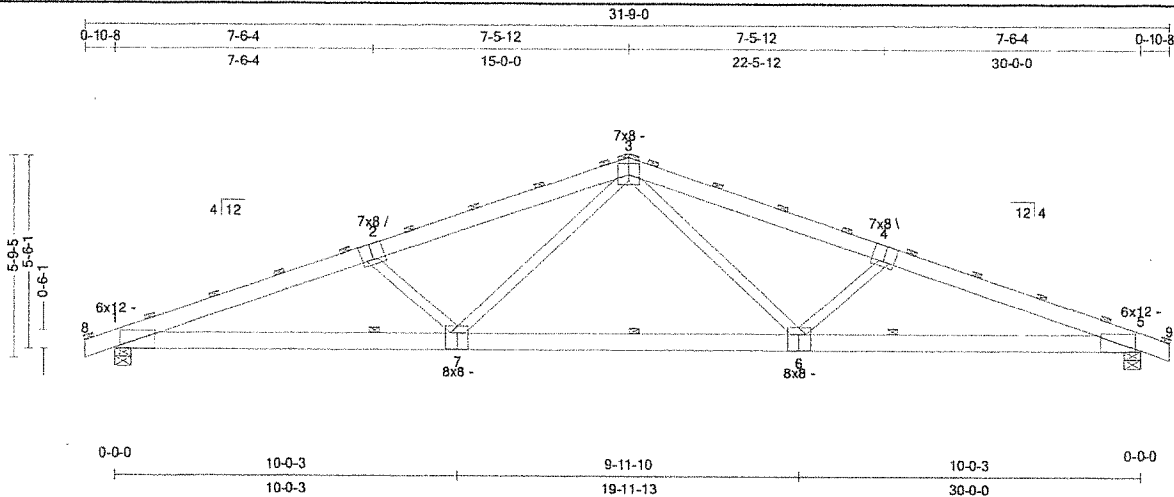


R&L Custom Truss
5164 Harris Rd.
Randolph, NY 14772

Truss: T01
Job: RLC0609S
Date: 04/23/25 17:29:40
Page: 1 of 1

SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY
30-0-0	4/12	1	0-10-8	0-10-8	0-0-0	0-0-0	1	48 in	168 lbs



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL: 38.5	Bldg Code: IBC 2018/	TC: 0.71 (2-3)	Vert TL: 0.52 in	L / 675	(6-7)	L / 240
TCDL: 5(rake)	TPI 1-2014	BC: 0.58 (5-6)	Vert LL: 0.34 in	L / 999	(6-7)	L / 360
BCLL: 0	Rcp Mbr: No	Web: 0.54 (3-6)	Horz TL: 0.14 in		5	
BCDL: 5	Lumber D.O.L: 125 %					

04/23/2025

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	5.5 in	2.61 in	3,152 lbs	-	-871 lbs	-769 lbs	-871 lbs	67 lbs
5	1	5.5 in	2.61 in	3,152 lbs	-	-871 lbs	-769 lbs	-871 lbs	-

Material

TC: SP2400/2.0 2 x 6
BC: SP2400/2.0 2 x 6
Web: SPF#2 2 x 4

Bracing

TC: Purlins at 24" OC, Purlin design by Others.
BC: Sheathed or Purlins at 7-7-0, Purlin design by Others.

Loads

- 1) This truss has been designed for the effects of balanced (38.5 psf) and unbalanced sloped roof snow loads in accordance with ASCE7 - 16 with the following user defined input: 55 psf GSL, Terrain C, Exposure (C_e = 1.0), Thermal (C_t = 1.00), DOL = 1.15. 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 - 16 with the following user defined input: 115 mph (Factored), Exposure C, Enclosed, Gable, Risk Category II, h=B=L=15 ft, Not End Zone Truss, Both end webs considered. DOL = 1.60
- 4) This truss has been designed for the effects of TC LL = 20 psf.
- 5) Minimum storage attic loading has not been applied in accordance with IBC 1607.1
- 6) In accordance with IBC 1607.1, minimum BCLLs do not apply.

Member Forces

Table indicates: Member ID, size, CSI, max tension force, (max compression force). Only forces greater than 300lbs are shown in this table.

TC	1-2	0.587	2,019 lbs	(-7,510 lbs)	3-4	0.714	1,794 lbs	(-6,280 lbs)
2-3	0.714	1,794 lbs	(-6,280 lbs)	4-5	0.587	2,019 lbs	(-7,510 lbs)	
BC	5-6	0.584	6,997 lbs	(-1,774 lbs)	6-7	0.327	4,503 lbs	(-1,071 lbs)
7-8	0.544	2,216 lbs	(-425 lbs)	3-6	0.544	2,216 lbs	(-425 lbs)	4-6
Web	2-7	0.424	571 lbs	(-1,899 lbs)	3-7	0.544	2,216 lbs	(-425 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 5 % (C_q = 0.95).
- 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 BC DL 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) Lateral bracing shown is for illustration purposes only and may be placed on either edge of truss member.
- 8) A creep factor of 2.50 has been applied for this truss analysis.
- 9) Listed wind uplift reactions based on MWFRS & C&C loading.

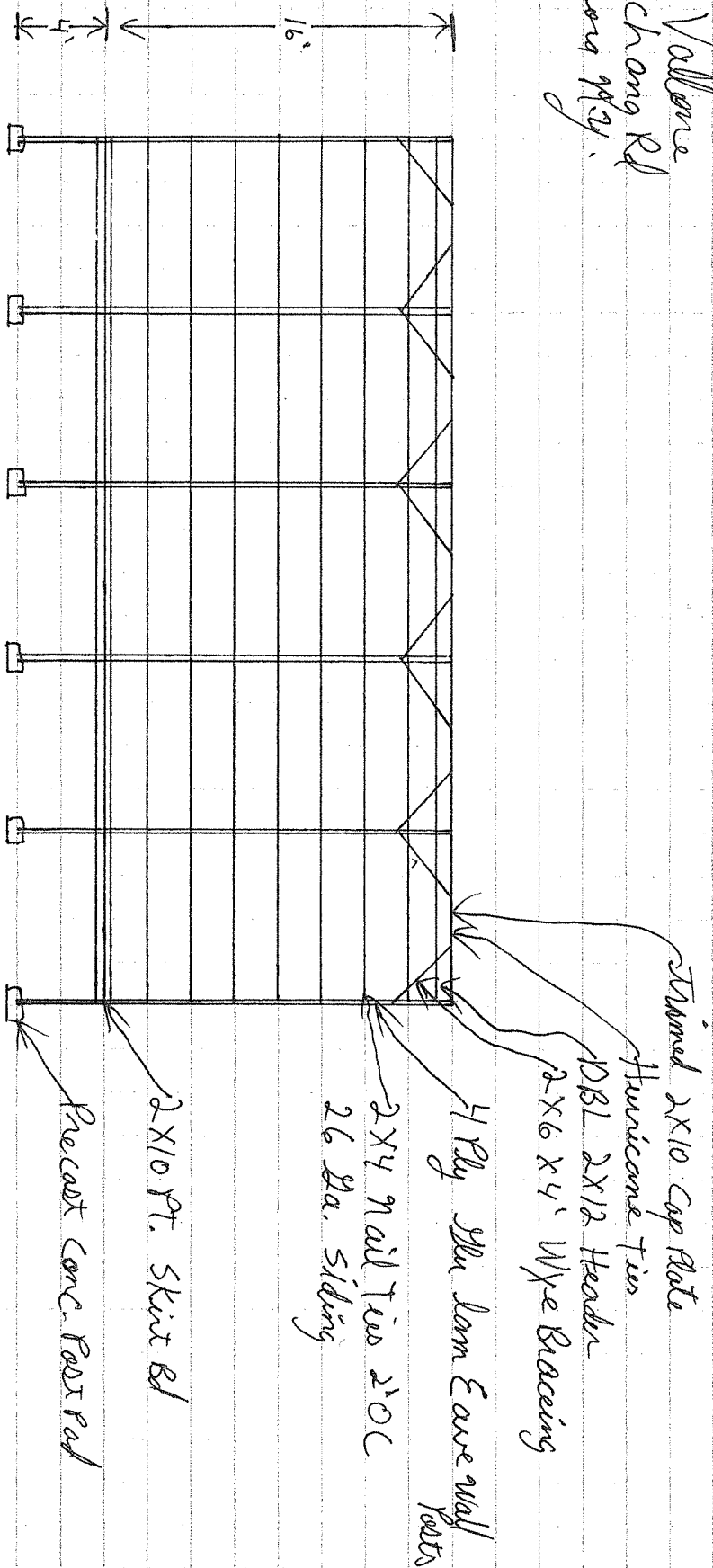
WARNING: Verify all design parameters and follow all notes on this drawing and in the Eagle Metal Design Notes.
This design is for an individual building component (a truss), not a truss system, and is based only on parameters shown and provided by the Building Designer. The applicability of the design parameters must be verified by the Building Designer and should properly incorporate this design into the overall building design before use. Bracing shown is only to prevent buckling of individual truss web and/or chord members. Additional temporary and permanent bracing is always required to prevent collapse and provide stability. Design valid only when Eagle Metal connectors are used. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown.

TrueBuild® Truss Software v5.7.21
Eagle Metal Products

(2)

David Vallone
13781 Schang Rd
East Aurora, NY

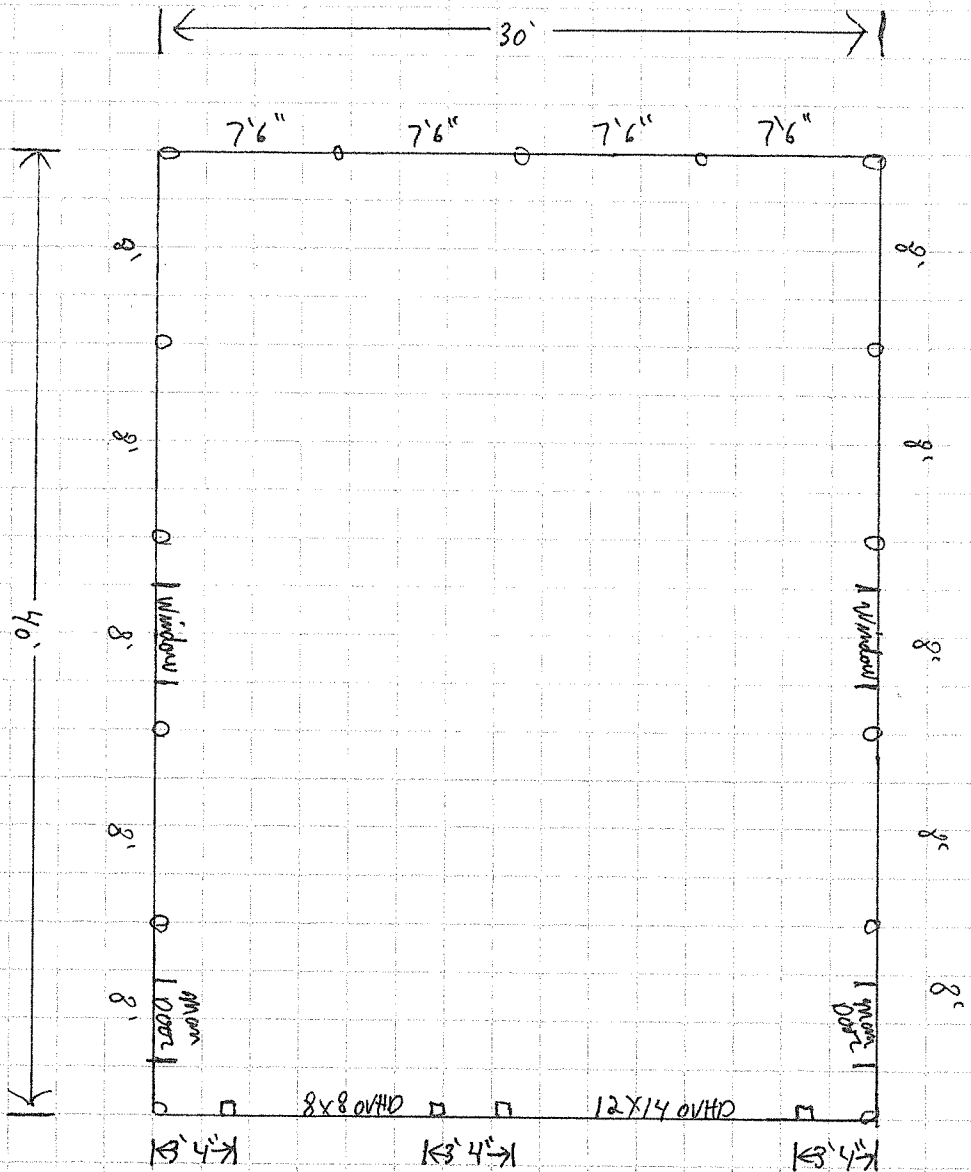
30 X 40 X 16 Pole Barn



Moses J. Shellen

716-410-3515

30' X 40' X 16' Pol Barn



(1)

David Vallone
13781 Schang Rd
East Aurora, NY

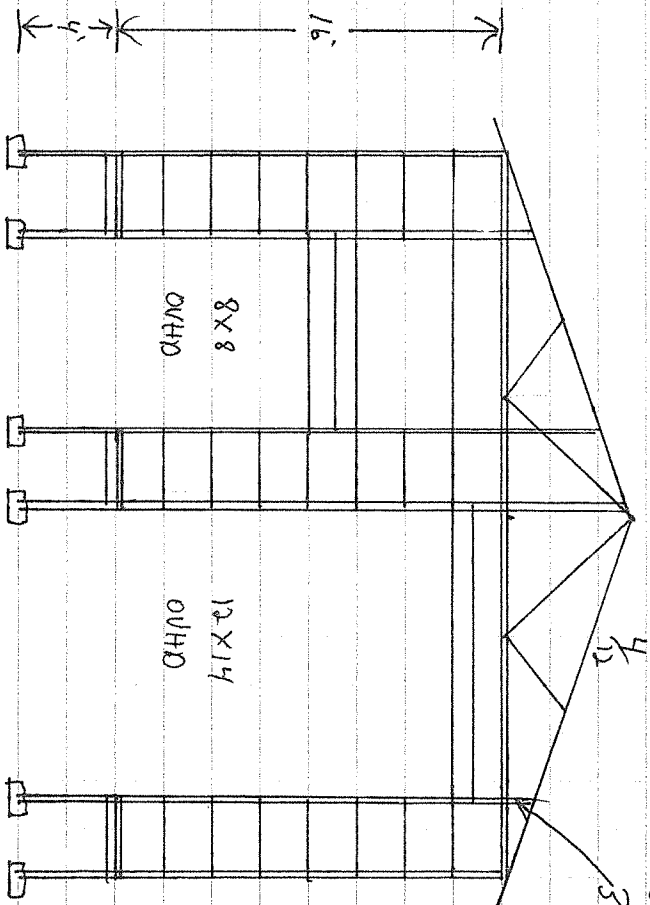
Moss & Schetter

716-410-3575

David Vallone
13781 Schong Rd
East Aurora N.Y.

30'x40'x16'
Pole Barn

3



Engineered Truss 4'0" 12'0"
Therma Guard Vapor Barrier under Roof
2x4 Purlins @ 20'
26 Ga Metal Roof
3 Bay 4x4 Corn Shale Posts

Moses J. Shellen
716-410-3515

