EAGLE METAL
TrueBuild™ System
Version: 4.02

KYLMALA TRUSS

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Truss: 28
JobName: Scissor
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Date: 02/26/08 07:26 AM
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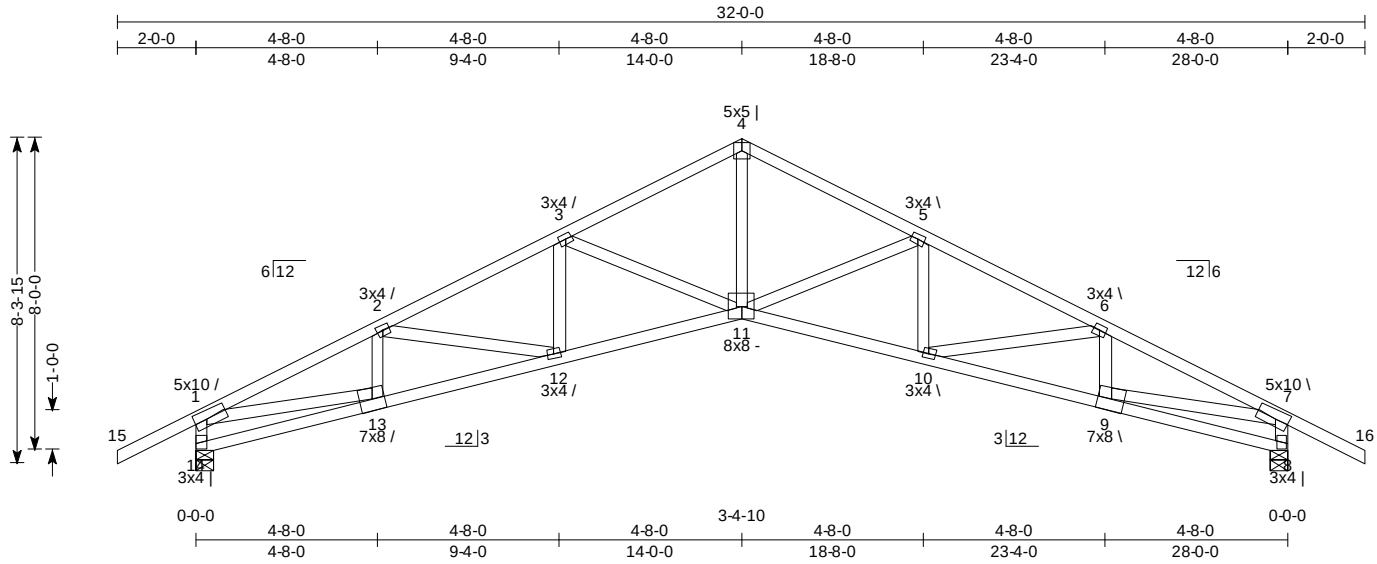
SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY	BRD FT/PLY
28-0-0	6 /12	20	2-0-0	2-0-0	0-0-0	0-0-0	1	24 in	121 lbs	78.7



Loading		General		CSI Summary		Deflection		L/	(loc)	Allowed
TCLL :	20 psf	Bldg Code :	IRC 2006/	TC :	0.81 (15-1)	Vert TL:	0.46 in	L / 701	(10-11)	L / 240
Snow :	42 psf		TPI 1-2002	BC :	0.97 (10-11)	Vert LL:	0.11 in	L / 999	11	L / 360
TCDL :	10 psf(rake	Rep Mbr Increase :	Yes	Web :	0.90 (1-13)	Horz TL:	0.34 in		8	
BCLL :	0 psf	D.O.L. :	100 %							
BCDL :	10 psf(rake	Matrix								

Plate Offsets (Jnt:X,Y,Ang): (1:4-8,1-11,27.) (2:1-12,3-1,27.) (3:1-12,3-1,27.) (4:0-0,3-15,90.) (5:1-12,3-1,27.) (6:1-12,3-1,27.) (7:4-8,1-11,27.) (8:1-12,2-11,90.) (9:1-12,3-3,14.) (10:1-12,3-3,14.) (11:0-0,4-0,0.) (12:1-12,3-3,14.) (13:1-12,3-3,14.) (14:1-12,2-11,90.)

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
14	Pin (Wall)	1	5.5 in	2,134 lbs	·	·	-226 lbs	-226 lbs	41 lbs
8	H Roll (Wall)	1	5.5 in	2,134 lbs	·	·	-226 lbs	-226 lbs	·

Material Summary

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

Bracing Summary

TC Bracing: Sheathed or purlins at 3-0-0, 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 (6 /12, 42 psf) and unbalanced (6 /12, 12.6 psf wind, 42 psf lee, 32.9 psf lee over peak to 8.1 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 = 6 /12 and area supported = 64 ft^2.
5) Minimum storage attic loading has been applied in accordance with IRC 301.5

Member Forces Summary

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

TC	15-1	0.808	172 lbs		2-3	0.642	-4,369 lbs		4-5	0.607	-3,282 lbs		6-7	0.802	-4,220 lbs
	1-2	0.802	-4,220 lbs		3-4	0.606	-3,282 lbs		5-6	0.643	-4,369 lbs		7-16	0.808	172 lbs
BC	8-9	0.228	26 lbs	(-19 lbs)	10-11	0.974	3,925 lbs		12-13	0.948	3,774 lbs				
	9-10	0.948	3,774 lbs		11-12	0.974	3,925 lbs		13-14	0.228	51 lbs	(-48 lbs)			
Webs	1-14	0.263	-2,082 lbs		3-12	0.060	190 lbs	(-28 lbs)	5-10	0.060	190 lbs	(-28 lbs)	7-8	0.263	-2,082 lbs
	1-13	0.902	3,676 lbs		3-11	0.511	-1,145 lbs		6-10	0.080	326 lbs	(-9 lbs)			
	2-13	0.081	-580 lbs		4-11	0.583	2,376 lbs	(-30 lbs)	6-9	0.081	-580 lbs				
	2-12	0.080	326 lbs	(-9 lbs)	5-11	0.511	-1,146 lbs		7-9	0.902	3,676 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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