Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	001	ROOF TRUSS	11	1	A_MOHC_E130273_8/31/2012 1:33:57 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 7.350 s Sep 27 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:17 2012 Page 1
ID:oXFAgNR_2Do3HOZazXbHDYyiLve-LfzYg5P4MSyMAPEbpmUqubr6WhvAZ5UGrMFVXIy71wm

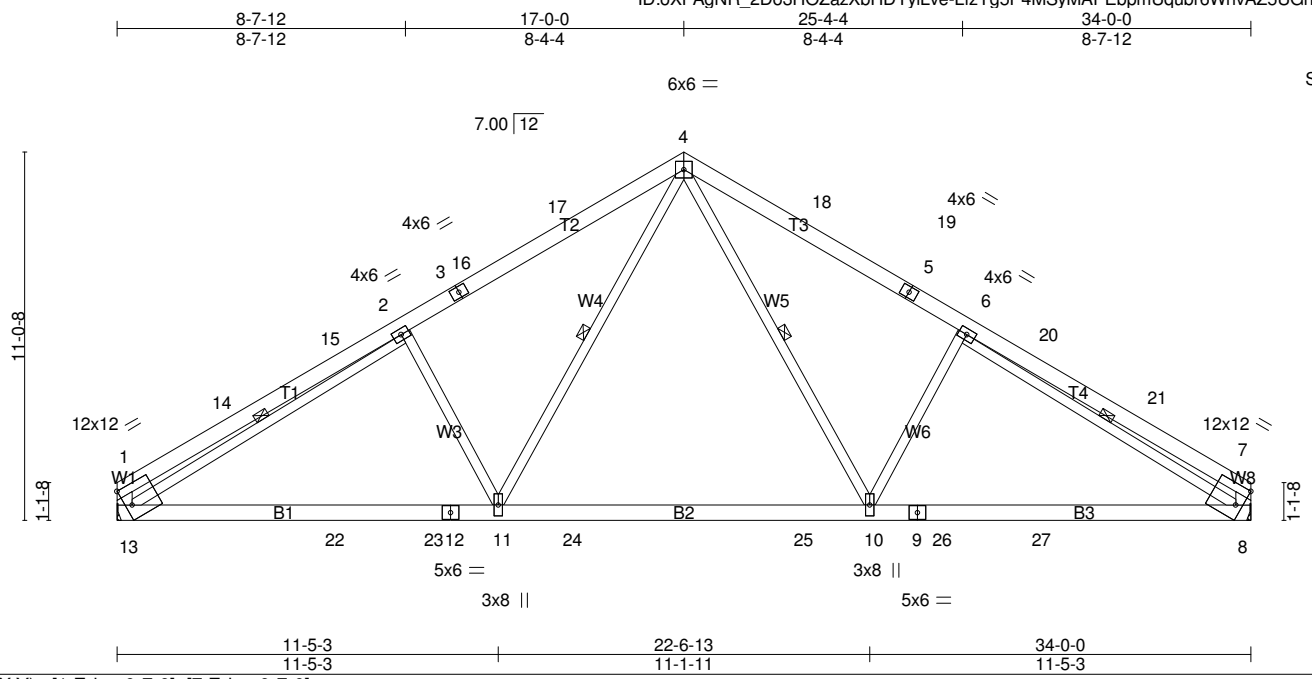

Plate Offsets (X,Y): [1:Edge,0-7-0], [7:Edge,0-7-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.80	Vert(LL)	-0.34	10-11	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.57	Vert(TL)	-0.48	10-11	>842	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.11	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 190 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2 *Except*
W1,W8: 2x6 SYP M 23, W2,W7: 2x4 SPF 1650F 1.5E

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 4-11, 2-13, 6-8

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

REACTIONS (lb/size) 13=2736/Mechanical, 8=2736/Mechanical
Max Horz 13=-585(LC 6)
Max Uplift13=-661(LC 8), 8=-661(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1445/536, 14-15=-1195/538, 2-15=-964/566, 2-3=-3635/1121, 3-16=-3494/1129, 16-17=-3340/1145, 4-17=-3309/1167, 4-18=-3309/1167, 18-19=-3340/1145, 5-19=-3494/1129, 5-6=-3635/1121, 6-20=-964/566, 20-21=-1195/538, 7-21=-1445/535, 1-13=-1099/526, 7-8=-1099/526
BOT CHORD 13-22=-742/3260, 22-23=-742/3260, 12-23=-742/3260, 11-12=-742/3260, 11-24=-301/2259, 24-25=-301/2259, 10-25=-301/2259, 9-10=-742/3260, 9-26=-742/3260, 26-27=-742/3260, 8-27=-742/3260
WEBS 4-10=-405/1521, 6-10=-1002/562, 4-11=-405/1521, 2-11=-1002/562, 2-13=-2688/582, 6-8=-2688/582

NOTES (11)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 3-7-9, Interior(1) 3-7-9 to 13-7-3, Exterior(2) 13-7-3 to 17-0-0, Interior(1) 20-4-13 to 30-4-7 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) Plate(s) at joint(s) 12 and 9 checked for a plus or minus 3 degree rotation about its center.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=661, 8=661.
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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	002	ROOF TRUSS	13	1	A_PMT_E130273_8/31/2012 1:33:51 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005 — Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:18 2012 Page 1
ID:oXFAgNR_2Do3HOZazXbHDYyiLve-prXxtQQi6m4DnZpoNU?3RoOFR5FSIZ8Q40_33ky71wl

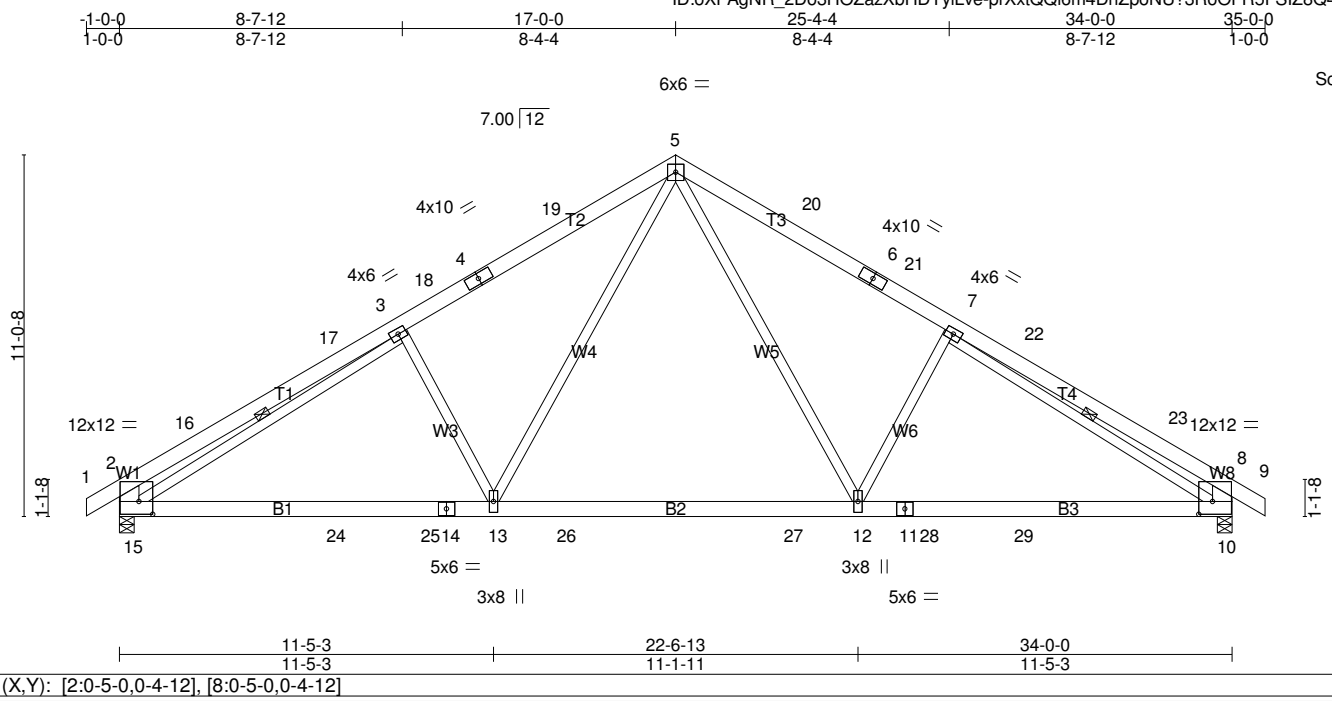

Plate Offsets (X,Y): [2:0-5-0,0-4-12], [8:0-5-0,0-4-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.91	Vert(LL)	-0.32	12-13	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.57	Vert(TL)	-0.45	12-13	>898	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.10	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 199 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF 1650F 1.5E *Except*
W6,W3: 2x4 SPF-S No.2, W1,W8: 2x8 SYP M 23

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-15, 7-10

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

REACTIONS (lb/size) 15=2888/0-5-8 (min. 0-4-8), 10=2888/0-5-8 (min. 0-4-8)
Max Horz 15=-590(LC 6)
Max Uplift15=-788(LC 8), 10=-788(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1708/700, 16-17=-1433/719, 3-17=-1230/744, 3-18=-3569/1087, 4-18=-3411/1097, 4-19=-3281/1111, 5-19=-3242/1133, 5-20=-3242/1133, 6-20=-3281/1111, 6-21=-3411/1097, 7-21=-3569/1087, 7-22=-1230/744, 22-23=-1433/719, 8-23=-1708/699, 2-15=-1434/766, 8-10=-1434/765
BOT CHORD 15-24=-628/3185, 24-25=-628/3185, 14-25=-628/3185, 13-14=-628/3185, 13-26=-212/2231, 26-27=-212/2231, 12-27=-212/2231, 11-12=-628/3185, 11-28=-628/3185, 28-29=-628/3185, 10-29=-628/3185
WEBS 5-12=-385/1492, 7-12=-972/538, 5-13=-385/1492, 3-13=-972/538, 3-15=-2455/440, 7-10=-2455/440

NOTES (10)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-4-13, Interior(1) 2-4-13 to 13-7-3, Exterior(2) 13-7-3 to 17-0-0, Interior(1) 20-4-13 to 31-7-3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=788, 10=788.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	003	GESI	1	1	A_MGE_E130273_8/31/2012 1:34:00 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005 — Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:18 2012 Page 1
ID:oXFAgNR_2Do3HOZazXbHDYyiLve-prXxtQQi6m4DnZpoNU?3RoOQA5MFIcyQ40_33ky71wl

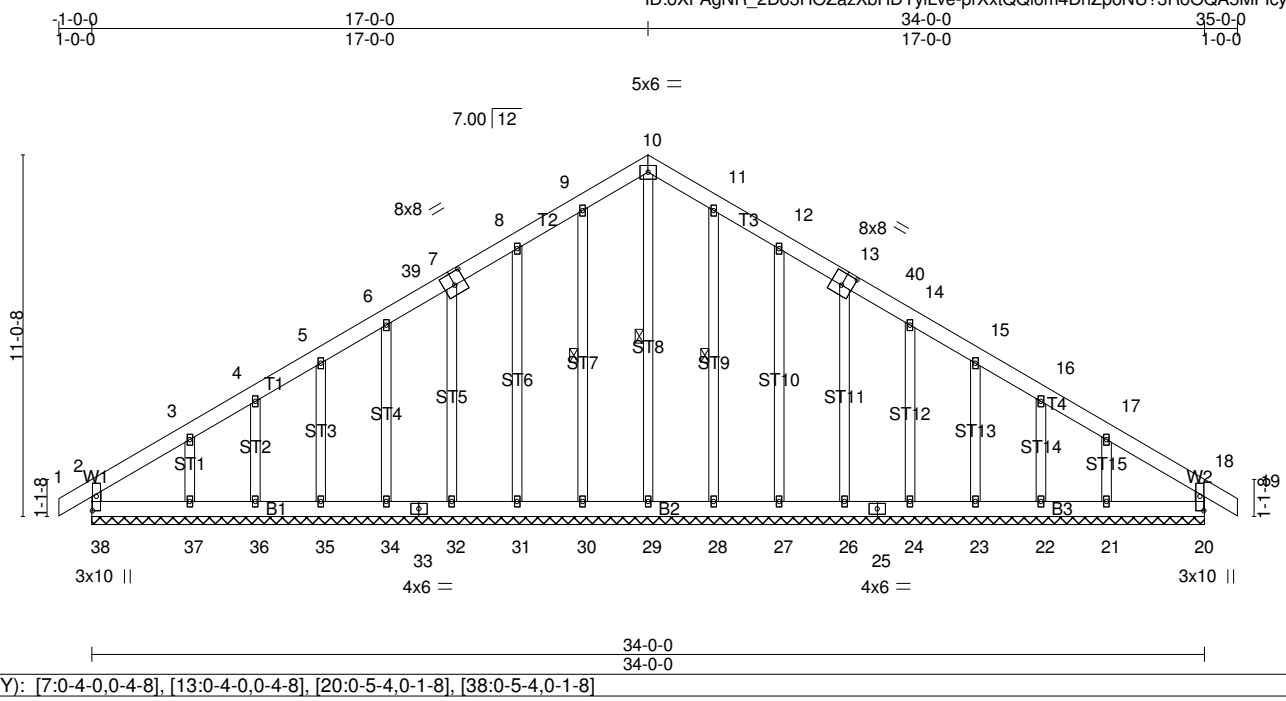

Plate Offsets (X,Y): [7:0-4-0,0-4-8], [13:0-4-0,0-4-8], [20:0-5-4,0-1-8], [38:0-5-4,0-1-8]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.23	Vert(LL)	-0.01	19	n/r	180	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.07	Vert(TL)	-0.01	19	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.01	20	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 223 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
OTHERS 2x4 SPF-S No.2 *Except*
ST8: 2x4 SPF 1650F 1.5E

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-29, 9-30, 11-28

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

REACTIONS All bearings 34-0-0.
(lb) - Max Horz 38=-594(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 30, 34, 28, 24 except 38=-263(LC 6), 20=-167(LC 7), 31=-121(LC 9), 32=-103(LC 9), 35=-138(LC 8), 36=-130(LC 8), 37=-302(LC 7), 27=-121(LC 9), 26=-103(LC 8), 23=-137(LC 9), 22=-134(LC 9), 21=-278(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 38=385(LC 1), 20=385(LC 1), 29=387(LC 9), 30=423(LC 2), 31=445(LC 2), 32=389(LC 2), 34=298(LC 2), 35=298(LC 1), 36=278(LC 2), 37=365(LC 2), 28=423(LC 3), 27=445(LC 3), 26=389(LC 3), 24=298(LC 3), 23=298(LC 1), 22=278(LC 3), 21=365(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-438/388, 3-4=-300/332, 4-5=-245/337, 5-6=-171/326, 6-39=-100/356, 7-39=-90/367, 7-8=-128/470, 8-9=-135/583, 9-10=-132/641, 10-11=-132/641, 11-12=-135/583, 12-13=-128/470, 13-40=-11/367, 14-40=-98/357, 14-15=-99/267, 17-18=-307/257, 2-38=-357/231, 18-20=-357/161
BOT CHORD 37-38=-182/307, 36-37=-182/307, 35-36=-182/307, 34-35=-182/307, 33-34=-182/307, 32-33=-182/307, 31-32=-181/307, 30-31=-181/307, 29-30=-181/307, 28-29=-181/307, 27-28=-181/307, 26-27=-181/307, 25-26=-181/307, 24-25=-181/307, 23-24=-181/307, 22-23=-181/307, 21-22=-181/307, 20-21=-181/307
WEBS 10-29=-424/0, 9-30=-383/99, 8-31=-405/203, 7-32=-349/180, 6-34=-259/174, 5-35=-257/179, 3-37=-311/272, 11-28=-383/89, 12-27=-405/203, 13-26=-349/180, 14-24=-259/174, 15-23=-257/179, 17-21=-311/267

NOTES (15)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-4-13, Exterior(2) 2-4-13 to 13-7-3, Corner(3) 13-7-3 to 17-0-0, Exterior(2) 20-4-13 to 31-7-3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.

Continued on page 2

NOTES (15)

7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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 100 lb uplift at joint(s) 30, 34, 28, 24 except (jt=lb) 38=263, 20=167, 31=121, 32=103, 35=138, 36=130, 37=302, 27=121, 26=103, 23=137, 22=134, 21=278.
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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	004	GESTR	1	1	A_MGE_E130273_8/31/2012 1:34:05 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005 — Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:19 2012 Page 1
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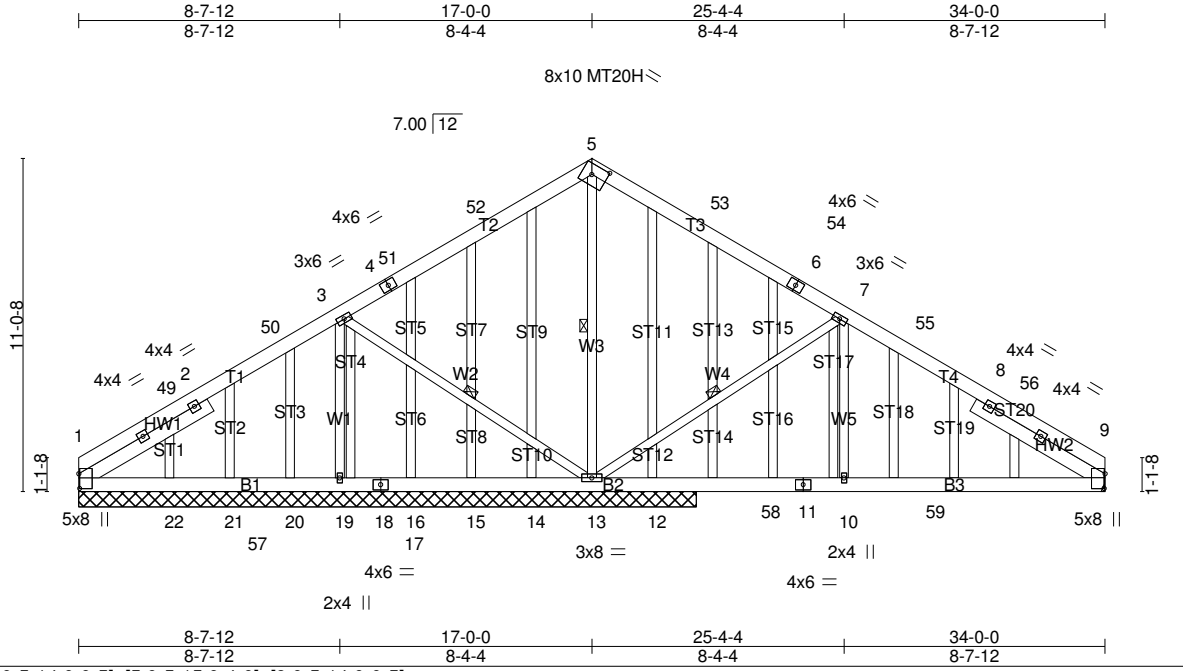

Plate Offsets (X,Y): [1:0-5-14,0-0-5], [5:0-5-15,0-4-0], [9:0-5-14,0-0-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.58	Vert(LL)	-0.06	9-10	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.35	Vert(TL)	-0.12	9-10	>999	180	MT20H	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.03	9	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 263 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2 *Except*
W3: 2x4 SPF 1650F 1.5E
OTHERS 2x4 SPF-S No.2
SLIDER Left 2x6 SPF 1650F 1.5E 4-11-14, Right 2x6 SPF 1650F 1.5E 4-11-14

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.
WEBS 1 Row at midpt 5-13, 7-13, 3-13

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

REACTIONS All bearings 20-5-8 except (jt=length) 9=Mechanical.
(lb) - Max Horz 1=-631(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 20, 21 except 1=-271(LC 8), 13=-452(LC 8), 19=-281(LC 7), 9=-493(LC 9), 22=-258(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 18, 20, 21, 12 except 1=673(LC 2), 13=1964(LC 3), 19=892(LC 2), 9=1392(LC 1), 22=373(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-49=-910/379, 2-49=-624/382, 2-50=-582/386, 3-50=-366/412, 3-4=-554/391, 4-51=-422/398, 51-52=-193/411, 5-52=-142/436, 5-53=-71/442, 53-54=-163/418, 6-54=-298/401, 6-7=-430/396, 7-55=-1292/603, 8-55=-1523/576, 8-56=-1573/569, 9-56=-1766/568
BOT CHORD 1-22=-407/503, 21-22=-407/503, 21-57=-407/503, 20-57=-407/503, 19-20=-407/503, 18-19=-407/503, 17-18=-407/503, 16-17=-407/503, 15-16=-407/503, 14-15=-407/503, 13-14=-407/503, 12-13=-256/1316, 12-58=-256/1316, 11-58=-256/1316, 10-11=-256/1316, 10-59=-256/1316, 9-59=-256/1316
WEBS 5-13=-1018/87, 7-13=-1563/552, 7-10=0/372, 3-13=-438/402, 3-19=-891/302

NOTES (12)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 13-7-3, Exterior(2) 13-7-3 to 17-0-0, Interior(1) 20-4-13 to 30-7-3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) All plates are MT20 plates unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 21 except (jt=lb) 1=271, 13=452, 19=281, 9=493, 22=258.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2

12) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	006	ROOF TRUSS	3	1	B_PMT_E130273_8/31/2012 1:34:12 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:19 2012 Page 1
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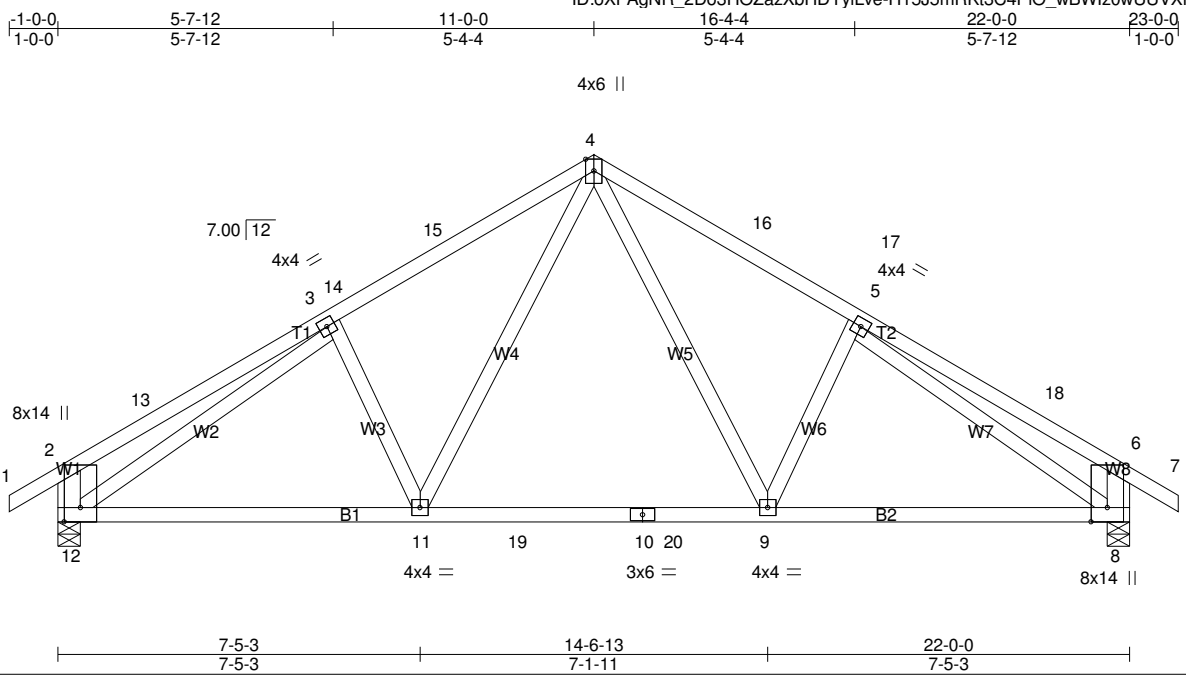

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.70	Vert(LL)	-0.19	9-11	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.78	Vert(TL)	-0.26	9-11	>990	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.07	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 100 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
B2: 2x4 SPF-S No.2
WEBS 2x4 SPF-S No.2 *Except*
W1,W8: 2x6 SPF 1650F 1.5E, W2,W7: 2x4 SYP 2700F 2.2E

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-10 oc bracing.

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

REACTIONS (lb/size) 12=1813/0-5-8 (min. 0-2-14), 8=1813/0-5-8 (min. 0-3-10)
Max Horz 12=-382(LC 6)
Max Uplift12=-571(LC 8), 8=-571(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-486/335, 3-13=-189/364, 3-14=-1988/691, 14-15=-1964/706, 4-15=-1800/724, 4-16=-1797/724, 16-17=-1961/706, 5-17=-1985/691, 5-18=-191/363, 6-18=-487/334, 2-12=-656/480, 6-8=-657/480
BOT CHORD 11-12=-394/1721, 11-19=-122/1264, 10-19=-122/1264, 10-20=-122/1264, 9-20=-122/1264, 8-9=-344/1718
WEBS 4-9=-273/796, 5-9=-545/367, 4-11=-272/802, 3-11=-545/367, 3-12=-1842/386, 5-8=-1838/387

NOTES (11)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-0-0, Exterior(2) 8-0-0 to 11-0-0, Interior(1) 14-0-0 to 20-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
5) Plate(s) at joint(s) 10 checked for a plus or minus 5 degree rotation about its center.
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 = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=571, 8=571.
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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	007	GESI	1	1	B_MGE_E130273_8/31/2012 1:34:17 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:19 2012 Page 1
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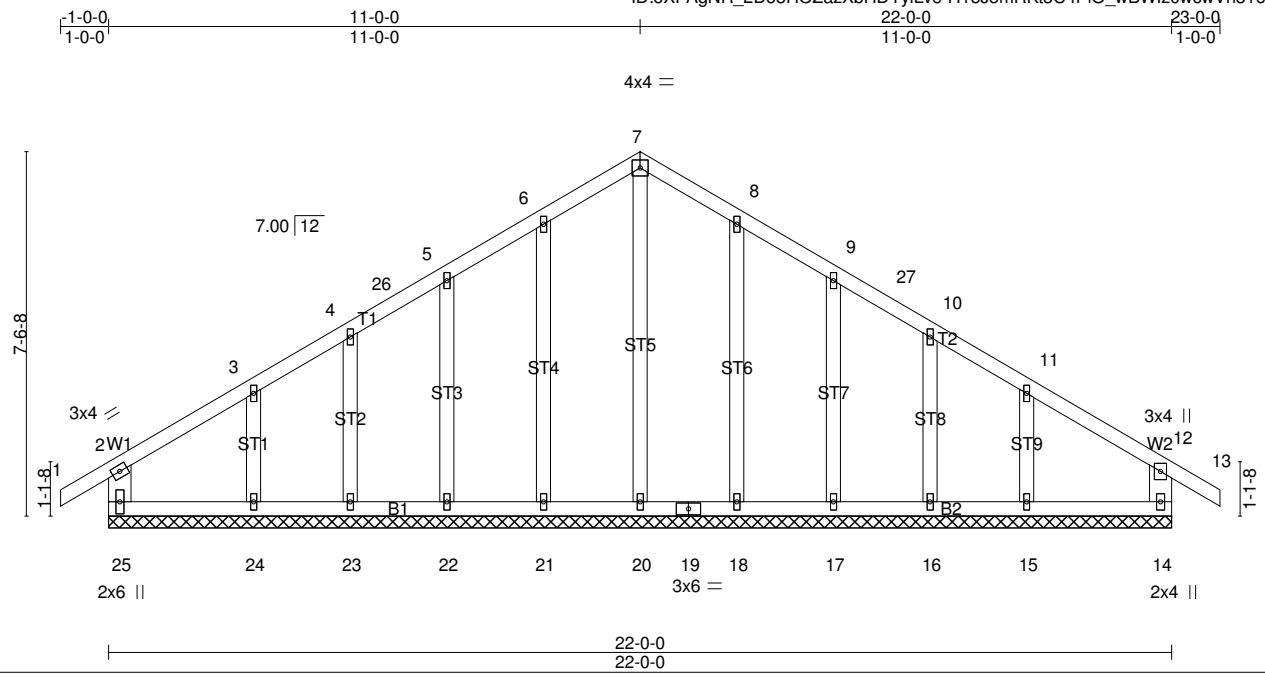

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.16	Vert(LL)	-0.01	13	n/r	180	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.15	Vert(TL)	-0.02	13	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.01	14	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 97 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E *Except*
B2: 2x4 SPF-S No.2
WEBS 2x6 SPF 1650F 1.5E
OTHERS 2x4 SPF-S No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS All bearings 22-0-0.
(lb) - Max Horz 25=-382(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 21, 18 except 25=-200(LC 6), 14=-185(LC 9), 22=-120(LC 8), 23=-127(LC 8), 24=-270(LC 7), 17=-119(LC 9), 16=-131(LC 9), 15=-246(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 25=383(LC 2), 14=383(LC 3), 20=332(LC 9), 21=423(LC 2), 22=390(LC 2), 23=290(LC 2), 24=353(LC 1), 18=423(LC 3), 17=390(LC 3), 16=290(LC 3), 15=353(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-248/274, 4-26=-83/271, 5-26=-56/278, 5-6=-103/385, 6-7=-116/478, 7-8=-116/478, 8-9=-103/385, 9-27=-15/278, 10-27=-83/271, 2-25=-356/236, 12-14=-356/234
WEBS 7-20=-337/0, 6-21=-383/160, 5-22=-349/190, 4-23=-254/160, 3-24=-302/262, 8-18=-383/160, 9-17=-349/190, 10-16=-254/159, 11-15=-301/259

NOTES (15)

1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 8-0-0, Corner(3) 8-0-0 to 11-0-0, Exterior(2) 14-0-0 to 20-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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 100 lb uplift at joint(s) 21, 18 except (jt=lb) 25=200, 14=185, 22=120, 23=127, 24=270, 17=119, 16=131, 15=246.
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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HAMMOND LUMBER 1-14 MATT
641253	007	GESI	1	1	B_MGE_E130273_8/31/2012 1:34:17 PM Job Reference (optional)

15) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	008	GIRDER	1	3	B_MOHC_E130273_8/31/2012 1:34:22 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

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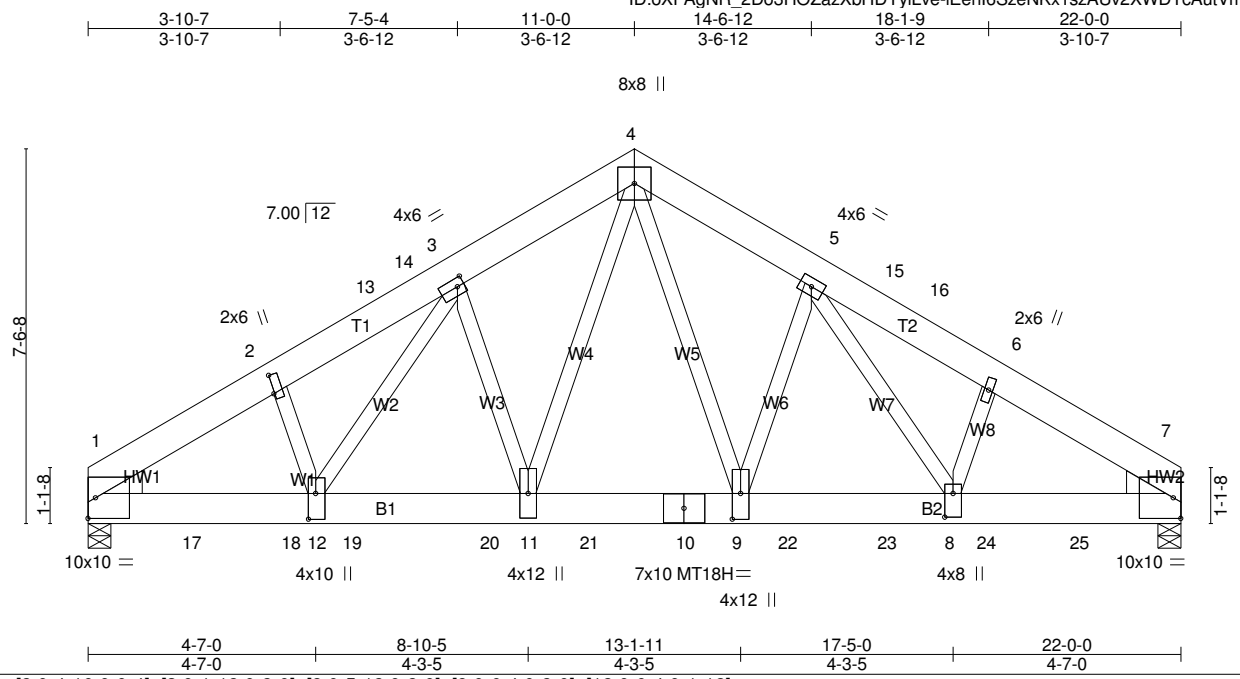

Plate Offsets (X,Y): [2:0-4-10,0-0-4], [3:0-1-12,0-2-0], [8:0-5-12,0-2-0], [9:0-6-4,0-2-0], [12:0-6-4,0-1-12]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.83	Vert(LL)	-0.15	11-12	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.72	Vert(TL)	-0.22	11-12	>999	180	MT18H	244/190
TCDL	10.0	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.08	7	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 571 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x8 SYP M 23
BOT CHORD 2x8 SYP M 23
WEBS 2x4 SPF-S No.2 *Except*
W4: 2x4 SP No.2
WEDGE
Left: 2x6 SPF 1650F 1.5E, Right: 2x6 SPF 1650F 1.5E

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.

REACTIONS (lb/size) 1=17180/0-5-8 (min. 0-4-12), 7=14547/0-5-8 (min. 0-4-0)
Max Horz 1=412(LC 6)
Max Uplift1=-4520(LC 7), 7=-3972(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-24992/6532, 2-13=-23908/6393, 13-14=-23788/6397, 3-14=-23767/6404, 3-4=-18749/5066, 4-5=-18059/4895, 5-15=-20808/5715, 15-16=-20822/5708, 6-16=-20948/5707, 6-7=-21878/5803
BOT CHORD 1-17=-5180/19789, 17-18=-5180/19789, 12-18=-5180/19789, 12-19=-4395/17264, 19-20=-4395/17264, 11-20=-4395/17264, 11-21=-3303/13376, 10-21=-3303/13376, 9-10=-3303/13376, 9-22=-4099/16203, 22-23=-4099/16203, 8-23=-4099/16203, 8-24=-4514/17329, 24-25=-4514/17329, 7-25=-4514/17329
WEBS 4-9=-2217/8136, 5-9=-1743/633, 5-8=-1138/3520, 6-8=-696/2428, 4-11=-2697/10084, 3-11=-3448/1028, 3-12=-1838/6580, 2-12=-831/2978

NOTES (14)
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 4 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
6) Unbalanced snow loads have been considered for this design.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=4520 , 7=3972.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

NOTES (14)

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2716 lb down and 707 lb up at 2-0-12, 2716 lb down and 707 lb up at 4-0-12, 5432 lb down and 1414 lb up at 5-3-8, 2716 lb down and 707 lb up at 8-0-12, 2716 lb down and 707 lb up at 10-0-12, 2716 lb down and 707 lb up at 12-0-12, 2716 lb down and 707 lb up at 14-0-12, 2716 lb down and 707 lb up at 16-0-12, and 2716 lb down and 707 lb up at 18-0-12, and 1381 lb down and 525 lb up at 19-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

14) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-128, 4-7=-128, 1-7=-20

Concentrated Loads (lb)

Vert: 10=-2716(B) 17=-2716(B) 18=-2716(B) 19=-5432(B) 20=-2716(B) 21=-2716(B) 22=-2716(B) 23=-2716(B) 24=-2716(B) 25=-1381(B)

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	009	ROOF TRUSS	7	1	C_PMT_E130273_8/31/2012 1:34:28 PM Job Reference (optional)

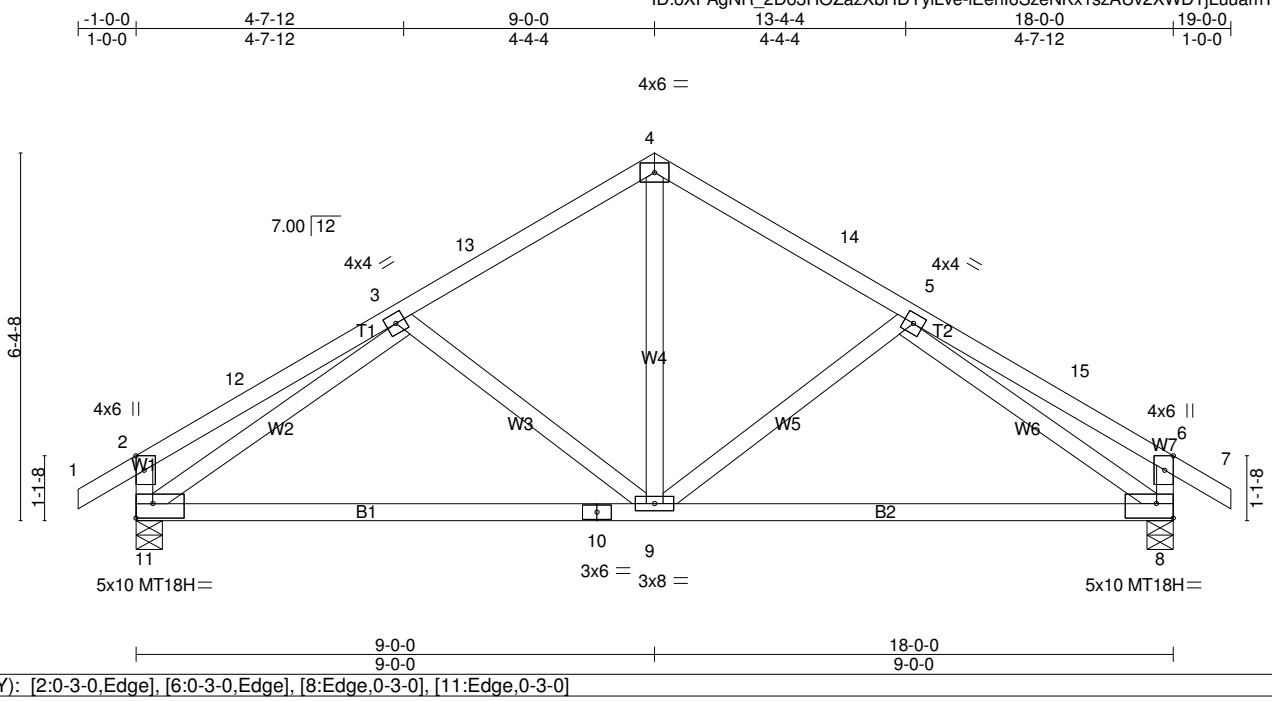

Plate Offsets (X,Y): [2:0-3-0,Edge], [6:0-3-0,Edge], [8:Edge,0-3-0], [11:Edge,0-3-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.44	Vert(LL)	-0.11	9-11	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.65	Vert(TL)	-0.28	9-11	>747	180	MT18H	169/123
TCDL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.05	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 72 lb	FT = 0%
BCDL	10.0											

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-7 oc bracing.

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

REACTIONS (lb/size) 11=1455/0-5-8 (min. 0-2-14), 8=1455/0-5-8 (min. 0-2-14)
Max Horz 11=-315(LC 6)
Max Uplift11=-498(LC 8), 8=-498(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-529/192, 3-12=-381/207, 3-13=-1295/472, 4-13=-1158/490, 4-14=-1158/490, 5-14=-1295/472, 5-15=-381/207, 6-15=-529/192, 2-11=-632/361, 6-8=-632/361
BOT CHORD 10-11=-356/1257, 9-10=-356/1257, 8-9=-275/1257
WEBS 4-9=-206/567, 5-9=-455/318, 3-9=-455/317, 3-11=-1186/393, 5-8=-1186/393

NOTES (10)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 12-0-0 to 16-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=498, 8=498.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	010	GESI	1	1	C_MGE_E130273_8/31/2012 1:34:31 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:21 2012 Page 1
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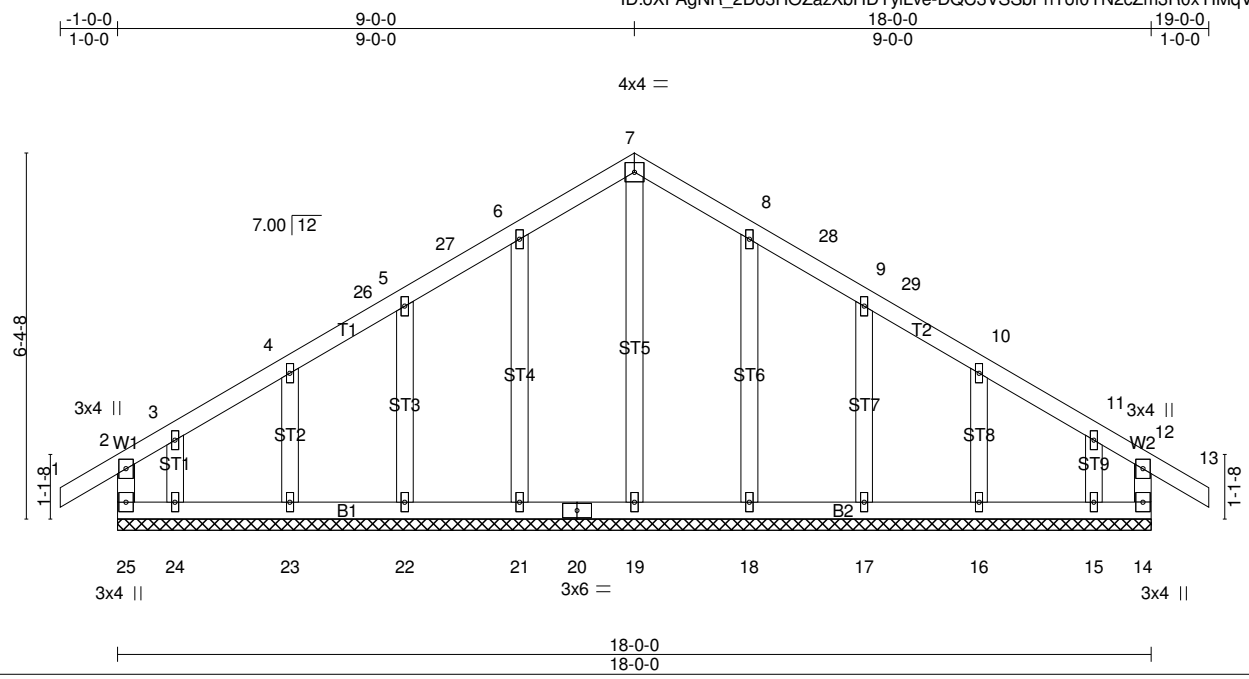

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.15	Vert(LL)	-0.01	13	n/r	180	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.14	Vert(TL)	-0.01	13	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.01	14	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 74 lb	FT = 0%
BCDL	10.0											

LUMBER

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF-S No.2
WEBS	2x4 SPF-S No.2
OTHERS	2x4 SPF-S No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS All bearings 18-0-0.

(lb) - Max Horz 25=-315(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 21, 18 except 25=-322(LC 6), 14=-217(LC 7), 22=-167(LC 8), 23=-163(LC 8), 24=-322(LC 7), 17=-167(LC 9), 16=-165(LC 9), 15=-247(LC 6)
Max Grav All reactions 250 lb or less at joint(s) 15 except 25=305(LC 7), 14=265(LC 3), 19=307(LC 1), 21=405(LC 2), 22=353(LC 2), 23=311(LC 1), 24=272(LC 6), 18=405(LC 3), 17=353(LC 3), 16=311(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-273/257, 5-27=-23/252, 6-27=-17/258, 6-7=-87/348, 7-8=-87/348, 8-28=0/258, 9-28=-77/252
WEBS	7-19=-267/0, 6-21=-364/154, 5-22=-314/189, 4-23=-268/195, 8-18=-364/154, 9-17=-314/189, 10-16=-268/196

NOTES (14)

1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 6-0-0, Corner(3) 6-0-0 to 9-0-0, Exterior(2) 12-0-0 to 16-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; 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 17.0 psf or 1.00 times flat roof load of 53.9 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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 100 lb uplift at joint(s) 21, 18 except (jt=lb) 25=322, 14=217, 22=167, 23=163, 24=322, 17=167, 16=165, 15=247.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	011	GIRDER	1	3	C_MOHC_E130273_8/31/2012 1:34:36 PM Job Reference (optional)

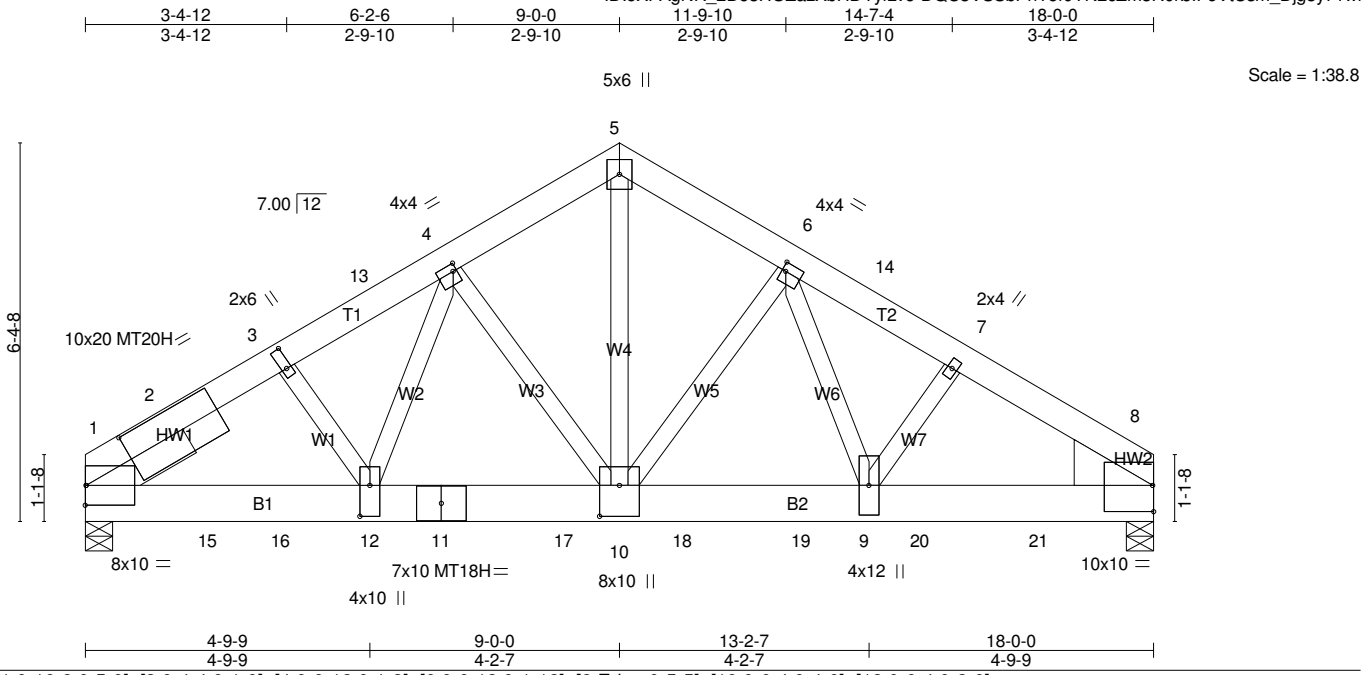

Plate Offsets (X,Y): [1:0-10-9,0-5-0], [3:0-4-4,0-1-0], [4:0-0-12,0-1-8], [6:0-0-12,0-1-12], [8:Edge,0-5-5], [10:0-6-4,0-4-0], [12:0-6-4,0-2-0]

LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	1.00	Vert(LL)	-0.12	9-10	>999	240	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.63	Vert(TL)	-0.17	9-10	>999	180	MT20H	148/108
TCDL	10.0	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.05	8	n/a	n/a	MT18H	244/190
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 393 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x8 SYP M 23
WEBS 2x4 SPF-S No.2 *Except*
W4: 2x4 SP No.2
WEDGE
Right: 2x10 SYP M 23
SLIDER Left 2x6 SPF 1650F 1.5E 1-10-9

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=14454/0-5-8 (min. 0-4-0), 8=12584/0-5-8 (min. 0-3-8)
Max Horz 1=-348(LC 5)
Max Uplift1=-3807(LC 7), 8=-3320(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-17168/4505, 2-3=-17156/4548, 3-13=-17116/4563, 4-13=-17005/4577, 4-5=-12600/3409, 5-6=-12540/3393, 6-14=-16185/4378, 7-14=-16318/4373, 7-8=-16656/4376
BOT CHORD 1-15=-3598/13643, 15-16=-3598/13643, 12-16=-3598/13643, 11-12=-3368/13197, 11-17=-3368/13197, 10-17=-3368/13197, 10-18=-3144/12532, 18-19=-3144/12532, 9-19=-3144/12532, 9-20=-3309/12901, 20-21=-3309/12901, 8-21=-3309/12901
WEBS 5-10=-3184/11780, 6-10=-3031/910, 6-9=-1258/4564, 7-9=-604/2162, 4-10=-4223/1222, 4-12=-1475/5424, 3-12=-687/2516

NOTES (14)
1) Special connection required to distribute bottom chord loads equally between all plies.
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 4 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
6) Unbalanced snow loads have been considered for this design.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=3807 , 8=3320.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

NOTES (14)

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2716 lb down and 707 lb up at 2-0-12, 5432 lb down and 1414 lb up at 3-3-8, 2716 lb down and 707 lb up at 6-0-12, 2716 lb down and 707 lb up at 8-0-12, 2716 lb down and 707 lb up at 10-0-12, 2716 lb down and 707 lb up at 12-0-12, and 2716 lb down and 707 lb up at 14-0-12, and 2716 lb down and 707 lb up at 16-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

14) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

1) Snow: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-128, 5-8=-128, 1-8=-20

Concentrated Loads (lb)

Vert: 11=-2716(F) 15=-2716(F) 16=-5432(F) 17=-2716(F) 18=-2716(F) 19=-2716(F) 20=-2716(F) 21=-2716(F)

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	012	VALLEY	1	1	E_PMT_E130273_8/31/2012 1:34:55 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

Run: 7.350 s Jun 22 2012 Print: 7.350 s Sep 27 2012 MiTek Industries, Inc. Thu Dec 20 15:49:22 2012 Page 1
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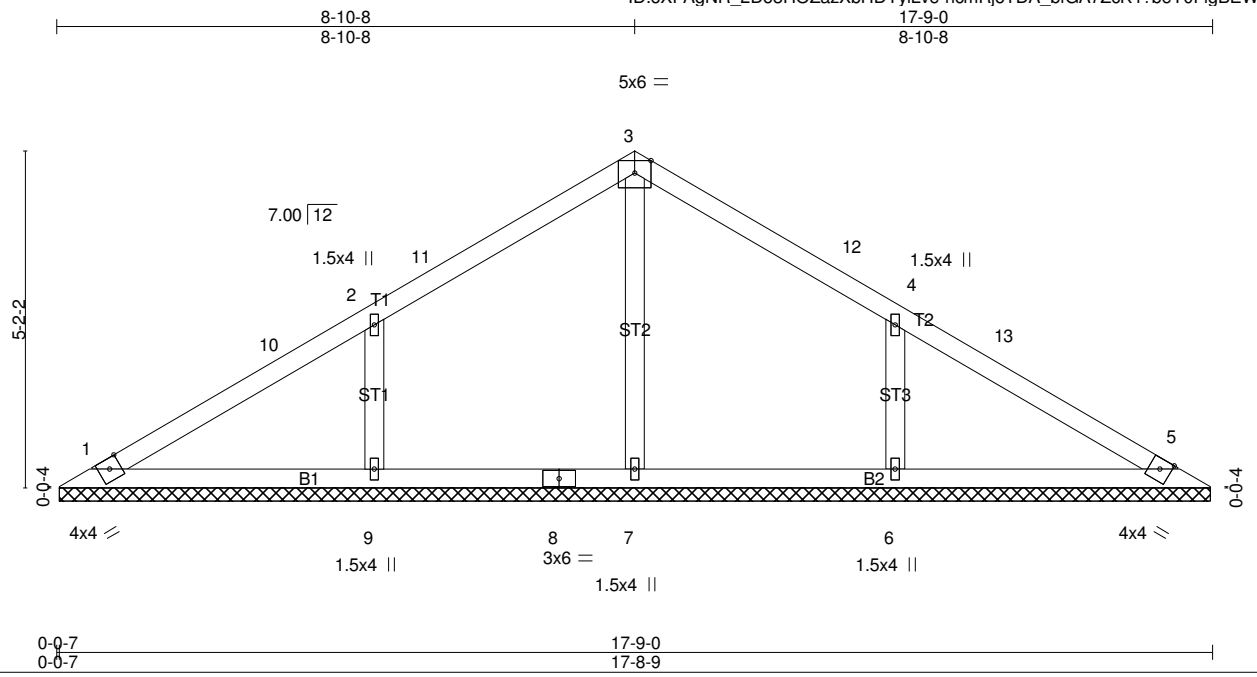


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 45 lb	FT = 0%
BCDL	10.0											

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

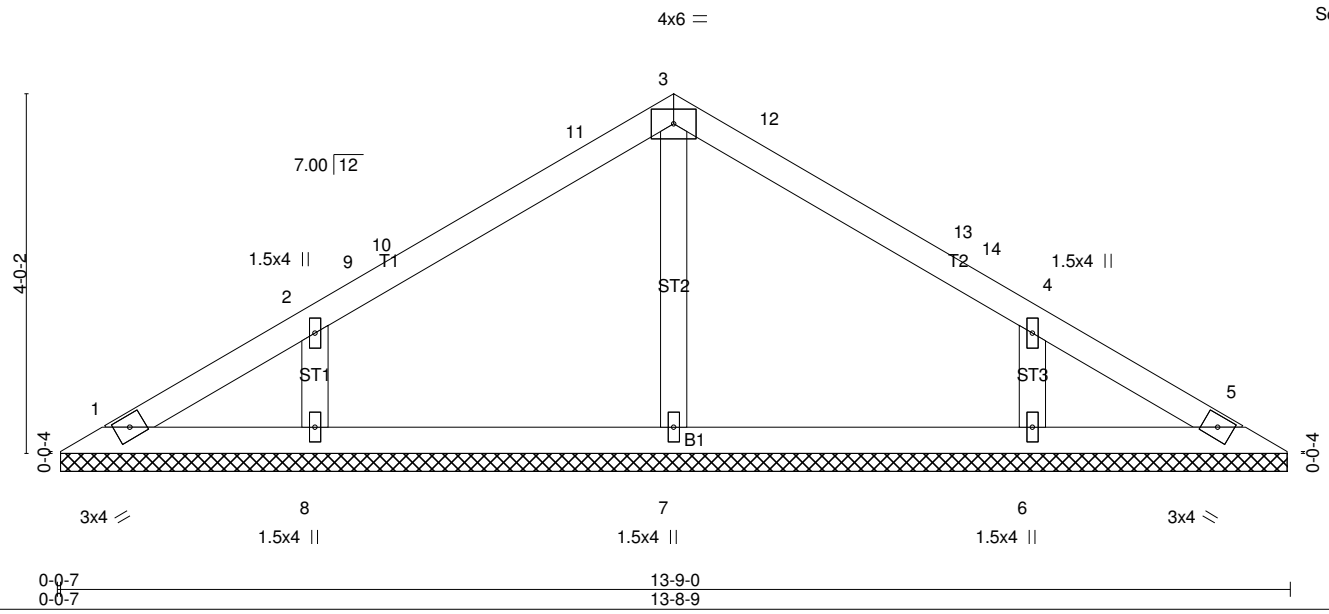
REACTIONS All bearings 17-8-2.
(lb) - Max Horz 1=-291(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-365(LC 8), 6=-365(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=287(LC 1), 5=287(LC 1), 7=459(LC 1), 9=813(LC 2), 6=813(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-7=-410/45, 2-9=-683/384, 4-6=-683/384

NOTES (9)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 5-10-8, Exterior(2) 5-10-8 to 8-10-8, Interior(1) 11-10-8 to 14-2-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=365, 6=365.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	013	VALLEY	2	1	E_MGMT_E130273_8/31/2012 1:34:55 PM Job Reference (optional)



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plates Increase	1.15	TC	0.48	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=80.0)		Lumber Increase	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 35 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x4 SPF-S No.2
BOT CHORD 2x4 SPF 1650F 1.5E
OTHERS 2x4 SPF-S 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 All bearings 13-8-2.
(lb) - Max Horz 1=-221(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-321(LC 8), 6=-321(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=537(LC 1), 8=703(LC 2), 6=703(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-256/131, 4-14=-256/131
WEBS 3-7=-453/104, 2-8=-636/361, 4-6=-636/361

NOTES (10)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 3-10-8, Exterior(2) 3-10-8 to 6-10-8, Interior(1) 9-10-8 to 10-2-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=321, 6=321.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HAMMOND LUMBER 1-14 MATT
641253	013	VALLEY	2	1	Job Reference (optional)

LOAD CASE(S) Standard Except:
Uniform Loads (plf)
Vert: 1-3=-19, 3-5=41, 1-5=-12
Horz: 1-3=7, 3-5=53

7) MWFRS Wind Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-3=41, 3-5=-19, 1-5=-12
Horz: 1-3=-53, 3-5=-7

8) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-10=67, 3-10=43, 3-5=43, 1-5=-12
Horz: 1-10=-79, 3-10=-55, 3-5=55

9) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-3=43, 3-11=43, 5-11=67, 1-5=-12
Horz: 1-3=-55, 3-11=55, 5-11=79

10) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-10=33, 3-10=23, 3-5=23, 1-5=-12
Horz: 1-10=-45, 3-10=-35, 3-5=35

11) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-3=23, 3-11=23, 5-11=33, 1-5=-12
Horz: 1-3=-35, 3-11=35, 5-11=45

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	014	VALLEY	2	1	E_MGMT_E130273_8/31/2012 1:34:55 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

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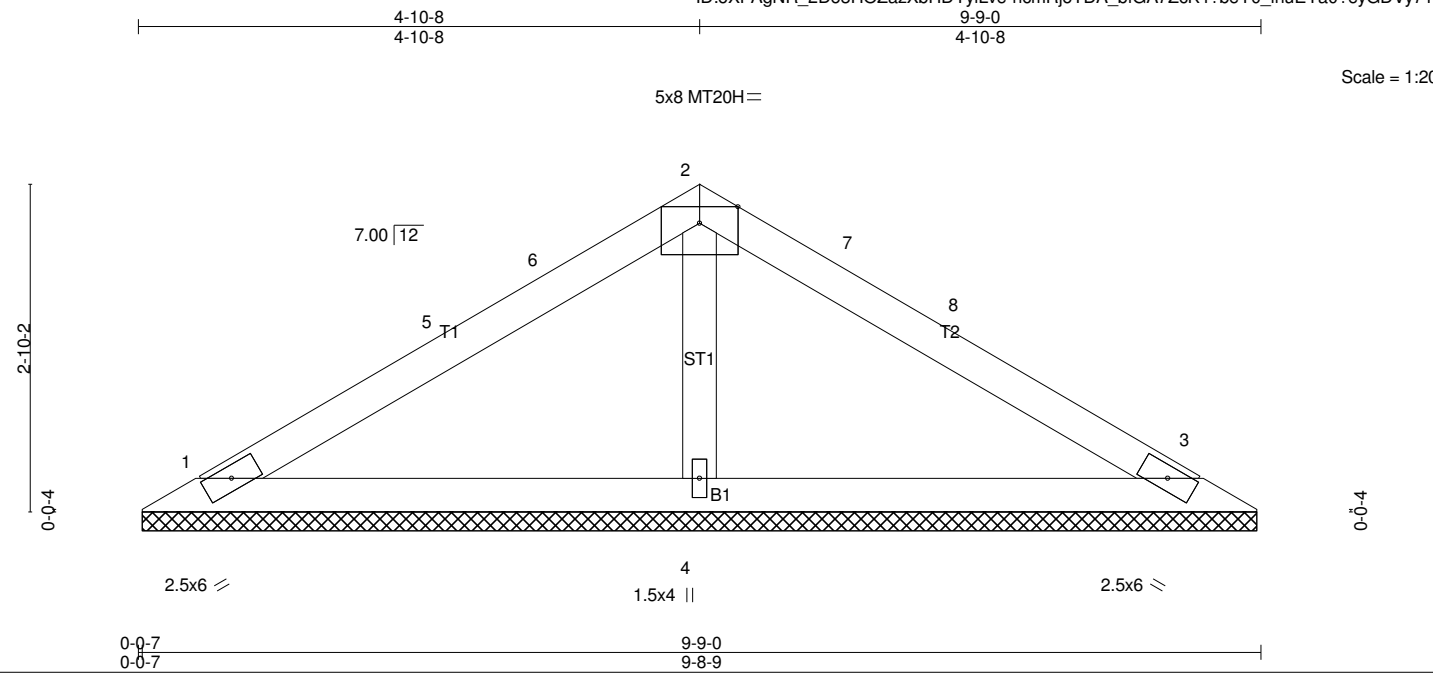

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.22	Vert(TL)	n/a	-	n/a	999	MT20H	127/93
TCDL	10.0	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 21 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x4 SPF-S No.2
BOT CHORD 2x4 SPF-S No.2
OTHERS 2x4 SPF-S 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 (lb/size) 1=309/9-8-2 (min. 0-2-9), 3=309/9-8-2 (min. 0-2-9), 4=663/9-8-2 (min. 0-2-9)
Max Horz 1=-151(LC 6)
Max Uplift1=-127(LC 8), 3=-136(LC 9), 4=-189(LC 8)
Max Grav 1=321(LC 2), 3=321(LC 3), 4=663(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-508/237

NOTES (11)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) All plates are MT20 plates unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=127, 3=136, 4=189.
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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	015	VALLEY	2	1	E_MGMT_E130273_8/31/2012 1:34:55 PM Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

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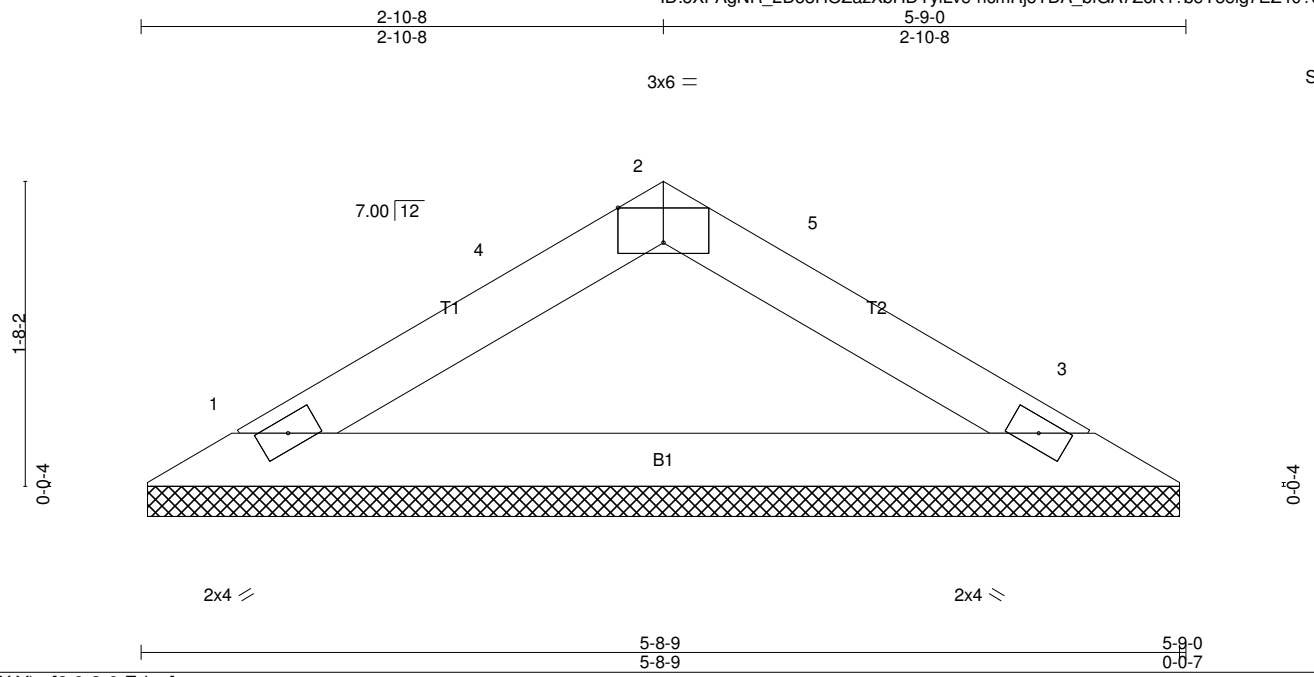


Plate Offsets (X,Y): [2:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	53.9	Plates Increase	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.26	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 11 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x4 SPF-S No.2
BOT CHORD 2x4 SPF-S No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-0 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.

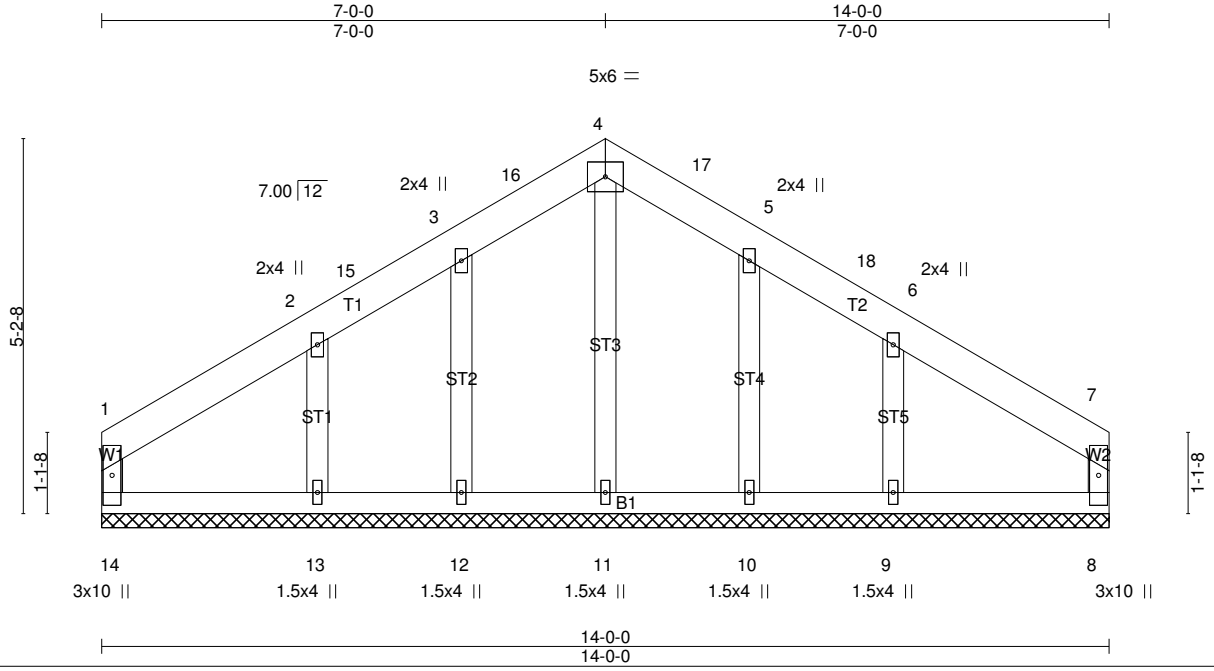
REACTIONS (lb/size) 1=345/5-8-2 (min. 0-1-8), 3=345/5-8-2 (min. 0-1-8)
Max Horz 1=82(LC 7)
Max Uplift1=-129(LC 8), 3=-129(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-356/174, 2-4=-267/179, 2-5=-267/179, 3-5=-356/174
BOT CHORD 1-3=-91/255

NOTES (10)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=129, 3=129.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	DIDONATO
641253C	016	GESI	1	1	Job Reference (optional)



LOADING (psf)		**SPACING**	2-0-0	**CSI**		**DEFL**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	53.9	Plates Increase	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=70.0)		Lumber Increase	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 62 lb	FT = 0%
BCDL	10.0											

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
OTHERS 2x4 SPF-S No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
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 All bearings 14-0-0.
(lb) - Max Horz 14=-239(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 14, 8, 12, 10 except 13=-279(LC 8), 9=-273(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 14, 8, 11 except 12=333(LC 2), 13=417(LC 2), 10=333(LC 3), 9=417(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-16=-146/276, 4-16=-78/284, 4-17=-78/284, 5-17=-146/276
WEBS 3-12=-298/120, 2-13=-364/295, 5-10=-298/120, 6-9=-364/292

NOTES (12)
1) Wind: ASCE 7-05; 120mph (3-second gust); TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) 0-1-12 to 3-0-0, Exterior(2) 3-0-0 to 4-0-0, Corner(3) 4-0-0 to 7-0-0, Exterior(2) 10-0-0 to 10-10-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; 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= 70.0 psf (ground snow); Pf=53.9 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 8, 12, 10 except (jt=lb) 13=279, 9=273.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard