

Job ROOF1	Truss 001	Truss Type FINK	Qty 5	Ply 1	384316 Boekett Bldg Supply Inc
Littfin Lumber Company, Winsted, MN, SWD					Job Reference (optional)

7.420 s Apr 11 2013 MiTek Industries, Inc. Fri Jul 05 08:04:34 2013 Page 1
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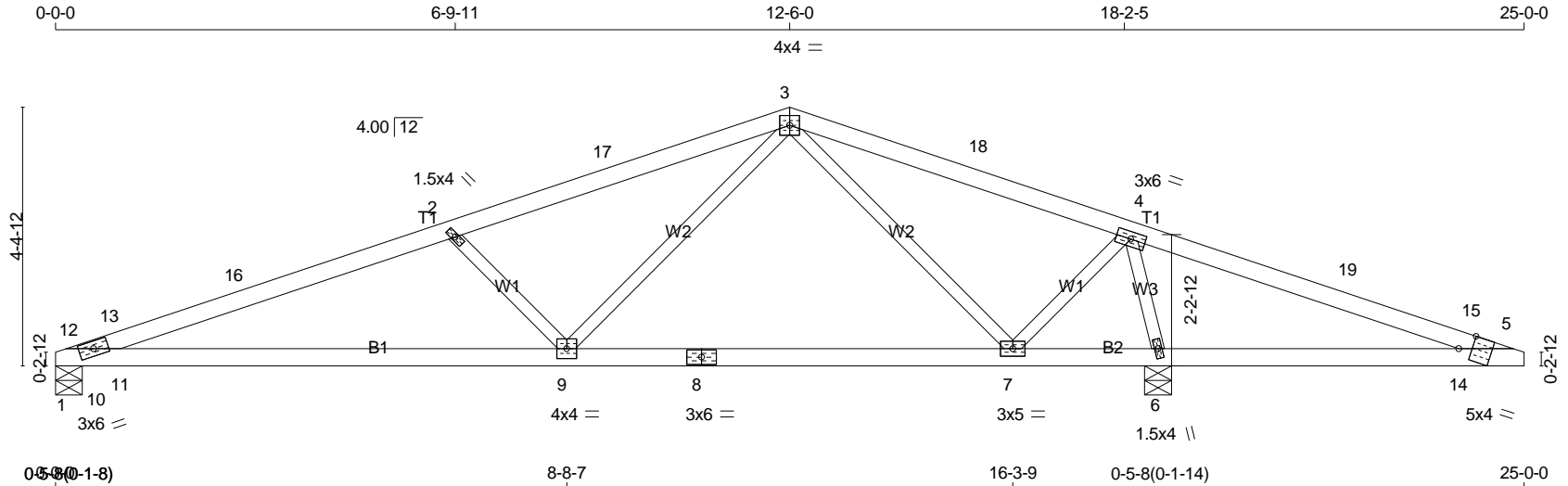


Plate Offsets (X,Y): [5:0-2-9,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.95 BC 0.86 WB 0.80 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.14 9-11 >999 240 Vert(TL) -0.34 9-11 >653 180 Horz(TL) 0.03 6 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr NO				
BCLL 0.0	Code MNSRC/TPI2002				
BCDL 10.0				Weight: 83 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.2 or 2x4 DF-N No.1/No.2
BOT CHORD 2x4 DF No.2 or 2x4 DF-N No.1/No.2
WEBS 2x3 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-5 oc bracing.

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

REACTIONS (lb/size) 1=919/0-5-8 (min. 0-1-8), 6=1786/0-5-8 (min. 0-1-14)
Max Horz 1=-34(LC 7)
Max Uplift 6=-29(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-982/0, 13-16=-1957/3, 2-16=-1912/22, 2-17=-1542/0, 3-17=-1447/9, 4-18=-276/19, 4-19=-324/938, 15-19=-329/838, 5-15=-341/862
BOT CHORD 10-11=0/911, 9-11=0/1819, 8-9=0/737, 7-8=0/737, 6-7=-430/297, 6-14=-795/337, 5-14=-795/337
WEBS 2-9=-654/105, 3-9=0/934, 3-7=-834/198, 4-7=-42/880, 4-6=-1628/176, 10-12=-465/4, 10-13=-972/0, 11-12=0/908, 14-15=-271/85

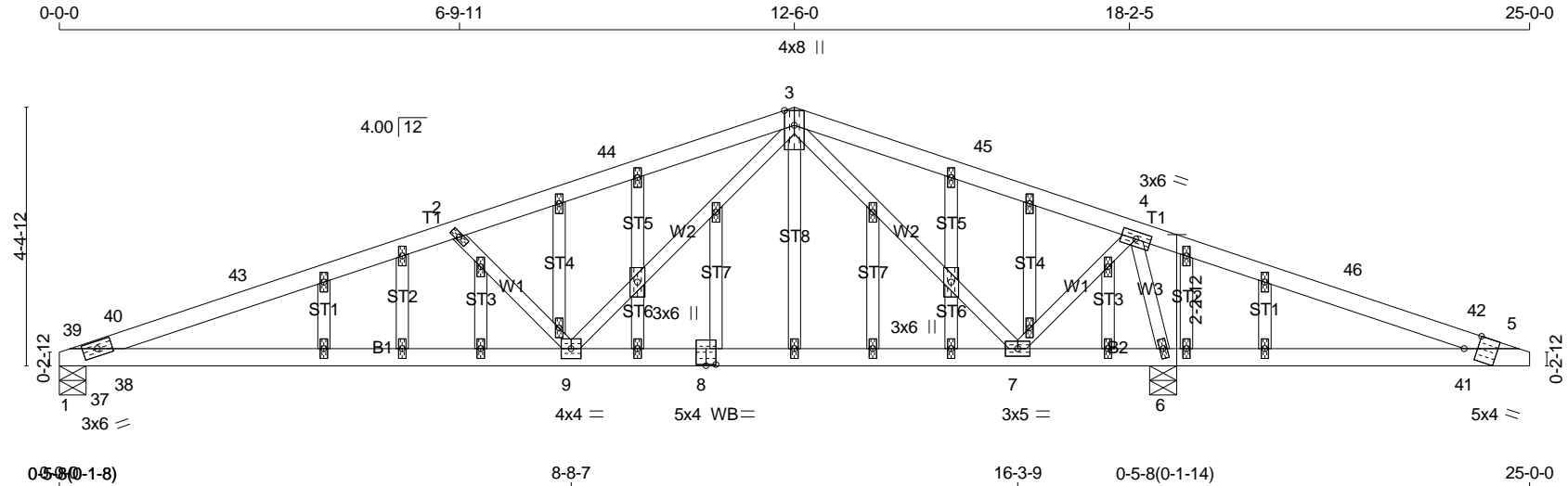
- NOTES** (7)
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 12-6-0, Exterior(2) 12-6-0 to 15-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate grip DOL=1.15
 - 2) TCLL: ASCE 7-05; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) This truss has been checked for uniform snow load only, except as noted.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 6.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

LOAD CASE(S) Standard



Job ROOF1	Truss 002	Truss Type FINK	Qty 1	Ply 1	384316 Boekett Bldg Supply Inc
Littfin Lumber Company, Winsted, MN, SWD					Job Reference (optional)

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Scale = 1:36.4

Plate Offsets (X,Y): [5:0-2-9,Edge], [8:0-2-0,0-0-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.95 BC 0.86 WB 0.80 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.14 9-38 >999 240 Vert(TL) -0.34 9-38 >653 180 Horz(TL) 0.03 6 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr NO				
BCLL 0.0	Code MNSRC/TPI2002				
BCDL 10.0				Weight: 105 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 DF No.2 or 2x4 DF-N No.1/No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins.
BOT CHORD 2x4 DF No.2 or 2x4 DF-N No.1/No.2	BOT CHORD Rigid ceiling directly applied or 5-11-5 oc bracing.
WEBS 2x3 SPF Stud	
OTHERS 2x3 SPF Stud	

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

REACTIONS (lb/size) 1=919/0-5-8 (min. 0-1-8), 6=1786/0-5-8 (min. 0-1-14)
 Max Horz 1=-34(LC 7)
 Max Uplift 6=-29(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 39-40=-982/0, 40-43=-1957/3, 2-43=-1912/22, 2-44=-1542/0, 3-44=-1447/9, 4-45=-276/19, 4-46=-324/938, 42-46=-329/838, 5-42=-341/862
 BOT CHORD 37-38=0/911, 9-38=0/1819, 8-9=0/737, 7-8=0/737, 6-7=-430/297, 6-41=-795/337, 5-41=-795/337
 WEBS 2-9=-654/105, 3-9=0/934, 3-7=-834/198, 4-7=-42/880, 4-6=-1628/176, 37-39=-465/4, 37-40=-972/0, 38-39=0/908, 41-42=-271/85

- NOTES** (10)
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 12-6-0, Exterior(2) 12-6-0 to 15-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate grip DOL=1.15
 - 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; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 4) This truss has been checked for uniform snow load only, except as noted.
 - 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 6) Gable studs spaced at 1-4-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 6.
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2



Job ROOF1	Truss 002	Truss Type FINK	Qty 1	Ply 1	384316 Boekett Bldg Supply Inc Job Reference (optional)
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Littfin Lumber Company, Winsted, MN, SWD

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10) If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

LOAD CASE(S) Standard



Job ROOF1	Truss 003	Truss Type MOD. QUEEN	Qty 12	Ply 1	384316 Boekett Bldg Supply Inc
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Littfin Lumber Company, Winsted, MN, SWD

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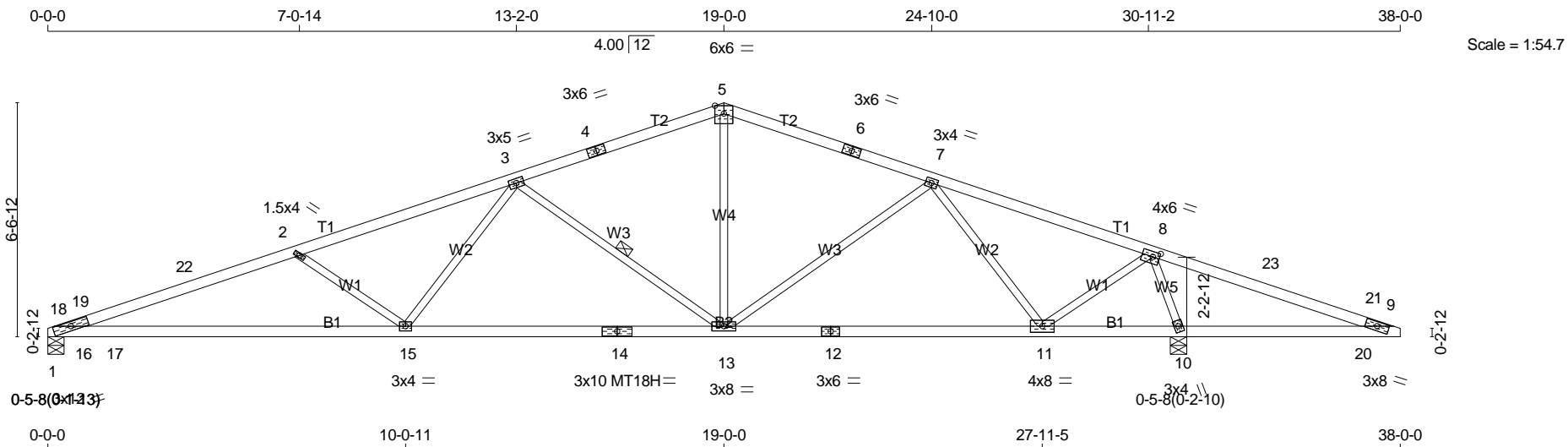


Plate Offsets (X,Y): [8:0-2-4,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.94 BC 0.95 WB 0.99 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.30 15-17 >999 240 Vert(TL) -0.72 15-17 >528 180 Horz(TL) 0.14 10 n/a n/a	MT20 MT18H	197/144 220/195
TCDL 10.0	Rep Stress Incr NO				
BCLL 0.0	Code MNSRC/TPI2002				
BCDL 10.0				Weight: 137 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except*
T2: 2x4 DF No.2 or 2x4 DF-N No.1/No.2
BOT CHORD 2x4 DF 1800F 1.6E *Except*
B2: 2x4 DF No.2 or 2x4 DF-N No.1/No.2
WEBS 2x3 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-13

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

REACTIONS (lb/size) 1=1679/0-5-8 (min. 0-1-13), 10=2456/0-5-8 (min. 0-2-10)
Max Horz 1=-60(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 18-19=-2143/8, 19-22=-4265/73, 2-22=-4198/85, 2-3=-3683/41, 3-4=-2169/44, 4-5=-2080/64, 5-6=-2080/56, 6-7=-2169/43,
7-8=-1424/14, 8-23=-286/974, 21-23=-295/873, 9-21=-317/908
BOT CHORD 16-17=-19/2002, 15-17=-29/4006, 14-15=0/2945, 13-14=0/2945, 12-13=0/1878, 11-12=0/1878, 10-11=-73/250, 10-20=-828/308,
9-20=-828/308
WEBS 2-15=-736/114, 3-15=0/791, 3-13=-1209/82, 5-13=0/832, 7-11=-1054/163, 8-11=-38/1640, 8-10=-2391/181, 16-18=-847/19,
17-19=-98/276, 16-19=-2130/2, 17-18=-11/2004, 20-21=-312/92

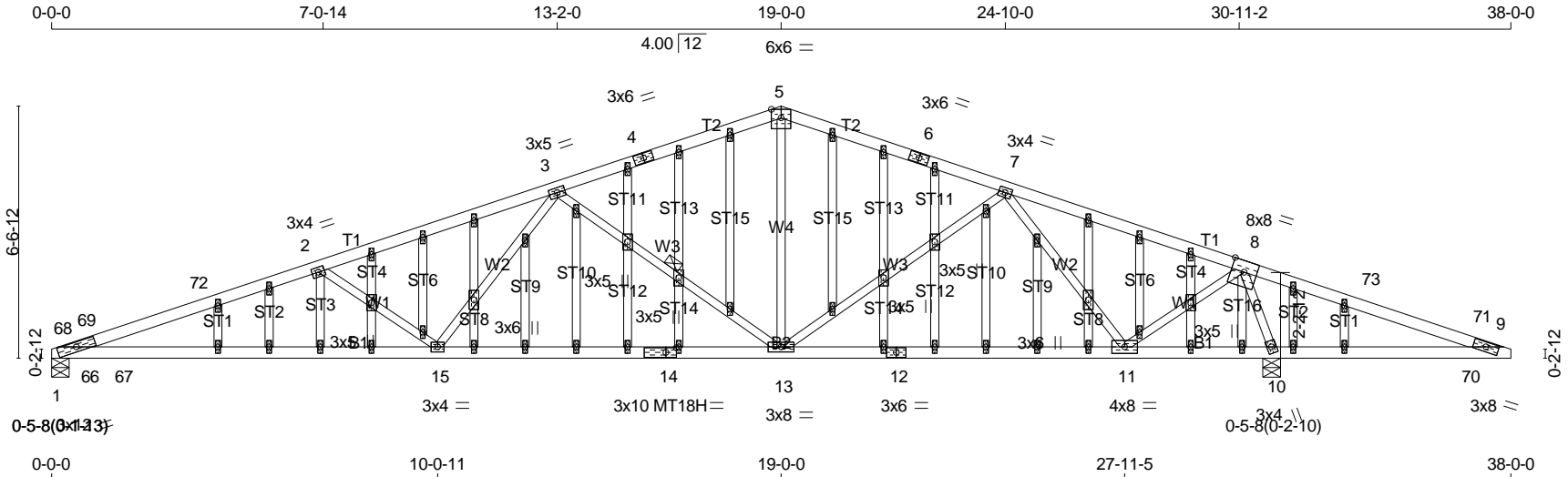
- NOTES** (7)
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 19-0-0, Exterior(2) 19-0-0 to 22-9-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate grip DOL=1.15
 - 2) TCLL: ASCE 7-05; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) This truss has been checked for uniform snow load only, except as noted.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

LOAD CASE(S) Standard



Job ROOF1	Truss 004	Truss Type GABLE	Qty 1	Ply 1	384316 Boekett Bldg Supply Inc
Littfin Lumber Company, Winsted, MN, SWD					Job Reference (optional)

7.420 s Apr 11 2013 MiTek Industries, Inc. Fri Jul 05 08:06:36 2013 Page 1
 ID:yZxhNFwBqYKWX3mcX61kv9z27rg-9x2?kVo4njGAleAXbJHb1q3AL1ijR?n0pprdvz?AeX



Scale = 1:54.7

Plate Offsets (X,Y): [14:0-3-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 35.0 (Roof Snow=35.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code MNSRC/TPI2002	TC 0.94 BC 0.95 WB 0.99 (Matrix-M)	in (loc) l/defl L/d Vert(LL) -0.30 15-67 >999 240 Vert(TL) -0.72 15-67 >528 180 Horz(TL) 0.14 10 n/a n/a	MT20 MT18H	197/144 220/195
TCDL 10.0					Weight: 192 lb FT = 20%
BCLL 0.0					
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2x4 DF 1800F 1.6E *Except* T2: 2x4 DF No.2 or 2x4 DF-N No.1/No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
BOT CHORD 2x4 DF 1800F 1.6E *Except* B2: 2x4 DF No.2 or 2x4 DF-N No.1/No.2	WEBS 1 Row at midpt 3-13
WEBS 2x3 SPF Stud	
OTHERS 2x3 SPF Stud	

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

REACTIONS (lb/size) 1=1679/0-5-8 (min. 0-1-13), 10=2456/0-5-8 (min. 0-2-10)
 Max Horz 1=-60(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 68-69=-2143/8, 69-72=-4265/73, 2-72=-4198/85, 2-3=-3683/41, 3-4=-2169/44, 4-5=-2080/64, 5-6=-2080/56, 6-7=-2169/43,
 7-8=-1424/14, 8-73=-286/974, 71-73=-295/873, 9-71=-317/908
 BOT CHORD 66-67=-19/2002, 15-67=-29/4006, 14-15=0/2945, 13-14=0/2945, 12-13=0/1878, 11-12=0/1878, 10-11=-73/250, 10-70=-828/308,
 9-70=-828/308
 WEBS 2-15=-736/114, 3-15=0/791, 3-13=-1209/82, 5-13=0/832, 7-11=-1054/163, 8-11=-38/1640, 8-10=-2391/181, 66-68=-847/19,
 67-69=-98/276, 66-69=-2130/2, 67-68=-11/2004, 70-71=-312/92

- NOTES** (10)
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 19-0-0, Exterior(2) 19-0-0 to 22-9-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate grip DOL=1.15
 - 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; Pf=35.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 4) This truss has been checked for uniform snow load only, except as noted.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 7) Gable studs spaced at 1-4-0 oc.

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Job ROOF1	Truss 004	Truss Type GABLE	Qty 1	Ply 1	384316 Boekett Bldg Supply Inc Job Reference (optional)
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Littfin Lumber Company, Winsted, MN, SWD

7.420 s Apr 11 2013 MiTek Industries, Inc. Fri Jul 05 08:06:36 2013 Page 2
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NOTES (10)

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 10) If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

LOAD CASE(S) Standard

