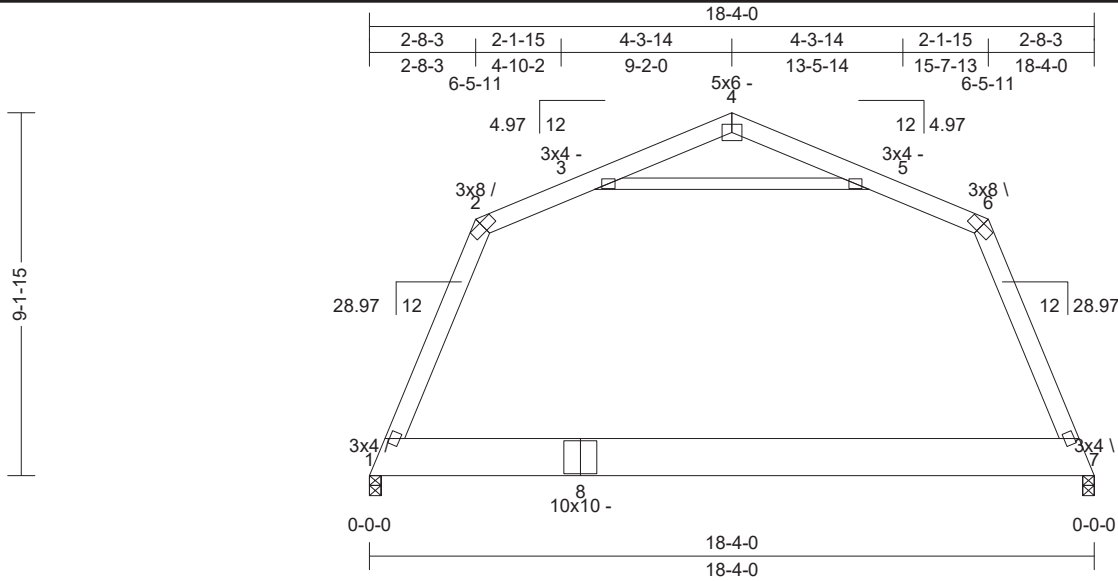


SPAN 18-4-0	PITCH 28.97/12	QTY 17	OHL 0-0-0	OHR 0-0-0	CANT L 0-0-0	CANT R 0-0-0	PLYS 1	SPACING 16 in	WGT/PLY 121 lbs
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All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)	General	CSI	Deflection	L/	(loc)	Allowed
TCLL: 30	Bldg Code: IRC 2018/	TC: 0.95 (6-7)	Vert TL: 0.62 in	L/345	(7-8)	L/180
TCDL: 10	TPI 1-2014	BC: 0.86 (7-1)	Vert LL: 0.32 in	L/670	(7-8)	L/240
BCLL: 30	Rep Mbr: Yes	Web: 0.16 (3-5)	Horz TL: 0 in		7	
BCDL: 10	Lumber D.O.L.: 115%					

**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	3.5 in	1.91 in	1,160 lbs	-	-53 lbs	-133 lbs	-133 lbs	-32 lbs
7	1	3.5 in	1.91 in	1,160 lbs	-	-53 lbs	-133 lbs	-133 lbs	-

**Material**

TC: HF#2 2 x 6  
 BC: HF#2 2 x 12  
 Web: HF Stud 2 x 4

**Bracing**

TC: Sheathed  
 BC: Sheathed or Purlins at 10-0-0, Purlin design by Others.

**Loads**

- This truss has been designed for the effects of wind loads in accordance with ASCE7 - 16 with the following user defined input: 110 mph (Factored), Exposure C, Enclosed, Gable, Risk Category II, Overall Bldg Dims 18 ft x 24 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
- Minimum storage attic loading has been applied in accordance with IRC 301.5

**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.

Member	CSI	Max Axial Force	Max Compr. Force
TC	1-2	0.951	-571 lbs
	2-3	0.260	-497 lbs
BC	7-1	0.864	398 lbs (-20 lbs)
Web			

**Notes**

- Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer.
- The fabrication tolerance for this roof truss is 0% (Cq = 1.00).
- Brace bottom chord with approved sheathing or purlins per Bracing Summary.
- A creep factor of 1.50 has been applied for this truss analysis.
- Listed wind uplift reactions based on MWFRS & C&C loading.



11/15/2022