EAGLE METAL
TrueBuild™ System
Version: 4.02

KYLMALA TRUSS

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Truss: 26
JobName: Attic Truss
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Date: 02/26/08 07:24 AM
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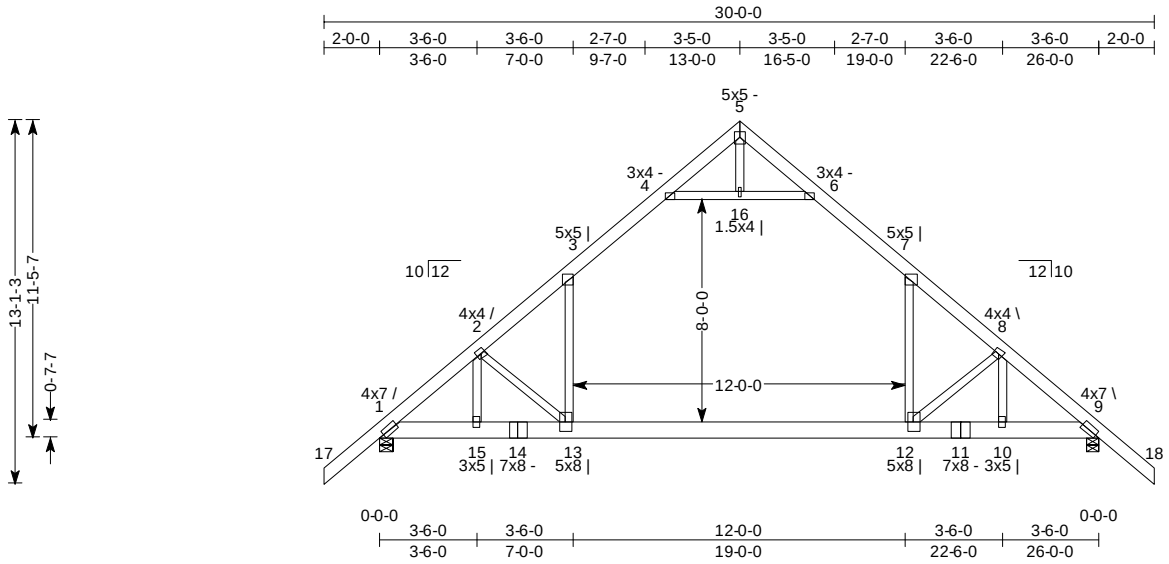
SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY	BRD FT/PLY
26-0-0	10 /12	20	2-0-0	2-0-0	0-0-0	0-0-0	1	24 in	199 lbs	97.3



Loading		General		CSI Summary		Deflection		L/	(loc)	Allowed
TCLL :	20 psf	Bldg Code :	IRC 2006/	TC :	0.83 (2-3)	Vert TL:	0.75 in	L / 402	(12-13)	L / 240
Snow :	31.7 psf		TPI 1-2002	BC :	0.52 (12-13)	Vert LL:	0.42 in	L / 724	(12-13)	L / 360
TCDL :	10 psf(rake	Rep Mbr Increase :	Yes	Web :	0.42 (6-16)	Horz TL:	0.02 in		9	
BCLL :	0 psf	D.O.L. :	100 %							
BCDL :	10 psf	Matrix								

Plate Offsets (Jnt:X,Y,Ang): (1:4-3,3-10,40.) (2:1-12,5-11,40.) (3:2-8,8-10,90.) (4:10-11,1-12,0.) (5:0-0,7-3,0.) (6:10-11,1-12,0.) (7:2-8,8-10,90.) (8:1-12,5-11,40.) (9:4-3,3-10,40.) (10:0-0,7-4,90.) (11:0-0,3-10,0.) (12:3-8,7-4,90.) (13:3-8,7-4,90.) (14:0-0,3-10,0.) (15:0-0,7-4,90.) (16:0-0,3-8,90.)

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	Pin (Wall)	1	5.5 in	2,130 lbs	·	·	·	·	128 lbs
9	H Roll (Wall)	1	5.5 in	2,130 lbs	·	·	·	·	·

Material Summary

TC	SP 2700/2.2 2 x 6
BC	SP 2400/2.0 2 x 8
Webs	SPF #2 2 x 4

Bracing Summary

TC Bracing: Sheathed or purlins at 4-6-0, 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 (10 /12, 31.7 psf) and unbalanced (10 /12, 9.5 psf wind, 31.7 psf lee, 42.5 psf lee over peak to 6.2 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 = 10 /12 and area supported = 60 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	17-1	0.184	248 lbs	3-4	0.832	-1,790 lbs		6-7	0.832	-1,790 lbs		9-18	0.184	248 lbs
	1-2	0.186	-2,857 lbs	4-5	0.751	399 lbs	(-82 lbs)	7-8	0.835	-2,686 lbs				
	2-3	0.835	-2,687 lbs	5-6	0.751	399 lbs	(-82 lbs)	8-9	0.186	-2,857 lbs				
BC	9-10	0.154	2,230 lbs	12-13	0.516	1,695 lbs		15-1	0.154	2,230 lbs				
	10-12	0.422	2,230 lbs	13-15	0.422	2,230 lbs								
Webs	2-15	0.089	-537 lbs	4-16	0.420	-2,112 lbs		7-12	0.384	1,417 lbs				
	2-13	0.247	-765 lbs	5-16	0.015	56 lbs		8-12	0.247	-765 lbs				
	3-13	0.384	1,417 lbs	6-16	0.420	-2,112 lbs		8-10	0.088	-537 lbs				

Notes:

6) Attic floor area has been designed as a living area with 40 psf floor live load and a 10 psf floor dead load, and the interior vertical webs and ceiling has been designed for a 5 psf dead load.
7) When this truss has been chosen for quality assurance inspection, the Plate Placement Method per TPI 1-2002/A3.2 shall be used.
8) Brace bottom chord with properly applied gypsum board or approved equal, unless noted otherwise.
9) At least one web of this truss has been designed with a panel point in the web. All panel points on such webs shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of each web panel point.

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