

Res B.B.R. inc., Saints-Anges, Beauce, Canada, Pascal Gilbert 6.500 e Mar 8 2007 MiTek Industries, Inc. Thu Jul 30 08:21:34 2009 Page 1



LUMBER		BRACING	
TOP CHORD	2 X 4 SPF No.2 *Except* T2 2 X 4 SPF 2100F 1.8E, T2 2 X 4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2 X 4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	2 X 3 SPF No.2 *Except* W1 2 X 4 SPF No.2, W5 2 X 4 SPF No.2 W5 2 X 4 SPF No.2	WEBS	1 Row at midpt 5-15, 7-15, 3-18, 9-12
REACTIONS	(lb/size) 18=2402/0-5-8, 12=2402/0-5-8 Max Horz 18=-95(LC 5) Max Uplift 18=-340(LC 7), 12=-340(LC 8) Max Grav 18=2667(LC 2), 12=2667(LC 3)		

**FORCES (lb) - Maximum Compression/Maximum Tension**  
**TOP CHORD** 1-2=-390/0, 2-3=-639/83, 3-4=-3365/462, 4-5=-3029/475, 5-6=-2497/421, 6-7=-2497/421,  
7-8=-3029/475, 8-9=-3365/462, 9-10=-639/83, 10-11=-390/0  
**BOT CHORD** 1-18=0/418, 17-18=-426/3102, 16-17=-301/2688, 15-16=-301/2688, 14-15=-227/2688,  
13-14=-227/2688, 12-13=-335/3102, 11-12=0/418  
**WEBS** 3-17=-395/172, 5-17=-15/499, 5-15=-1304/267, 6-15=-195/1440, 7-15=-1304/267, 7-13=-15/499,  
9-13=-395/172, 3-18=-3217/421, 2-18=-702/212, 9-12=-3217/422, 10-12=-702/212

- 1) Wind: ASCE 7-02; 90mph; h=25ft; TCDL=4.2psf; BCDL=6.0psf; Category II; Exp B; partially; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.15 plate grip DOL=1.15.
- 2) TCLL: ASCE 7-02; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 340 lb uplift at joint 18 and 340 lb uplift at joint 12.
- 7) This truss is designed in accordance with the 2003 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.