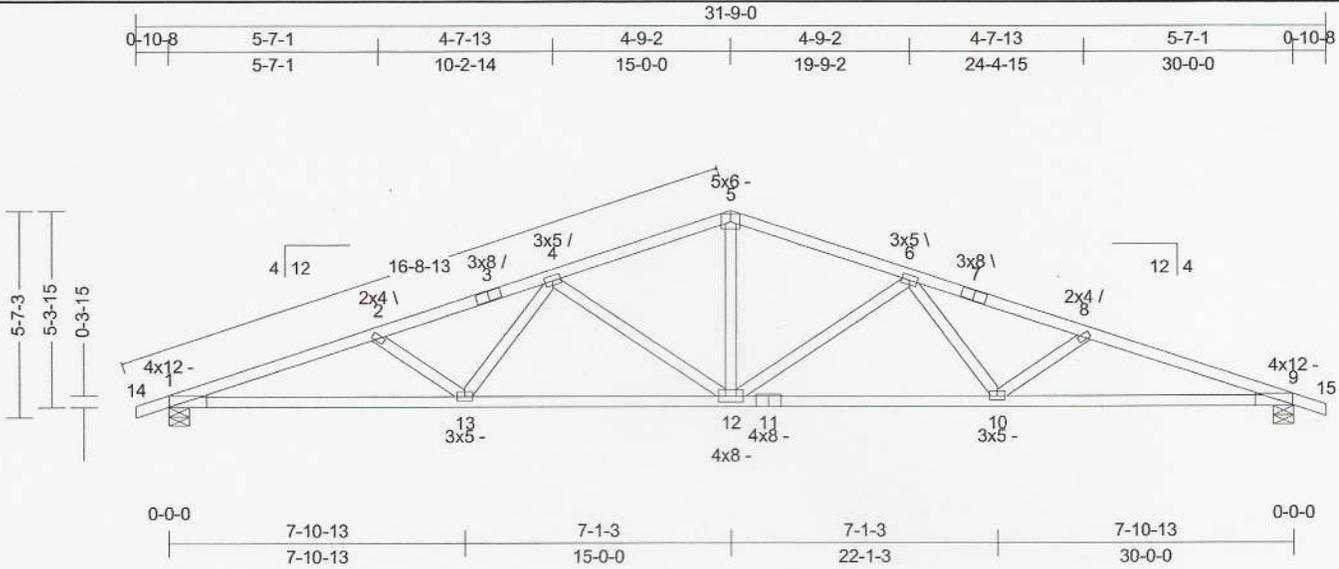
INTERIOR FINISHED FLOOR HT. WILL BE 8 3/4 IN.
 BELOW THE TOP OF THE TOP SKIRT BOARD
 4 IN. CONCRETE FLOOR W/STRUCTURAL STRENGTH -
 3500 P.S.I.
 UNDISTURBED SOIL OR COMPACTED SAND FILL
 BACKFILL 18 IN. HOLE WITH DIRT FILL & COMPACT
 18 IN. WIDE X 10 IN. THICK PIER FOOTING USING
 BAGGED CONCRETE
 WITH MINIMUM STRENGTH/2500 P.S.I.

POST CLEATS: TREATED 2 X 6 ON EACH SIDE OF POST
 STARTING 6 IN. ABOVE THE FOOTING

Overhang Detail



SPAN 30-0-0	PITCH 4/12	QTY 1	OHL 0-10-8	OHR 0-10-8	CANTL 0-0-0	CANTR 0-0-0	PLYS 1	SPACING 48 in	WGT/PLY 106 lbs
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All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL: 20	Bldg Code: IRC 2015/	TC: 0.84 (8-9)	Vert TL: 0.59 in	L/590	(10-11)	L/240
Snow(Ps/Pg): 20/25	TPI 1-2014	BC: 0.98 (13-1)	Vert LL: 0.38 in	L/922	12	L/360
TCDL: 5 (rake)	Rep Mbr: No	Web: 0.73 (6-12)	Horz TL: 0.18 in		9	
BCLL: 0	Lumber D.O.L.: 115 %					
BCDL: 5						

Reaction	JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
	1	1	6.5 in	2.99 in	1,905 lbs		-997 lbs	-1,033 lbs	-1,033 lbs	-45 lbs
	9	1	6.5 in	2.99 in	1,905 lbs		-997 lbs	-1,033 lbs	-1,033 lbs	

Material
 TC: SPF #2 2 x 4 except
 SPF 1650/1.5 2 x 4: 14-3, 7-15
 BC: SPF 1650/1.5 2 x 4
 Web: SPF #2 2 x 4

Bracing
 TC: Purlins at 24" OC, Purlin design by Others.
 BC: Sheathed or Purlins at 4-8-0, Purlin design by Others.

- Loads**
- 1) This truss has been designed for the effects of balanced (19.7 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 10 with the following user defined input: 25 psf GSL, Terrain C, Exposure (Ce=1.0), Risk Category II (I=1.00), Thermal (Ct=1.20), DOL=1.15. Ventilated. Unobstructed slippery surface. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
 - 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
 - 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 115 mph (Factored), Exposure C, Partial, Gable/Hip, Risk Category II, Overall Bldg Dims 30 ft x 48 ft, h=25 ft, Not End Zone Truss, Both end webs considered. DOL=1.60
 - 4) Minimum storage attic loading has not been applied in accordance with IRC 301.5
 - 5) In accordance with IRC 301.5, minimum BCLL's do not apply.

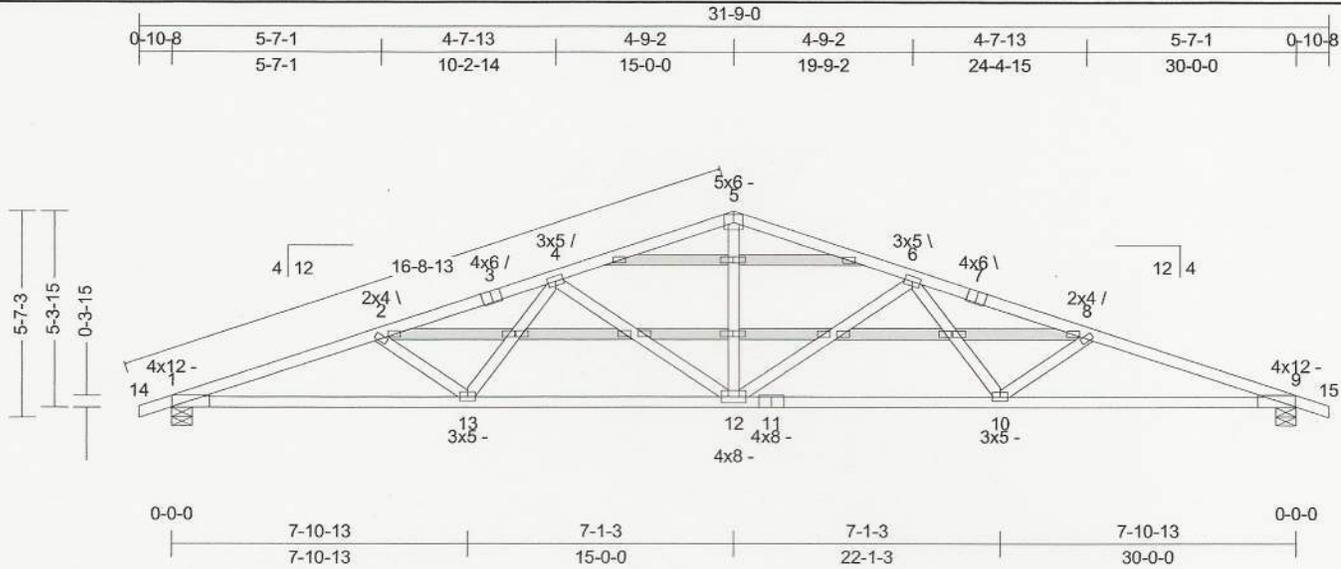
Member Forces Table indicates: Member ID, max CSI, max axial force, (max compr. force if different from max axial force). Only forces greater than 300lbs are shown in this table.

TC	1-2	0.840	-4,725 lbs	4-5	0.722	-2,981 lbs	6-8	0.749	-4,230 lbs
	2-4	0.749	-4,230 lbs	5-6	0.722	-2,981 lbs	8-9	0.840	-4,725 lbs
BC	9-10	0.983	4,419 lbs (-2,182 lbs)	10-12	0.738	3,593 lbs (-1,653 lbs)	12-13	0.738	3,593 lbs (-1,653 lbs)
	13-1	0.983	4,419 lbs (-2,182 lbs)	4-12	0.729	-1,197 lbs	6-12	0.729	-1,197 lbs
Web	2-13	0.119	-601 lbs	5-12	0.327	1,332 lbs (-644 lbs)	6-10	0.155	632 lbs (-204 lbs)
	4-13	0.155	632 lbs (-204 lbs)				8-10	0.119	-601 lbs

- Notes**
- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
 - 2) The fabrication tolerance for this roof truss is 20% (Cq=0.80).
 - 3) Building Designer shall verify self weight of the truss and other dead load materials do not exceed TC DL 5 psf.
 - 4) Building Designer shall verify self weight of the truss and other dead load materials do not exceed BCDL 5 psf.
 - 5) Design assumes minimum x2 (flat orientation, visually graded) purlins attached to the top of the TC at purlin spacing shown with at least 2-10d nails.
 - 6) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
 - 7) Listed wind uplift reactions based on MWFRS & C&C loading.



SPAN 30-0-0	PITCH 4/12	QTY 1	OHL 0-10-8	OHR 0-10-8	CANTL 0-0-0	CANTR 0-0-0	PLYS 1	SPACING 48 in	WGT/PLY 135 lbs
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All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL: 20 Snow(Ps/Pg): 20/25 TCDL: 5 (rake) BCLL: 0 BCDL: 5	Bldg Code: IRC2015/ TPI 1-2014 Rep Mbr: No Lumber D.O.L.: 115 %	TC: 0.93 (6-8) BC: 0.98 (13-1) Web: 0.73 (6-12)	Vert TL: 0.59 in Vert LL: 0.42 in UP Horz TL: 0.18 in	L / 590 L / 834	(10-11) 12 9	L / 240 L / 360

03/12/2020

Reaction

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	1	6.5 in	2.99 in	1,905 lbs	.	-997 lbs	-1,449 lbs	-1,449 lbs	-45 lbs
9	1	6.5 in	2.99 in	1,905 lbs	.	-997 lbs	-1,449 lbs	-1,449 lbs	.

Material

TC: SPF #2 2 x 4 except:
 SPF 1650/1.5 2 x 4: 14-3, 7-15
 BC: SPF 1650/1.5 2 x 4
 Web: SPF #2 2 x 4

Bracing

TC: Purlins at 24" OC, Purlin design by Others.
 BC: Sheathed or Purlins at 3-11-0, Purlin design by Others.



Loads

- 1) This truss has been designed for the effects of balanced (19.7 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 10 with the following user defined input: 25 psf GSL, Terrain C, Exposure (Ce=1.0), Risk Category II (I=1.00), Thermal (Ct=1.20), DOL=1.15. Ventilated. Unobstructed slippery surface. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
- 2) This truss has been designed to account for the effects of ice dams forming at the eaves.
- 3) This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 115 mph (Factored), Exposure C, Partial, Gable/Hip, Risk Category II, Overall Bldg Dims 30 ft x 48 ft, h=25 ft, End Zone Truss, Both end webs considered. DOL=1.60
- 4) Minimum storage attic loading has not been applied in accordance with IRC 301.5
- 5) In accordance with IRC 301.5, minimum BCLL's do not apply.

Member Forces

Table indicates: Member ID, max CSI, max axial force, (max compr. force if different from max axial force). Only forces greater than 300lbs are shown in this table.

TC	1-2	0.840	-4,725 lbs	4-5	0.858	-2,981 lbs	6-8	0.932	-4,230 lbs
	2-4	0.932	-4,230 lbs	5-6	0.858	-2,981 lbs	8-9	0.840	-4,725 lbs
BC	9-10	0.983	4,419 lbs (-3,017 lbs)	10-12	0.738	3,593 lbs (-2,307 lbs)	12-13	0.738	3,593 lbs (-2,307 lbs)
Web	2-13	0.119	670 lbs (-601 lbs)	4-12	0.729	-1,197 lbs	6-12	0.729	-1,197 lbs
	4-13	0.155	632 lbs (-313 lbs)	5-12	0.401	1,332 lbs (-919 lbs)	6-10	0.155	632 lbs (-313 lbs)
							13-1	0.983	4,419 lbs (-3,017 lbs)
							8-10	0.119	669 lbs (-601 lbs)

Notes

- 1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- 2) Gable webs placed at 24" OC, U.N.O.
- 3) Attach structural gable blocks with 2x4 20ga plates, U.N.O.
- 4) Bracing shown is for in-plane requirements. For out-of-plane requirements, refer to BCSI-B3 published by the SBCA.
- 5) The fabrication tolerance for this roof truss is 20% (Cq=0.80).
- 6) Building Designer shall verify self weight of the truss and other dead load materials do not exceed TCDL 5 psf.
- 7) Building Designer shall verify self weight of the truss and other dead load materials do not exceed BCDL 5 psf.
- 8) Design assumes minimum x2 (flat orientation, visually graded) purlins attached to the top of the TC at purlin spacing shown with at least 2-10d nails.
- 9) □ Indicates non-structural members.
- 10) Listed wind uplift reactions based on MWFRS & C&C loading.









