

<p>New carpet roof extension 14' x 30'</p> <p>Shingle roof only to match existing</p>	<p>Existing carpet open area 30' x 30'</p>	<p>Existing garage</p>
<p>Existing gravel floor No electric No plumbing No walls</p>		

Job 150505-T	Truss T05GS	Truss Type GABLE	Qty 1	Py 1	CARVSO
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Structures R.B.R. Inc., Saint-Anges, Beauce, Canada, C.Picard | Job Reference (optional)
7.810 e Jan 29 2015 MITek Industries, Inc. Tue Mar 31 16:18:01 2015 Page 1
ID:JB9DqPdAhE4VkpN6draEzhFIT-x?CG4c9ML6ff7tcQqv3EGurarg3ObTclPDzbZFyz/VNW4

LOADING (psf)	SPACING- 2-0-0	CSL	DEFL in (occ)	PLATES GR8P
TCLL 77.0 (Ground Snow=100.0)	Plate Grip DOL 1.15	TC 0.41	Vert(LL) -0.81 29 >619 360	MT20 197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.68	Vert(TL) -0.79 29 >479 240	MT18HS 197/144
BCLL 0.0	Rep Stress Incr YES	WB 0.92	Horz(TL) 0.96 22 n/a n/a	
BCDL 8.0	Code IBC2009/TP12007	(Matrix)	Wind(LL) 0.17 32 >999 240	

LUMBER- TOP CHORD 2x5 SPF 2100F 1.8E BOT CHORD 2x5 SPF 2100F 1.8E *Except B1: 2x4 SPF 1650F 1.5E WEBS 2x4 SPF No.2 *Except W6: 2x4 SPF 1650F 1.5E OTHERS 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-10-3 oc purfins. BOT CHORD Rigid ceiling directly applied or 9-0-0 oc bracing. JOINTS 1 Brace at J(s): 37, 42 MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
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REACTIONS. (size) 36-0-6-4, 22-0-5-4
 Max Horz36=450(LC 7)
 Max Upfl36=526(LC 8), 22=526(LC 9)
 Max Grav36=3226(LC 1), 22=3226(LC 1)

FORCES. (b) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=136/21, 2-3=112/88, 3-4=6644/1000, 4-5=6397/1028, 5-6=6457/1100, 6-7=7691/1097, 7-47=7515/1100, 7-8=7493/1138, 8-9=7481/1145, 9-10=4188/596, 10-11=3954/637, 11-12=3954/650, 12-13=4188/629, 13-14=7481/852, 14-15=7493/945, 15-48=7515/919, 16-48=7691/916, 16-17=6467/848, 17-18=6397/796, 18-19=6644/777, 19-20=112/68, 20-21=136/21
BOT CHORD 1-38=0/97, 35-36=654/2580, 34-35=660/2627, 33-34=894/6831, 32-33=889/6782, 31-32=562/5291, 30-31=562/5298, 29-30=362/5298, 28-29=403/5298, 27-28=403/5298, 26-27=404/5291, 25-26=648/6792, 24-25=654/6831, 23-24=287/2627, 22-23=283/2580, 21-22=0/97
WEBS 11-29=567/3586, 29-42=3107/414, 13-42=2954/393, 13-26=339/3100, 26-43=116/398, 43-44=113/408, 16-44=106/458, 16-45=1454/112, 24-45=1860/182, 24-46=263/2990, 19-46=262/2997, 19-22=4479/598, 9-37=2954/521, 29-37=3107/648, 9-32=527/3100, 6-39=0/458, 38-39=3/408, 32-38=2/399, 34-40=1861/192, 6-40=1454/80, 3-41=333/2997, 34-41=834/2990, 3-38=4479/729, 10-37=141/172, 30-37=0/265, 9-31=14/187, 7-38=159/64, 33-39=0/128, 5-40=461/116, 4-41=0/104, 3-35=88/58, 2-36=318/83, 12-42=141/172, 28-42=13/265, 13-27=12/187, 15-43=159/70, 25-44=0/128, 17-45=461/103, 18-48=13/104, 19-23=89/58, 20-22=318/86

- NOTES-**
- 1) Wind: ASCE 7-05; 115mph; TCDL=4.2psf, BCDL=4.6psf, h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-05; P_g=100.0 psi (ground snow); P_f=77.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) All plates are 2x4 MT20 unless otherwise indicated.
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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TRUSS PLATE INSTITUTE
MEMBER OF THE
WOOD PRESERVATION BOARD

LEGEND:
◀ = RED END

BUILDING CODE:
IBC 2012 TPIC '07

CUSTOMER:
JOB NAME:
CARVSO GARAGE

JOB# 160505-T
TOWN:
PLAINFIELD, NH

NO.	DATE	DESCRIPTION

GSL : 100 PSF
TCLL : 75 PSF

DRAWN BY:
C. PICARD

DATE: 3/31/15

SCALE: 1
NTS

NOT FOR CONSTRUCTION

