EAGLE METAL
TrueBuild™ System
Version: 4.01

KYLMALA TRUSS

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Truss: 26
JobName: 8-12 Storage
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Date: 02/26/08 07:20 AM
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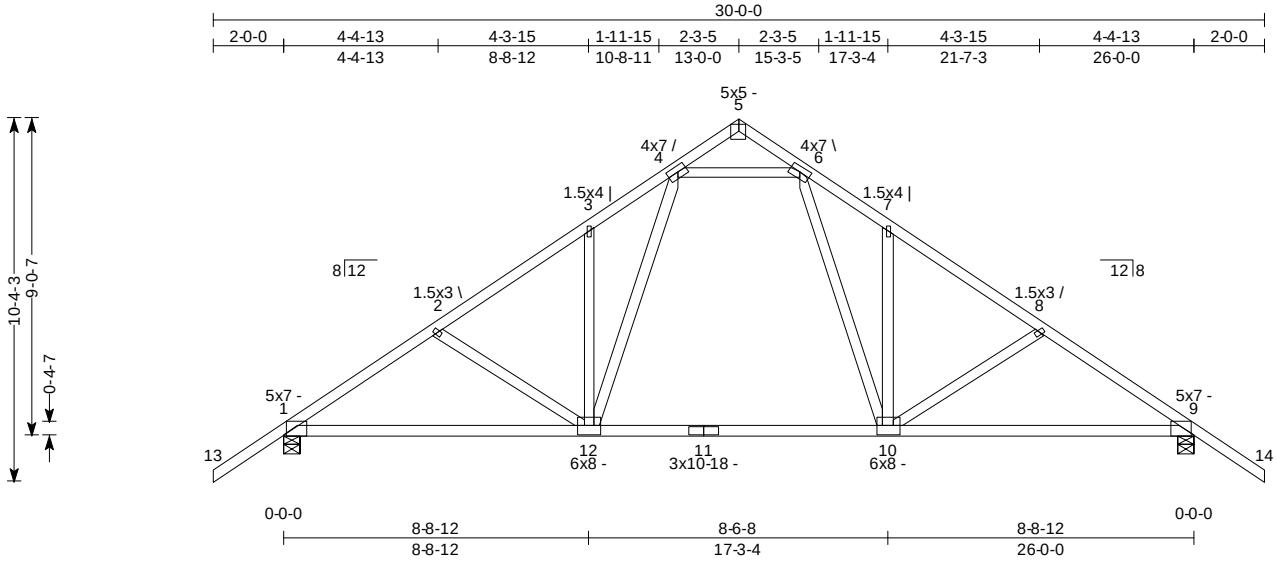
SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY	BRD FT/PLY
26-0-0	8 /12	20	2-0-0	2-0-0	0-0-0	0-0-0	1	24 in	115 lbs	73.3



Loading

TCLL :	20 psf
Snow :	38.1 psf
TCDL :	10 psf(rake)
BCLL :	0 psf
BCDL :	10 psf

General

Bldg Code :	IRC 2006/ TPI 1-2002
Rep Mbr Increase :	Yes
D.O.L. :	100 %
Matrix	

CSI Summary

TC :	0.80 (3-4)
BC :	0.59 (12-1)
Web :	0.55 (3-12)

Deflection

		L/	(loc)	Allowed
Vert TL:	0.35 in	L / 853	(9-10)	L / 240
Vert LL:	0.24 in	L / 999	(10-11)	L / 360
Horz TL:	0.21 in		4	

Plate Offsets (Jnt:X,Y,Ang): (1:4-5,1-15,0.) (2:0-0,4-3,32.) (3:0-0,4-3,90.) (4:6-5,0-0,34.) (5:0-0,4-3,0.) (6:6-5,0-0,34.) (7:0-0,4-3,90.) (8:0-0,4-3,32.) (9:4-5,1-15,0.) (10:0-0,3-8,0.) (11:0-0,1-12,0.) (12:0-0,3-8,0.)

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	Pin (Wall)	1	5.5 in	1,932 lbs	·	·	-145 lbs	-145 lbs	76 lbs
9	H Roll (Wall)	1	5.5 in	1,932 lbs	·	·	-145 lbs	-145 lbs	·

Material Summary

TC	SPF 2100/1.8 2 x 4
BC	SPF 2100/1.8 2 x 4
Webs	SPF #2 2 x 4

Bracing Summary

TC Bracing: Sheathed or purlins at 3-9-0, Purlin design by Others.
BC Bracing: Sheathed or purlins at 10-0-0, Purlin design by Others.

Loads Summary

1) This truss has been designed for the effects of wind loads in accordance with ASCE7 - 05 with the following user defined input: 90 mph, Exposure C, Enclosed, Gable/Hip, Building Category II (I = 1.00), Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, Not End Zone Truss, Neither end web considered. DOL = 1.33
2) This truss has been designed for the effects of balanced (8 /12, 38.1 psf) and unbalanced (8 /12, 11.4 psf wind, 38.1 psf lee, 38 psf lee over peak to 7 ft) snow loads for hips/gables in accordance with ASCE7 - 05 with the following user defined input: 60 psf ground snow load, Terrain Category C, Partially Exposed, Building Category II (I = 1.0), Ct = 1.00, DOL = 1.15. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads.
3) This truss has been designed to account for the effects of ice dams forming at the eaves.
4) This truss has been designed for the effects of a 16 psf live load computed in accordance with IRC 2006 assuming slope = 8 /12 and area supported = 60 ft^2.
5) Minimum storage attic loading has been applied in accordance with IRC 301.5

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Bot	8-8-12	17-3-4	Down	Proj	10 psf	10 psf	24 in

Member Forces Summary

Table indicates: Member ID, max CSI/Stress, max axial force, (max compr. force if different from max axial force)

TC	13-1	0.559	213 lbs		3-4	0.800	-2,400 lbs		6-7	0.800	-2,400 lbs		9-14	0.559	213 lbs
	1-2	0.533	-2,656 lbs		4-5	0.786	-331 lbs		7-8	0.409	-2,260 lbs				
	2-3	0.409	-2,260 lbs		5-6	0.786	-331 lbs		8-9	0.533	-2,656 lbs				
BC	9-10	0.590	2,130 lbs	(-107 lbs)	10-12	0.564	1,344 lbs		12-1	0.590	2,130 lbs	(-107 lbs)			
Webs	2-12	0.216	-442 lbs		4-12	0.328	1,339 lbs	(-49 lbs)	6-10	0.328	1,339 lbs	(-49 lbs)	8-10	0.216	-442 lbs
	3-12	0.545	-906 lbs		4-6	0.329	-1,228 lbs		7-10	0.545	-906 lbs				

Notes:

6) When this truss has been chosen for quality assurance inspection, the Plate Placement Method per TPI 1-2002/A3.2 shall be used.
7) Brace bottom chord with properly applied gypsum board or approved equal, unless noted otherwise.

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