Job	Truss	Truss Type	Qty	Ply	CANDAGE SMALL-US
170089-T	T01	FINK	12	1	Job Reference (optional)

Structures R.B.R. inc., Saints-Anges, Beauce, Canada, JC MARQUIS 7.640 s Oct 7 2015 MiTek Industries, Inc. Tue Jan 17 12:02:40 2017 Page 1
ID:A0SEWLrQTkp1MlLNSKTjCgzuTuO-VyIFdCLx4jnS7K??K9sV?PUNO7k3FOsSorgvGwzuTVD

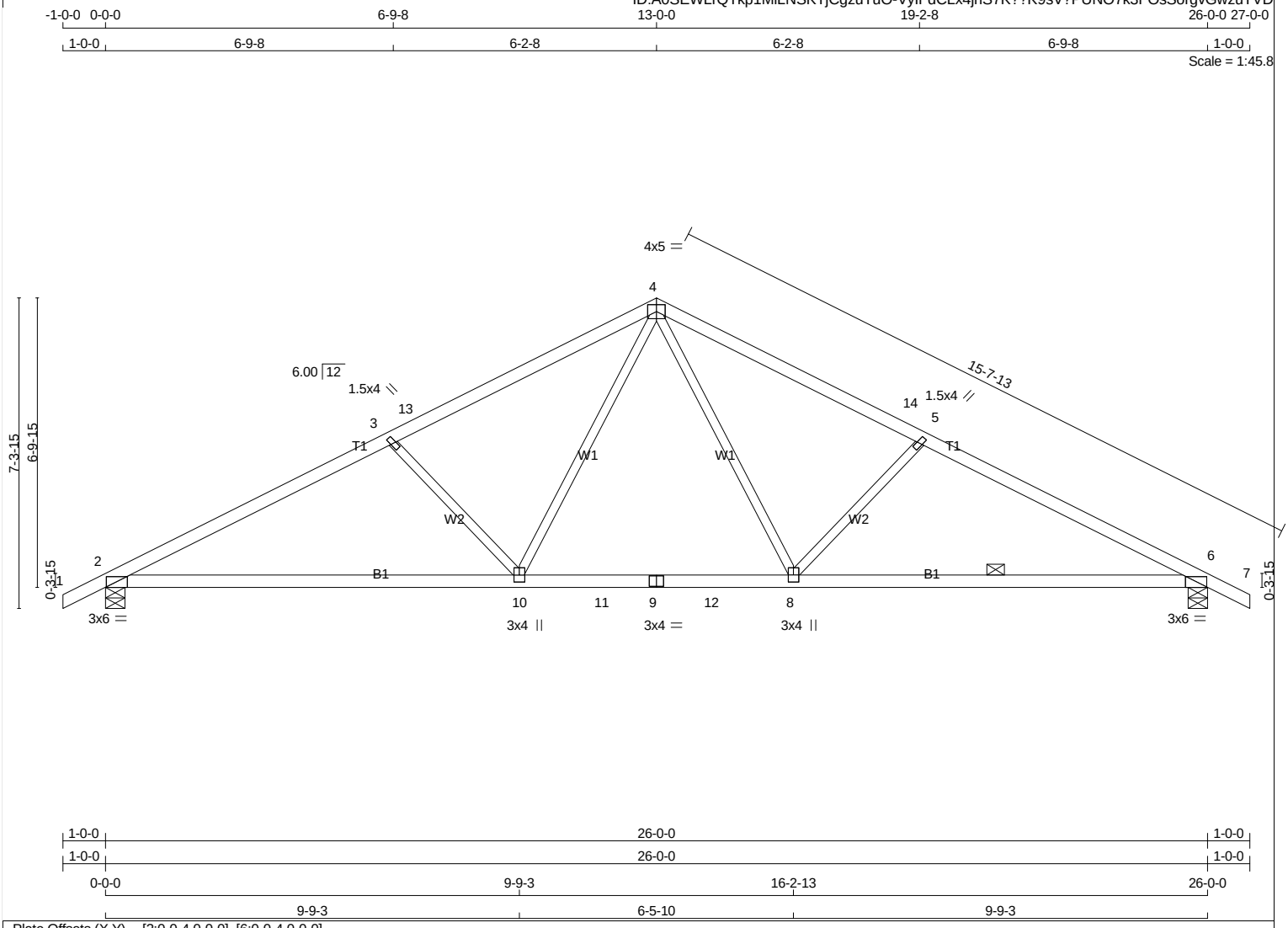

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0], [6:0-0-4,0-0-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.26	2-10	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.97	Vert(TL)	-0.60	2-10	>512	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.10	6	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.09	2-10	>999	240		
BCDL	8.0										Weight: 84 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-12 oc bracing. Except:
8-11-0 oc bracing: 6-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=120(LC 8)
Max Uplift 2=-430(LC 8), 6=-430(LC 9)
Max Grav 2=1694(LC 1), 6=1694(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/89, 2-3=-2756/613, 3-13=-2258/521, 4-13=-2089/543, 4-14=-2089/543, 5-14=-2258/522, 5-6=-2756/613, 6-7=0/89
BOT CHORD 2-10=-541/2326, 10-11=-212/1550, 9-11=-212/1550, 9-12=-212/1550, 8-12=-212/1550, 6-8=-420/2326
WEBS 3-10=-822/352, 4-10=-205/833, 4-8=-205/833, 5-8=-822/352

NOTES-
1) Wind: ASCE 7-05; 115mph; TCDL=4.2psf; BCDL=4.8psf; 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) TCLL: ASCE 7-05; 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 greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 8.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 2 and 430 lb uplift at joint 6.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CANDAGE SMALL-US
170089-T	T01G	GABLE	2	1	Job Reference (optional)

Structures R.B.R. inc., Saints-Anges, Beauce, Canada, JC MARQUIS 7.640 s Oct 7 2015 MiTek Industries, Inc. Tue Jan 17 12:02:41 2017 Page 1
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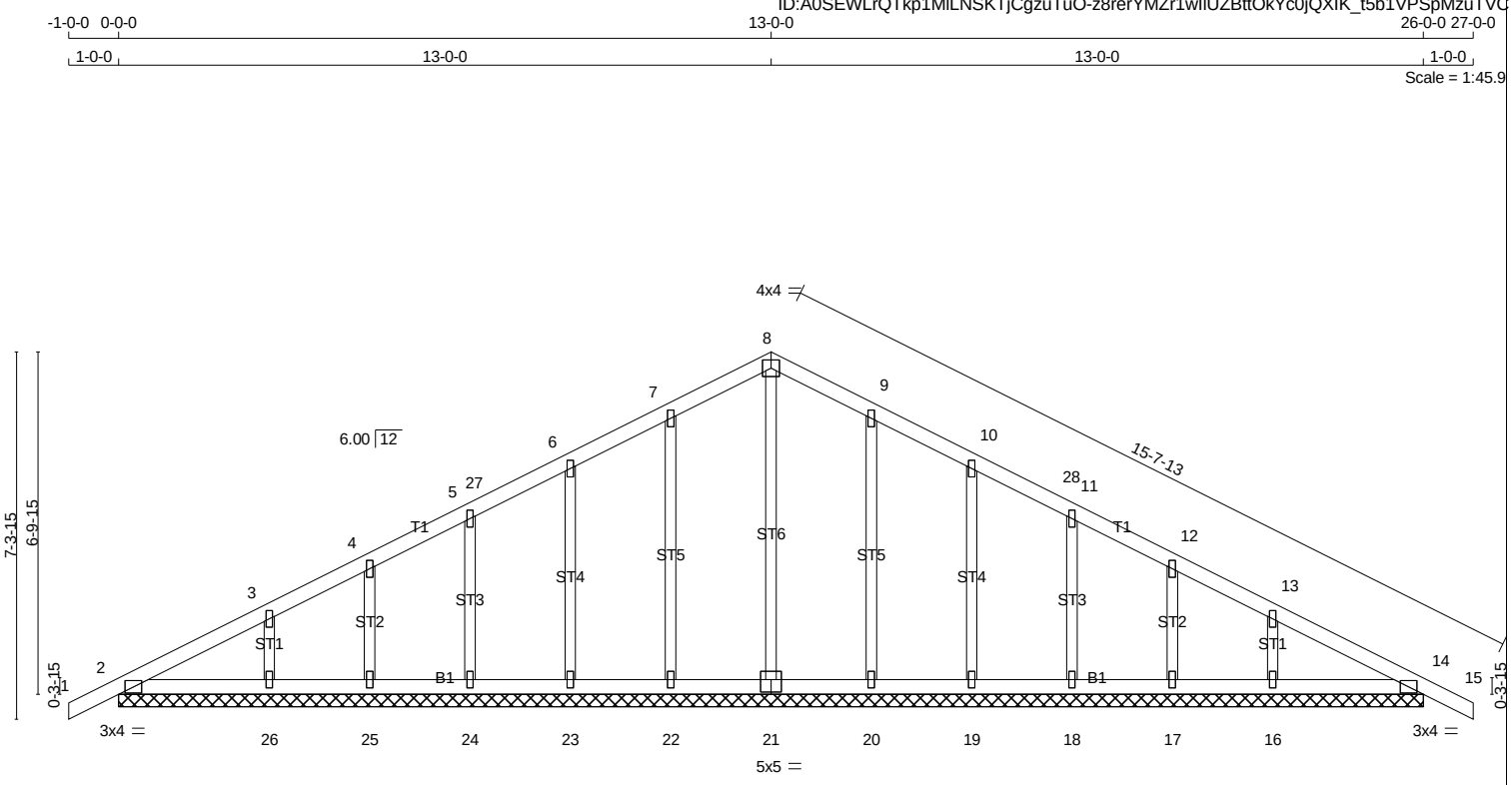

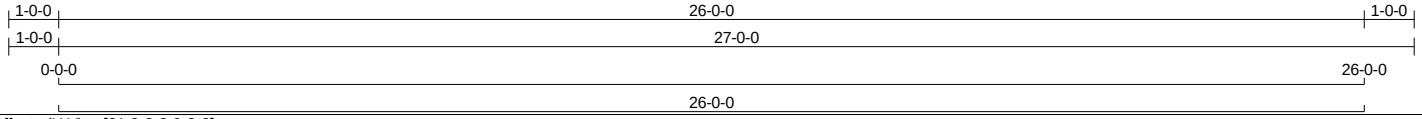

Plate Offsets (X,Y)-- [21:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.00	15	n/r	120	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	0.00	15	n/r	120		
TCDL	7.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.01	14	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)								
BCDL	8.0										Weight: 97 lb	FT = 15%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (size) 2=26-0-0, 14=26-0-0, 21=26-0-0, 22=26-0-0, 23=26-0-0, 24=26-0-0, 25=26-0-0, 26=26-0-0, 20=26-0-0, 19=26-0-0, 18=26-0-0, 17=26-0-0 , 16=26-0-0
Max Horz 2=120(LC 8)
Max Uplift 2=-55(LC 8), 14=-77(LC 9), 22=-89(LC 8), 23=-92(LC 8), 24=-91(LC 8), 25=-83(LC 8), 26=-115(LC 8), 20=-87(LC 9), 19=-93(LC 9), 18=-91(LC 9), 17=-83(LC 9), 16=-114(LC 9)
Max Grav 2=292(LC 1), 14=292(LC 1), 21=202(LC 1), 22=358(LC 13), 23=336(LC 13), 24=285(LC 13), 25=211(LC 1), 26=344(LC 13), 20=358(LC 14), 19=336(LC 14), 18=285(LC 14), 17=211(LC 1), 16=344(LC 14)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/86, 2-3=-138/48, 3-4=-84/70, 4-5=-73/106, 5-27=-85/139, 6-27=-27/145, 6-7=-92/186, 7-8=-101/222, 8-9=-101/215, 9-10=-92/160, 10-28=-27/103, 11-28=-85/96, 11-12=-73/56, 12-13=-84/23, 13-14=-98/48, 14-15=0/86
BOT CHORD 2-26=0/148, 25-26=0/148, 24-25=0/148, 23-24=0/148, 22-23=0/148, 21-22=0/148, 20-21=0/148, 19-20=0/148, 18-19=0/148, 17-18=0/148, 16-17=0/148, 14-16=0/148
WEBS 8-21=-170/0, 7-22=-326/108, 6-23=-304/111, 5-24=-250/111, 4-25=-188/100, 3-26=-289/141, 9-20=-326/106, 10-19=-304/112, 11-18=-250/111, 12-17=-188/100, 13-16=-289/140

NOTES-
1) Wind: ASCE 7-05; 115mph; TCDL=4.2psf; BCDL=4.8psf; 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; Pg= 60.0 psf (ground snow); Pf=46.2 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 greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 2, 77 lb uplift at joint 14, 89 lb uplift at joint 22, 92 lb uplift at joint 23, 91 lb uplift at joint 24, 83 lb uplift at joint 25, 115 lb uplift at joint 26, 87 lb uplift at joint 20, 93 lb uplift at joint 19, 91 lb uplift at joint 18, 83 lb uplift at joint 17 and 114 lb uplift at joint 16.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
15) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

Continued on page 2

LOAD CASE(S) Standard