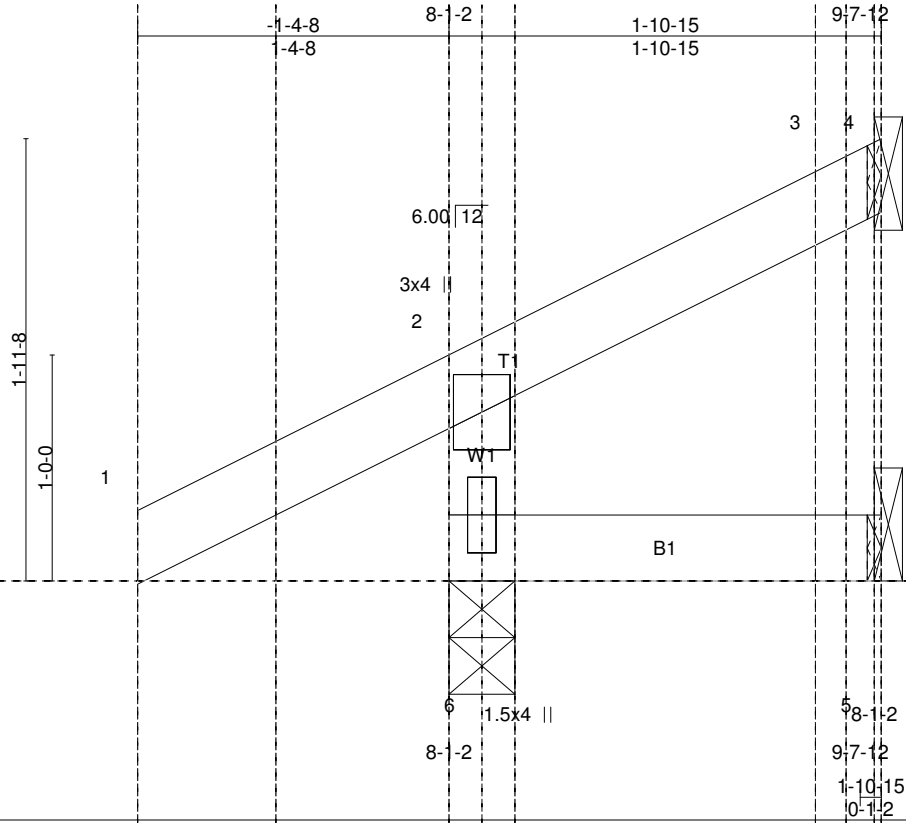


Job R10478	Truss CJ2	Truss Type Jack-Open Truss	Qty 12	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 13:59:51 2011 Page 1
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Wisconsin Building Supply, Windsor, WI

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Scale = 1:10.2



LOADING (psf) TCLL 30.0 (Roof Snow=30.0) TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	CSI TC 0.26 BC 0.06 WB 0.00 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) 0.00 6 >999 240 Vert(TL) -0.00 6 >999 180 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 7 lb
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LUMBER TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WEBS 2 X 4 SPF Stud	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 1-10-15 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
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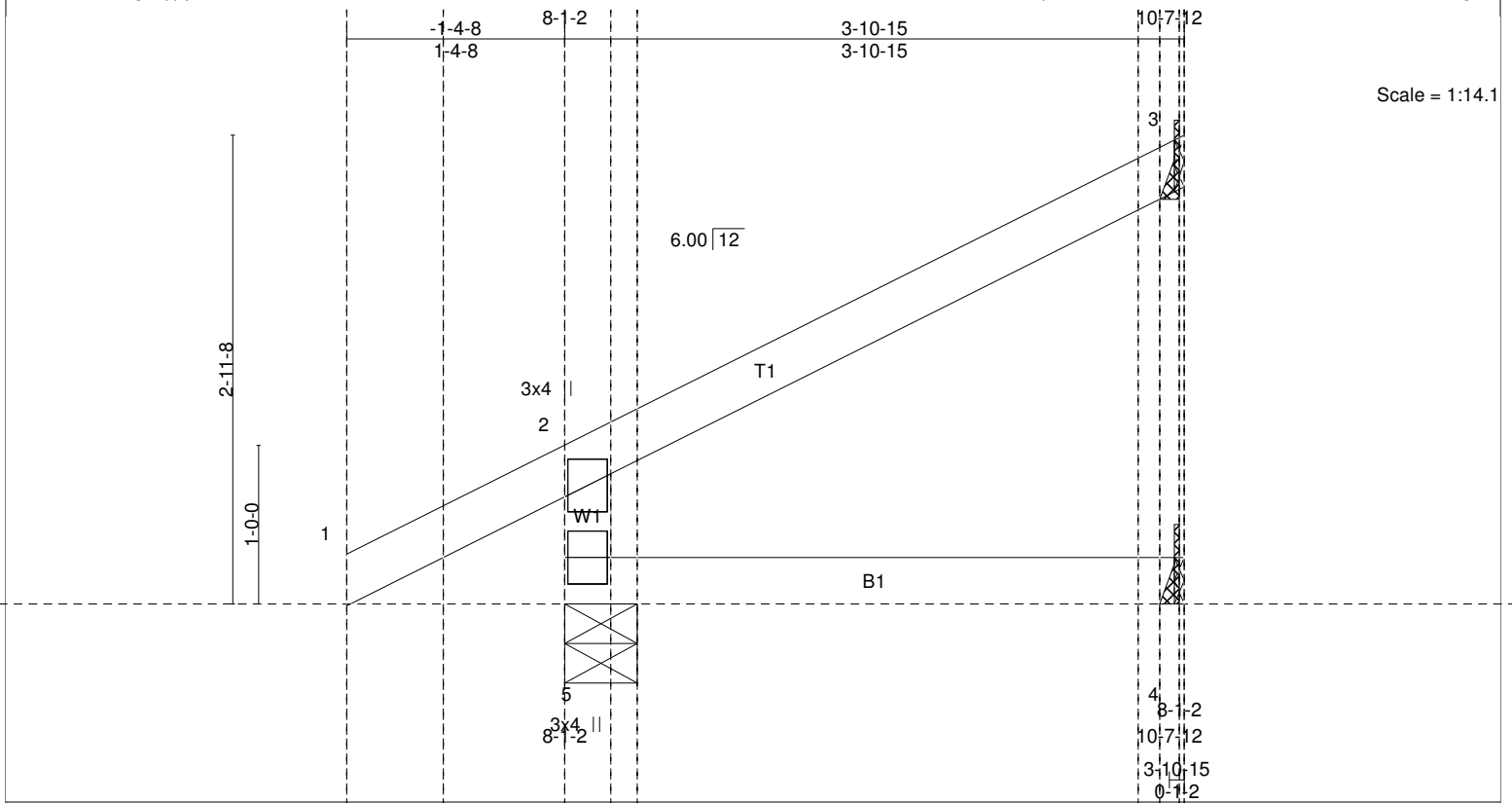
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 6=261/0-3-8 (min. 0-1-8), 5=5/Mechanical, 3=28/Mechanical
 Max Horz 6=98(LC 7)
 Max Uplift 6=-76(LC 7), 5=-1(LC 7), 3=-26(LC 7)
 Max Grav 6=306(LC 2), 5=30(LC 4), 3=32(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-6=-274/98

NOTES
 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 2) Unbalanced snow loads have been considered for this design.
 3) Plates checked for a plus or minus 5 degree rotation about its center.
 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) Refer to girder(s) for truss to truss connections.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 6, 1 lb uplift at joint 5 and 26 lb uplift at joint 3.
 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.13	Vert(LL) -0.01 4-5 >999 240		
BCLL 0.0	Lumber Increase 1.15	WB 0.00	Vert(TL) -0.02 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.01 3 n/a n/a		
	Code WISC/TPI2002			Weight: 12 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

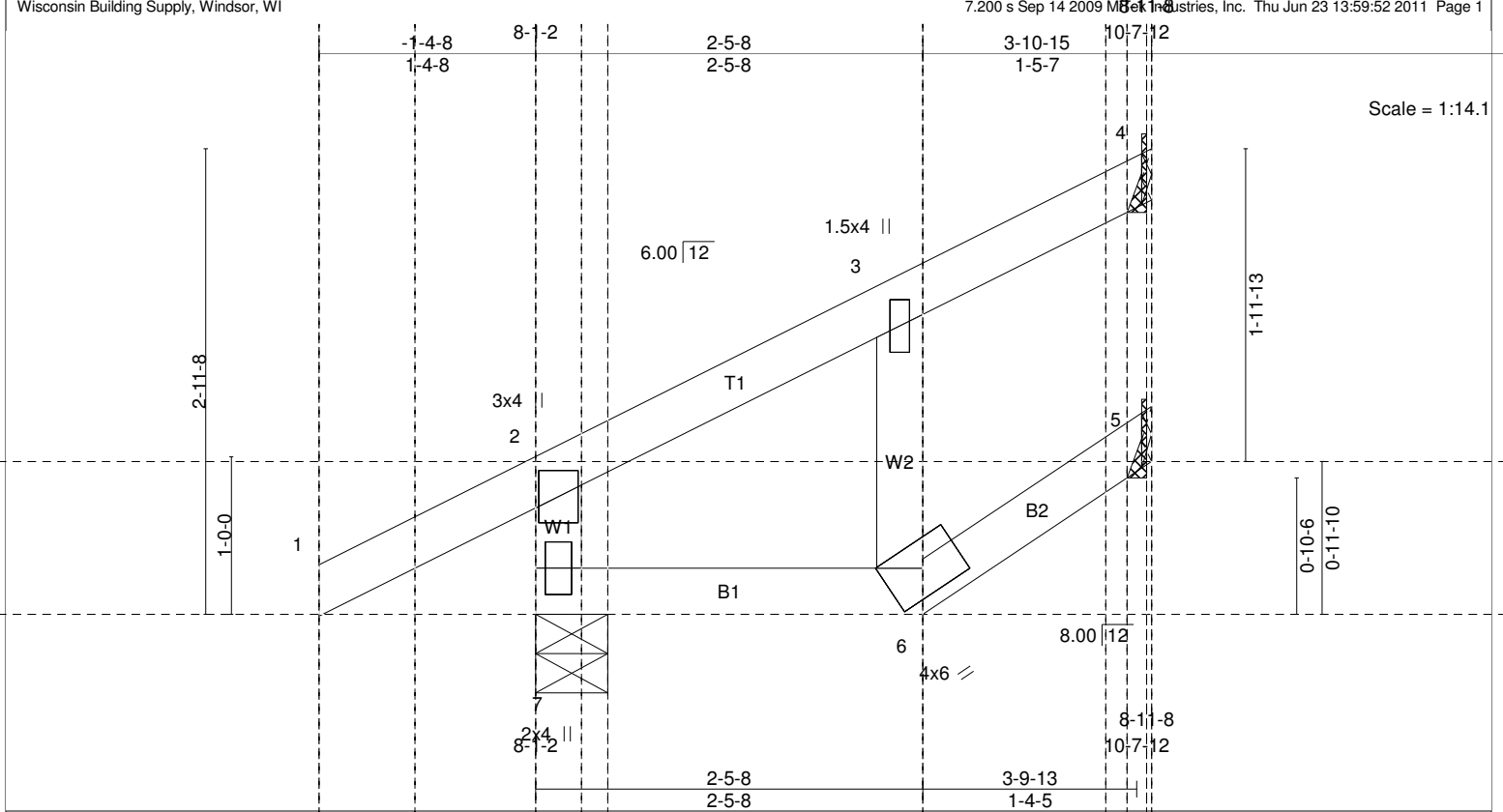
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=332/0-5-8 (min. 0-1-8), 3=122/Mechanical, 4=38/Mechanical
Max Horz 5=138(LC 7)
Max Uplift 5=-76(LC 7), 3=-66(LC 7)
Max Grav 5=387(LC 2), 3=144(LC 2), 4=69(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-352/114

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 5 and 66 lb uplift at joint 3.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0) TCDL 10.0 BCLL 0.0 BCDL 10.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.26 BC 0.20 WB 0.02 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.02 6-7 >999 240 Vert(TL) -0.03 6 >999 180 Horz(TL) -0.02 5 n/a n/a	MT20	197/144
				Weight: 14 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-15 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 (lb/size) 7=332/0-5-8 (min. 0-1-8), 4=94/Mechanical, 5=66/Mechanical
Max Horz 7=138(LC 7)
Max Uplift 7=76(LC 7), 4=42(LC 7), 5=18(LC 7)
Max Grav 7=387(LC 2), 4=109(LC 2), 5=74(LC 2)

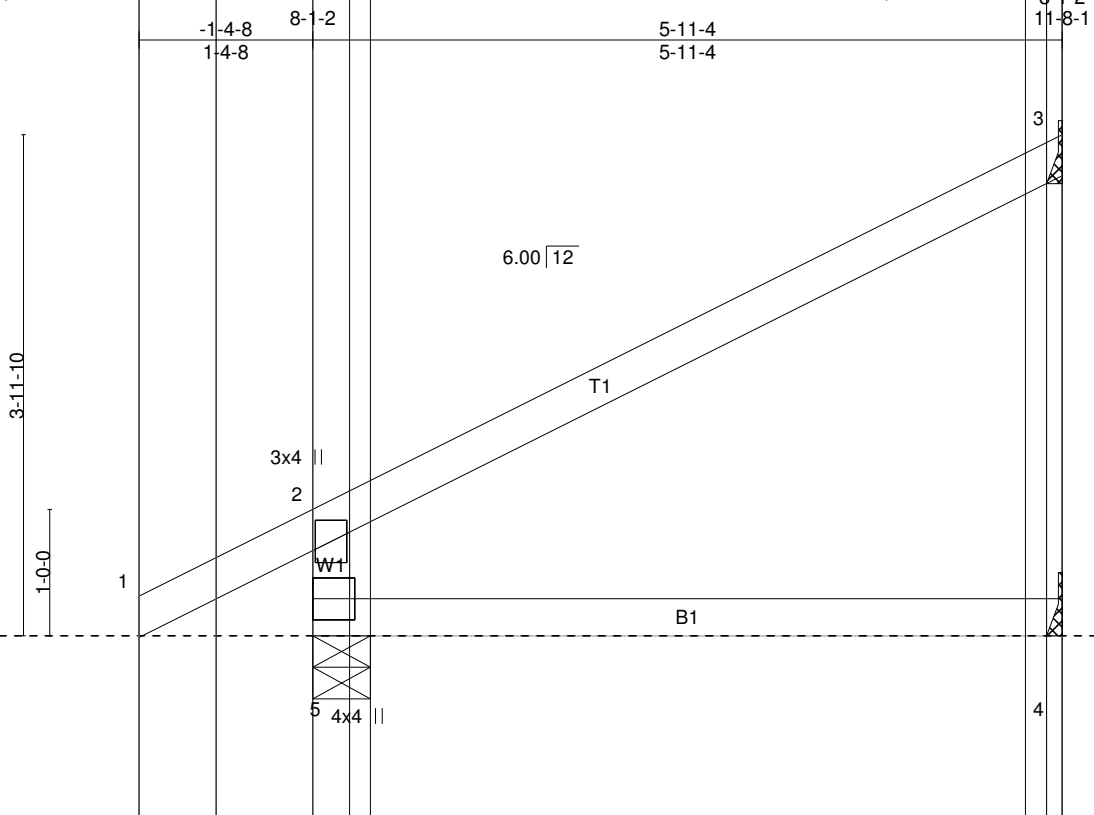
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=315/89

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 7, 42 lb uplift at joint 4 and 18 lb uplift at joint 5.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job R10478	Truss EJ2	Truss Type Jack-Open Truss	Qty 23	Ply 1	Job Reference (optional)
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Scale = 1:18.3

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	Plates Increase	1.15	TC 0.67	Vert(LL) 0.06	4-5	>999	240	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.32	Vert(TL) -0.14	4-5	>484	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL) 0.08	3	n/a	n/a		
BCDL 10.0	Code	WISC/TPI2002	(Matrix)					Weight: 17 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD
BOT CHORD 2 X 4 SPF No.2	BOT CHORD
WEBS 2 X 4 SPF Stud	Structural wood sheathing directly applied or 5-11-4 oc purlins, except end verticals. 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) 5=424/0-5-8 (min. 0-1-8), 3=201/Mechanical, 4=70/Mechanical
 Max Horz 5=180(LC 7)
 Max Uplift 5=81(LC 7), 3=103(LC 7)
 Max Grav 5=493(LC 2), 3=237(LC 2), 4=108(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-5=451/137

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 5 and 103 lb uplift at joint 3.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job R10478	Truss EJ2T	Truss Type Jack-Open Truss	Qty 3	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 13:59:53 2011 Page 1
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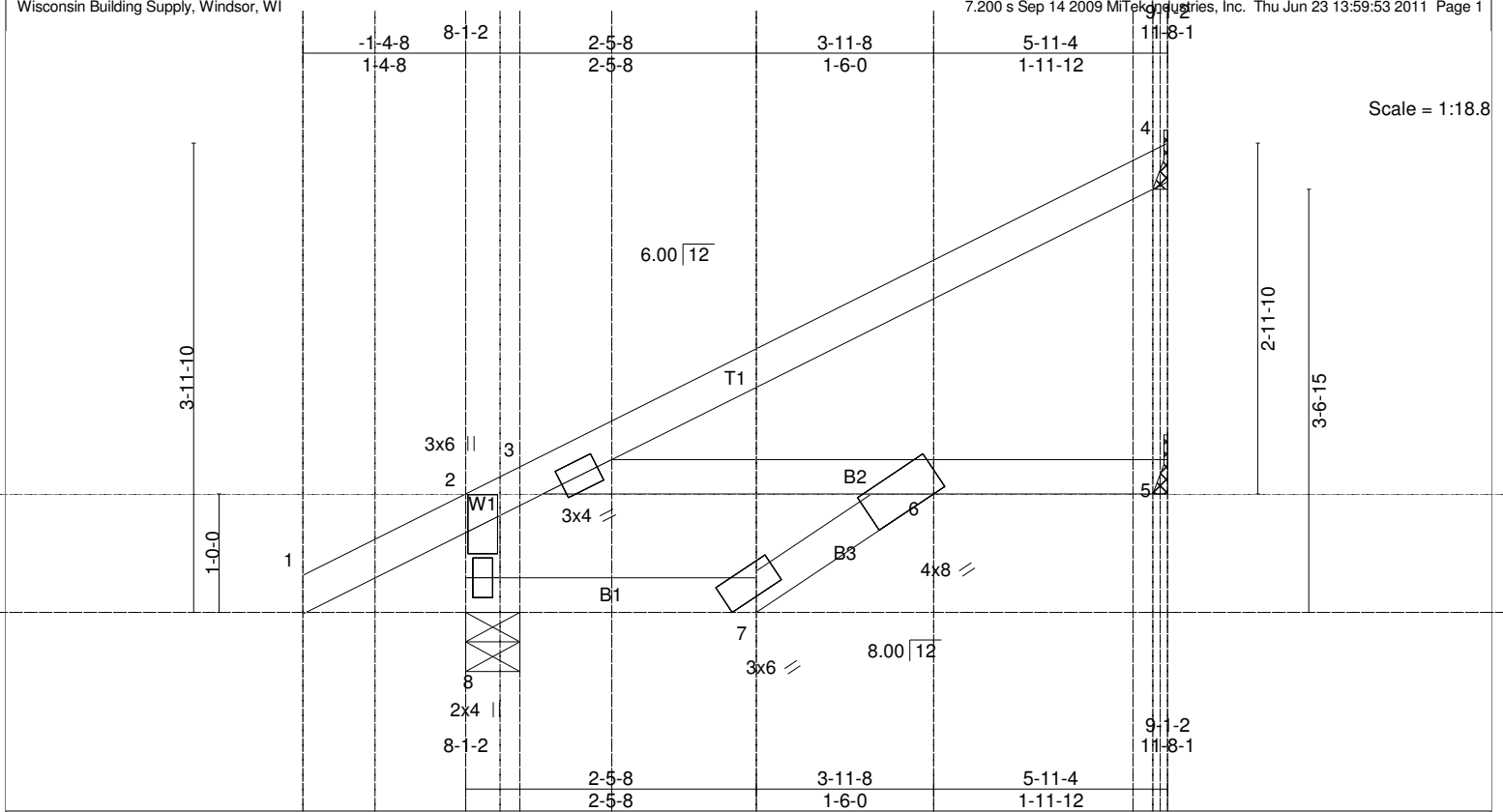


Plate Offsets (X,Y): [3:0-2-3,0-1-8], [7:0-8-0,0-0-2]	
LOADING (psf)	SPACING
TCLL 30.0	2-0-0
(Roof Snow=30.0)	Plates Increase 1.15
TCDL 10.0	Lumber Increase 1.15
BCLL 0.0	Rep Stress Incr YES
BCDL 10.0	Code WISC/TPI2002
CS	DEFL
TC 0.59	in (loc) l/defl L/d
BC 0.52	Vert(LL) -0.05 3-6 >999 240
WB 0.00	Vert(TL) -0.13 3-6 >524 180
(Matrix)	Horz(TL) 0.03 5 n/a n/a
PLATES	GRIP
Mit20	197/144
Weight: 21 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-4 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 (lb/size) 8=465/0-5-8 (min. 0-1-8), 4=180/Mechanical, 5=115/Mechanical
Max Horz 8=180(LC 7)
Max Uplift 8=-56(LC 7), 4=-86(LC 7)
Max Grav 8=534(LC 2), 4=213(LC 2), 5=162(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=509/106, 2-3=-346/0

NOTES

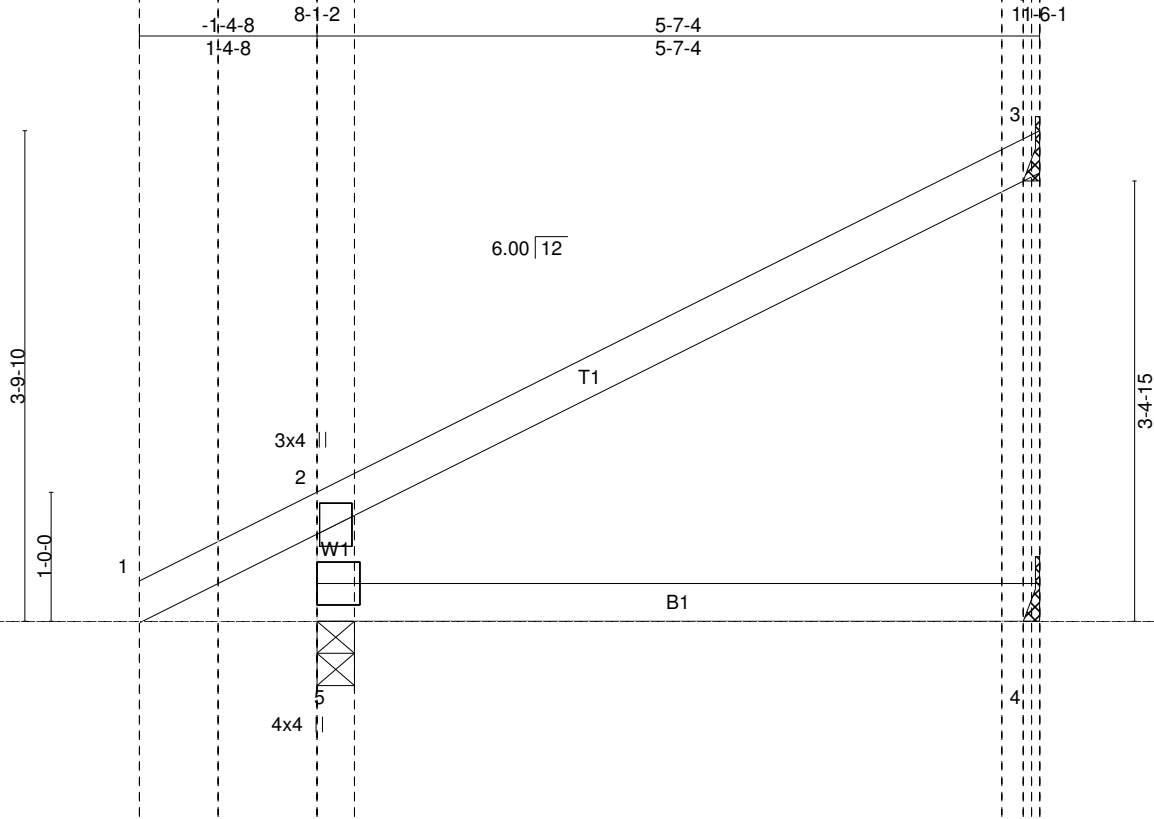
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 2) Unbalanced snow loads have been considered for this design.
- 3) Plates checked for a plus or minus 5 degree rotation about its center.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 56 lb uplift at joint 8 and 86 lb uplift at joint 4.
- 7) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job R10478	Truss EJ3	Truss Type Jack-Open Truss	Qty 1	Ply 1	Job Reference (optional)
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Scale = 1:17.9

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.59 BC 0.28 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.05 4-5 >999 240 Vert(TL) -0.11 4-5 >582 180 Horz(TL) 0.06 3 n/a n/a	M/20 Weight: 16 lb	197/144

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-7-4 oc purlins, except end verticals.
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) 5=409/0-3-8 (min. 0-1-8), 3=188/Mechanical, 4=65/Mechanical
Max Horz 5=173(LC 7)
Max Uplift 5=-80(LC 7), 3=-97(LC 7)
Max Grav 5=475(LC 2), 3=222(LC 2), 4=102(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-435/133

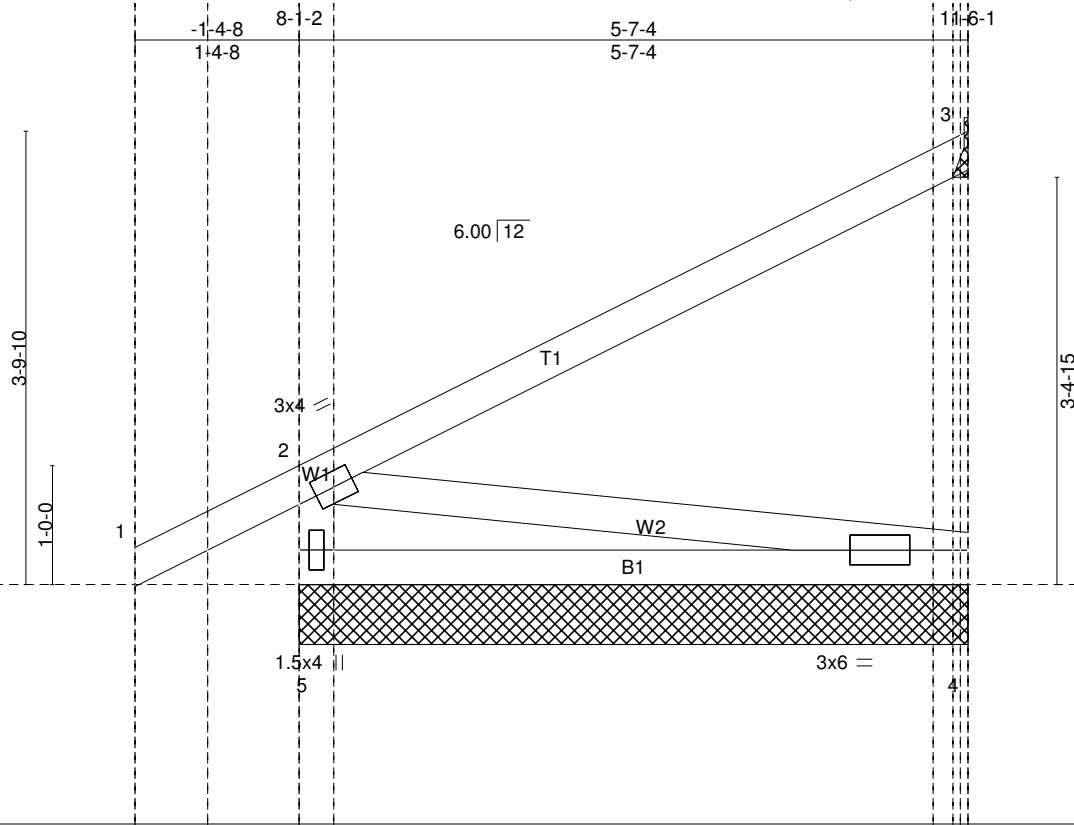
- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 5 and 97 lb uplift at joint 3.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job R10478	Truss EJ3L	Truss Type Jack-Open Truss	Qty 1	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 13:59:55 2011 Page 1
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Scale = 1:19.3

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1,15 Lumber Increase 1,15	TC 0.66 BC 0.32 WB 0.06 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 4-5 >999 240 Vert(TL) -0.13 4-5 >487 180 Horz(TL) -0.00 3 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES Code WISC/TPI2002				
BCLL 0.0					
BCDL 10.0					Weight: 22 lb

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 5-7-4 oc purlins, except end verticals.
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 5-7-4 except (jt=length) 3=Mechanical, 3=Mechanical.
(lb) - Max Horz 5=173(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 5, 3
Max Grav All reactions 250 lb or less at joint(s) 3, 3, 4 except 5=476(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=421/112

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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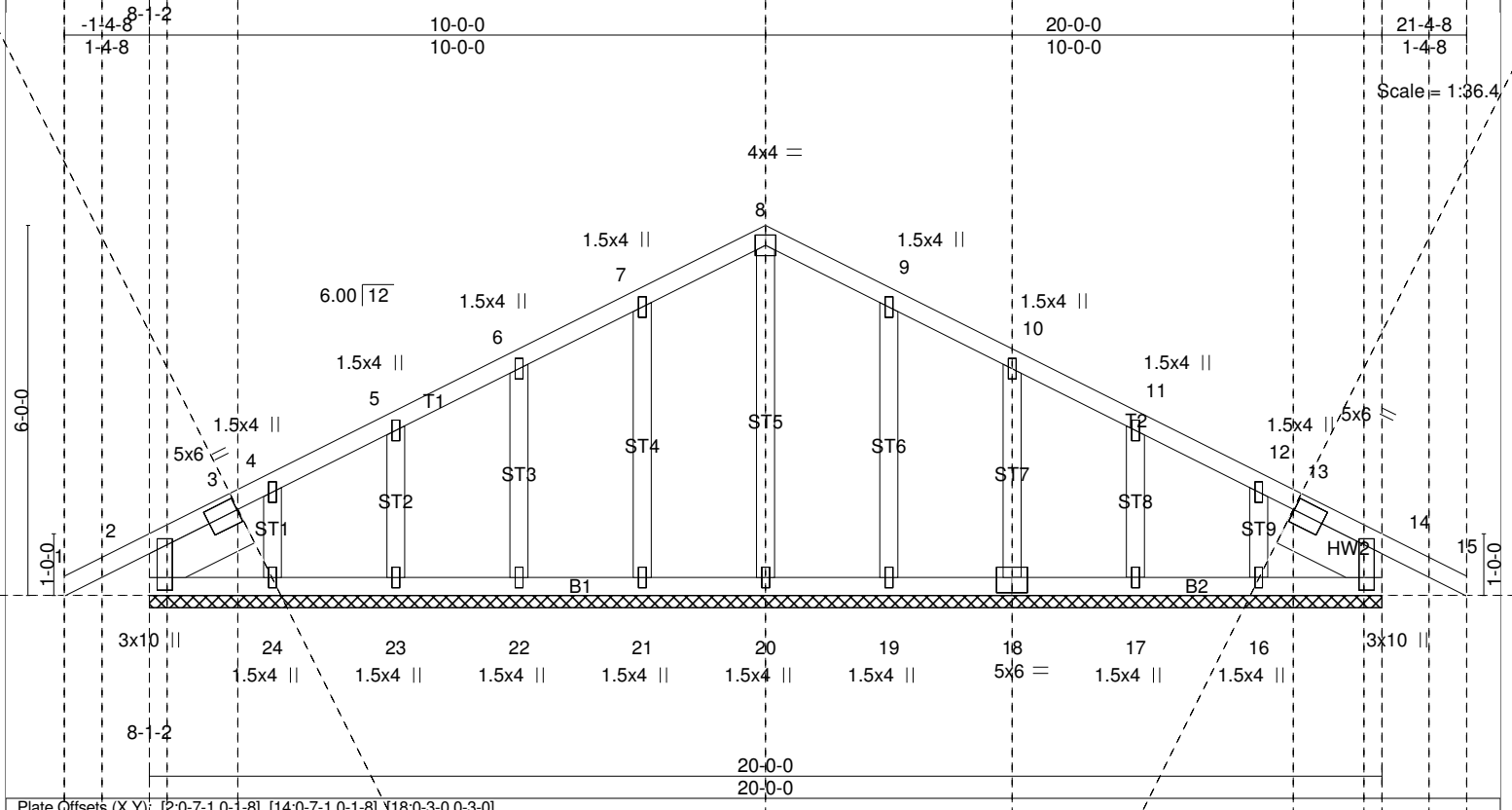


Plate Offsets (X,Y): [2:0-7-1,0-1-8], [14:0-7-1,0-1-8], [18:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow+30.0)	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.04	Vert(LL) 0.00 14 n/r 180		
BCLL 0.0	Lumber Increase 1.15	WB 0.10	Vert(TL) -0.00 15 n/r 120		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 14 n/a n/a		
	Code WISC/TP12002			Weight: 96 lb	

LUMBER
 TOP CHORD 2 X 4 SPF No.2
 BOT CHORD 2 X 4 SPF No.2
 OTHERS 2 X 4 SPF Stud
 SLIDER Left 2 X 8 SYP M 23 1-9-6, Right 2 X 8 SYP M 23 1-9-6

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 20-0-0.
 (lb)l- Max Horiz 2=75(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 22, 23, 24, 19, 18, 17, 16, 14
 Max Grav All reactions 250 lb or less at joint(s) 20, 22, 23, 24, 18, 17, 16 except 2=284(LC 2), 21=252(LC 2), 19=252(LC 3), 14=284(LC 3)

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

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Plates checked for a plus or minus 5 degree rotation about its center.
 - 5) Gable requires continuous bottom chord bearing.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 22, 23, 24, 19, 18, 17, 16, 14.
 - 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

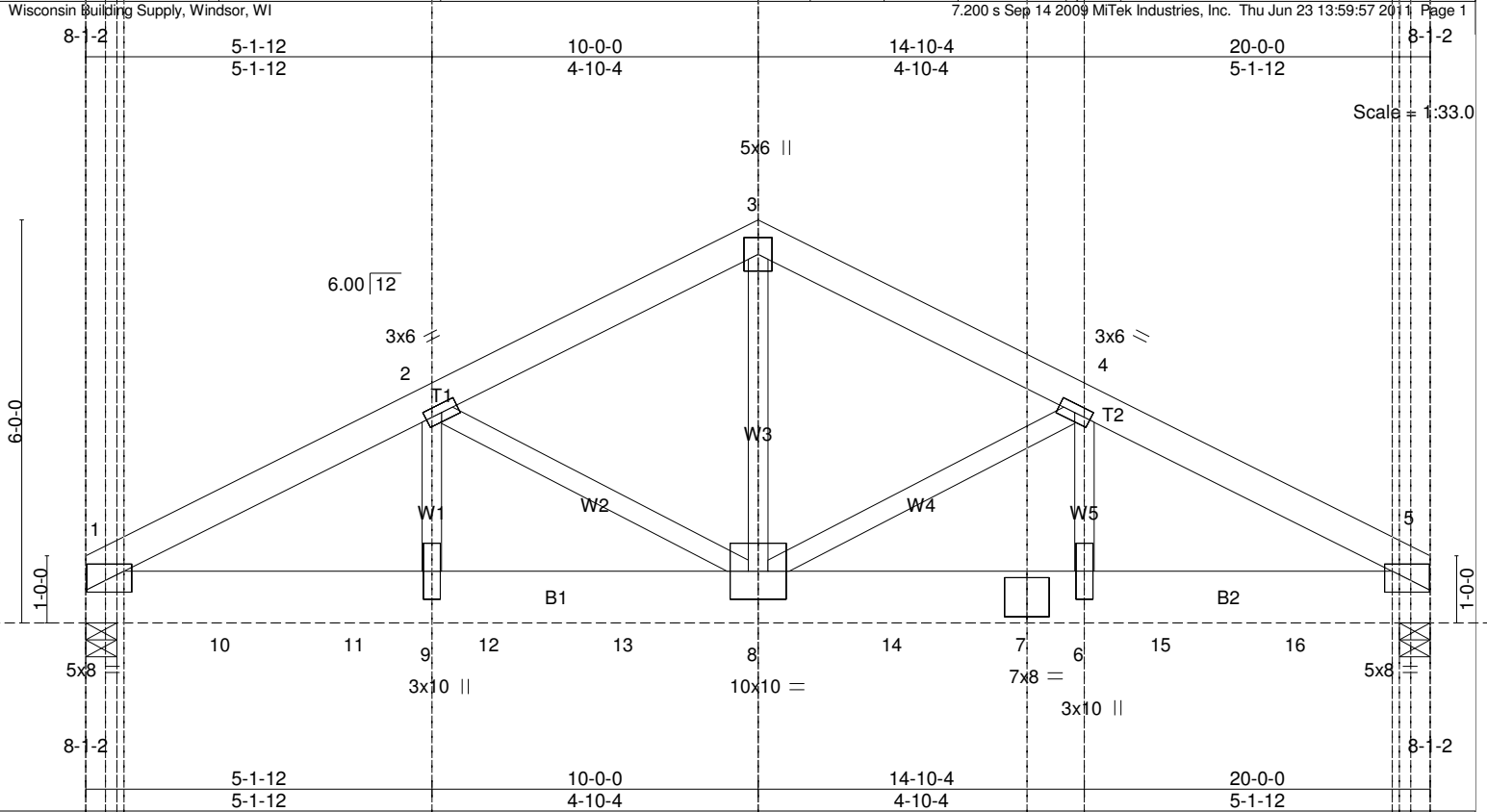


Plate Offsets (X,Y): [1:0-0,2:0-0,5], [5:0-0,2:0-0,5]							
LOADING (psf)	SPACING	CSI	DEFL			PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.55 BC 0.29 WB 0.92 (Matrix)	in (loc)	l/defl	L/d	MT20	197/144
TCDL 10.0	Rep Stress Incr NO		Vert(LL) -0.09	8-9 >999	240		
BCLL 0.0	Code WISC/TPI2002		Vert(TL) -0.13	6-8 >999	180		
BCDL 10.0			Horz(TL) 0.03	5 n/a	n/a		Weight: 284 lb

LUMBER
TOP CHORD 2 X 6 SPF No.2
BOT CHORD 2 X 10 SYP M 23
WEBS 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4593/0-5-8 (min. 0-1-14), 5=4513/0-5-8 (min. 0-1-14)
Max Horz 1=70(LC 6)
Max Uplift 1=-1034(LC 7), 5=-902(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7154/1595, 2-3=-5293/1190, 3-4=-5294/1191, 4-5=-7098/1445
BOT CHORD 1-10=-1371/6081, 10-11=-1371/6081, 9-11=-1371/6081, 9-12=-1371/6081, 12-13=-1371/6081, 8-13=-1371/6081, 8-14=-1175/6032,
7-14=-1175/6032, 6-7=-1175/6032, 6-15=-1175/6032, 15-16=-1175/6032, 5-16=-1175/6032
WEBS 3-8=-957/4286, 4-8=-1724/363, 4-6=-251/1734, 2-8=-1780/513, 2-9=-410/1792

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 10 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Unbalanced snow loads have been considered for this design.
 - Plates checked for a plus or minus 5 degree rotation about its center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1034, 5=902.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 795 lb down and 213 lb up at 2-0-0, 832 lb down and 206 lb up at 4-0-0, 782 lb down and 209 lb up at 6-0-0, 820 lb down and 222 lb up at 8-0-0, 793 lb down and 208 lb up at 10-0-0, 833 lb down and 179 lb up at 12-0-0, 771 lb down and 152 lb up at 14-0-0, and 806 lb down and 140 lb up at 16-0-0, and 720 lb down and 140 lb up at 18-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-80, 3-5=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-771(B) 8=-793(B) 10=-795(B) 11=-832(B) 12=-782(B) 13=-820(B) 14=-833(B) 15=-806(B) 16=-720(B)

Job R10478	Truss GR3	Truss Type Jack-Closed Truss	Qty 1	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 13:59:57 2011 Page 1
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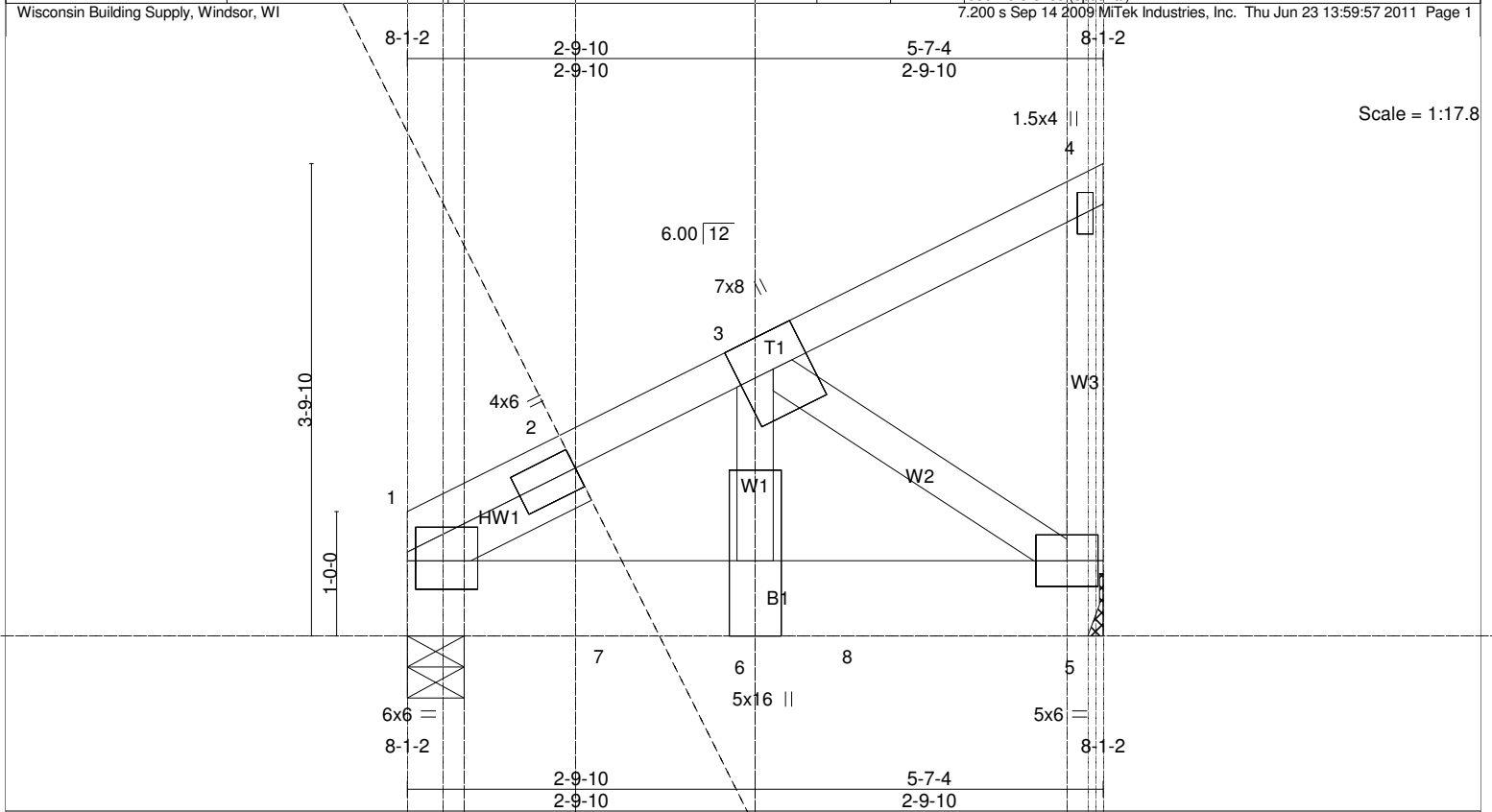


Plate Offsets (X,Y): [1:0-0,13,0-2-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code WISC/TP12002	TC 0.80 BC 0.52 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 6 >999 240 Vert(TL) -0.04 6 >999 180 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 10.0					
BCLL 0.0					
BCDL 10.0					Weight: 35 lb

LUMBER
TOP CHORD 2 X 4 SPF 2100F 1.8E
BOT CHORD 2 X 8 SYP M 23
WEBS 2 X 4 SPF Stud *Except*
W1: 2 X 4 SPF No.2
SLIDER Left 2 X 4 SPF Stud 1-6-9

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-9 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 (lb/size) 1=1975/0-5-8 (min. 0-1-11), 5=1891/Mechanical
Max Horz 1=139(LC 6)
Max Uplift 1=-248(LC 7), 5=-283(LC 7)
Max Grav 1=2016(LC 2), 5=1932(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2173/262, 2-3=-2093/272
BOT CHORD 1-7=-263/1718, 6-7=-263/1718, 6-8=-263/1718, 5-8=-263/1718
WEBS 3-6=-260/2297, 3-5=-2126/339

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=248, 5=283.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1672 lb down and 211 lb up at 1-8-0, and 1649 lb down and 224 lb up at 3-8-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-80, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-1672(B) 8=-1649(B)

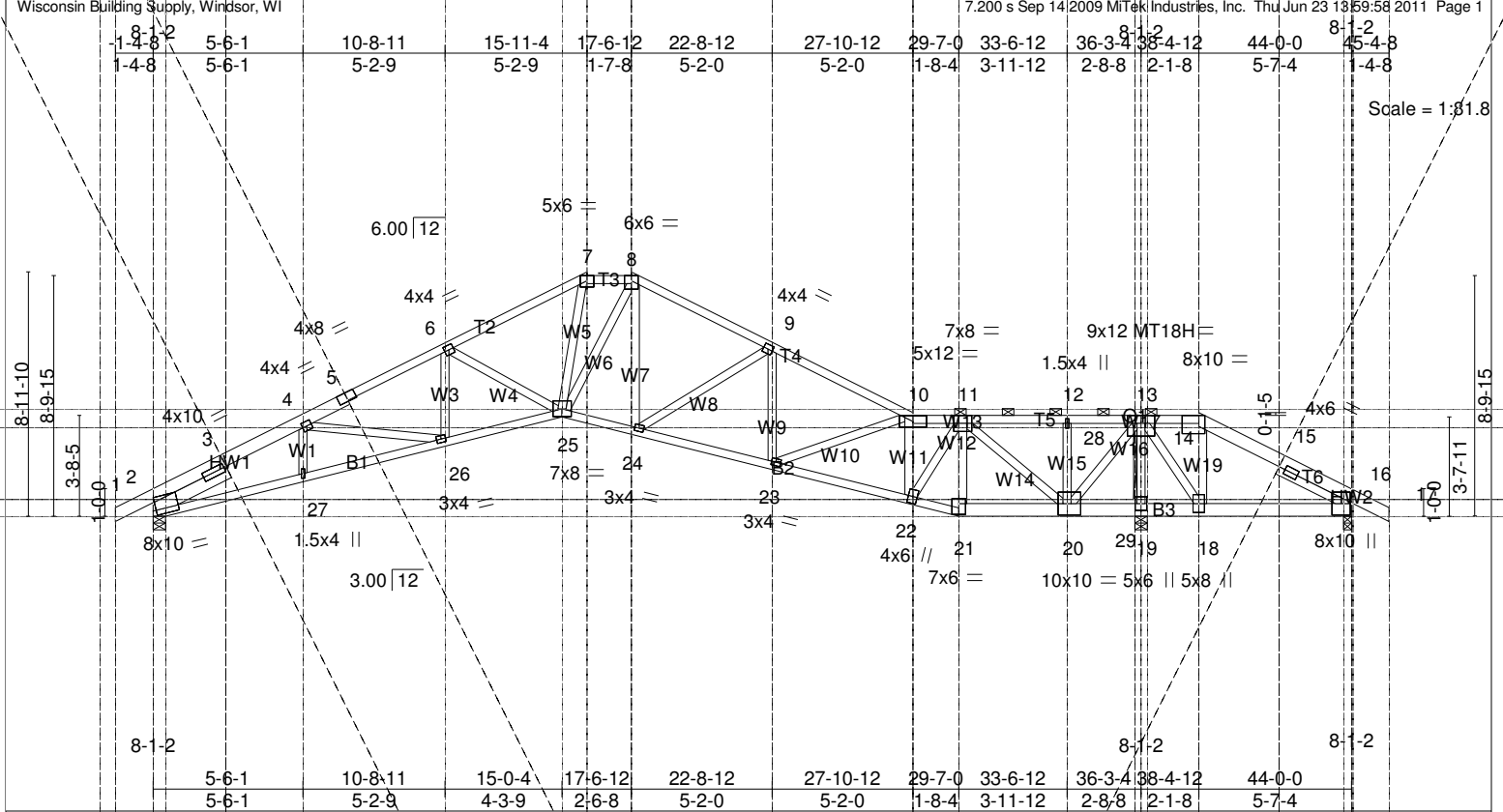


Plate Offsets (X,Y): [2:0-0-9,0-5-12], [5:0-4-0,Edge], [14:0-7-6,Edge], [16:0-5-6,0-0-9], [20:0-2-4,0-5-0], [21:0-3-0,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow)=30.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code WISC/TPI2002	TC 0.94 BC 0.90 WB 0.81 (Matrix)	in (lod) l/dsfl L/d Vert(LL) -0.32 25 >999 240 Vert(TL) -0.65 25-26 >672 180 Hbrz(TL) 0.38 19 n/a n/a	MT20 MT18H	197/144 197/144
Weight: 225 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* T3: 2 X 4 SPF Stud, T6,T1: 2 X 6 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 1-10-8 oc purlins, except 2-0-0 oc purlins (2-10-8 max.): 7-8, 10-14.
BOT CHORD 2 X 4 SPF No.2 *Except* B1: 2 X 4 SPF 1650F 1.5E, B3: 2 X 6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-7-6 oc bracing: 19-20 2-6-3 oc bracing: 18-19 4-4-10 oc bracing: 16-18.
WEBS 2 X 4 SPF Stud *Except* W13,W15,W17,W18: 2 X 4 SPF No.2, W16: 2 X 4 SPF 1650F 1.5E	WEBS T-Brace: 2 X 10 SYP M 23 - 13-19 2 X 4 SPF Std - 11-20
SLIDER Left 2 X 6 SPF No.2 3-1-9, Right 2 X 4 SPF Stud 2-11-13	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=1704/0-5-8 (min. 0-2-9), 16=-1068/0-3-8 (min. 0-1-8), 19=6813/0-5-8 (req. 0-10-11)
 Max Horz 2=-113(LC 5)
 Max Uplift 2=-287(LC 7), 16=-1132(LC 2), 19=-1044(LC 8)
 Max Grav 2=1732(LC 2), 16=97(LC 7), 19=6813(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=3943/544, 3-4=3831/560, 4-5=3747/502, 5-6=3674/521, 6-7=3175/421, 7-8=-2553/397,
 8-9=-2599/359, 9-10=-2782/429, 10-11=-2010/433, 11-12=-1/926, 12-28=-1/926, 13-28=-1/926,
 13-14=-161/2358, 14-15=-247/2917, 15-16=-264/2801
 BOT CHORD 2-27=-511/3329, 26-27=-513/3339, 25-26=-384/3393, 24-25=-100/2307, 23-24=-184/2496, 22-23=-287/2007,
 21-22=-182/1150, 20-21=-180/1125, 20-29=-3840/465, 19-29=-3840/465, 18-19=-3840/465, 16-18=-2440/273
 WEBS 6-25=-765/232, 7-25=-90/1122, 8-25=-119/887, 8-24=-129/426, 9-24=-459/240, 10-23=-9/628,
 10-22=-1612/238, 11-22=-189/1723, 11-20=-2461/302, 12-20=-363/156, 13-20=-658/4607, 13-19=-6144/963,
 13-18=-362/2624, 14-18=-1872/284

- NOTES**
- 1) Wind: ASCE 7-05: 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Plates 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) WARNING: Required bearing size at joint(s) 19 greater than input bearing size.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=287, 16=1132, 19=1044.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Uplift for first LC exceeds limits
 - 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 154 lb down and 95 lb up at 34-4-0, and 156 lb down and 89 lb up at 36-4-0, and 142 lb down and 91 lb up at 38-4-12 on top chord, and 1857 lb down and 287 lb up at 33-6-12, and 63 lb down at 34-4-0, and 465 lb down and 113 lb up at 38-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
 - 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Job	Truss	Truss Type	Qty	Ply	
R10478	H2A	Hip Truss	1	1	

Job Reference (optional)

Wisconsin Building Supply, Windsor, WI

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-7=-80, 7-8=-80, 8-10=-80, 10-14=-80, 14-17=-80, 2-25=-20, 21-25=-20, 16-21=-20

Concentrated Loads (lb)

Vert: 14=-142(F) 20=-1857(F) 18=-465(F) 13=-156(F) 28=-154(F) 29=-56(F)

Job	Truss	Truss Type	Qty	Ply	1	Job Reference (optional)
R10478	H2C	Special Truss	1			7.200 s Sep 14 2009 MITek Industries, Inc. Thu Jun 23 14:00:01 2011 Page 1

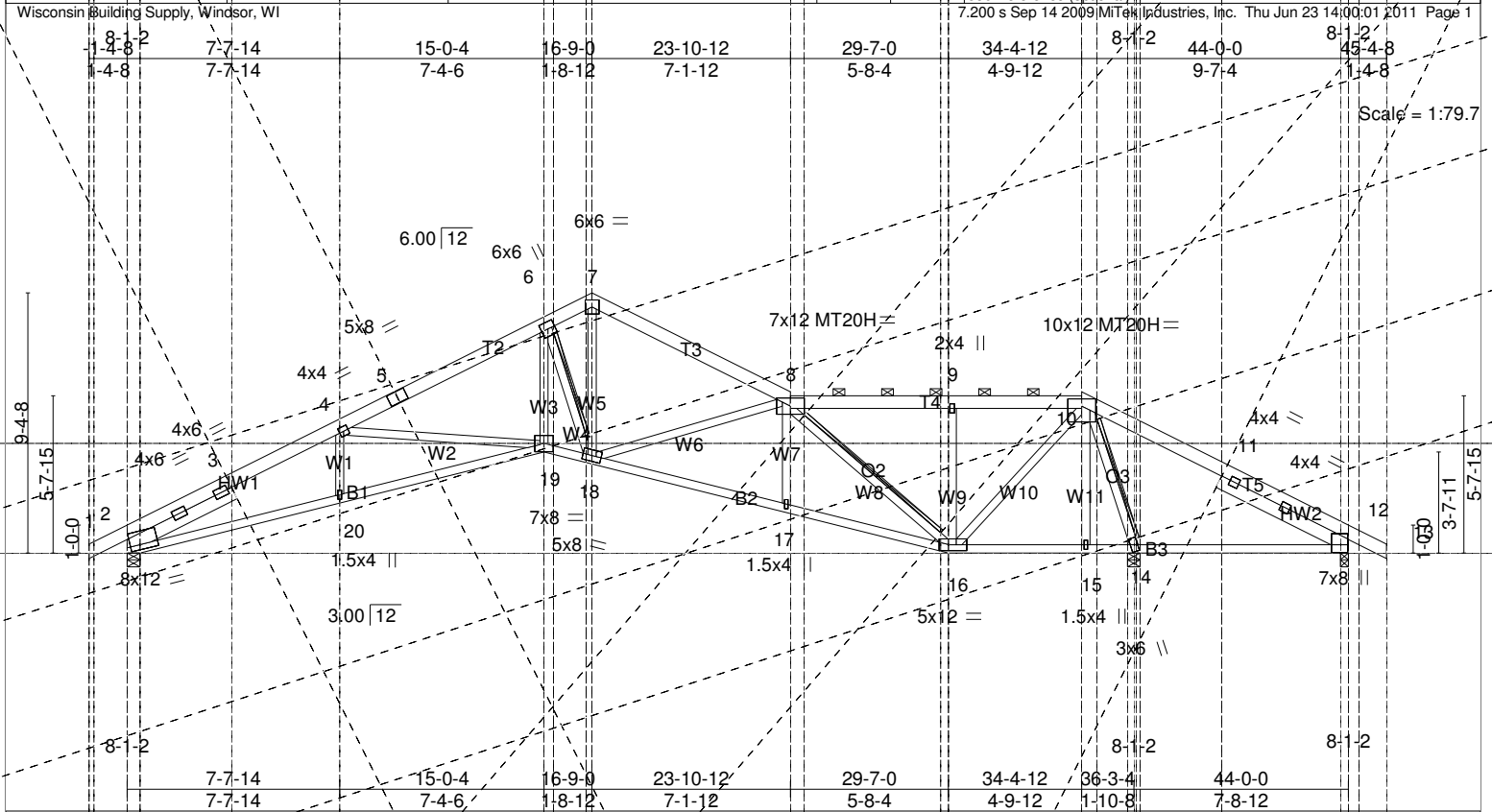


Plate Offsets (X,Y): [2:0-0-9,0-5-12], [10:0-6-0,0-3-2], [12:0-5-10,0-0-5], [16:0-8-0,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.96 BC 0.89 WB 0.96 (Matrix)	in (loc) ldefl L/d Vert(LL) -0.36 19-20 >999 240 Vert(TL) -0.80 19-20 >543 180 Horz(TL) 0.44 14 n/a n/a	MT20 MT20H Weight: 234 lb	197/144 148/108

LUMBER	BRACING
TOP CHORD 2 X 6 SPF No.2 *Except* T5,T1: 2 X 6 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD 2 X 4 SPF No.2 *Except* B1: 2 X 4 SPF 1650F 1.5E	BOT CHORD Rigid ceiling directly applied or 3-7-12 oc bracing.
WEBS 2 X 4 SPF Stud *Except* W2,W8: 2 X 4 SPF No.2	WEBS T-Brace: 2 X 4 SPF Std - 6-18, 8-16, 10-14. Fasten (2) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.
SLIDER Left 2 X 6 SPF No.2 4-4-0, Right 2 X 6 SPF No.2 5-2-5	

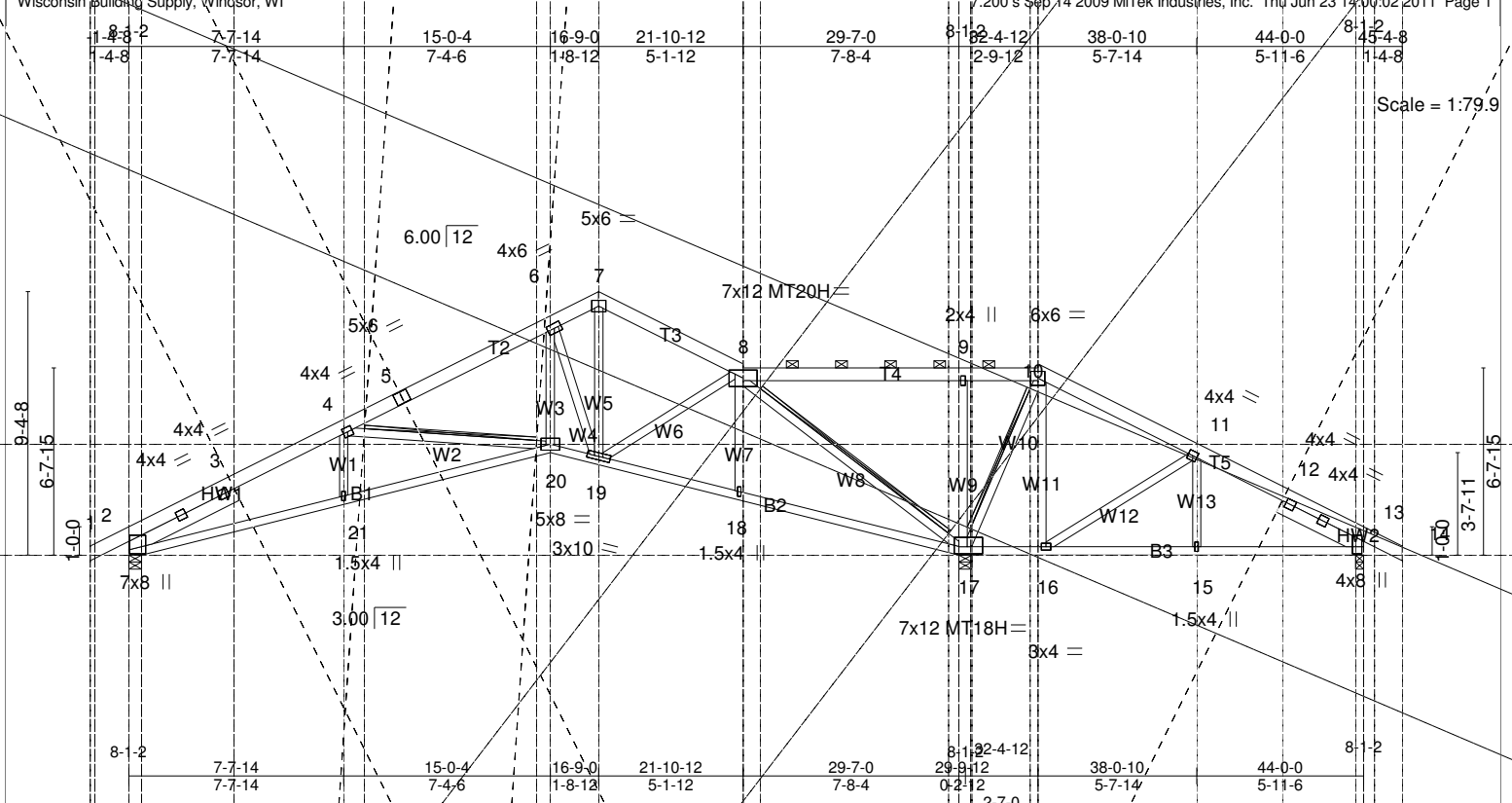
MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1713/0-5-8 (min. 0-2-9), 12=524/0-3-8 (min. 0-1-8), 14=3429/0-5-8 (min. 0-5-6)
 Max Horz 2=-119(LC 5)
 Max Uplift 2=-300(LC 7), 12=-930(LC 2), 14=-246(LC 8)
 Max Grav 2=1717(LC 2), 12=33(LC 6), 14=3429(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-4171/582, 3-4=-4035/614, 4-5=-3320/442, 5-6=-3242/470, 6-7=-2568/445, 7-8=-2650/401, 8-9=-874/435, 9-10=-873/435, 10-11=-76/2276, 11-12=-105/2221
 BOT CHORD 2-20=-550/3588, 19-20=-553/3583, 18-19=-265/2981, 17-18=-412/2589, 16-17=-411/2578, 15-16=-935/52, 14-15=-936/52, 12-14=-1936/151
 WEBS 4-20=0/329, 4-19=-812/273, 6-19=-183/1689, 6-18=-2002/365, 7-18=-313/1937, 8-18=-619/370, 8-17=0/265, 8-16=-2488/250, 9-16=-434/184, 10-16=-200/2051, 10-14=-3351/325

- NOTES**
- 1) Wind: ASCE 7-05: 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Plates 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=300, 12=930, 14=246.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard



Scale = 1:79.9

Plate Offsets (X,Y): [2:0-2-10,0-0-5], [13:0-5-6,0-0-13], [17:0-10-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.16 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.85 BC 0.64 WB 0.97 (Matrix)	in (loc) /defl L/d Vert(LL) -0.16 20-21 >999 240 Vert(TL) -0.41 20-21 >866 180 Horz(TL) 0.20 17 n/a n/a	MT20 MT20H MT18H Weight: 239 lb	197/144 148/108 197/144

LUMBER	BRACING
TOP CHORD 2 X 6 SPF No.2 BOT CHORD 2 X 4 SPF No.2 WEBS 2 X 4 SPF Stud Except* W2: 2 X 4 SPF No.2, W8: 2 X 4 SPF 1650F 1.5E SLIDER Left 2 X 6 SPF No.2 4-4-0, Right 2 X 6 SPF No.2 3-4-0	TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 8-10. Rigid ceiling directly applied or 4-10-2 oc bracing. BOT CHORD T-Brace: 2 X 4 SPF Std - 4-20, 8-17, 10-17 WEBS Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=1171/0-5-8 (min. 0-1-15), 17=3513/0-5-8, 13=65/0-3-8 (min. 0-1-8)
 Max Horz 2=-119(LC 5)
 Max Uplift 2=-235(LC 7), 17=-353(LC 8), 13=-504(LC 2)
 Max Grav 2=1294(LC 2), 17=3513(LC 1), 13=325(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2679/377, 3-4=-2483/406, 4-5=-1340/192, 5-6=-1223/228, 6-7=-817/240, 7-8=-826/201, 8-9=-96/1944,
 9-10=-95/1941, 10-11=-114/1586, 11-12=-107/1211, 12-13=-128/1187
 BOT CHORD 2-21=-367/2222, 20-21=-370/2219, 19-20=-35/1132, 18-19=-253/123, 17-18=-260/130, 16-17=-1403/241,
 15-16=-1005/147, 13-15=-1005/147
 WEBS 4-21=0/333, 4-20=1075/313, 6-20=68/999, 6-19=-1516/281, 7-19=-177/675, 8-19=-68/929, 8-18=0/306,
 8-17=-2317/214, 9-17=-613/225, 10-17=-1428/102, 10-16=-60/513, 11-16=-841/188, 11-15=0/263

- NOTES**
- 1) Wind: ASCE 7-05: 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Plates 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=235, 17=353, 13=504.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

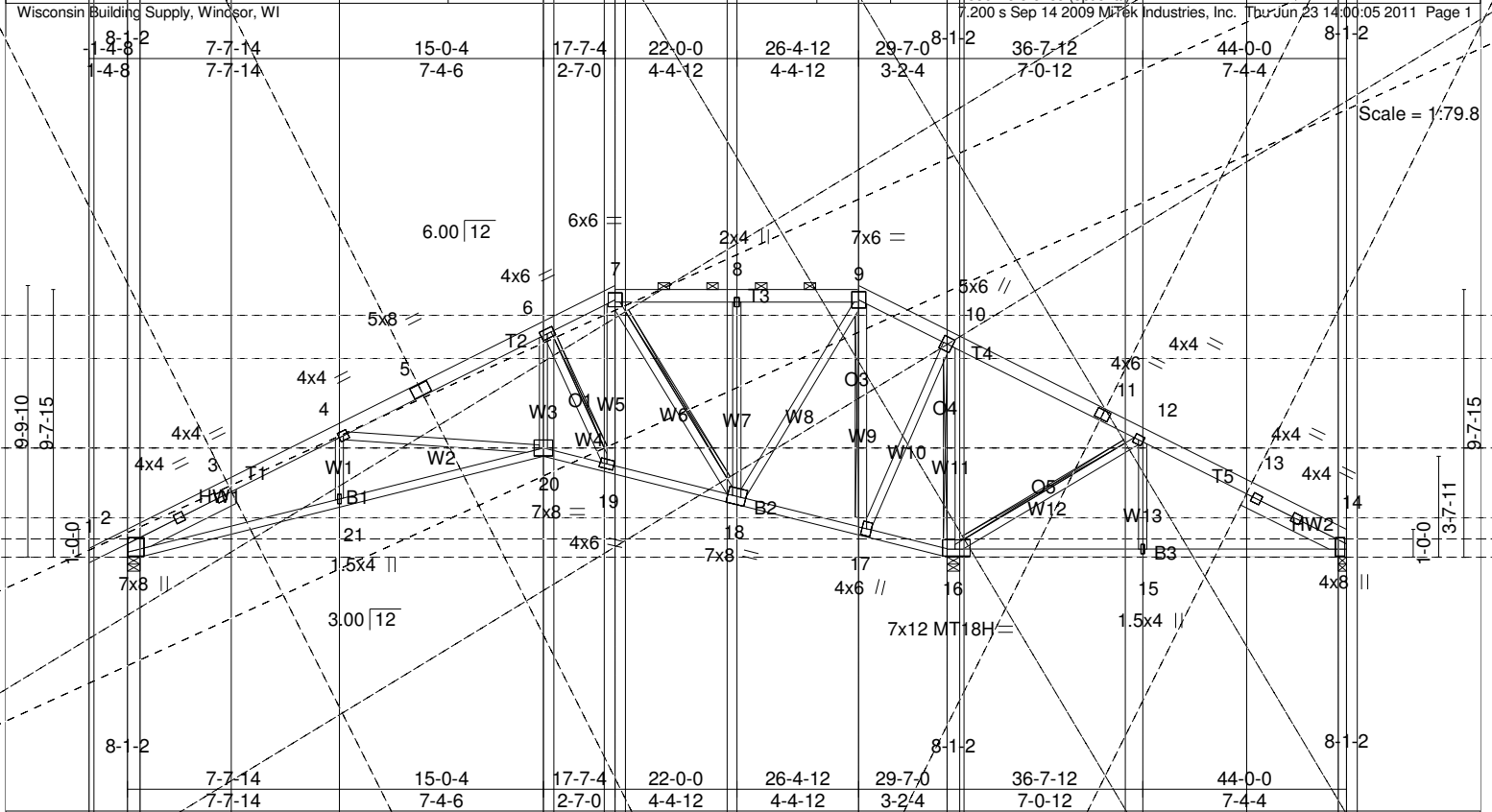


Plate Offsets (X|Y): [2-0-2-10,0-0-5], [14-0-5-6,0-0-13], [16-0-10-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.74 BC 0.70 WB 0.97 (Matrix)	n (loc) l/def L/d Vert(LL) -0.22/20-21 >999 240 Vert(TL) -0.49/20-21 >723 180 Horz(TL) 0.25 16 n/a n/a	MT20 MT18H Weight: 251 lb	197/144 197/144
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0	Code WISC/TPI2002				
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2X 6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD 2X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-7-13 oc bracing.
WEBS 2X 4 SPF No.2 *Except*	WEBS T-Brace: 2 X 4 SPF Std - 6-19, 7-18, 9-17, 10-16, 12-16
SLIDER Left 2 X 6 SPF No.2 4-4-0, Right 2 X 6 SPF No.2 4-1-6	Fasten (2X) 7 and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1224/0-5-8 (min. 0-2-2), 16=3323/0-5-8 (min. 0-5-3), 14=38/0-3-8 (min. 0-1-8)
 Max Horz 2=125(LC 6)
 Max Uplift 2=-243(LC 7), 16=-302(LC 7), 14=-512(LC 2)
 Max Grav 2=1400(LC 2), 16=3323(LC 1), 14=373(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=3015/408, 3-4=2818/438, 4-5=-1726/241, 5-6=-1586/265, 6-7=-914/240, 9-10=0/835, 10-11=-67/1655, 11-12=-88/1600, 12-13=-121/1259, 13-14=-182/1228
 BOT CHORD 2-21=-401/2517, 20-21=-404/2515, 19-20=-110/1469, 18-19=-59/726, 17-18=-747/216, 16-17=-1559/257, 15-16=-1048/140, 14-15=-1048/140
 WEBS 4-21=0/333, 4-20=1011/306, 6-20=-91/1163, 6-19=-1601/298, 7-19=-200/1323, 7-18=-1290/145, 8-18=-418/153, 9-18=-139/1483, 9-17=-1793/140, 10-17=-96/1820, 10-16=-2384/235, 12-16=-990/225, 12-15=0/331

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Plates 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=243, 16=302, 14=512.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

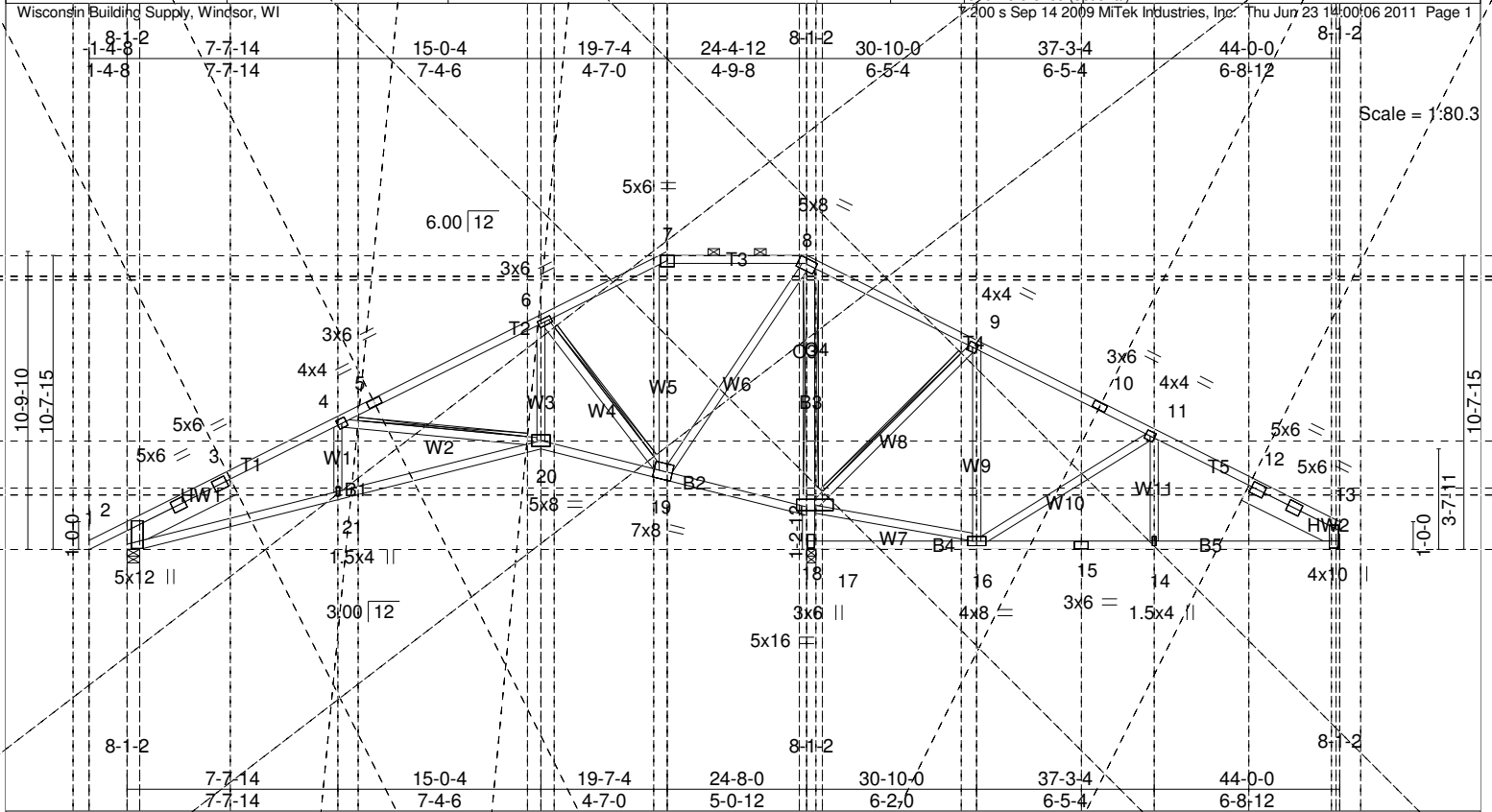


Plate Offsets (X Y): [2:0-7-11,Edge], [8:0-4-4,0-2 0], [13:0-7-9,0-0-8]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.93 BC 0.96 WB 0.75 (Matrix)	in / (loc) l/def L/d Vert(LL) -0.15 20-21 >999 240 Vert(TL) -0.36 20-21 >834 180 Horz(TL) 0.14 17 n/a n/a	MT20 Weight: 225 lb	197/144

LUMBER	BRACING
TOP CHORD 2X 4 SPF No.2 *Except* T3: 2 X 4 SPF Stud	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.); 7-8. Rigid ceiling directly applied or 3-11-13 oc bracing. Except:
BOT CHORD 2X 4 SPF No.2 *Except* B3: 2 X 4 SPF 1650F 1.5E	BOT CHORD I-Brace: 2 X 4 SPF Std 8-18 T-Brace: 2 X 4 SPF Std 4-20, 6-19, 9-18
WEBS 2X 4 SPF No.2 *Except* W1, W3, W4, W7, W11: 2 X 4 SPF Stud	WEBS Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.
SLIDER Left 2 X 8 SYP M 23 4-5-0, Right 2 X 8 SYP M 23 3-10-3	

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

REACTIONS (lb/size) 2=953/0-5-8 (min. 0-1-11), 17=3115/0-4-0 (req. 0-4-14), 13=440/Mechanical
 Max Horz 2=-140(LC 5)
 Max Uplift 2=-228(LC 7), 17=-288(LC 7), 13=201(LC 8)
 Max Grav 2=1135(LC 2), 17=3115(LC 1), 13=815(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2089/362, 3-4=-1929/393, 4-5=-734/186, 5-6=-585/222, 6-7=0/418, 7-8=0/319, 8-9=0/1324,
 9-10=-69/860, 10-11=-316/808, 11-12=-897/540, 12-13=-1057/511
 BOT CHORD 2-21=-371/1730, 20-21=-374/1728, 19-20=-96/550, 18-19=-1154/246, 17-18=-3062/320, 8-18=-2100/217,
 15-16=-431/802, 14-15=-431/802, 13-14=-431/802
 WEBS 4-21=0/332, 4-20=-1145/306, 6-20=-73/793, 6-19=-1323/306, 7-19=-494/40, 8-19=-164/1500,
 16-18=-742/175, 9-18=-1075/269, 9-16=-13/584, 11-16=-754/184, 11-14=0/282

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) WARNING: Required bearing size at joint(s) 17 greater than input bearing size.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=228, 17=288, 13=201.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

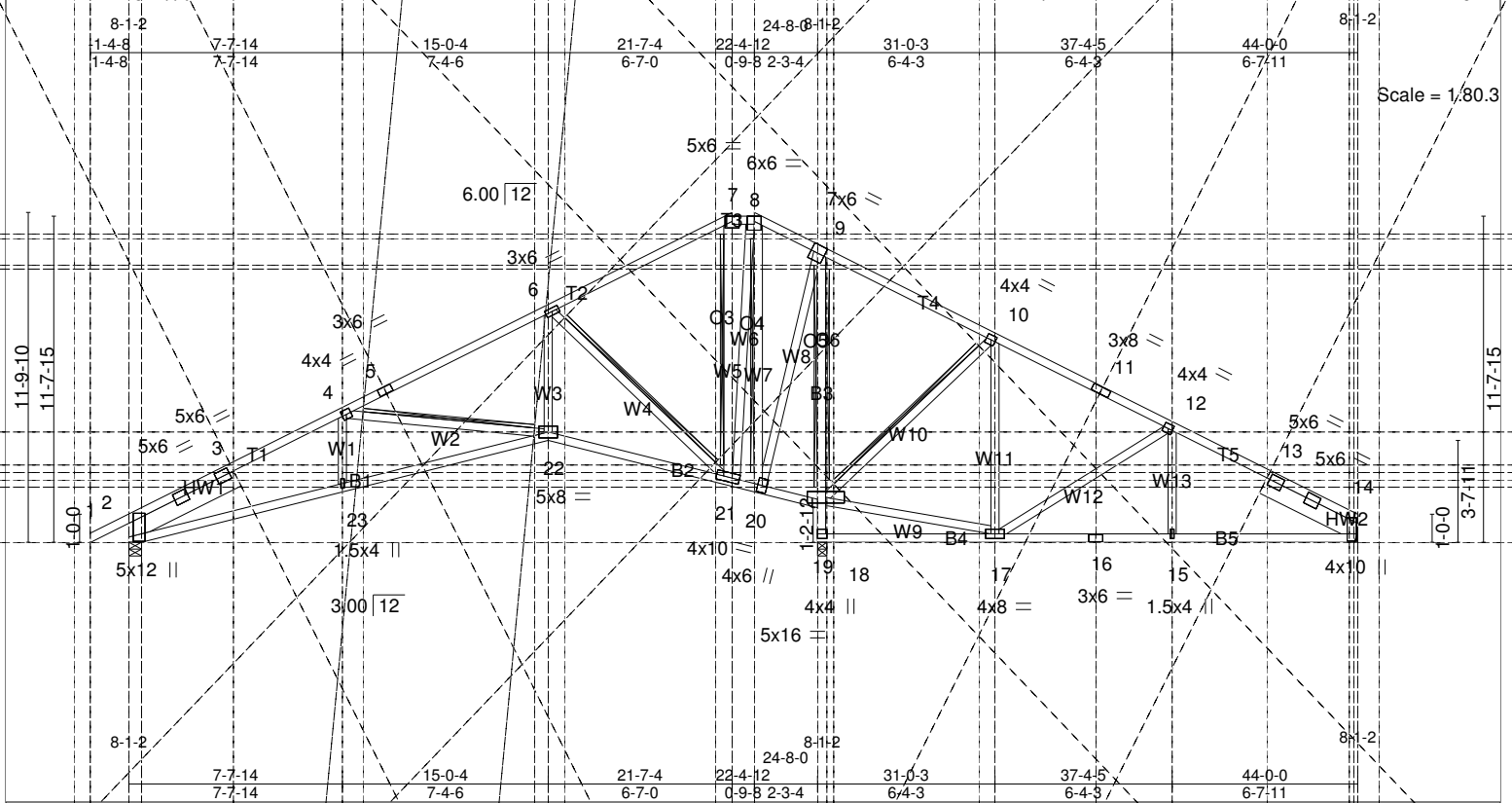


Plate Offsets (X,Y): [2:0-7-11,Edge], [14:0-7-9,0-0-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.87 BC 0.90 WB 0.88 (Matrix)	in (loc) l/def L/d Vert(LL) -0.17 22-23 >999 240 Vert(TL) -0.39 22-23 >758 180 Horz(TL) /0.18 18 n/a n/a	MT20	197/144
TCDL 10.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 250 lb	

LUMBER	BRACING
TOP CHORD 2X 4 SPF No.2 *Except* TB: 2 X 4 SPF Stud	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.); 7-8.
BOT CHORD 2X 4 SPF No.2 *Except* B3: 2 X 4 SPF 1650F 1.5E	BOT CHORD Rigid ceiling directly applied or 4-0-3 oc bracing. Except:
WEBS 2X 4 SPF No.2 *Except* W1, W3, W9, W11, W13: 2 X 4 SPF Stud	I-Brace: 2 X 4 SPF Std 9-19 T-Brace: 2 X 4 SPF Std 4-22, 6-21, 7-21, 8-20, 10-19
SLIDER Left 2 X 8 SYP M 23 4-5-0, Right 2 X 8 SYP M 23 8-9-10	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

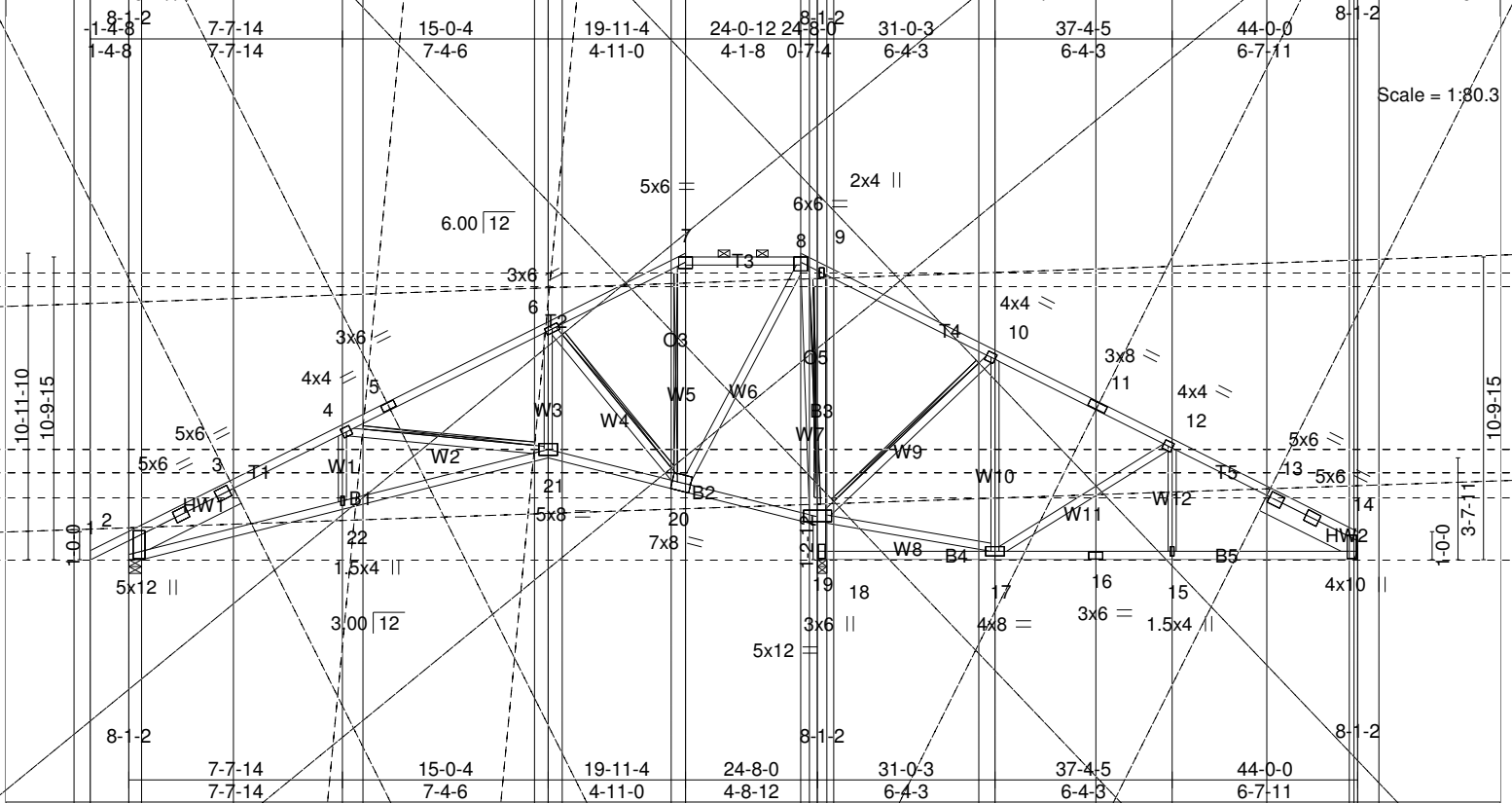
MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=995/0-5-8 (min. 0-1-12), 18=3019/0-4-0 (req. 0-4-12), 14=494/Mechanical
 Max Horz 2=-153(LC 5)
 Max Uplift 2=-229(LC 7), 18=-310(LC 7), 14=-194(LC 8)
 Max Grav 2=1180(LC 2), 18=3019(LC 1), 14=852(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2218/372, 3-4=-2058/403, 4-5=-920/206, 5-6=-779/242, 6-7=0/594, 7-8=0/439, 8-9=0/643,
 9-10=0/1186, 10-11=-276/729, 11-12=-407/678, 12-13=-878/423, 13-14=-1131/394
 BOT CHORD 2-23=-392/1842, 22-23=-394/1841, 21-22=-92/736, 20-21=-600/245, 19-20=-1040/230, 18-19=-2963/343,
 9-19=-2108/241, 16-17=-330/866, 15-16=-330/866, 14-15=-330/866
 WEBS 4-23=0/326, 4-22=-1080/293, 6-22=-74/886, 6-21=-1565/356, 7-21=-629/102, 8-21=-182/1408,
 8-20=-1567/73, 9-20=-113/1670, 17-19=-608/259, 10-19=-1036/259, 10-17=-13/546, 12-17=-733/185,
 12-15=0/275

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) WARNING: Required bearing size at joint(s) 18 greater than input bearing size.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=229, 18=310, 14=194.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard



Scale = 1:80.3

Plate Offsets (X|Y): [2:0-7-11, Edge], [14:0-7-9|0-0-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2'-0"	TC 0.97	in (loc) l/def	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.52	Vert(LL) -0.15 21-22 >999		
BCLL 0.0	Lumber Increase 1.15	WB 0.93	Vert(TL) -0.34 21-22 >865		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.13 18 n/a		
	Code WISC/TP12002		L/d		
			240		
			180		
			n/a		
				Weight: 236 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD Structural wood sheathing directly applied, except
BOT CHORD 2 X 4 SPF No.2	2'-0" oc purlins (10'-0" max.); 7-8.
WEBS 2 X 4 SPF No.2 "Except"	Rigid ceiling directly applied or 3'-2.5" oc bracing. Except:
W1, W3, W8, W10, W12: 2 X 4 SPF Stud	T-Brace: 2 X 4 SPF Std 9-19
SLIDER Left 2 X 8 SYP M 23 4-5-0; Right 2 X 8 SYP M 23 3-9-10	T-Brace: 2 X 4 SPF Std 4-21, 6-20, 7-20, 8-19, 10-19
	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131" x 3") nails, 6in o.c.
	with 3in minimum end distance.
	Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=939/0-5-8 (min. 0-1-11), 18=3147/0-4-0 (req. 0-4-15), 14=422/Mechanical
 Max Horz 2=141(LC 5)
 Max Uplift 2=225(LC 7), 18=299(LC 7), 14=197(LC 8)
 Max Grav 2=1125(LC 2), 18=3147(LC 1), 14=802(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=2060/355, 3-4=1900/386, 4-5=704/179, 5-6=555/214, 6-7=0/504, 7-8=0/389, 8-9=0/1196,
 9-10=0/1347, 10-11=174/876, 11-12=305/825, 12-13=880/558, 13-14=1038/530
 BOT CHORD 2-22=367/1704, 21-22=369/1702, 20-21=97/524, 19-20=1057/244, 18-19=3092/331, 9-19=668/190,
 16-17=446/787, 15-16=446/787, 14-15=446/787
 WEBS 4-22=0/331, 4-21=1147/306, 6-21=69/784, 6-20=1341/310, 7-20=513/33, 8-20=160/1432, 8-19=1766/88,
 17-19=755/160, 10-19=1054/259, 10-17=13/583, 12-17=747/183, 12-15=0/276

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) WARNING: Required bearing size at joint(s) 18 greater than input bearing size.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=225, 18=299, 14=197.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

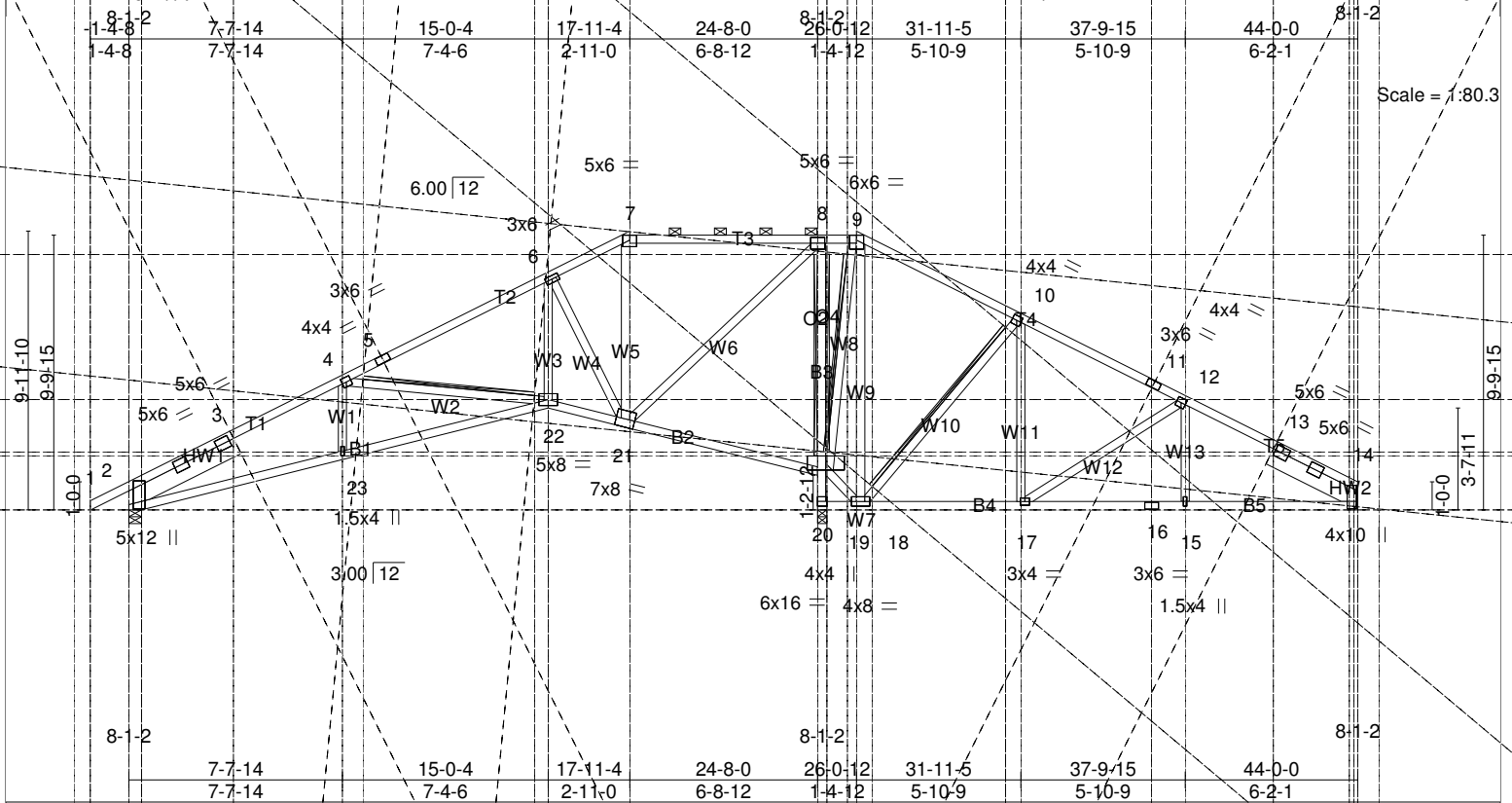


Plate Offsets (X,Y): [2:0-7-11,Edge], [14:0-7-9|0-0-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.85 BC 0.97 WB 0.91 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.16 22-23 >999 240 Vert(TL) 0.38 22-23 >792 180 Horz(TL) 0.11 19 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 234 lb	
BCLL 0.0					
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2 *Except* TB: 2 X 4 SPF 1650F 1.5E	TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD 2 X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-0-13 oc bracing. Except:
WEBS 2 X 4 SPF Stud *Except* W2,W6,W8,W9,W10: 2 X 4 SPF No.2	I-Brace: 2 X 4 SPF Std - 8-20 T-Brace: 2 X 4 SPF Std - 4-22, 9-20, 10-18
SLIDER Left 2 X 8 SYP M 23 4-5-0, Right 2 X 8 SYP M 23 3-6-8	WEBS Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS (lb/size) 2=994/0-5-8 (min. 0-1-12), 19=3021/0-4-0 (req. 0-4-12), 14=493/Mechanical
 Max Horz 2=-129(LC 5)
 Max Uplift 2=-235(LC 7), 19=-251(LC 7), 14=-210(LC 8)
 Max Grav 2=1162(LC 2), 19=3021(LC 1), 14=840(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2175/375, 3-4=-2016/406, 4-5=-832/200, 5-6=-682/235, 8-9=0/1100, 9-10=0/999, 10-11=-250/713,
 11-12=-475/666, 12-13=-890/430, 13-14=-1127/403
 BOT CHORD 2-23=-372/1806, 22-23=-374/1804, 21-22=-80/633, 20-21=-1150/218, 19-20=-3005/232, 8-20=-1681/267,
 17-18=-619/321, 16-17=-337/865, 15-16=-337/865, 14-15=-337/865
 WEBS 4-23=0/332, 4-22=-1132/305, 6-22=-92/804, 6-21=-1258/296, 7-21=-279/43, 8-21=-150/1547,
 18-20=-1071/254, 9-20=-1755/176, 9-18=-218/1329, 10-18=-1012/244, 10-17=-16/477, 12-17=-647/157,
 12-15=0/255

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) WARNING: Required bearing size at joint(s) 19 greater than input bearing size.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=235, 19=251, 14=210.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

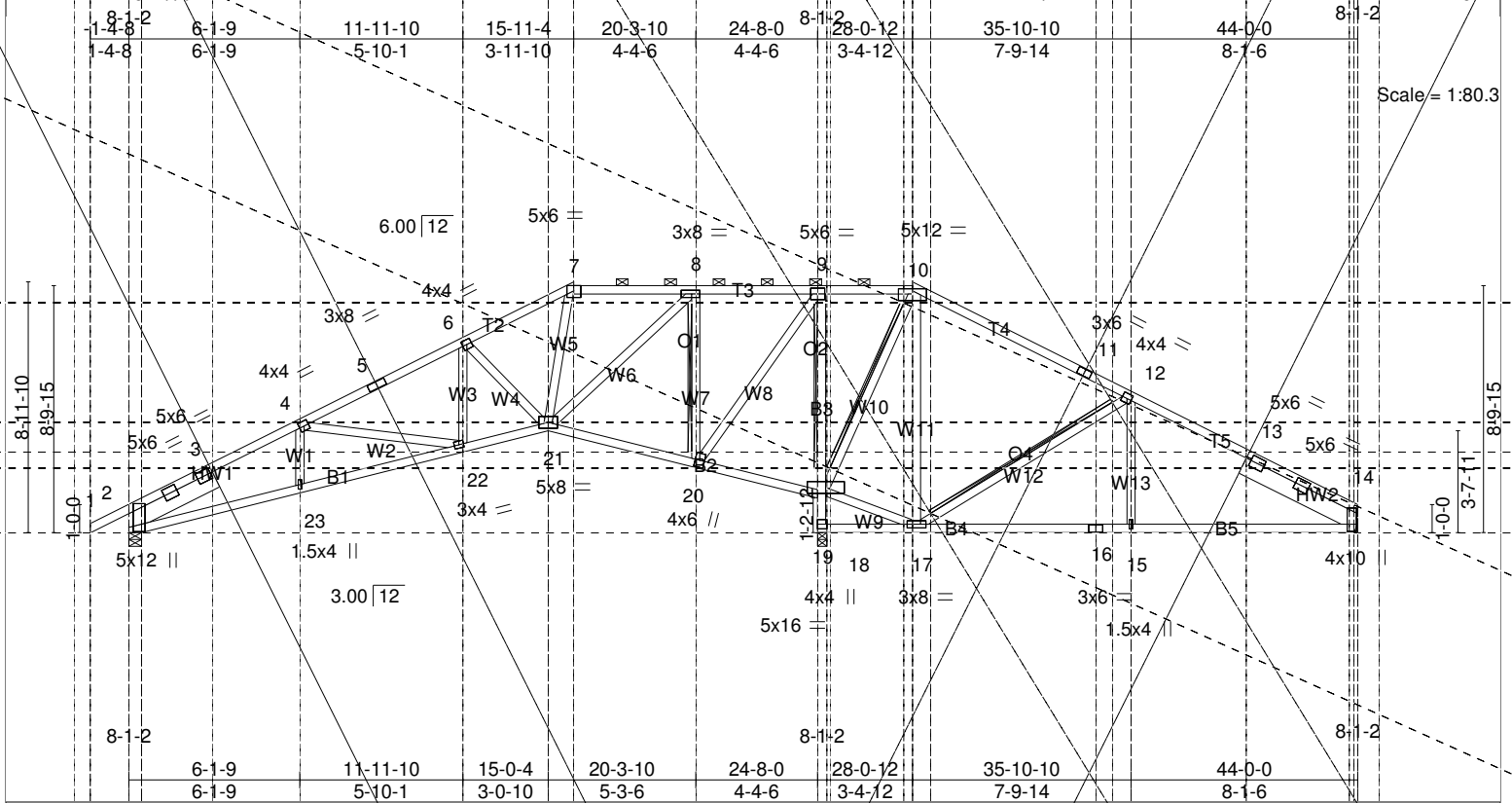


Plate Offsets (X|Y): [2:0-7-11,Edge], [8:0-3-8,0-1-8], [10:0-6-0,0-0-15], [14:0-7-9,0-0-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.97 BC 0.66 WB 0.65 (Matrix)	in (oc) l/defl L/d Vert(LL) -0.15 22-23 >999 240 Vert(TL) -0.30 22-23 >983 180 Horz(TL) 0.12 18 n/a n/a	MT20 Weight: 225/lb	197/144
TCDL 10.0	Rep/Stress Incr YES				
BCLL 0.0	Code WISC/TPI2002				
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2X 4 SPF No.2 *Except* T5: 2 X 4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 7-10.
BOT CHORD 2X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 3-2-11 oc bracing. Except:
WEBS 2X 4 SPF Stud *Except* W8,W10,W11,W12: 2 X 4:SPF No.2	WEBS T-Brace: 2 X 4 SPF Std - 9-19 T-Brace: 2 X 4 SPF Std - 8-20, 10-19, 12-17
SLIDER Left 2 X 8 SYP M 23 3-6-12, Right 2 X 8 SYP M 23 4-7-8	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

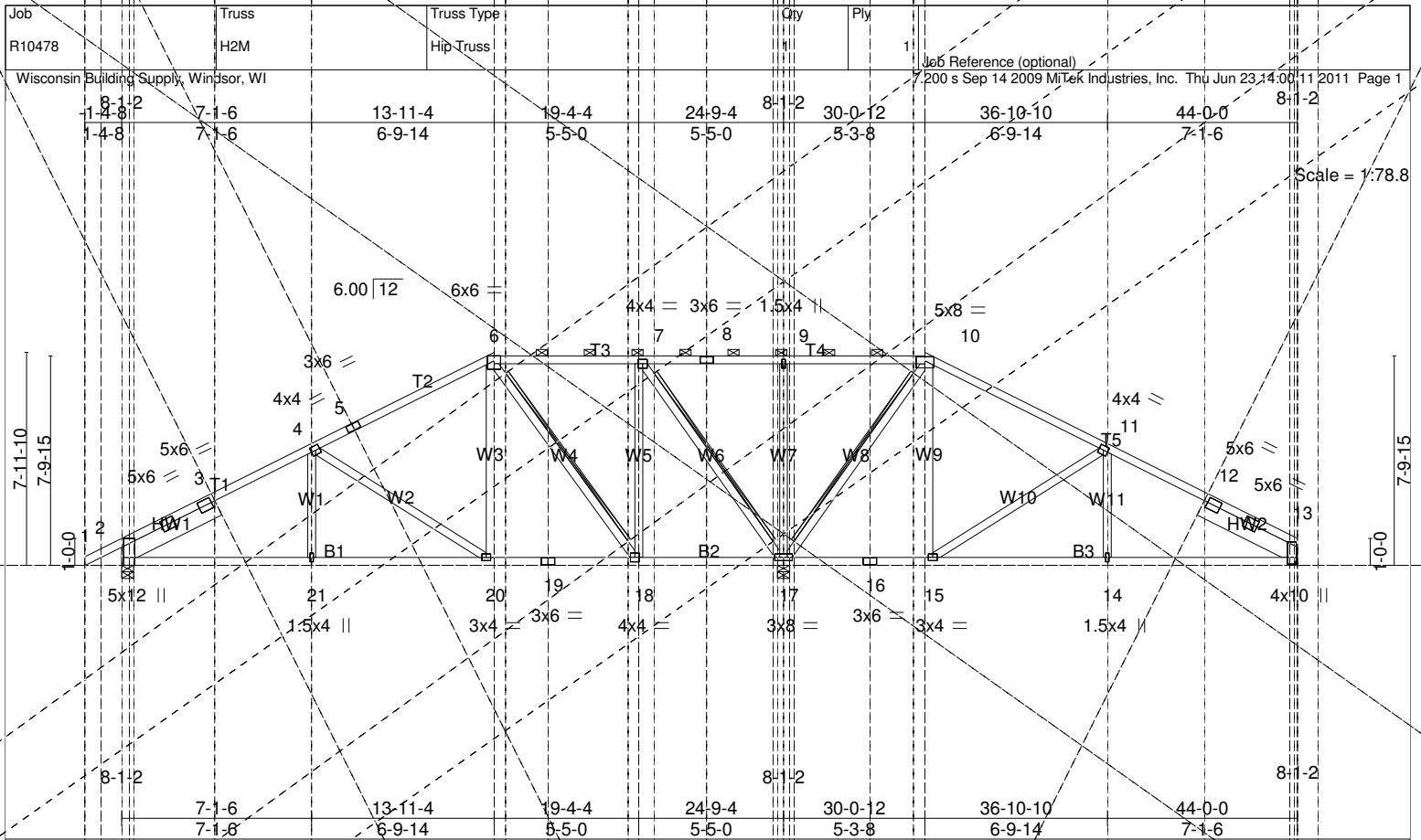
MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=985/0-5-8 (min. 0-1-11), 18=3043/0-4-0 (req. 0-4-12), 14=481/Mechanical
 Max Horz 2=-115(LC 5)
 Max Uplift 2=-224(LC 7), 18=-245(LC 7), 14=-196(LC 8)
 Max Grav 2=1143(LC 2), 18=3043(LC 1), 14=813(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2138/345, 3-4=-2001/371, 4-5=-1304/255, 5-6=-1187/272, 6-7=-617/206, 7-8=-469/204, 8-9=0/474,
 9-10=0/1346, 10-11=-12/897, 11-12=-21/834, 12-13=-688/509, 13-14=-990/474
 BOT CHORD 2-23=-339/1756, 22-23=-341/1764, 21-22=-131/1108, 20-21=-503/162, 19-20=-1384/239, 18-19=-3027/253,
 9-19=-1508/224, 16-17=-398/743, 15-16=-398/743, 14-15=-398/743
 WEBS 4-22=-632/203, 6-22=-27/357, 6-21=-864/230, 8-21=-145/1282, 8-20=-1262/187, 9-20=-129/1483,
 17-19=-804/181, 10-19=-1693/147, 10-17=-93/836, 12-17=-1053/262, 12-15=0/351

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) WARNING: Required bearing size at joint(s) 18 greater than input bearing size.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=224, 18=245, 14=196.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard



Job Reference (optional) 7200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 14:00:11 2011 Page 1

Wisconsin Building Supply, Windsor, WI

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.89 BC 0.43 WB 0.93 (Matrix)	in (loc) l/def L/d Vert(LL) -0.07 20-21 >999 240 Vert(TL) -0.17 2-21 >999 180 Horz(TL) 0.06 13 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 221 lb	
BCLL 0.0					
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 bc purlins (6-0-0 max.): 6-10.
BOT CHORD 2 X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-17.
WEBS 2 X 4 SPF No.2 *Except* W1,W11: 2 X 4 SPF Stud	WEBS T-Brace: 2 X 4 SPF Std - 6-18, 7-17, 10-17
SLIDER Left 2 X 8 SYP M 23 4-0-13, Right 2 X 8 SYP M 23 4-0-13	Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.

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

REACTIONS (lb/size) 13=675/Mechanical, 2=1129/0-5-8 (min. 0-2-1), 17=2706/0-5-8 (min. 0-4-4)
 Max Horz 2=100(LC 5)
 Max Uplift 13=167(LC 8), 2=242(LC 7), 17=172(LC 6)
 Max Grav 13=853(LC 3), 2=1324(LC 2), 17=2706(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=1741/244, 3-4=1470/272, 4-5=987/203, 5-6=832/235, 6-7=257/198, 7-8=0/694, 8-9=0/694, 9-10=0/697, 10-11=305/225, 11-12=850/263, 12-13=1119/234
 BOT CHORD 2-21=219/1384, 20-21=219/1384, 19-20=-76/737, 18-19=-76/737, 17-18=-70/255, 14-15=-118/857, 13-14=-118/857
 WEBS 4-21=0/293, 4-20=-754/216, 6-20=-44/530, 6-18=-831/102, 7-18=-18/778, 7-17=-1490/139, 9-17=-460/172, 10-17=-1230/113, 10-15=-49/573, 11-15=-859/226, 11-14=0/301

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=167, 2=242, 17=172.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

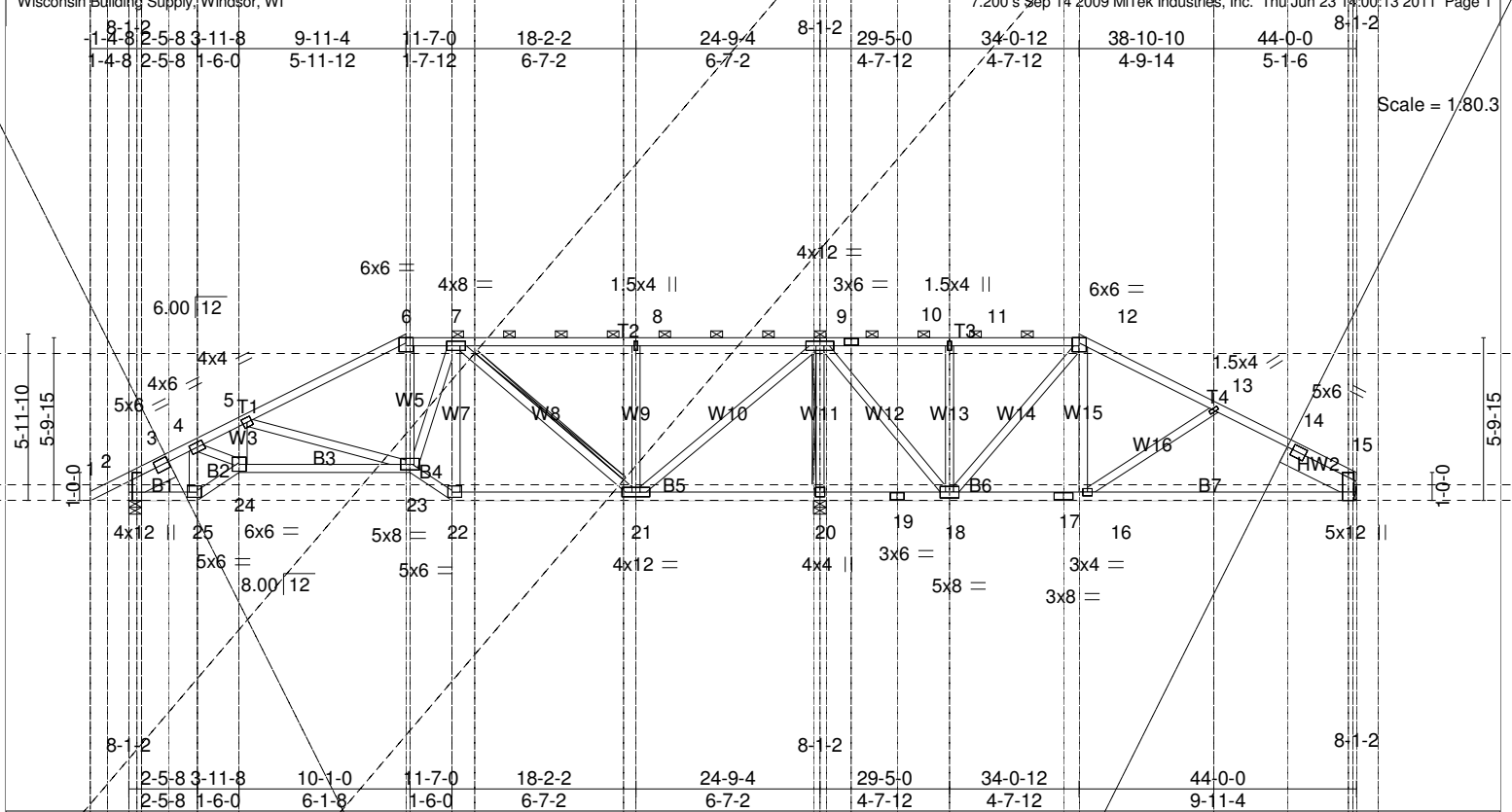


Plate Offsets (X|Y): [2:0-8-1,Edge], [15:0-8-1,Edge], [22:0-4-4,0-2-4], [25:0-4-4,0-2-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2:0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TP12002	TC 0.64 BC 0.69 WB 0.85 (Matrix)	in (loc) l/defl L/d Vert(TL) -0.23 15-16 >999 240 Vert(TL) -0.58 15-16 >400 180 Horz(TL) 0.09 20 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 213 lb	
BCLL 0.0					
BCDL 10.0					

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-9 oc purlins, except 2-0-0 oc purlins (4-6-8 max.); 6-12.
BOT CHORD 2 X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 5-10-8 oc bracing: 20-21 5-9-1 oc bracing: 18-20.
WEBS 2 X 4 SPF Stud "Except" W8 W10: 2 X 4 SPF No.2	WEBS T-Brace: 2 X 4 SPF Std - 7-21, 9-20 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c., with 3in minimum end distance. Brace must cover 90% of web length.
SLIDER Left 2 X 8 SYP M 23 1-9-3, Right 2 X 8 SYP M 23 2-11-6	

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

REACTIONS (lb/size) 15=666/Mechanical, 2=1122/0-5-8 (min. 0-2-0), 20=2722/0-5-8 (min. 0-4-4)
 Max Horz 2=74(LC 5)
 Max Uplift 15=128(LC 8), 2=199(LC 7), 20=335(LC 6)
 Max Grav 15=826(LC 3), 2=1273(LC 2), 20=2722(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=1578/161, 3-4=1458/170, 4-5=2466/312, 5-6=1503/188, 6-7=1251/204, 7-8=463/164, 8-9=463/164, 12-13=670/162, 13-14=905/236, 14-15=1098/216
 BOT CHORD 2-25=142/1138, 24-25=156/1313, 23-24=284/2244, 22-23=146/1220, 21-22=122/1023, 20-21=965/169, 19-20=965/169, 18-19=965/169, 17-18=0/494, 16-17=0/494, 15-16=113/857
 WEBS 4-25=696/93, 4-24=164/1321, 5-24=0/282, 5-23=1054/251, 6-23=62/401, 7-23=59/720, 7-22=596/119, 7-21=737/103, 8-21=550/204, 9-21=244/1803, 9-20=2581/404, 9-18=125/1273, 11-18=365/139, 12-18=763/55, 12-16=1/421, 13-16=421/199

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=128, 2=199, 20=335.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

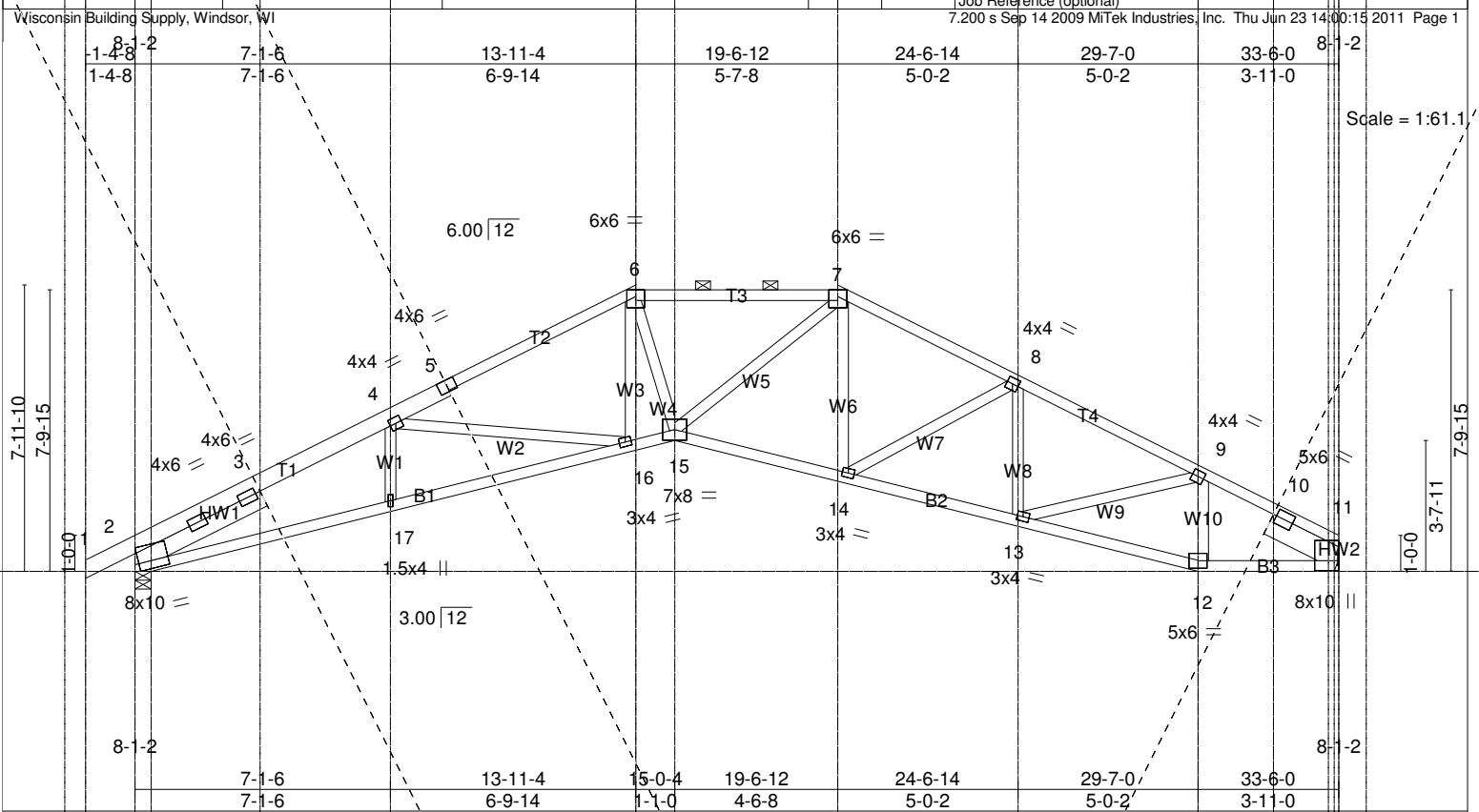


Plate Offsets (X, Y): [2:0-0-7,Edge], [5:0-3-0,Edge], [11:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL	30.0	Plates Increase	1.15	TC	0.98	Vert(LL)	-0.33	15	>999	240	MT20	197/144
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.74	Vert(TL)	-0.69	16-17	>583	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.46	11	n/a	n/a		
BCLL	0.0	Code	WISC/TP2002	(Matrix)								
BCDL	10.0											Weight: 154 lb

LUMBER
 TOP CHORD 2 X 4 SPF 1650F 1.5E *Except*
 T3: 2 X 4 SPF No.2, T1: 2 X 6 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF No.2 *Except*
 B1: 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 SPF Stud
 SLIDER Left 2 X 6 SPF No.2 4-0-6, Right 2 X 8 SYP M 23 2-2-6

BRACING
 TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (2-4-8 max.): 6-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

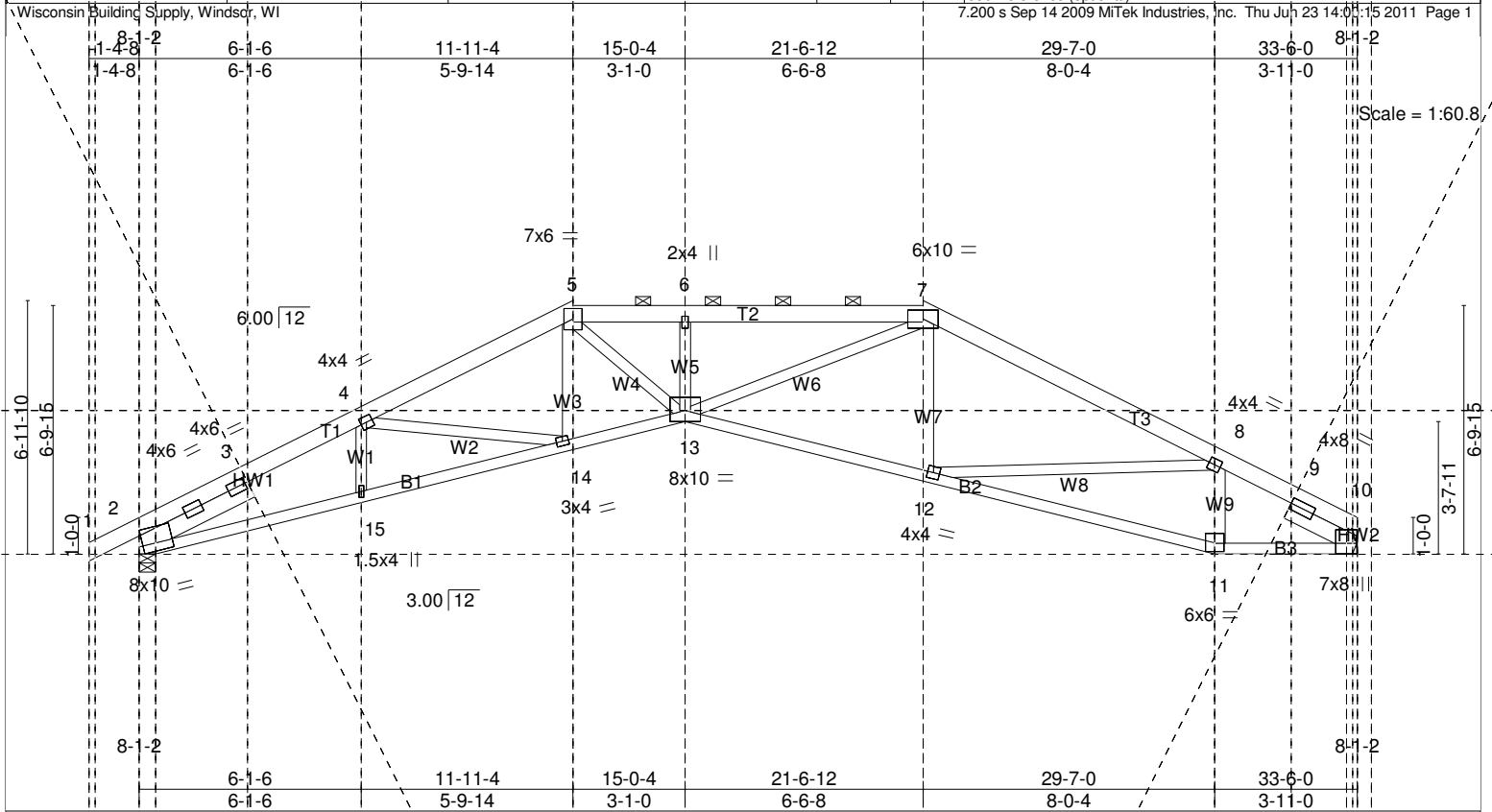
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 11=1669/Mechanical, 2=1790/0-5-8 (min. 0-2-11)
 Max Horz 2=102(LC 6)
 Max Uplift 11=212(LC 8), 2=280(LC 7)
 Max Grav 11=1669(LC 1), 2=1802(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=4414/544, 3-4=4288/567, 4-5=3743/373, 5-6=3635/402, 6-7=3469/398, 7-8=3099/329,
 8-9=3253/392, 9-10=2565/347, 10-11=2660/333
 BOT CHORD 2-17=500/3796, 16-17=503/3804, 15-16=194/3340, 14-15=-106/2778, 13-14=-195/2968, 12-13=-228/2189,
 11-12=-221/2136
 WEBS 4-17=0/278, 4-16=652/295, 6-16=-52/403, 6-15=-26/886, 7-15=-109/1167, 7-14=-77/358, 8-14=-354/195,
 8-13=-278/71, 9-13=-16/782, 9-12=-476/108

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Refer to girder(s) for truss to truss connections.
 - 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=212, 2=280.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard



LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TCLL	30.0	2-0-0		TG	0.79	in (loc)	l/defl	L/d	MT20	197/144	
(Roof Snow)	30.0	Plates Increase	1.15	BC	0.96	Vert(LL)	-0.37	13	>999	240	
TCDL	10.0	Lumber Increase	1.15	WB	0.97	Vert(TL)	-0.75	12-13	>536	180	
BCLL	0.0	Rep Stress Incr	YES	(Matrix)		Horz(TL)	0.51	10	n/a	n/a	
BCDL	10.0	Code	WISC/TPI2002								Weight: 161 lb

LUMBER
 TOP CHORD 2 X 6 SPF No.2 *Except*
 T1: 2 X 6 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF No.2 *Except*
 B1: 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 SPF Stud *Except*
 W8: 2 X 4 SPF No.2
 SLIDER Left 2 X 6 SPF No.2 3-5-11, Right 2 X 6 SPF No.2 2-1-6

BRACING
 TOP CHORD Structural wood sheathing directly applied or 2-5-14 oc purlins, except 2-0-0 oc purlins (2-9-2 max.); 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 12-13.

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

REACTIONS (lb/size) 10=1669/Mechanical, 2=1790/0-5-8 (min. 0-2-12)
 Max Horz 2=88(LC 6)
 Max Uplift 10=-199(LC 8), 2=-267(LC 7)
 Max Grav 10=1692(LC 3), 2=1830(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-4264/455, 3-4=-4145/489, 4-5=-4022/402, 5-6=-4900/441, 6-7=-4900/441, 7-8=-3405/301, 8-9=-2764/373, 9-10=-2832/352
 BOT CHORD 2-15=-421/3626, 14-15=-423/3635, 13-14=-226/3682, 12-13=-110/3029, 11-12=-273/2415, 10-11=-263/2349
 WEBS 4-14=-116/392, 5-13=-163/1844, 6-13=-440/180, 7-13=-247/2258, 8-12=-86/834, 8-11=-485/138

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Refer to girder(s) for truss to truss connections.
 - 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=199, 2=267.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

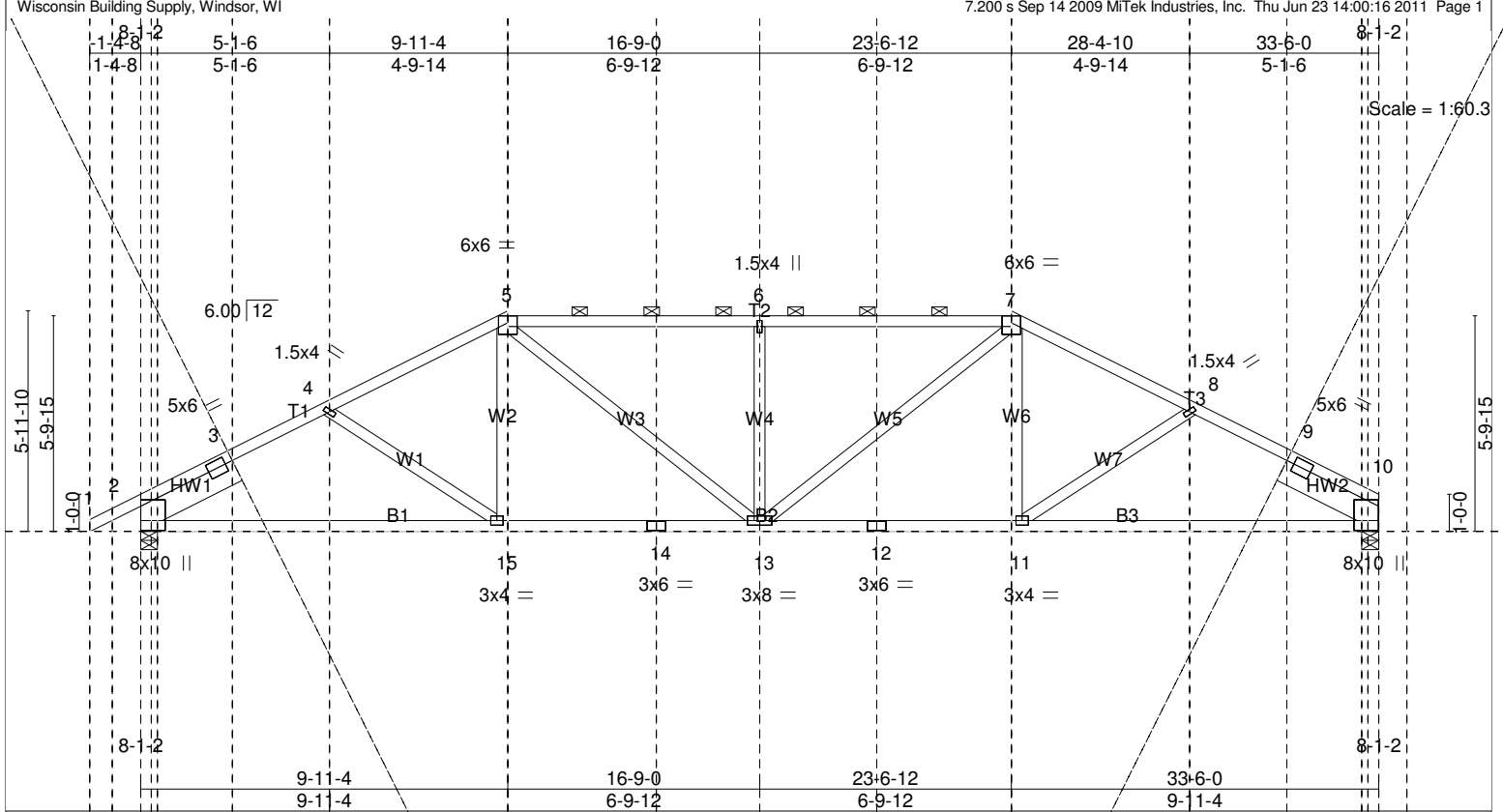


Plate Offsets (X, Y) [2:Edge,0-0-0], [10:Edge,0-0-0]	
LOADING (psf)	SPACING
TCLL 80.0	2-0-0
(Roof Snow=30.0)	Plates Increase 1.15
TCDL 10.0	Lumber Increase 1.15
BCLL 0.0	Rep Stress Incr YES
BCDL 10.0	Code WISC/TPI2002
CSI	DEFL
TC 0.96	in (loc) l/defl l/d
BC 0.91	Vert(LL) -0.24, 10-11 >999 240
WB 0.43	Vert(TL) -0.63, 10-11 >638 180
(Matrix)	Horz(TL) 0.14, 10 n/a n/a
PLATES	GRIP
MT20	197/144
Weight: 149 lb	

LUMBER	BRACING
TOP CHORD: 2 X 4 SPF 1650F 1.5E "Except"	TOP CHORD: Structural wood sheathing directly applied, except
T2: 2 X 4 SPF No.2	2-0-0 oc purlins (2-9-14 max.): 5-7.
BOT CHORD: 2 X 4 SPF No.2	BOT CHORD: Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS: 2 X 4 SPF Stud "Except"	
W3, W5: 2 X 4 SPF No.2	
SLIDER: Left 2 X 8 SYP M 23 2-11-6, Right 2 X 8 SYP M 23 2-11-6	

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

REACTIONS (lb/size) 10=1673/0-5-8 (min. 0-2-11), 2=1787/0-5-8 (min. 0-2-14)
 Max Horz 2=-74(LC 5)
 Max Uplift 10=-185(LC 8), 2=-250(LC 7)
 Max Grav 10=1713(LC 3), 2=1847(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2706/297, 3-4=-2561/325, 4-5=-2427/265, 5-6=-2604/318, 6-7=-2604/319, 7-8=-2435/271,
 8-9=-2583/336, 9-10=-2724/307
 BOT CHORD 2-15=-255/2169, 14-15=-175/2131, 13-14=-175/2131, 12-13=-112/2136, 11-12=-112/2136, 10-11=-197/2195
 WEBS 5-15=0/323, 5-13=-179/786, 6-13=-658/239, 7-13=-178/781, 7-11=0/326

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=185, 2=250.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

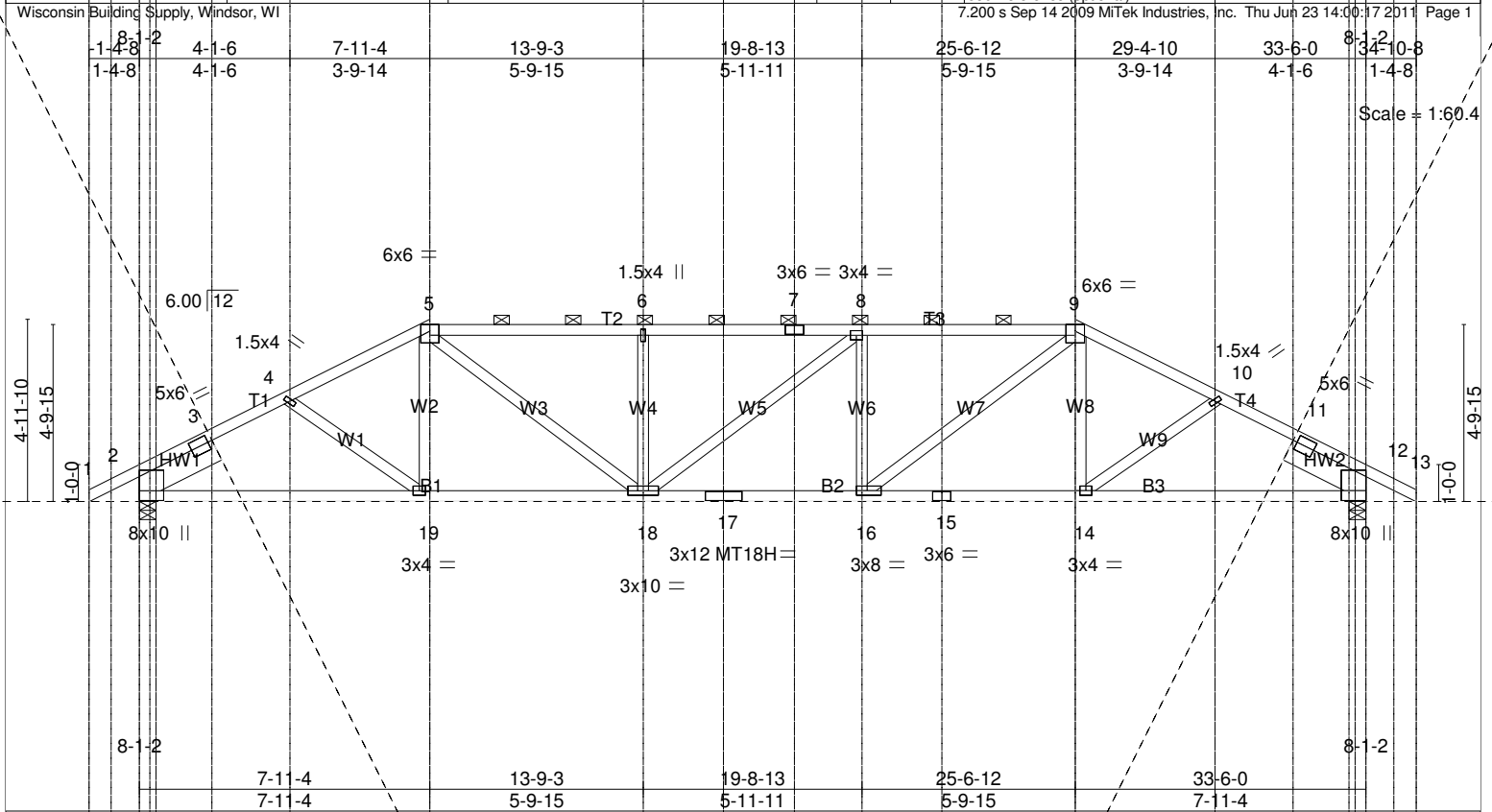


Plate Offsets (X,Y): [2:Edge,0-0-0], [12:Edge,0-0-0], [16:0-3-8,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	TC 0.89 BC 0.76 WB 0.28 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.28 16-18 >999 240 Vert(TL) -0.48 16-18 >831 180 Horz(TL) 0.15 12 n/a n/a	MT20 MT18H Weight: 151 lb	197/144 197/144

LUMBER	BRACING
TOP CHORD 2 X 4 SPF 1650F 1.5E *Except* T2,T3: 2 X 4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (2-10-2 max.): 5-9.
BOT CHORD 2 X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 9-10-1 oc bracing.
WEBS 2 X 4 SPF Stud *Except* W3,W5,W7: 2 X 4 SPF No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
SLIDER Left 2 X 8 SYP M 23 2-4-10, Right 2 X 8 SYP M 23 2-4-10	

REACTIONS (lb/size) 2=1785/0-5-8 (min. 0-2-15), 12=1785/0-5-8 (min. 0-2-15)
 Max Horz 2=60(LC 6)
 Max Uplift 2=-233(LC 7), 12=-233(LC 8)
 Max Grav 2=1856(LC 2), 12=1856(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=2657/291, 3-4=2550/300, 4-5=2507/312, 5-6=3041/435, 6-7=3038/434, 7-8=3038/434,
 8-9=3042/436, 9-10=2506/312, 10-11=2550/300, 11-12=2655/291
 BOT CHORD 2-19=258/2119, 18-19=246/2231, 17-18=358/3039, 16-17=358/3039, 15-16=186/2230, 14-15=186/2230,
 12-14=197/2119
 WEBS 4-19=48/343, 5-18=225/1143, 6-18=528/190, 8-16=595/207, 9-16=226/1144, 10-14=48/343

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Plates 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=233, 12=233.
 - 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

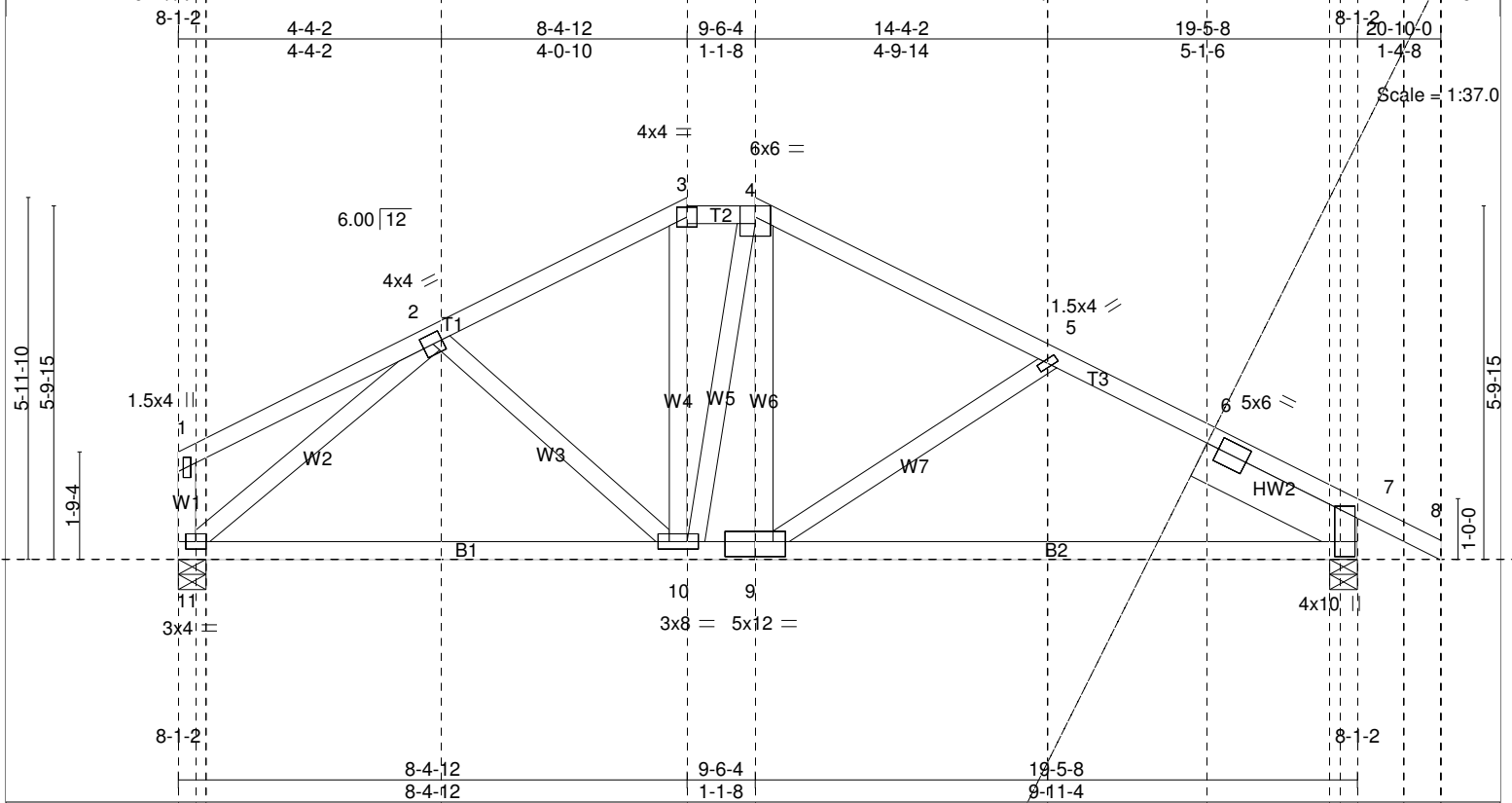


Plate Offsets (X,Y): [7-0-7,9,0-0-8], [9-0-6-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.58 BC 0.79 WB 0.73 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.28 7-9 >818 240 Vert(TL) -0.72 7-9 >320 180 Horz(TL) 0.03 7 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0	Code WISC/TPI2002				Weight: 96 lb
BCDL 10.0					

LUMBER
 TOP CHORD 2 X 4 SPF No.2
 BOT CHORD 2 X 4 SPF 1650F 1.5E
 WEBS 2 X 4 SPF Stud
 SLIDER Right 2 X 8 SYP M 23 2-11-6

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
 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) 11=962/0-5-8 (min. 0-1-8), 7=1080/0-5-8 (min. 0-1-12)
 Max Horz 11=-119(LC 5)
 Max Uplift 11=-121(LC 7), 7=-197(LC 8)
 Max Grav 11=962(LC 1), 7=1106(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1018/166, 3-4=-832/169, 4-5=-1056/148, 5-6=-1282/236, 6-7=-1403/214
 BOT CHORD 10-11=-126/881, 9-10=0/870, 7-9=-115/1085
 WEBS 3-10=-42/288, 4-10=-319/13, 4-9=0/383, 5-9=-358/213, 2-11=-1171/137

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=121, 7=197.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

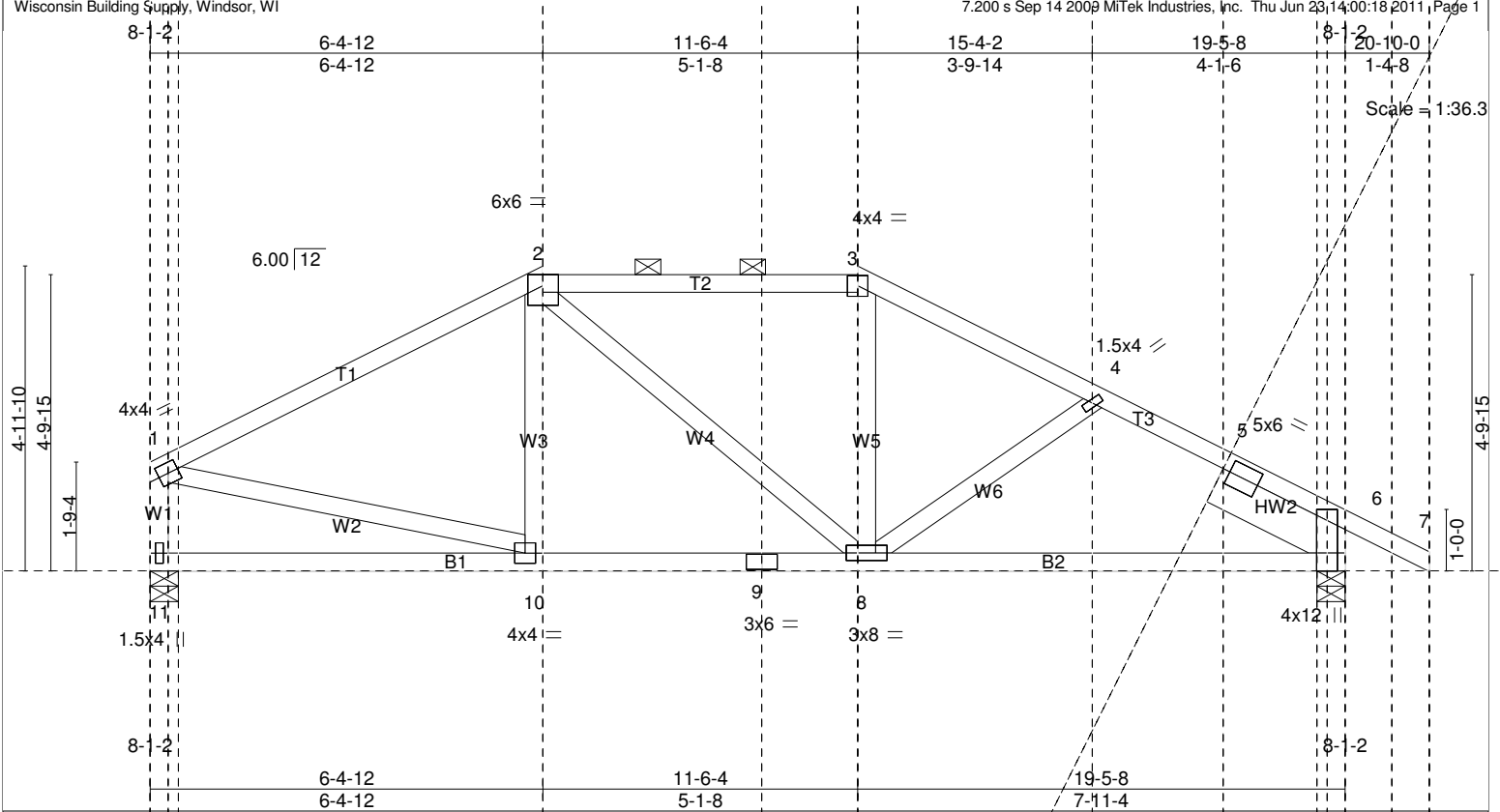


Plate Offsets (X,Y): [6,0-8-1,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.99 BC 0.58 WB 0.39 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 6-8 >999 240 Vert(TL) -0.35 6-8 >655 180 Horz(TL) 0.03 6 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0	Code WISC/TPI2002				
BCDL 10.0				Weight: 87 lb	

LUMBER
 TOP CHORD 2 X 4 SPF No.2 *Except*
 T1: 2 X 4 SPF 1650F 1.5E
 BOT CHORD 2 X 4 SPF No.2
 WEBS 2 X 4 SPF Stud
 SLIDER Right 2 X 8 SYP M 23 2-4-10

BRACING
 TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-11-2 max.): 2-3.
 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) 11=962/0-5-8 (min. 0-1-8), 6=1080/0-5-8 (min. 0-1-12)
 Max Horz 11=-105(LC 5)
 Max Uplift 11=-108(LC 7), 6=-187(LC 8)
 Max Grav 11=962(LC 1), 6=1135(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1078/114, 2-3=-994/165, 3-4=-1164/152, 4-5=-1313/207, 5-6=-1414/183, 1-11=-909/139
 BOT CHORD 9-10=-29/893, 8-9=-29/893, 6-8=-99/1089
 WEBS 2-8=-37/262, 1-10=-36/917

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Plates checked for a plus or minus 5 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=108, 6=187.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

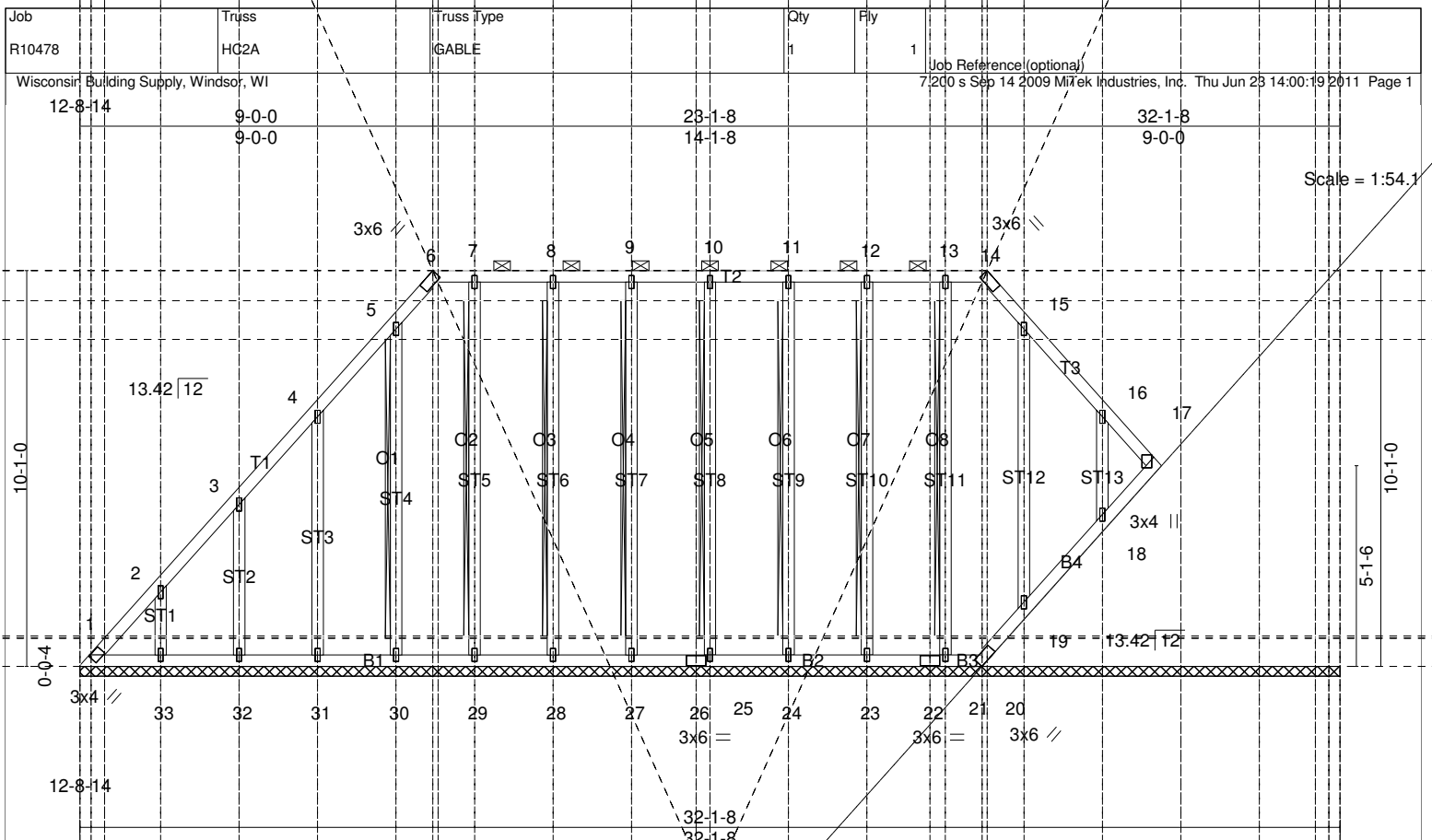


Plate Offsets (X,Y): [6:0-2-10,Edge], [14:0-2-10,Edge]

LOADING (psf)	
TCLL	30.0
(Roof Snow)	30.0
TCDL	10.0
BCLL	0.0
BCDL	10.0

SPACING	
Plates Increase	1,15
Lumber Increase	1,15
Rep Stress Incr	YES
Code	WISC/TP12002

CSI	
TC	0.08
BC	0.04
WB	0.17
(Matrix)	

DEFL	
Vert(LL)	n/a
Vert(TL)	n/a
Horz(TL)	0.01

PLATES		GRIP	
MT20		197/144	
Weight: 183 lb			

LUMBER	
TOP CHORD	2 X 4 SPF No.2
BOT CHORD	2 X 4 SPF No.2
OTHERS	2 X 4 SPF No.2 *Except* ST3,ST2,ST1,ST13: 2 X 4 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SPF Std - 10-25, 9-27, 8-28, 7-29, 5-30, 11-24, 12-23, 13-21
 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance.
 Brace must cover 90% of web length.

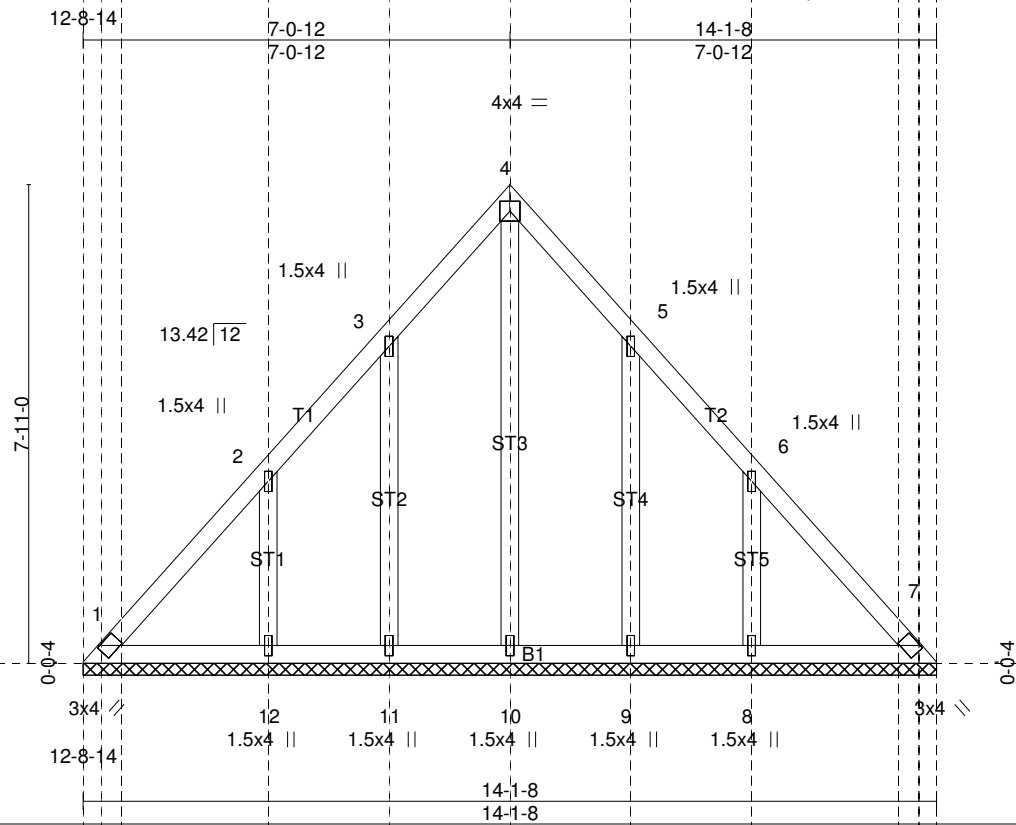
REACTIONS All bearings 32-1-8.
 (lb) - Max Horz 1=295(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 25, 27, 28, 29, 30, 24, 23, 21, 19 except 17=112(LC 6), 31=155(LC 7), 32=135(LC 7), 33=147(LC 7), 18=174(LC 8), 20=130(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) 25, 27, 28, 29, 30, 31, 32, 33, 24, 23, 21, 19, 18, 20 except 1=314(LC 7), 17=256(LC 8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=438/135, 2-3=300/119

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 6) Plates checked for a plus or minus 5 degree rotation about its center.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 25, 27, 28, 29, 30, 24, 23, 21, 19 except (jt=lb) 17=112, 31=155, 32=135, 33=147, 18=174, 20=130.
 - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 17, 19, 18.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 13) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - 14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Scale = 1:54.1



Scale = 1:38.1

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15 Lumber Increase 1.15	TC 0.15 BC 0.08 WB 0.16 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 7 n/a n/a	MT20	197/144
TCDL 10.0	Rep Stress Incr YES				
BCLL 0.0	Code WISC/TPI2002				
BCDL 10.0					Weight: 66 lb

LUMBER TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 OTHERS 2 X 4 SPF Stud *Except* ST3: 2 X 4 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. <div style="border: 1px solid black; padding: 2px; margin-top: 5px;">MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</div>
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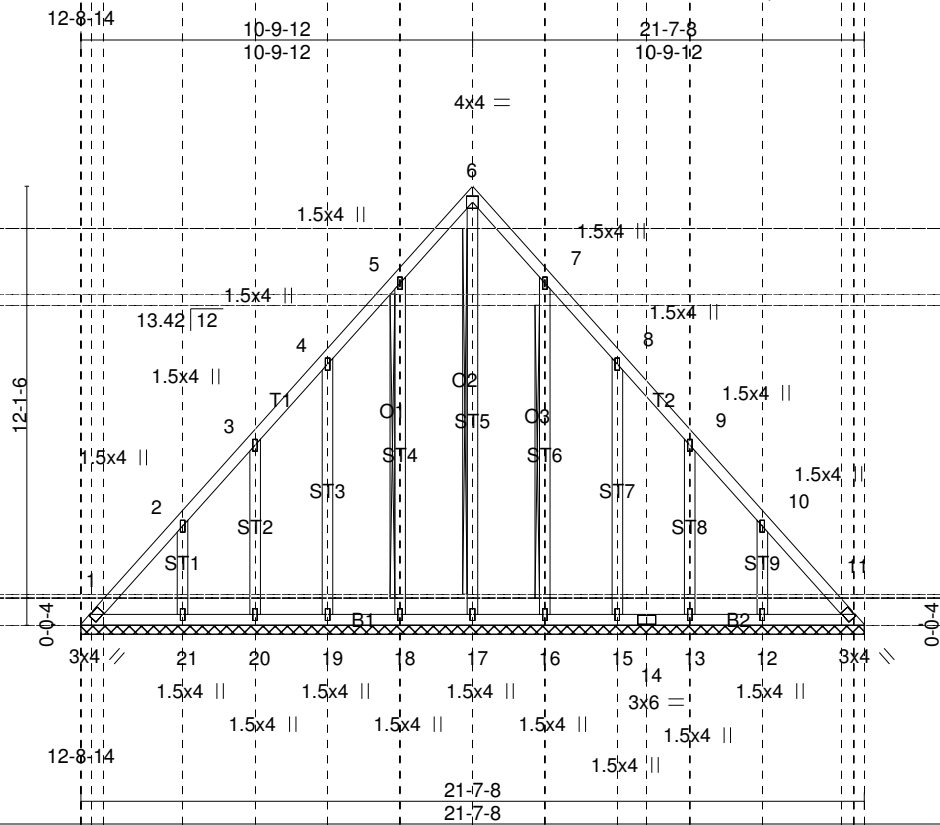
REACTIONS All bearings 14-1-8.
(lb) - Max Horz 1=-245(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 11=-138(LC 7), 12=-197(LC 7), 9=-137(LC 8), 8=-197(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 9 except 12=325(LC 2), 8=325(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-12=-267/232, 6-8=-267/232

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Plates checked for a plus or minus 5 degree rotation about its center.
 - 5) Gable requires continuous bottom chord bearing.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 11=138, 12=197, 9=137, 8=197.
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job R10478	Truss HC3	Truss Type GABLE	Qty 1	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 Mitek Industries, Inc. Thu Jun 23 14:00:21 2011 Page 1
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Scale: 3/16"=1'

LOADING (psf) TCLL 30.0 (Roof Snow=30.0) TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code WISC/TPI2002	CSI TC 0.13 BC 0.07 WB 0.24 (Matrix)	DEFL Vert(LL) n/a Vert(TL) n/a Horz(TL) 0.01	in (loc) l/defl r/a n/a 11	L/d₁ 999 ¹ 999 ¹ n/a ¹	PLATES MT20	GRIP 197/144	Weight: 128 lb
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LUMBER TOP CHORD 2 X 4 SPF No.2 BOT CHORD 2 X 4 SPF No.2 OTHERS 2 X 4 SPF No.2 *Except* ST2,ST1,ST8,ST9: 2 X 4 SPF Stud	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 T-Brace: 2 X 4 SPF Std - 6-17, 5-18, 7-16 Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c. with 3in minimum end distance. Brace must cover 90% of web length.
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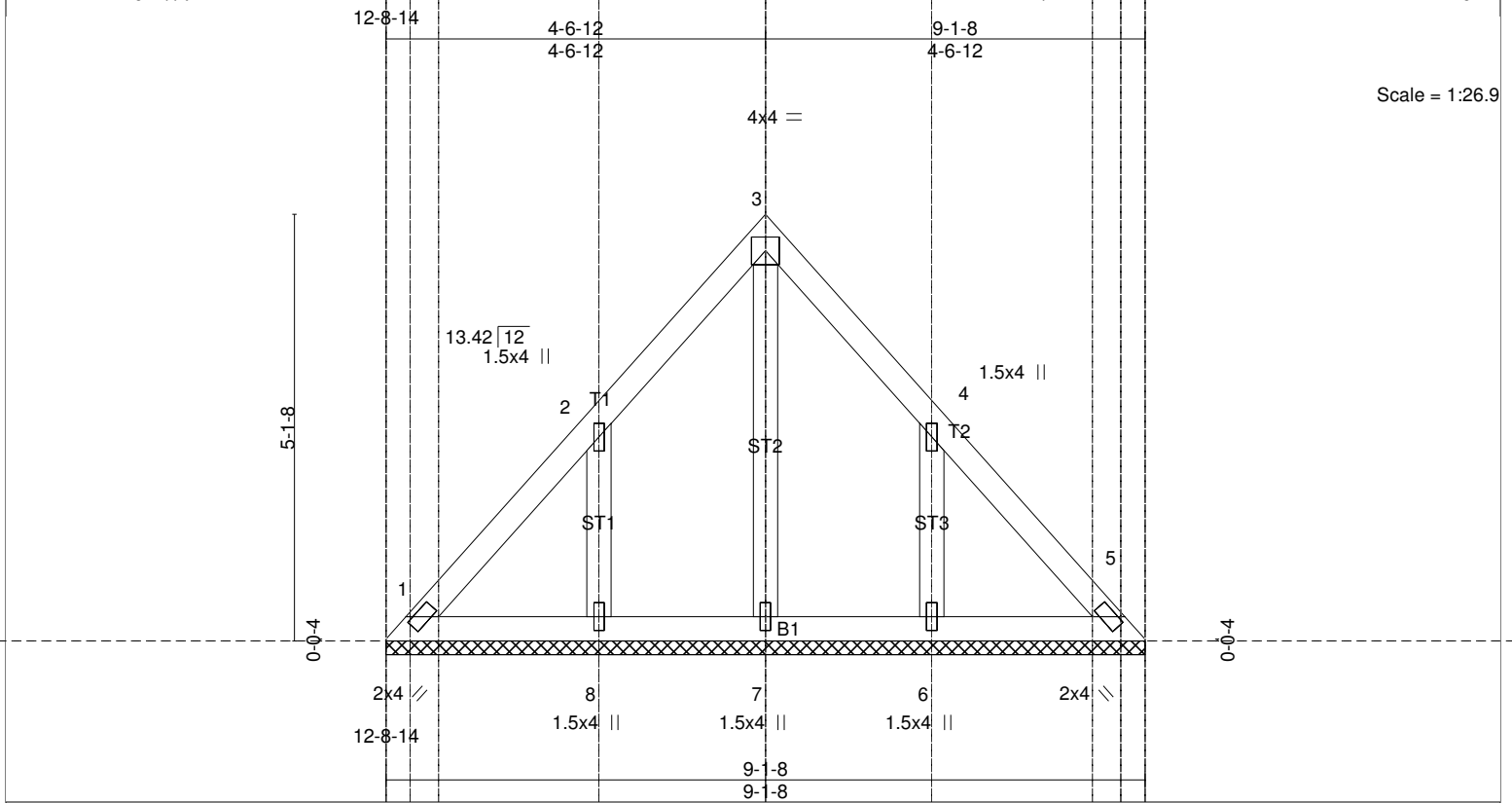
Mitek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 21-7-8. (lb) - Max Horz 1=-381(LC 5) Max Uplift All uplift 100 lb or less at joint(s) 11 except 1=118(LC 5), 18=149(LC 7), 19=145(LC 7), 20=125(LC 7), 21=184(LC 7), 16=148(LC 8), 15=146(LC 8), 13=125(LC 8), 12=184(LC 8) Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 16, 15, 13 except 1=293(LC 6), 11=268(LC 8), 17=324(LC 8), 21=305(LC 2), 12=305(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-422/211, 2-3=-286/184, 10-11=-390/130 BOT CHORD 1-21=-83/303, 20-21=-83/303, 19-20=-83/303, 18-19=-83/303, 17-18=-83/303, 16-17=-83/303, 15-16=-83/303, 14-15=-83/303, 13-14=-83/303, 12-13=-83/303, 11-12=-83/303 WEBS 6-17=-300/0, 2-21=-251/216, 10-12=-251/216

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Mitek "Standard Gable End Detail"
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Plates checked for a plus or minus 5 degree rotation about its center.
 - 5) Gable requires continuous bottom chord bearing.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (it=lb) 1=118, 18=149, 19=145, 20=125, 21=184, 16=148, 15=146, 13=125, 12=184.
 - 9) *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.
 - 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	Plates Increase 1.15	TC 0.12	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.05	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.08	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code WISC/TPI2002	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
				Weight: 35 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
OTHERS 2 X 4 SPF Stud

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.

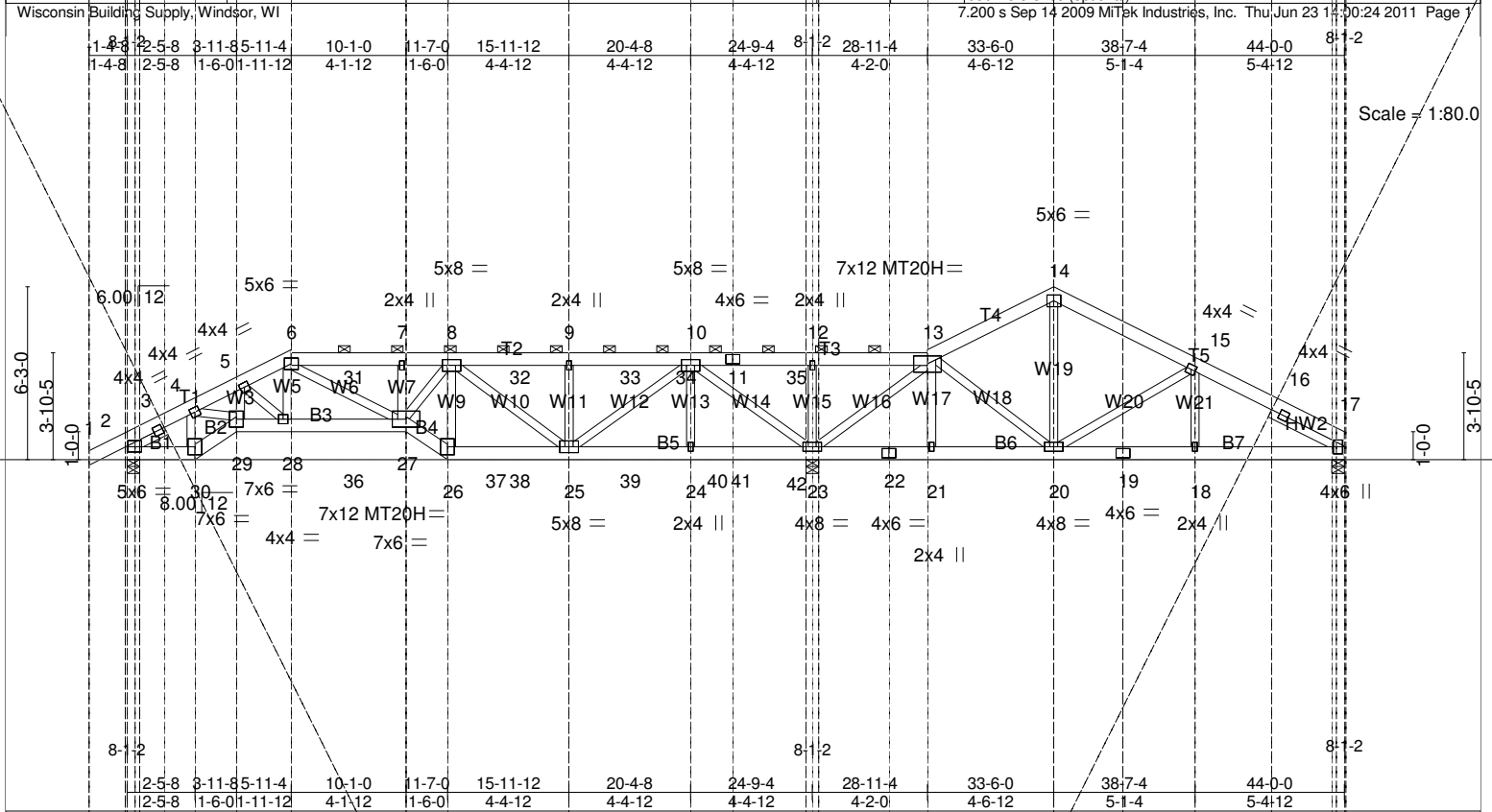
REACTIONS All bearings 9-1-8.
(lb) - Max Horz 1=-154(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-185(LC 7), 6=-185(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=301(LC 2), 6=301(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-251/215, 4-6=-251/215

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Plates checked for a plus or minus 5 degree rotation about its center.
 - 5) Gable requires continuous bottom chord bearing.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=185, 6=185.
 - 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
R10478	HGR2	Special Truss	1	2	7.200 s Sep 14 2009 MTSk Industries, Inc. Thu Jun 23 14:00:24 2011 Page 1



Scale = 1:80.0

Plate Offsets (X/Y):	[2:0-0-5,0-2-10], [17:0-3-6,0-0-13]				
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2:0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code WISC/TP12002	TC 0.51 BC 0.56 WB 0.67 (Matrix)	in (oc) l/defl L/d Vert(LL) -0.11 27 >999 240 Vert(TL) -0.20 27 >999 180 Horz(TL) 0.08 23 n/a n/a	MT20 MT20H Weight: 507 lb	197/144 148/108

LUMBER	BRACING
TOP CHORD 2 X 6 SPF No.2 BOT CHORD 2 X 6 SPF No.2 WEBS 2 X 4 SPF Stud SLIDER Left 2 X 4 SPF Stud 1-6-4, Right 2 X 4 SPF Stud 2-11-6	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purling (6-0-0 max.); 6-13. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb size)
17=393/0-5-8 (min. 0-1-8), 2=2143/0-5-8 (min. 0-1-12), 23=4640/0-5-8 (min. 0-3-10) Max Horz 2=83(LC 7) Max Uplift 17=58(LC 8), 2=433(LC 7), 23=849(LC 7) Max Grav 17=442(LC 3), 2=2252(LC 2), 23=4640(LC 1)

FORCES (lb)	Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=3276/563, 3-4=3162/560, 4-5=5295/972, 5-6=4834/890, 6-31=4955/938, 7-31=4958/938, 7-8=4956/937, 8-32=2488/557, 9-32=2488/557, 9-33=2488/557, 33-34=2488/557, 10-34=2488/557, 10-11=517/3018, 11-35=517/3018, 12-35=517/3018, 12-13=516/3019, 13-14=195/570, 14-15=180/494, 15-16=352/250, 16-17=459/226
BOT CHORD	2-30=473/2553, 29-30=528/2843, 28-29=843/4680, 28-36=756/4335, 27-36=756/4335, 26-27=721/3971, 26-37=645/3541, 37-38=645/3541, 25-38=646/3540, 25-39=121/313, 39-40=121/313, 24-40=121/313, 24-41=121/313, 41-42=121/313, 23-42=121/313, 22-23=1654/412, 21-22=1654/412, 20-21=1654/414, 19-20=189/315, 18-19=189/315, 17-18=189/315
WEBS	4-30=1452/302, 4-29=437/2474, 5-29=101/492, 5-28=384/110, 6-28=111/1087, 6-27=222/850, 7-27=296/146, 8-27=401/2494, 8-26=1758/395, 8-25=1347/234, 9-25=680/284, 10-25=506/2757, 10-24=0/291, 10-23=4131/820, 12-23=640/237, 13-23=1894/280, 13-20=244/1680, 14-20=682/183, 15-20=700/188

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05: 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - Plates checked for a plus or minus 5 degree rotation about its center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 2=433, 23=849.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 133 lb down and 79 lb up at 5-11-4, 133 lb down and 79 lb up at 8-0-0, 133 lb down and 79 lb up at 10-0-0, 157 lb down and 97 lb up at 12-0-0, 157 lb down and 97 lb up at 14-0-0, 157 lb down and 97 lb up at 16-0-0, 157 lb down and 97 lb up at 18-0-0, 157 lb down and 97 lb up at 20-0-0, and 168 lb down and 101 lb up at 22-0-0, and 168 lb down and 101 lb up at 24-0-0 on top chord, and 555 lb down and 92 lb up at 5-11-4, 122 lb down at 8-0-0, 122 lb down at 9-11-4, 68 lb down at 12-0-0, 68 lb down at 14-0-0, 68 lb down at 16-0-0, 68 lb down at 18-0-0, 68 lb down at 20-0-0, and 70 lb down at 22-0-0, and 70 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Job	Truss	Truss Type	Qty	Ply	
R10478	HGR2	Special Truss	1	2	Job Reference (optional)

Wisconsin Building Supply, Windsor, WI

7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 14:00:24 2011 Page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-80, 6-13=-80, 13-14=-80, 14-17=-80, 2-30=-20, 29-30=-20, 27-29=-20, 26-27=-20, 17-26=-20

Concentrated Loads (lb)

Vert: 6=-133(B) 11=-168(B) 27=-102(B) 28=-555(B) 7=-133(B) 8=-157(B) 25=-53(B) 9=-157(B) 31=-133(B) 32=-157(B) 33=-157(B) 34=-157(B) 35=-168(B) 36=-102(B) 37=-53(B) 38=-53(B) 39=-53(B) 40=-53(B) 41=-61(B) 42=-61(B)

Job	R10478	Truss	HGR3	Truss Type	Hip Truss	Qty	1	Ply	2	Job Reference (optional)	7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 14:00:25 2011 Page 1
Wisconsin Building Supply, Windsor, WI	8-1-2	5-11-4	11-3-4	16-9-0	22-2-12	27-6-12	33-6-0	8-1-2	34-10-8		
	1-4-8	5-11-4	5-4-0	5-5-12	5-5-12	5-4-0	5-11-4	1-4-8			

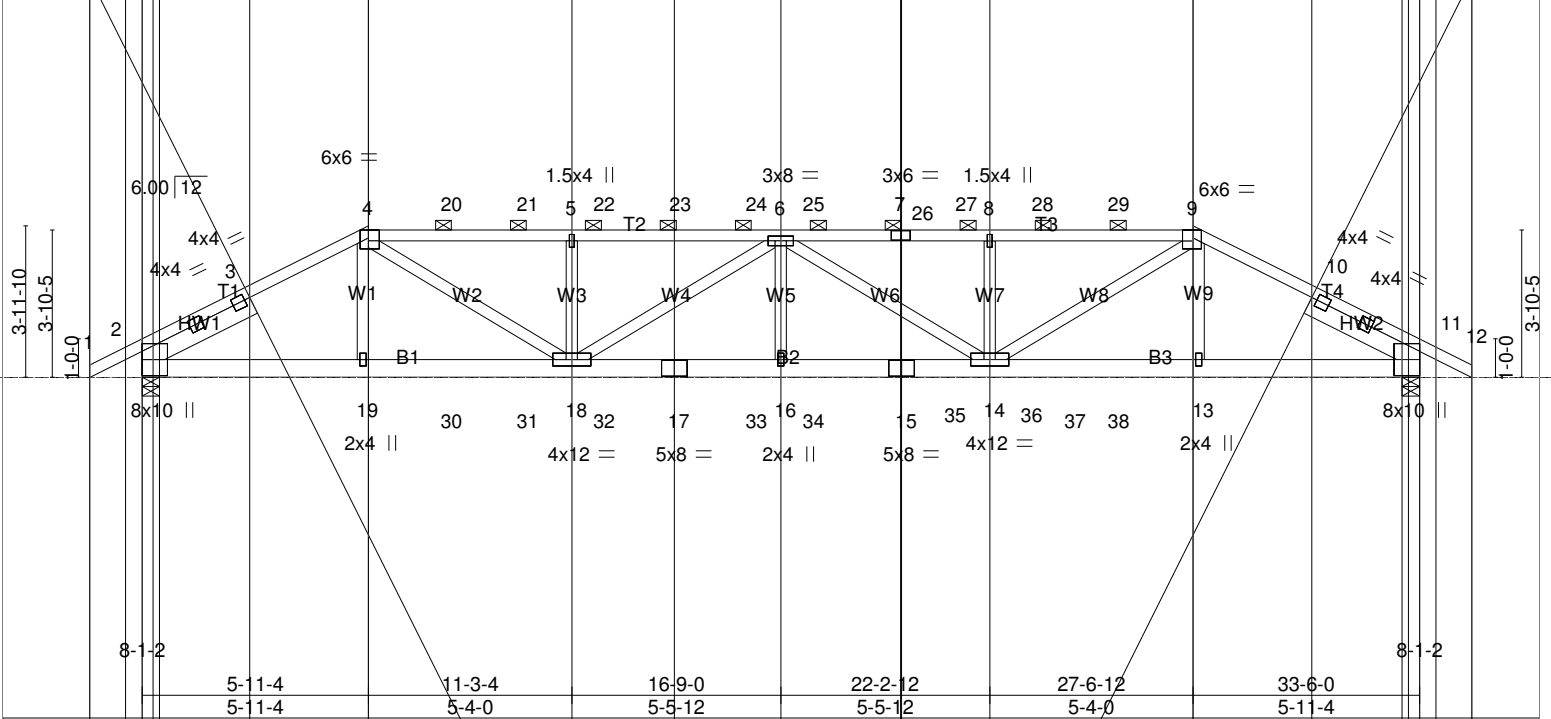


Plate Offsets (X, Y):	[4:0-3-6, Edge], [9:0-3-6, Edge]											
LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.15	TC	0.90	Vert(LL)	-0.31	16	>999	240	MT20	197/144
(Roof Snow=30.0)		Lumber Increase	1.15	BC	0.90	Vert(TL)	-0.58	16	>694	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.13	11	n/a	n/a		
BCLL	0.0	Code	WISC/TPI2002	(Matrix)							Weight: 322 lb	
BCDL	10.0											

LUMBER		BRACING	
TOP CHORD	2 X 4 SPF 2400F 2.0E *Except* T2, T3: 2 X 4 SPF 2100F 1.8E	TOP CHORD	Structural wood sheathing directly applied or 4-7-1 oc purlins, except 2-0-0 oc purlins (4-9-6 max.); 4-9.
BOT CHORD	2 X 6 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2 X 4 SPF Stud		
SLIDER	Left 2 X 6 SPF No.2 3-3-0, Right 2 X 6 SPF No.2 3-3-0		

REACTIONS (lb/size) 2=3495/0-5-8 (min. 0-2-13), 11=3495/0-5-8 (min. 0-2-13)
 Max Horz 2=48(LC 7)
 Max Uplift 2=741(LC 7), 11=741(LC 8)
 Max Grav 2=3568(LC 2), 11=3568(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=6031/1197, 3-4=5887/1214, 4-20=7946/1686, 20-21=7947/1686, 5-21=7951/1687, 5-22=7946/1685, 22-23=7946/1685, 23-24=7946/1685, 6-24=7946/1685, 6-25=7946/1685, 25-26=7946/1685, 7-26=7946/1685, 7-27=7946/1685, 8-27=7946/1685, 8-28=7950/1687, 28-29=7947/1686, 9-29=7945/1686, 9-10=5887/1214, 10-11=6031/1198
 BOT CHORD 2-19=1035/5098, 19-30=1036/5078, 30-31=1036/5078, 18-31=1036/5078, 18-32=1811/8816, 17-32=1811/8816, 17-33=1811/8816, 16-33=1811/8816, 16-34=1811/8816, 34-35=1811/8816, 15-35=1811/8816, 15-36=1811/8816, 14-36=1811/8816, 14-37=990/5078, 37-38=990/5078, 13-38=990/5078, 11-13=990/5097
 WEBS 4-19=7/488, 4-18=771/3551, 5-18=1056/416, 6-18=1094/236, 6-16=0/403, 6-14=1094/235, 8-14=1056/416, 9-14=772/3550, 9-13=8/488

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-7-0 oc.
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - Plates checked for a plus or minus 5 degree rotation about its center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=741, 11=741.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 157 lb down and 97 lb up at 5-11-4, 157 lb down and 97 lb up at 8-0-0, 157 lb down and 97 lb up at 10-0-0, 157 lb down and 97 lb up at 12-0-0, 157 lb down and 97 lb up at 14-0-0, 157 lb down and 97 lb up at 16-0-0, 157 lb down and 97 lb up at 17-6-0, 157 lb down and 97 lb up at 19-6-0, 157 lb down and 97 lb up at 21-6-0, 157 lb down and 97 lb up at 23-6-0, and 157 lb down and 97 lb up at 25-6-0, and 157 lb down and 97 lb up at 27-6-12 on top chord, and 502 lb down and 119 lb up at 5-11-4, 68 lb down at 8-0-0, 68 lb down at 10-0-0, 68 lb down at 12-0-0, 68 lb down at 14-0-0, 68 lb down at 16-0-0, 68 lb down at 17-6-0, 68 lb down at 19-6-0, 68 lb down at 21-6-0, 68 lb down at 23-6-0, and 68 lb down at 25-6-0, and 502 lb down and 119 lb up at 27-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Job	Truss	Truss Type	Qty	Ply	
R10478	HGR3	Hip Truss	1	2	Job Reference (optional)

Wisconsin Building Supply, Windsor, WI

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-80, 4-9=-80, 9-12=-80, 2-11=-20

Concentrated Loads (lb)

Vert: 4=-157(F) 17=-53(F) 19=-502(F) 9=-157(F) 13=-502(F) 20=-157(F) 21=-157(F) 22=-157(F) 23=-157(F) 24=-157(F) 25=-157(F) 26=-157(F) 27=-157(F) 28=-157(F) 29=-157(F) 30=-53(F) 31=-53(F) 32=-53(F) 33=-53(F) 34=-53(F) 35=-53(F) 36=-53(F) 37=-53(F) 38=-53(F)

Job R10478	Truss HGR4	Truss Type Hip Truss	Qty 1	Ply 2	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 14:00:26 2011
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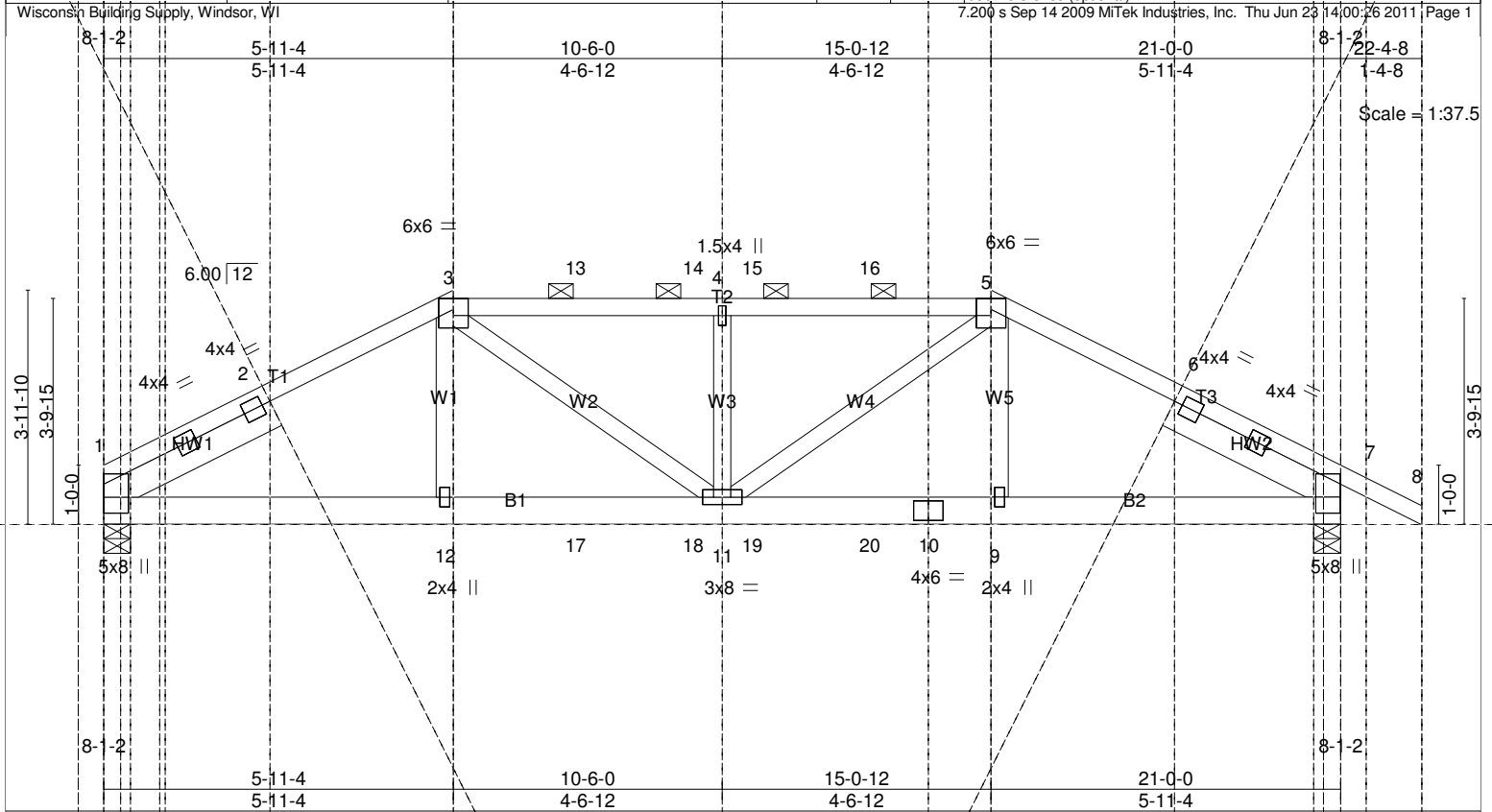


Plate Offsets (X,Y): [1,0-3-4,0-0-1], [7,0-5-13,0-0-1]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow)=30.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr NO Code WISC/TP12002	TC 0.97 BC 0.36 WB 0.26 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 11 >.999 240 Vert(TL) -0.18 11-12 >.999 180 Horz(TL) 0.04 7 n/a n/a	MT20	197/144
Weight: 200 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SPF 2100F 1.8E *Except* T2: 2 X 4 SPF No.2 BOT CHORD 2 X 6 SPF No.2 WEBS 2 X 4 SPF Stud SLIDER Left 2 X 6 SPF No.2 3-3-0, Right 2 X 6 SPF No.2 3-3-0	TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except 2-0-0 oc purlins (5-8-3 max.); 3-5. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2126/0-5-8 (min. 0-1-11), 7=2243/0-5-8 (min. 0-1-13)
 Max Horz 1=-49(LC 8)
 Max Uplift 1=-446(LC 7), 7=-513(LC 8)
 Max Grav 1=2155(LC 2), 7=2291(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-3674/762, 2-3=-3570/776, 3-13=-3904/878, 13-14=-3906/879, 4-14=-3911/880, 4-15=-3911/880,
 15-16=-3906/879, 5-16=-3904/878, 5-6=-3563/769, 6-7=-3668/757
 BOT CHORD 1-12=-618/3077, 12-17=-617/3051, 17-18=-617/3051, 11-19=-576/3041, 19-20=-576/3041,
 10-20=-576/3041, 9-10=-576/3041, 7-9=-577/3066
 WEBS 3-12=-36/618, 3-11=-281/1187, 4-11=-1051/424, 5-11=-284/1196, 5-9=-35/616

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05: 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - Plates checked for a plus or minus 5 degree rotation about its center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=446, 7=513.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 157 lb down and 97 lb up at 5-11-4, 157 lb down and 97 lb up at 8-0-0, 157 lb down and 97 lb up at 10-0-0, 157 lb down and 97 lb up at 11-0-0, and 157 lb down and 97 lb up at 13-0-0, and 157 lb down and 97 lb up at 15-0-12 on top chord, and 502 lb down and 119 lb up at 5-11-4, 68 lb down at 8-0-0, 68 lb down at 10-0-0, 68 lb down at 11-0-0, and 68 lb down at 13-0-0, and 502 lb down and 119 lb up at 15-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-80, 3-5=-80, 5-8=-80, 1-7=-20
 Concentrated Loads (lb)
 Vert: 3=-157(B) 5=-157(B) 12=-502(B) 9=-502(B) 13=-157(B) 14=-157(B) 15=-157(B) 16=-157(B) 17=-53(B) 18=-53(B) 19=-53(B) 20=-53(B)

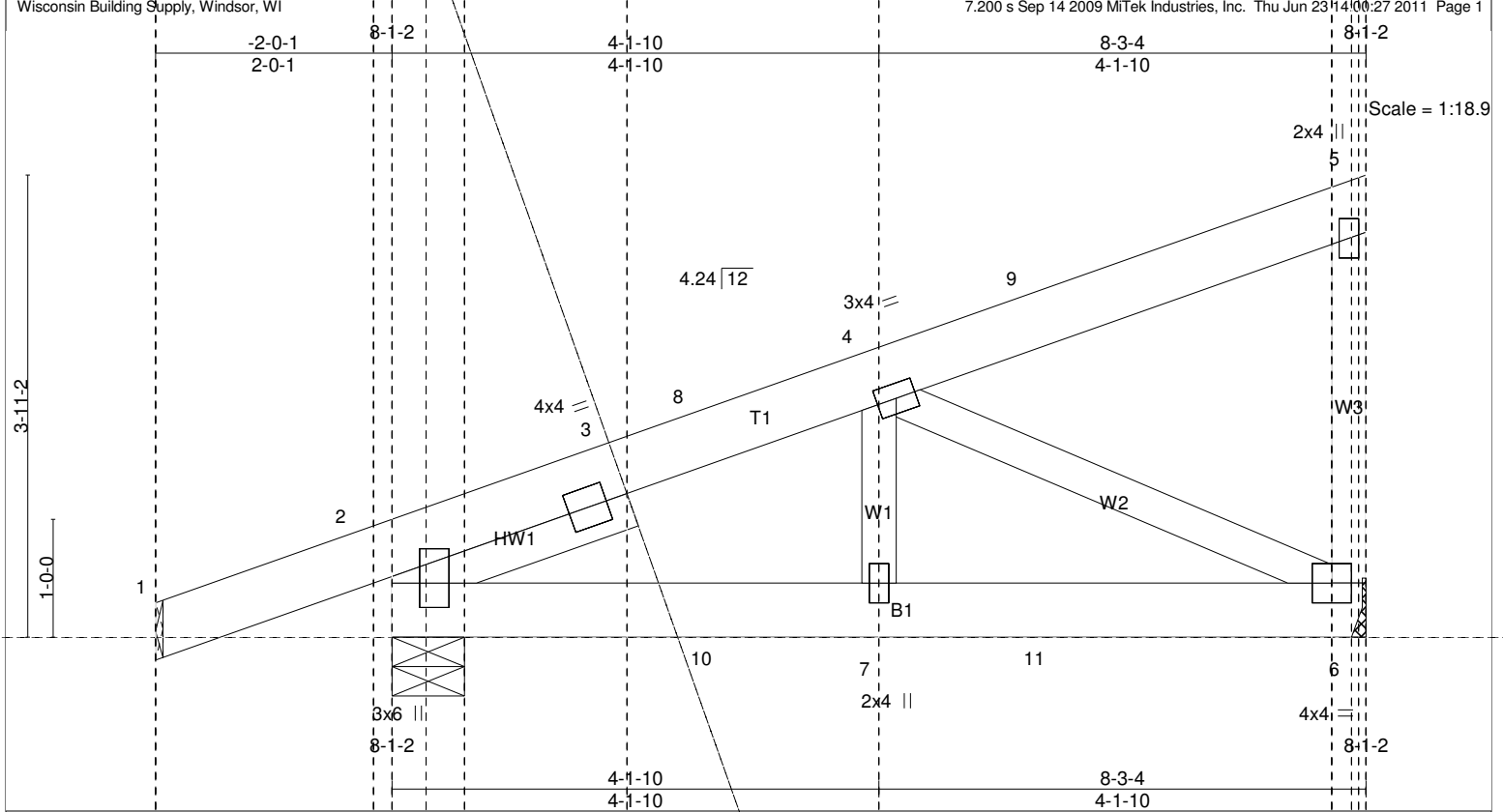


Plate Offsets (X,Y): [2:0-3-3,0-2-13]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0 Plates Increase 1.15	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.16	Vert(LL) -0.01 7 >999 240		
BCLL 0.0	Rep Stress Incr NO	WB 0.21	Vert(TL) -0.02 6-7 >999 180		
BCDL 10.0	Code WISC/TP12002	(Matrix)	Horz(TL) 0.00 6 n/a n/a		
				Weight: 47 lb	

LUMBER
 TOP CHORD 2 X 6 SPF No.2
 BOT CHORD 2 X 6 SPF No.2
 WEBS 2 X 4 SPF Stud
 SLIDER Left 2 X 4 SPF Stud 2-1-10

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 (lb/size) 6=458/Mechanical, 2=556/0-7-6 (min. 0-1-8)
 Max Horz 2=160(LC 6)
 Max Uplift 6=119(LC 6), 2=192(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=561/120, 3-8=479/121, 4-8=490/121
 BOT CHORD 2-10=-175/433, 7-10=-175/433, 7-11=-175/433, 6-11=-175/433
 WEBS 4-6=484/163

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=119, 2=192.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 48 lb up at 2-8-7, 4 lb down and 48 lb up at 2-8-7, and 94 lb down and 60 lb up at 5-6-6, and 94 lb down and 60 lb up at 5-6-6 on top chord, and 15 lb up at 2-8-7, 15 lb up at 2-8-7, and 29 lb down at 5-6-6, and 29 lb down at 5-6-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-5=-80, 2-6=-20
 Concentrated Loads (lb)
 Vert: 8=96(F=48, B=48) 9=-128(F=-64, B=-64) 10=30(F=15, B=15) 11=-39(F=-19, B=-19)

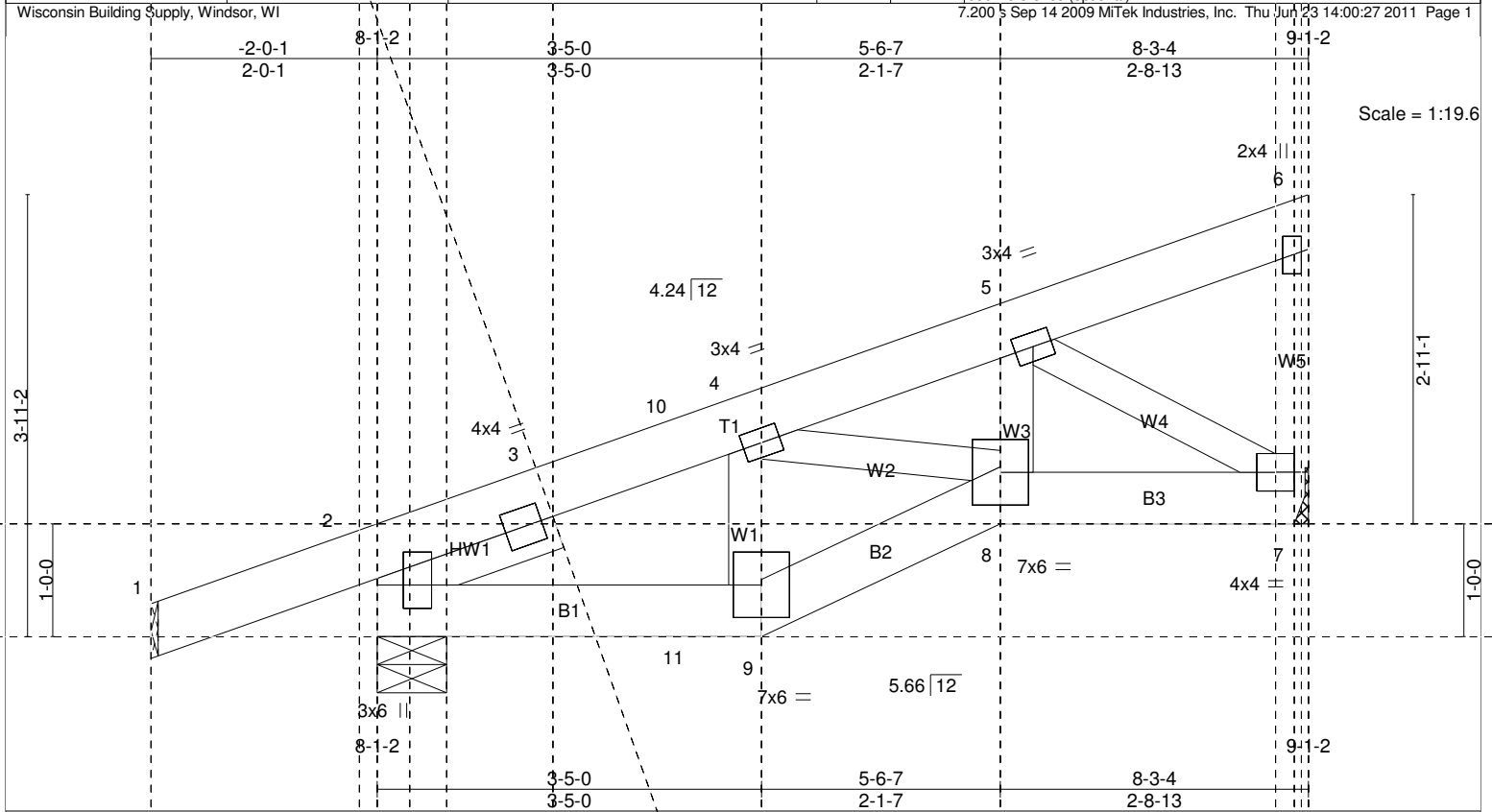


Plate Offsets (X,Y): [2:0-3:3,0-2:13]	
LOADING (psf)	SPACING 2-0-0
TCLL 30.0	Plates Increase 1:15
(Roof Snow=30.0)	Lumber Increase 1:15
TCDL 10.0	Rep Stress Incr NO
BCLL 0.0	Code WISC/TPI2002
BCDL 10.0	
CSI	DEFL
TC 0.20	in (loc) l/defl L/d
BC 0.12	Vert(LL) -0.01 8 >999 240
WB 0.17	Vert(TL) -0.02 8 >999 180
(Matrix)	Horz(TL) 0.01 7 n/a n/a
	PLATES GRIP
	MT20 197/144
	Weight: 48 lb

LUMBER
 TOP CHORD 2 X 6 SPF No.2
 BOT CHORD 2 X 6 SPF No.2
 WEBS 2 X 4 SPF Stud
 SLIDER Left 2 X 4 SPF Stud 1-8-1

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 (lb/size) 7=459/Mechanical, 2=555/0-7-6 (min. 0-1-8)
 Max Horz 2=143(LC 6)
 Max Uplift 7=140(LC 7), 2=199(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=512/136, 3-10=429/140, 4-10=424/133, 4-5=628/195
 BOT CHORD 2-11=-181/367, 9-11=-181/367, 8-9=-196/400, 7-8=-214/552
 WEBS 5-8=99/262, 5-7=652/238

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=140, 2=199.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 48 lb up at 2-8-7, 4 lb down and 48 lb up at 2-8-7, and 59 lb down and 36 lb up at 5-6-6, and 59 lb down and 36 lb up at 5-6-6 on top chord, and 15 lb up at 2-8-7, 15 lb up at 2-8-7, and 54 lb down and 30 lb up at 5-6-7, and 54 lb down and 30 lb up at 5-6-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-6=-80, 2-9=-20, 8-9=-20, 7-8=-20
 Concentrated Loads (lb)
 Vert: 8=-109(F=-54, B=-54) 5=-58(F=-29, B=-29) 10=96(F=48, B=48) 11=30(F=15, B=15)

Job R10478	Truss HJ3	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	Job Reference (optional) 7.200 s Sep 14 2009 MiTek Industries, Inc. Thu Jun 23 14:00:28 2011 Page 1
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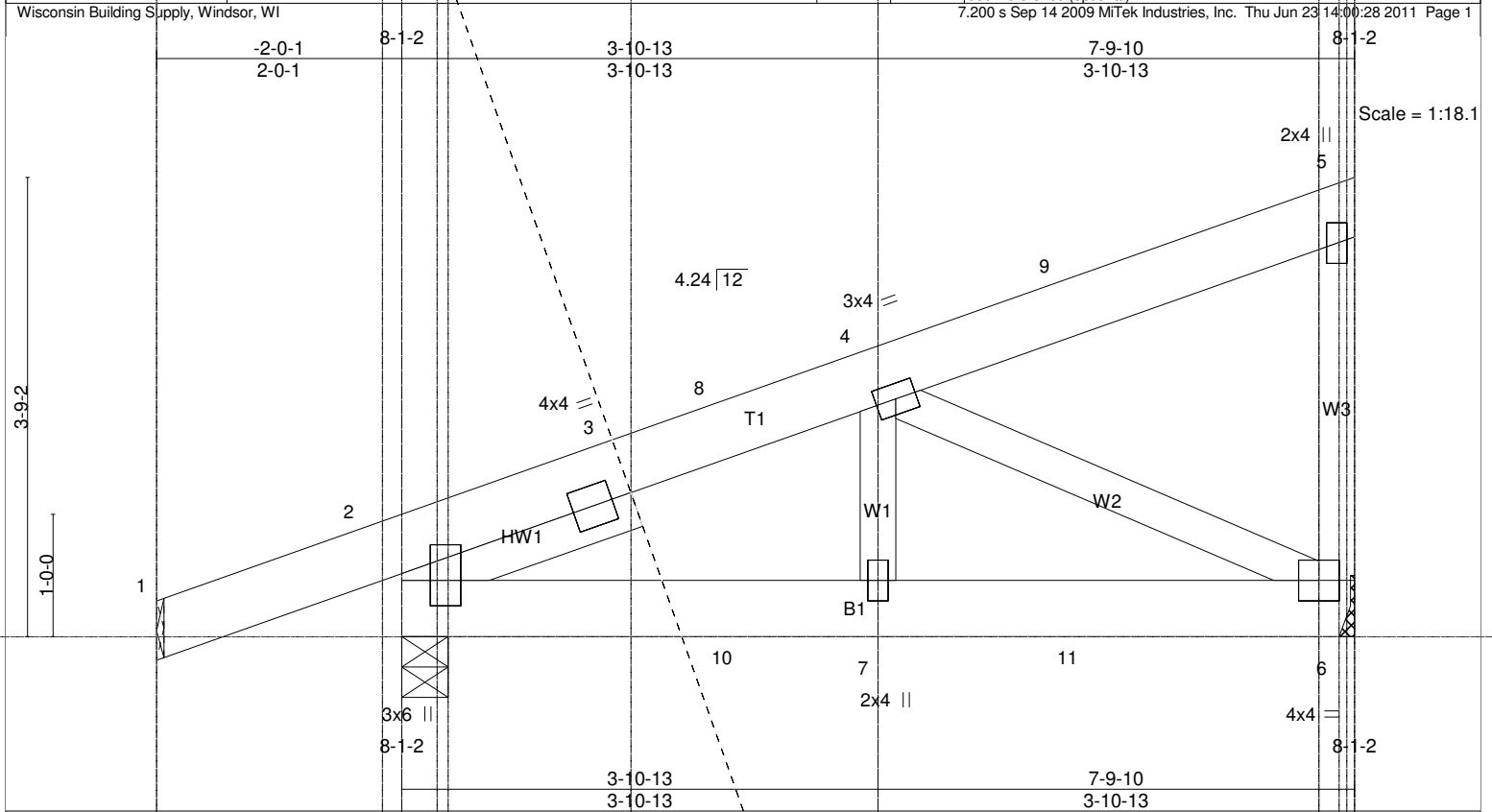


Plate Offsets (X,Y): [2:0-3-3,0-2-13]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	Plates Increase	1.15	TC 0.28	Vert(LL)	-0.01	7	>999	240	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.15	Vert(TL)	-0.02	6-7	>999	180		
BCLL 0.0	Rep Stress Incr	NO	WB 0.16	Horz(TL)	0.00	6	n/a	n/a		
BCDL 10.0	Code	WISC/TP12002	(Matrix)						Weight: 44 lb	

LUMBER
TOP CHORD 2 X 6 SPF No.2
BOT CHORD 2 X 6 SPF No.2
WEBS 2 X 4 SPF Stud
SLIDER Left 2 X 4 SPF Stud 2-0-2

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.

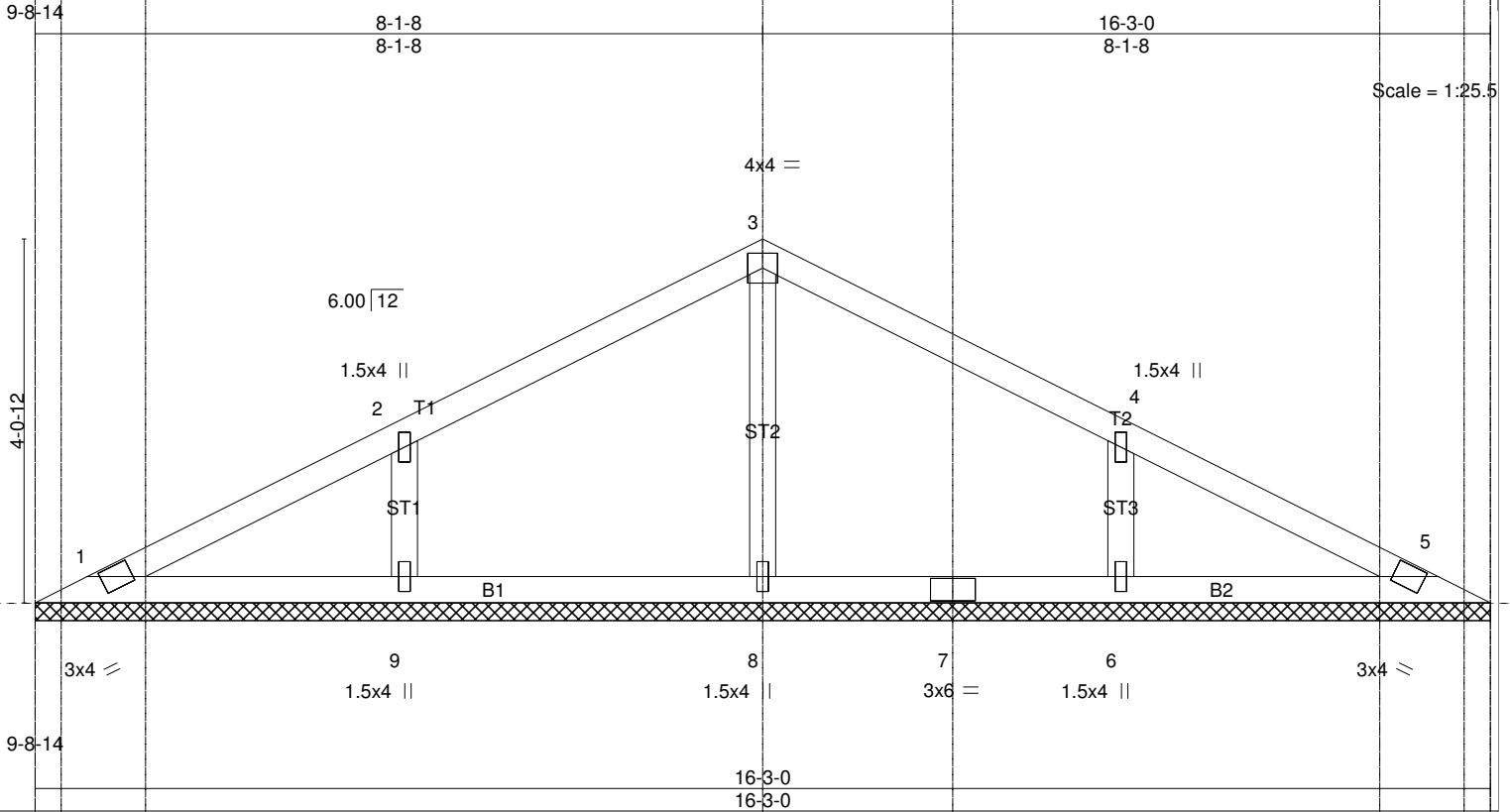
REACTIONS (lb/size) 6=438/Mechanical, 2=529/0-4-9 (min. 0-1-8)
Max Horz 2=152(LC 6)
Max Uplift 6=120(LC 6), 2=186(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=501/112, 3-8=421/113, 4-8=429/111
BOT CHORD 2-10=-163/377, 7-10=-163/377, 7-11=-163/377, 6-11=-163/377
WEBS 4-6=423/152

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=120, 2=186.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 48 lb up at 2-8-7, 4 lb down and 48 lb up at 2-8-7, and 94 lb down and 60 lb up at 5-6-6, and 94 lb down and 60 lb up at 5-6-6 on top chord, and 15 lb up at 2-8-7, 15 lb up at 2-8-7, and 29 lb down at 5-6-6, and 29 lb down at 5-6-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-80, 2-6=-20
Concentrated Loads (lb)
Vert: 8=96(F=48, B=48) 9=-128(F=-64, B=-64) 10=30(F=15, B=15) 11=-39(F=-19, B=-19)



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	Plates Increase 1.15	TC 0.38	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.13	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.10	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code WISC/TPI2002	(Matrix)	Horz(TL) 0.00 5 n/a n/a		Weight: 45 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2 X 4 SPF Stud	

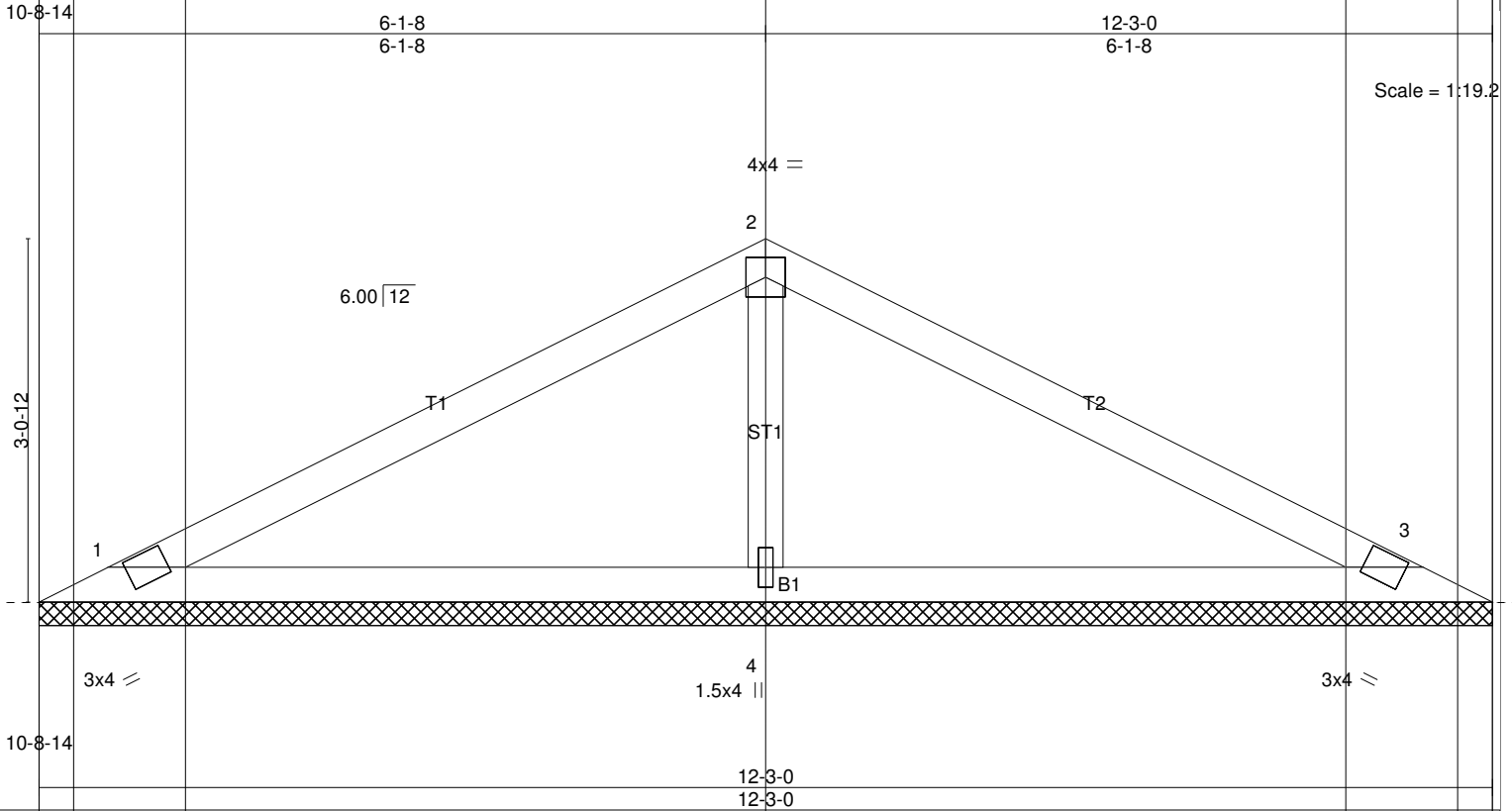
REACTIONS All bearings 16-3-0.
 (lb) - Max Horz 1=-49(LC 5)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-138(LC 7), 6=-138(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=300(LC 1), 9=531(LC 2), 6=531(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-447/188, 4-6=-447/188

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 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) 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=138, 6=138.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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



Scale = 1:19.2

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	Plates Increase 1.15	TC 0.81	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber Increase 1.15	BC 0.33	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.10	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code WISC/TPI2002	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
				Weight: 31 lb	

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2
OTHERS 2 X 4 SPF Stud

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=285/12-3-0 (min. 0-1-12), 3=285/12-3-0 (min. 0-1-12), 4=530/12-3-0 (min. 0-1-12)
Max Horz 1=-36(LC 5)
Max Uplift 1=-65(LC 7), 3=-72(LC 8), 4=-20(LC 7)
Max Grav 1=320(LC 2), 3=320(LC 3), 4=530(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-393/103

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

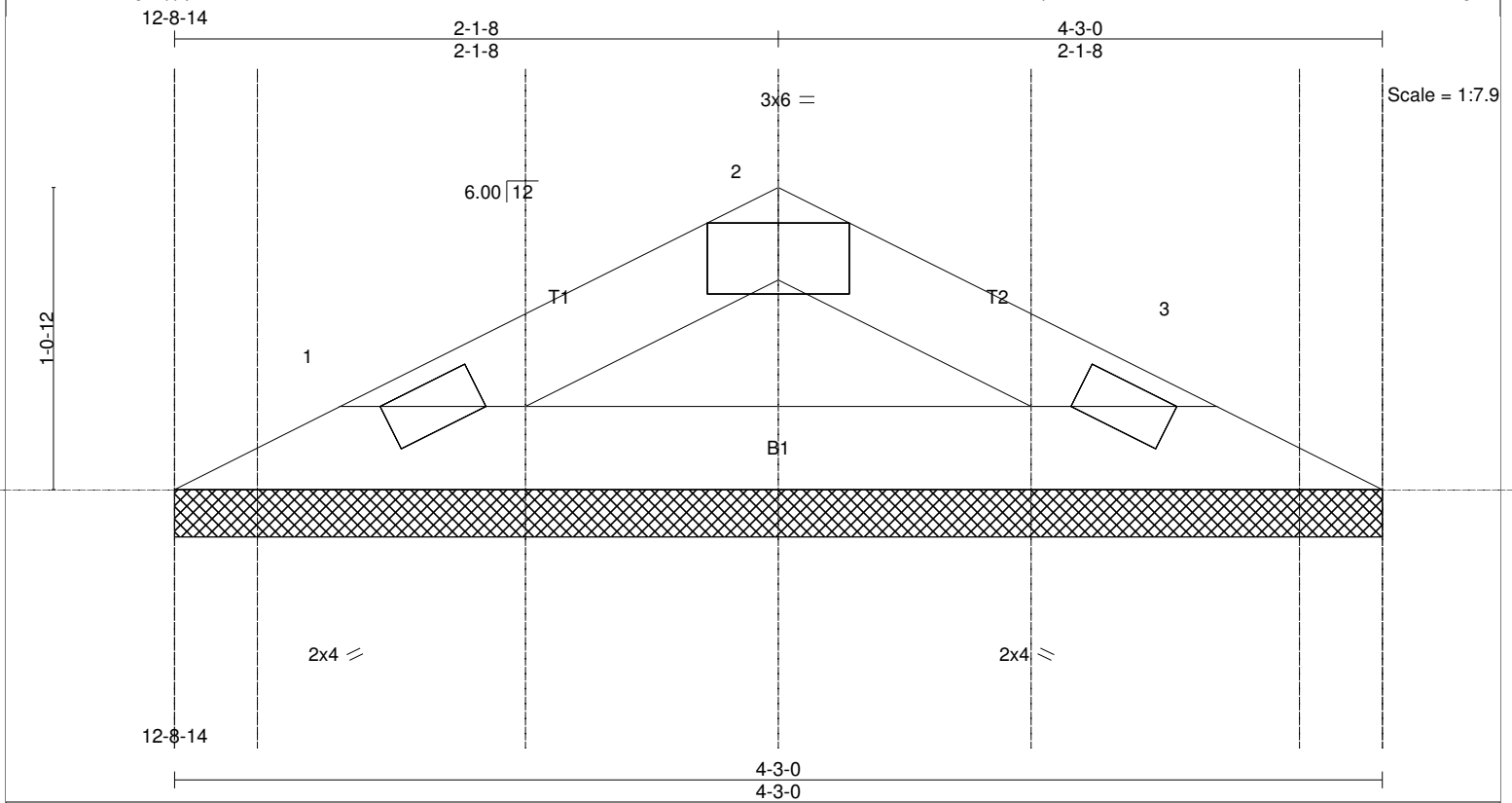


Plate Offsets (X,Y): [2'-0-3-0,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 30.0 (Roof Snow=30.0)	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plates Increase 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
BCLL 0.0	Lumber Increase 1.15	WB 0.00	Vert(TL) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code WISC/TPI2002				Weight: 9 lb

LUMBER
TOP CHORD 2 X 4 SPF No.2
BOT CHORD 2 X 4 SPF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-0 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=151/4-3-0 (min. 0-1-8), 3=151/4-3-0 (min. 0-1-8)
Max Horz 1=10(LC 6)
Max Uplift 1=-21(LC 7), 3=-21(LC 8)

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

- NOTES**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
 - 2) Unbalanced snow loads have been considered for this design.
 - 3) Plates checked for a plus or minus 5 degree rotation about its center.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard