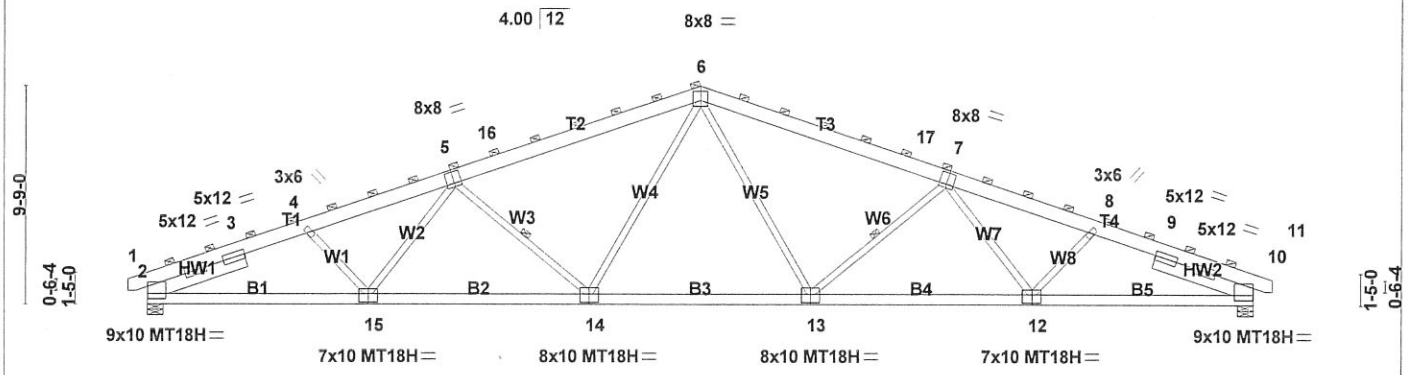
Job	Truss	Truss Type	Qty	Ply	NY State TW Batavia
11103278B	C1	DBL. FINK	27	1	NY State TW Batavia
					Job Reference (optional)

UFP Belchertown, LLC, Plant 221 — 7.250 s Jan 10 2011 MiTek Industries, Inc. Wed Nov 02 08:08:06 2011 Page 1
ID:sYzlRcK7jCx4hOkpYyNBTuyOr63-mtkpTgJyTYn68AGeoU07QmlyiHW5bP1aG7x3gByNJ9N

-0-10-8	7-3-15	13-11-0	25-0-0	36-1-0	42-8-2	50-0-0	50-10-8
0-10-8	7-3-15	6-7-2	11-1-0	11-1-0	6-7-2	7-3-15	0-10-8

Scale = 1:97.6



10-0-0	20-0-0	30-0-0	40-0-0	50-0-0
10-0-0	10-0-0	10-0-0	10-0-0	10-0-0

Plate Offsets (X,Y): [2:0-0-3,0-2-12], [5:0-4-0,0-6-0], [6:0-4-0,0-5-0], [7:0-4-0,0-6-0], [10:0-0-3,0-6-10], [12:0-5-0,0-4-8], [13:0-5-0,0-4-8], [14:0-5-0,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)		SPACING	4-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plates Increase	1.15	TC	0.91	Vert(LL)	-0.52	14	>999	240	MT20	197/144
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.70	Vert(TL)	-0.93	13-14	>642	180	MT18H	197/144
TCDL	5.0	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.36	10	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)							Weight: 379 lb	FT = 4%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 8 SYP DSS
BOT CHORD 2 X 6 SYP 2400F 2.0E
WEBS 2 X 4 SPF Stud or SPF No.2 *Except*
W4,W5: 2 X 4 SPF No.2
SLIDER Left 2 X 8 SYP DSS 4-8-8, Right 2 X 8 SYP DSS 4-8-8

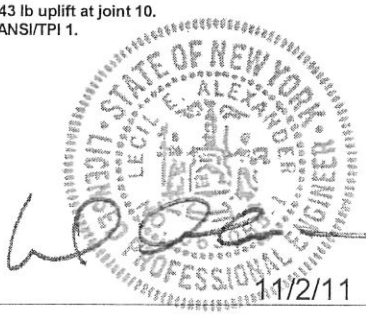
BRACING
TOP CHORD 2-0-0 oc purlins (2-4-4 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-13
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 2=4213/0-8-8 (min. 0-4-4), 10=4213/0-8-8 (min. 0-4-4)
Max Horz 2=211(LC 8)
Max Uplift2=-443(LC 9), 10=-443(LC 9)
Max Grav 2=5112(LC 2), 10=5112(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10273/858, 3-4=-9924/866, 4-5=-9891/859, 5-16=-8574/775, 6-16=-8312/813, 6-17=-8312/813, 7-17=-8574/775, 7-8=-9891/859, 8-9=-9924/866, 9-10=-10273/858
BOT CHORD 2-15=-735/9099, 14-15=-719/9282, 13-14=-453/6970, 12-13=-719/9282, 10-12=-735/9099
WEBS 4-15=0/550, 5-14=-2455/299, 6-14=-94/2348, 6-13=-94/2348, 7-13=-2455/299, 8-12=0/550

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=3.0psf; BCDL=3.0psf; h=18ft; B=160ft; L=50ft; eave=6ft; Cat. II; Exp B; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg=50.0 psf (ground snow); Ps=35.0 psf (roof snow); Category II; Exp B; Partially Exp.; Ct= 1
3) Roof design snow load has been reduced to account for slope.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.9 psf or 1.00 times flat roof load of 35.0 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) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
8) All plates are MT20 plates unless otherwise indicated.
9) The solid section of the plate is required to be placed over the splice line at joint(s) 6.
10) Plate(s) at joint(s) 6 checked for a plus or minus 1 degree rotation about its center.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 2 and 443 lb uplift at joint 10.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



11/2/11

Job	Truss	Truss Type	Qty	Ply	NY State TW Batavia
11103278B	DS1	GABLE	2	1	NY State TW Batavia

Job Reference (optional)

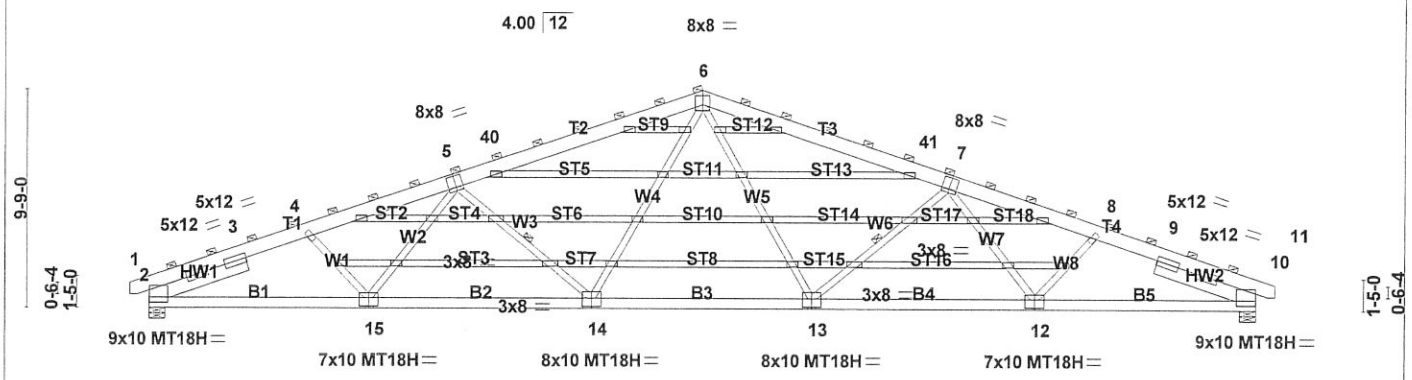
UFP Belchertown, LLC, Plant 221

7.250 s Jan 10 2011 MiTek Industries, Inc. Wed Nov 02 08:08:10 2011 Page 1

ID:sYzlRcK7jCx4hOkpYyNBTuyOr63-fezKl1MTXnHYdoaP1K53acTdhuu1XD0ABkvHpyyNJ9J

-0-10-8	7-3-15	13-11-0	25-0-0	36-1-0	42-8-2	50-0-0	50-10-8
0-10-8	7-3-15	6-7-2	11-1-0	11-1-0	6-7-2	7-3-15	0-10-8

Scale = 1:97.6



10-0-0	20-0-0	30-0-0	40-0-0	50-0-0
10-0-0	10-0-0	10-0-0	10-0-0	10-0-0

Plate Offsets (X,Y): [2:0-0-3,0-2-12], [5:0-4-0,0-6-0], [6:0-4-0,0-5-0], [7:0-4-0,0-6-0], [10:0-0-3,0-6-10], [12:0-5-0,0-4-8], [13:0-5-0,0-4-8], [14:0-5-0,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)		SPACING	4-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plates Increase	1.15	TC	0.91	Vert(LL)	-0.52	14	>999	240	MT20	197/144
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.70	Vert(TL)	-0.93	13-14	>642	180	MT18H	197/144
TCDL	5.0	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.36	10	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)							Weight: 479 lb	FT = 4%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 8 SYP DSS
BOT CHORD 2 X 6 SYP 2400F 2.0E
WEBS 2 X 4 SPF Stud or SPF No.2 *Except* W4,W5: 2 X 4 SPF No.2
OTHERS 2 X 4 SPF Stud or SPF No.2 *Except* ST8: 2 X 4 SPF No.2
SLIDER Left 2 X 8 SYP DSS 4-8-8, Right 2 X 8 SYP DSS 4-8-8

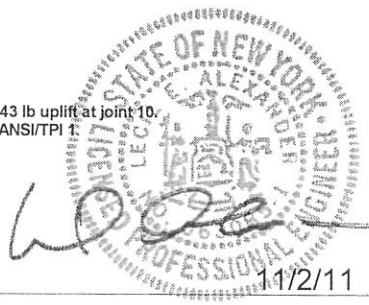
BRACING
TOP CHORD 2-0-0 oc purlins (2-4-4 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-13
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 2=4213/0-8-8 (min. 0-4-4), 10=4213/0-8-8 (min. 0-4-4)
Max Horz 2=211(LC 8)
Max Uplift2=-443(LC 9), 10=-443(LC 9)
Max Grav 2=5112(LC 2), 10=5112(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10273/858, 3-4=-9924/866, 4-5=-9891/859, 5-40=-8574/775, 6-40=-8312/813, 6-41=-8312/813, 7-41=-8574/775, 7-8=-9891/859, 8-9=-9924/866, 9-10=-10273/858
BOT CHORD 2-15=-735/9099, 14-15=-719/9282, 13-14=-453/6970, 12-13=-719/9282, 10-12=-735/9099
WEBS 4-15=0/550, 5-14=-2455/299, 6-14=-94/2348, 6-13=-94/2348, 7-13=-2455/299, 8-12=0/550

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=3.0psf; BCDL=3.0psf; h=18ft; B=160ft; L=50ft; eave=6ft; Cat. II; Exp B; enclosed; MWFRS (all heights); 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=50.0 psf (ground snow); Ps=35.0 psf (roof snow); Category II; Exp B; Partially Exp.; Ct= 1
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 19.9 psf or 1.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
8) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
9) All plates are MT20 plates unless otherwise indicated.
10) All plates are 3x6 MT20 unless otherwise indicated.
11) The solid section of the plate is required to be placed over the splice line at joint(s) 6.
12) Plate(s) at joint(s) 6 checked for a plus or minus 1 degree rotation about its center.
13) Horizontal gable studs spaced at 2-0-0 oc.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 2 and 443 lb uplift at joint 10.
15) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
16) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



11/2/11

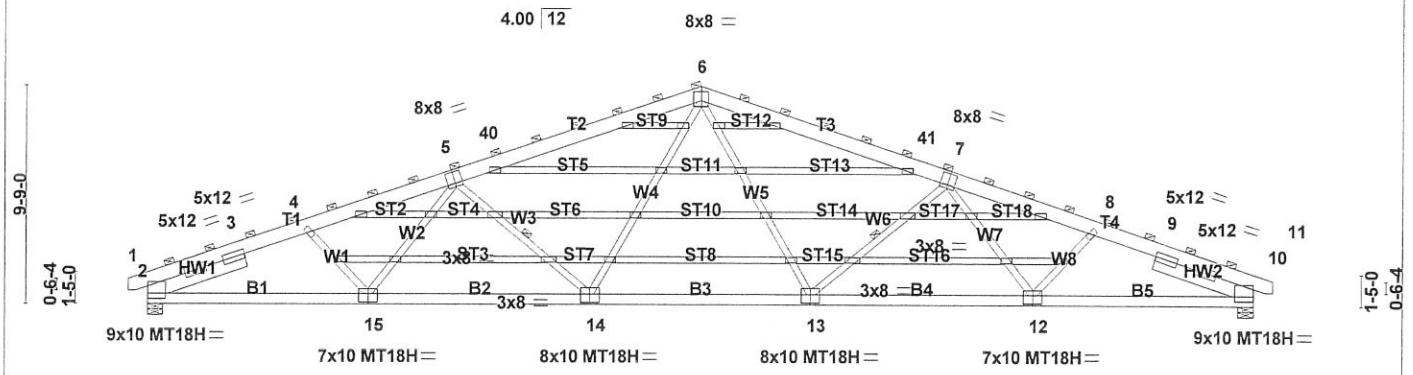
Job	Truss	Truss Type	Qty	Ply	NY State TW Batavia
11103278B	G1	GABLE	2	1	NY State TW Batavia
					Job Reference (optional)

UFP Belchertown, LLC, Plant 221

7.250 s Jan 10 2011 MiTek Industries, Inc. Wed Nov 02 08:08:13 2011 Page 1
ID:sYzlRcK7jCx4hOkpYyNBTuyOr63-3DfSx3OLqif6UFJ_iSemCE58x5vkkamcti8xQHyNJ9G

-0-10-8	7-3-15	13-11-0	25-0-0	36-1-0	42-8-2	50-0-0	50-10-8
0-10-8	7-3-15	6-7-2	11-1-0	11-1-0	6-7-2	7-3-15	0-10-8

Scale = 1:97.6



10-0-0	20-0-0	30-0-0	40-0-0	50-0-0
10-0-0	10-0-0	10-0-0	10-0-0	10-0-0

Plate Offsets (X,Y): [2:0-0-3,0-2-12], [5:0-4-0,0-6-0], [6:0-4-0,0-5-0], [7:0-4-0,0-6-0], [10:0-0-3,0-6-10], [12:0-5-0,0-4-8], [13:0-5-0,0-4-8], [14:0-5-0,0-4-8], [15:0-5-0,0-4-8]

LOADING (psf)		SPACING	4-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plates Increase	1.15	TC	0.91	Vert(LL)	-0.52	14	>999	240	MT20	197/144
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.70	Vert(TL)	-0.93	13-14	>642	180	MT18H	197/144
TCDL	5.0	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.36	10	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)							Weight: 479 lb	FT = 4%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 8 SYP DSS
BOT CHORD 2 X 6 SYP 2400F 2.0E
WEBS 2 X 4 SPF Stud or SPF No.2 *Except*
W4,W5: 2 X 4 SPF No.2
OTHERS 2 X 4 SPF Stud or SPF No.2 *Except*
ST8: 2 X 4 SPF No.2
SLIDER Left 2 X 8 SYP DSS 4-8-8, Right 2 X 8 SYP DSS 4-8-8

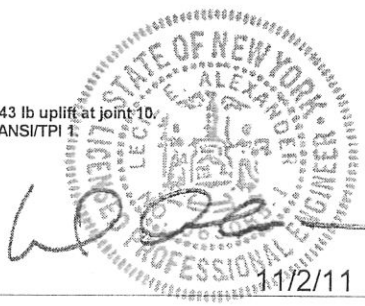
BRACING
TOP CHORD 2-0-0 oc purlins (2-4-4 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-13
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size) 2=4213/0-8-8 (min. 0-4-4), 10=4213/0-8-8 (min. 0-4-4)
Max Horz 2=211(LC 8)
Max Uplift2=-443(LC 9), 10=-443(LC 9)
Max Grav 2=5112(LC 2), 10=5112(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10273/858, 3-4=-9924/866, 4-5=-9891/859, 5-40=-8574/775, 6-40=-8312/813, 6-41=-8312/813, 7-41=-8574/775, 7-8=-9891/859, 8-9=-9924/866, 9-10=-10273/858
BOT CHORD 2-15=-735/9099, 14-15=-719/9282, 13-14=-453/6970, 12-13=-719/9282, 10-12=-735/9099
WEBS 4-15=0/550, 5-14=-2455/299, 6-14=-94/2348, 6-13=-94/2348, 7-13=-2455/299, 8-12=0/550

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=3.0psf; BCDL=3.0psf; h=18ft; B=160ft; L=50ft; eave=6ft; Cat. II; Exp B; enclosed; MWFRS (all heights); 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=50.0 psf (ground snow); Ps=35.0 psf (roof snow); Category II; Exp B; Partially Exp.; Ct= 1
4) Roof design snow load has been reduced to account for slope.
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 19.9 psf or 1.00 times flat roof load of 35.0 psf on overhangs non-concurrent with other live loads.
7) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
8) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
9) All plates are MT20 plates unless otherwise indicated.
10) All plates are 3x6 MT20 unless otherwise indicated.
11) The solid section of the plate is required to be placed over the splice line at joint(s) 6.
12) Plate(s) at joint(s) 6 checked for a plus or minus 1 degree rotation about its center.
13) Horizontal gable studs spaced at 2-0-0 oc.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 2 and 443 lb uplift at joint 10.
15) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
16) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

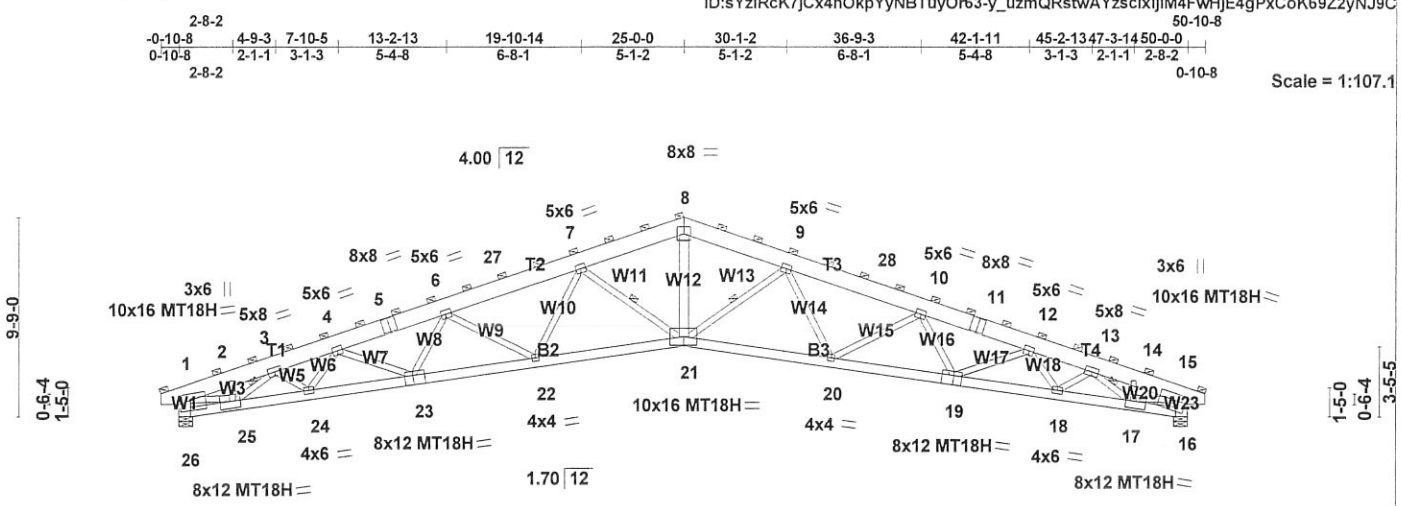
LOAD CASE(S) Standard



11/2/11

Job	Truss	Truss Type	Qty	Ply	NY State TW Batavia
11103278B	S1	SCISSORS	10	1	NY State TW Batavia
					Job Reference (optional)

UFP Belchertown, LLC, Plant 221 — 7.250 s Jan 10 2011 MiTek Industries, Inc. Wed Nov 02 08:08:17 2011 Page 1
ID:sYzlRcK7jCx4hOkpYyNBTuyOr63-y_uzmQRstwAYzsclxIjiM4FwHjE4gPxCoK69Z2yNJ9C



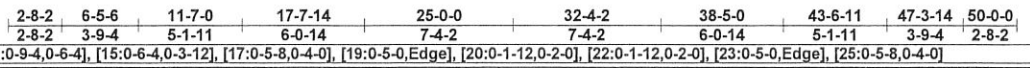


Plate Offsets (X,Y): [1:0-9-4,0-6-4], [15:0-6-4,0-3-12], [17:0-5-8,0-4-0], [19:0-5-0,Edge], [20:0-1-12,0-2-0], [22:0-1-12,0-2-0], [23:0-5-0,Edge], [25:0-5-8,0-4-0]

LOADING (psf)		SPACING	4-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plates Increase	1.15	TC	0.57	Vert(LL)	-0.99	21	>596	240	MT20	197/144
(Ground Snow=50.0)		Lumber Increase	1.15	BC	0.86	Vert(TL)	-1.67	21-22	>356	180	MT18H	197/144
TCDL	5.0	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.94	16	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix-M)							Weight: 419 lb	FT = 4%
BCDL	10.0											

LUMBER
TOP CHORD 2 X 10 SYP DSS
BOT CHORD 2 X 6 SYP 2400F 2.0E
WEBS 2 X 4 SPF Stud or SPF No.2 *Except*
W12: 2 X 6 SPF 1650F 1.5E, W1,W23: 2 X 8 SYP DSS
W2,W22: 2 X 4 SPF 2100F 1.8E

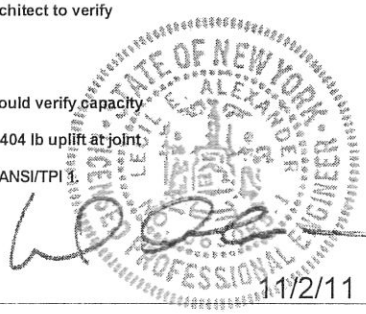
BRACING
TOP CHORD 2-0-0 oc purlins (2-8-2 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 25-26,16-17.
WEBS 1 Row at midpt 7-21, 9-21, 13-17, 3-25
JOINTS 1 Brace at Jt(s): 8, 1, 15

REACTIONS (lb/size) 26=4075/0-8-8 (min. 0-1-9), 16=4075/0-8-8 (min. 0-1-9)
Max Horz 26=-185(LC 7)
Max Uplift26=-404(LC 9), 16=-404(LC 9)
Max Grav 26=4940(LC 2), 16=4940(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8367/687, 2-3=-8305/707, 3-4=-12658/1060, 4-5=-14447/1201, 5-6=-14346/1213, 6-27=-13673/1142, 7-27=-13530/1158, 7-8=-11518/1002, 8-9=-11518/1002, 9-28=-13530/1158, 10-28=-13672/1142, 10-11=-14346/1213, 11-12=-14447/1201, 12-13=-12658/1060, 13-14=-8305/707, 14-15=-8367/687
BOT CHORD 24-25=-846/10534, 23-24=-1031/13051, 22-23=-1051/13903, 21-22=-862/12510, 20-21=-862/12510, 19-20=-1051/13903, 18-19=-1031/13051, 17-18=-846/10534
WEBS 8-21=-475/6135, 3-24=-124/2153, 4-24=-1885/189, 4-23=0/997, 6-23=-405/68, 6-22=-1220/200, 7-22=-49/1257, 7-21=-2679/255, 9-21=-2679/255, 9-20=-49/1257, 10-20=-1220/200, 10-19=-405/68, 12-19=0/997, 12-18=-1885/189, 13-18=-124/2153, 1-26=-4823/409, 15-16=-4823/409, 1-25=-641/8004, 13-17=-3911/322, 15-17=-641/8004, 3-25=-3911/322, 2-25=-306/66, 14-17=-306/66

NOTES
1) Wind: ASCE 7-05; 90mph; TCDL=3.0psf; BCDL=3.0psf; h=18ft; B=160ft; L=50ft; eave=6ft; Cat. II; Exp B; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg=50.0 psf (ground snow); Ps=35.0 psf (roof snow); Category II; Exp B; Partially Exp.; Ct= 1
3) Roof design snow load has been reduced to account for slope.
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) Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
7) All plates are MT20 plates unless otherwise indicated.
8) The solid section of the plate is required to be placed over the splice line at joint(s) 23, 19, 21.
9) Plate(s) at joint(s) 23, 19 and 21 checked for a plus or minus 1 degree rotation about its center.
10) Bearing at joint(s) 26, 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 404 lb uplift at joint 26 and 404 lb uplift at joint 16.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
14) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



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