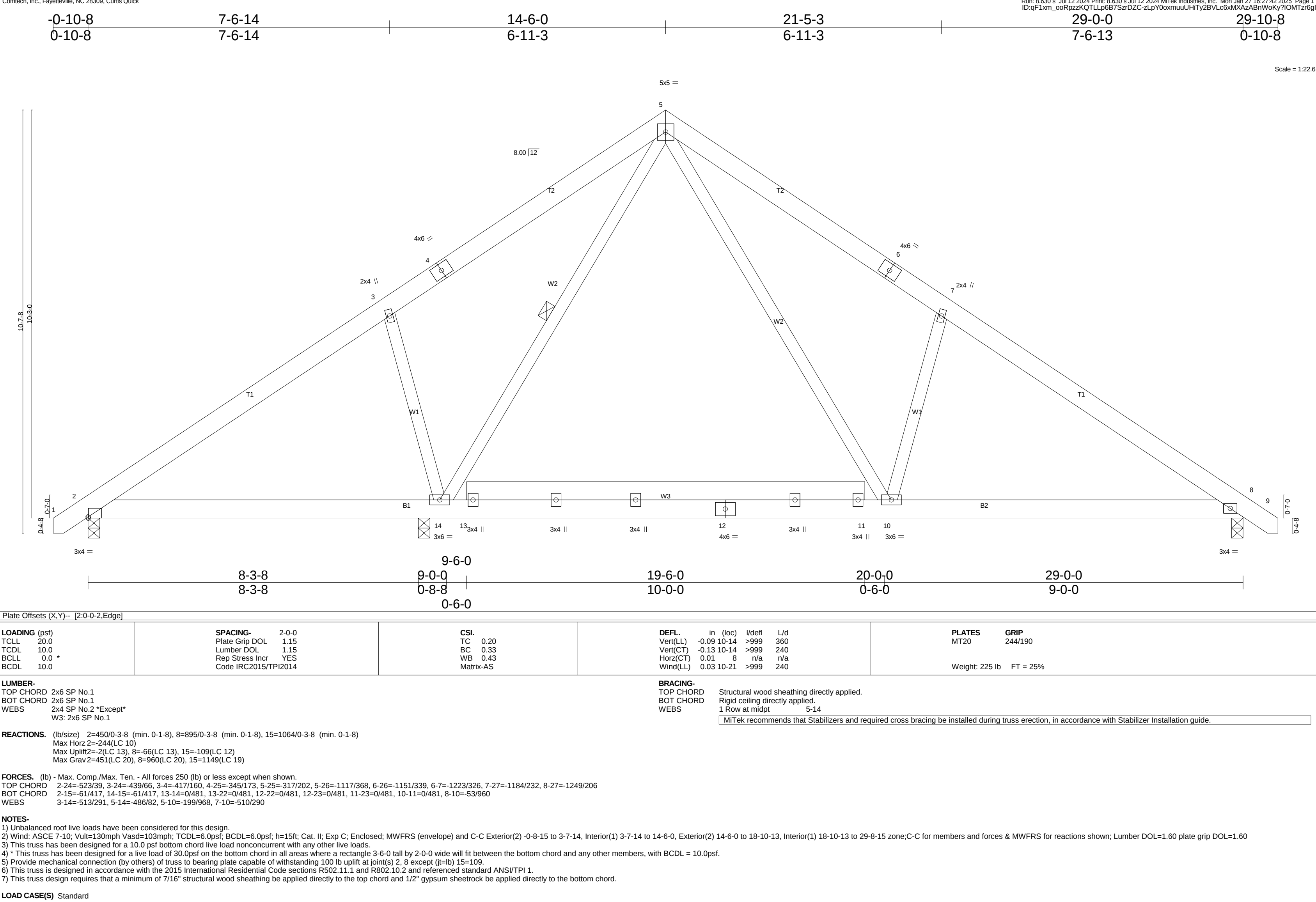
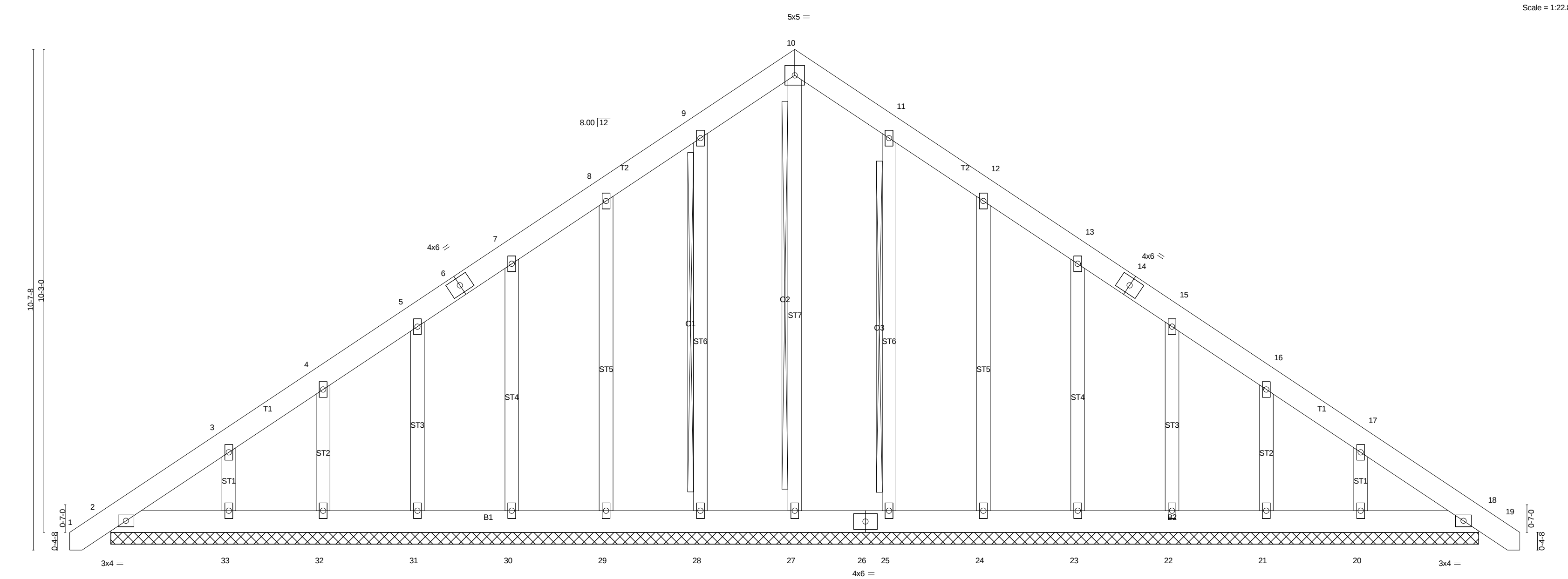




0-10-8	14-6-0	29-0-0	29-10-8
0-10-8	14-6-0	14-6-0	0-10-8



29-0-0	29-0-0
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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSL TC 0.04 BC 0.03 WB 0.13 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) 0.00 18 n/r 120 Vert(CT) 0.00 18 n/r 120 Horz(CT) 0.01 18 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 252 lb FT = 25%
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LUMBER- TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 OTHERS 2x4 SP 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. WEBS T-Brace: 2x4 SPF No.2 - 10-27, 9-28, 11-25 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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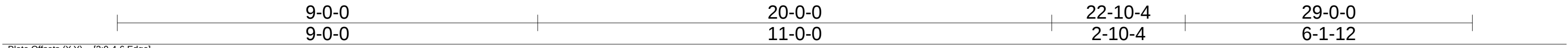
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 29-0-0.
(lb) - Max Horz 2=-305(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 28, 29, 30, 31, 32, 25, 23, 22, 21 except 33=-116(LC 12), 24=-101(LC 13), 20=-114(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 18, 27, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-299/227, 9-10=-231/259, 10-11=-231/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-8-15 to 3-7-14, Exterior(2) 3-7-14 to 14-6-0, Corner(3) 14-6-0 to 18-10-13, Exterior(2) 18-10-13 to 29-8-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
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) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 28, 29, 30, 31, 32, 25, 23, 22, 21 except (it=lb) 33=116, 24=101, 20=-114.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.26	Vert(LL)	-0.22 11-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.51	Vert(CT)	-0.30 11-13	>908	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.01 10	n/a	n/a		
BCDL 10.0	Code IRC2015/TP12014		Matrix-AS	Wind(LL)	0.03 13-16	>999	240	Weight: 209 lb	FT = 25%

LOWES		BRACING	
TOP CHORD	2x6 SP No.1	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 5-11

REACTIONS. (lb/size) 2=885/0-3-8 (min. 0-1-8), 10=1524/0-3-8 (min. 0-1-13)
 Max Horz 2=-244(LC 10)
 Max Uplift2=-68(LC 12), 10=-91(LC 13)
 Max Grav 2=954(LC 19), 10=1524(LC 1)

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

TOP CHORD	2-22=1286/150, 3-22=1202/177, 3-4=1239/272, 4-23=1167/285, 5-23=1133/314, 5-24=462/149, 6-24=476/119, 6-7=519/107, 7-25=363/589, 8-25=378/452
BOT CHORD	2-13=90/1154, 13-20=0/555, 12-20=0/555, 12-21=0/555, 11-21=0/555, 10-11=53/316, 8-10=406/432
WEBS	3-13=508/295, 5-13=199/967, 5-11=475/230, 7-11=0/804, 7-10=1606/428

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCFL=6.0psf; BCFL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 14-6-0, Exterior(2) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 29-8-15 zone; cantilever right overhauled ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCFL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

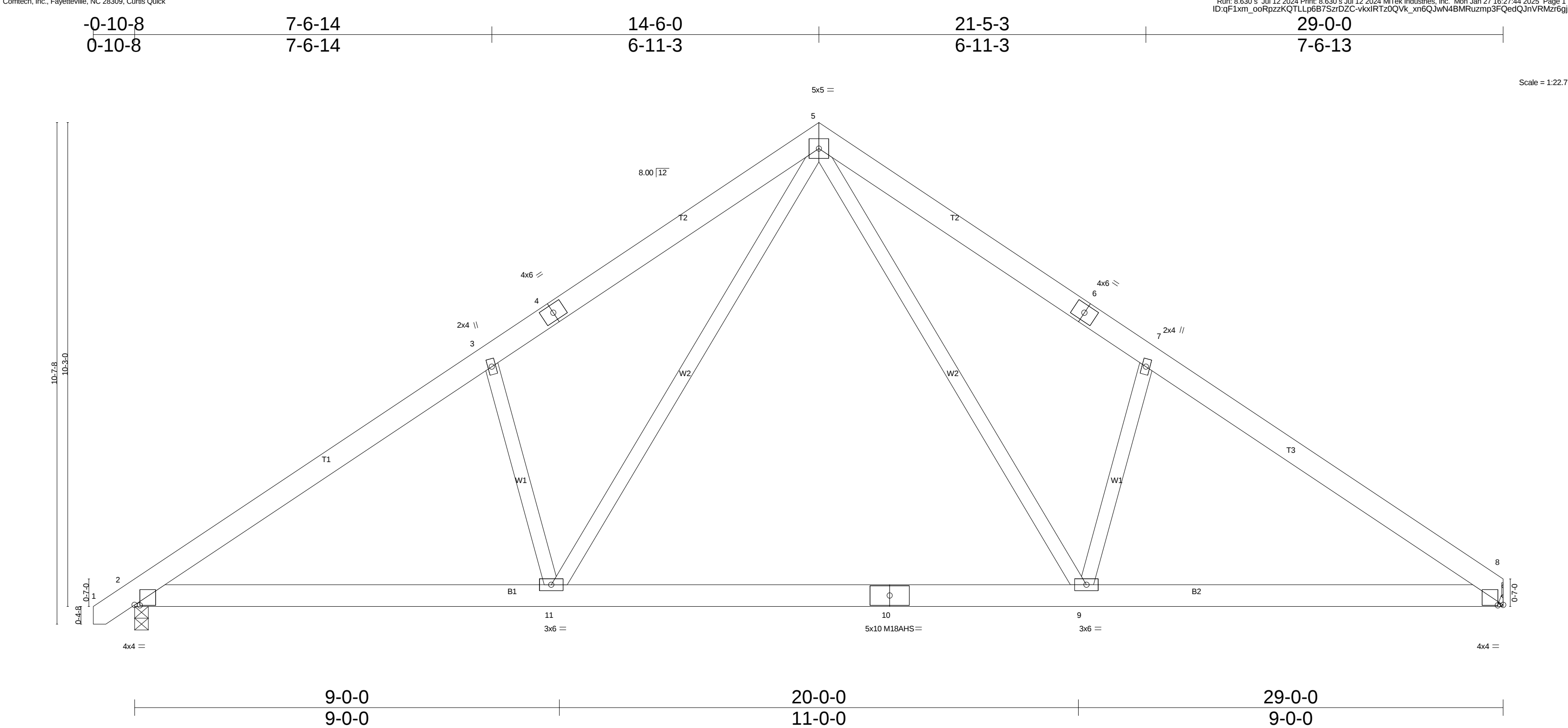


Plate Offsets (X,Y)-- [2:0-1-6,0-0-2], [8:0-1-5,0-0-2]									
LOADING (psf)		SPACING-		CSI		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.18	in (loc)	l/defl	MT20	GRIP
TCDL	10.0	Lumber DOL	1.15	BC	0.56	-0.27 9-11	>999	M18AHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	-0.36 9-11	>954		186/179
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		0.03 8	n/a	Weight: 199 lb FT = 25%	
						Wind(LL)	0.04 11-14		
							>999		

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.2

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

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

REACTIONS.

(lb/size)

2=1205/0-3-8 (min. 0-1-8), 8=1159/Mechanical

Max Horz 2=240(LC 9)

Max Uplift2=72(LC 12), 8=-61(LC 13)

Max Grav 2=1267(LC 19), 8=1225(LC 20)

FORCES.

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

TOP CHORD 2-20=-1844/317, 3-20=-1758/343, 3-4=-1792/438, 4-21=-1720/450, 5-21=-1690/480, 5-22=-1693/489, 6-22=-1723/460, 6-7=-1795/447, 7-23=-1742/351, 8-23=-1847/325

BOT CHORD 2-11=-166/1609, 11-18=0/1017, 10-18=0/1017, 10-19=0/1017, 9-19=0/1017, 8-9=-165/1447

WEBS 3-11=-499/291, 5-11=-187/960, 5-9=-189/964, 7-9=-498/291

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 14-6-0, Exterior(2) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 29-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) All plates are MT20 plates unless otherwise indicated.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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) 2, 8.

8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Scale = 1:23.1

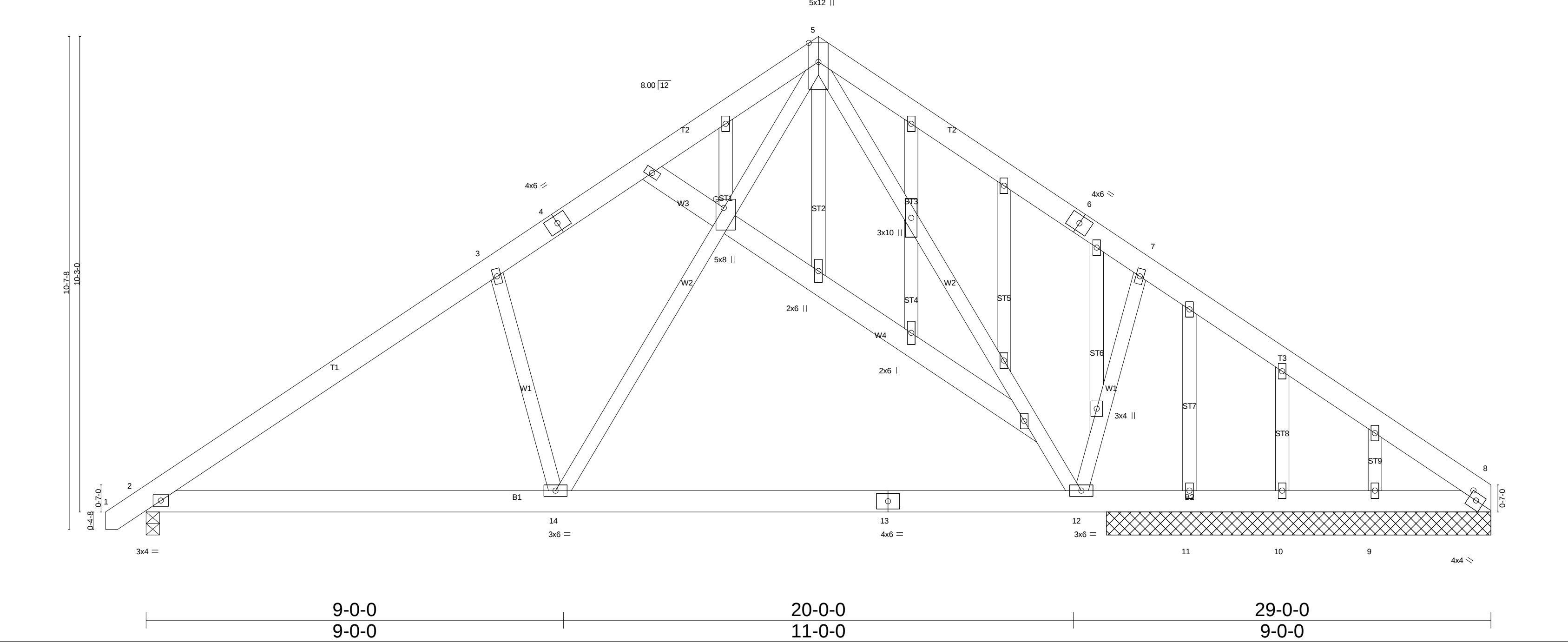


Plate Offsets (X,Y)--		[8'-0-2-0,0-1-13], [16'-0-2-4,0-2-0]	
LOADING (psf)		SPACING-	
TCLL	20.0	2-0-0	
TCDL	10.0	Plate Grip DOL	
BCLL	0.0 *	1.15	
BCDL	10.0	Lumber DOL	
		1.15	
		Rep Stress Incr	
		YES	
		Code IRC2015/TPI2014	
		CSI	
		TC 0.18	
		BC 0.36	
		WB 0.66	
		Matrix-AS	
		DEFL	
		in (loc) l/defl L/d	
		Vert(LL) -0.09 12-14 >999 360	
		Vert(CT) -0.21 12-14 >999 240	
		Horz(CT) 0.03 33 n/a n/a	
		Wind(LL) 0.05 12-14 >999 240	
		PLATES	
		MT20	
		GRIP	
		244/190	
		Weight: 263 lb FT = 25%	

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
W3,W4: 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. All bearings 8-3-8 except (if=length) 2=0-3-8.
(lb) - Max Horz 2=300(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 8 except 2=-229(LC 12), 11=-154(LC 13), 10=-304(LC 1), 9=-175(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 10 except 2=1132(LC 1), 8=798(LC 1), 11=413(LC 1), 9=344(LC 20), 8=798(LC 1)

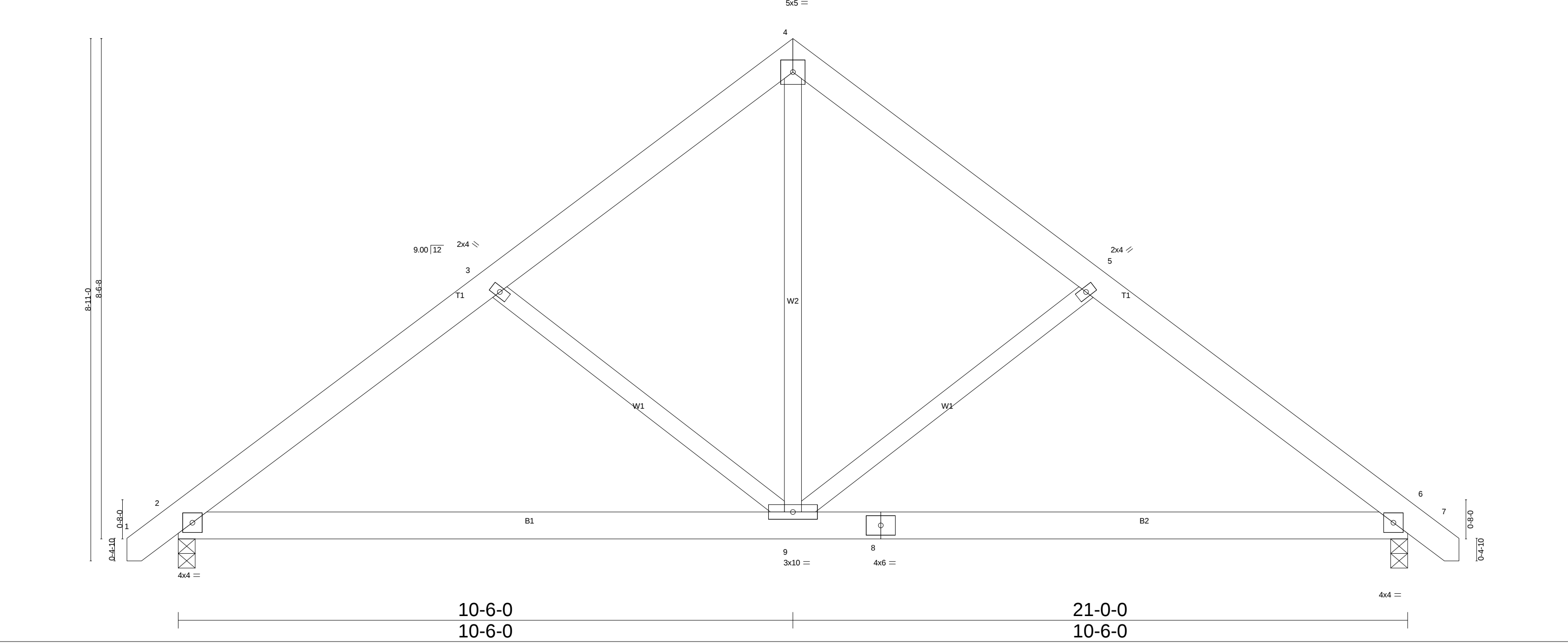
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-36=-1552/280, 3-36=-1474/306, 3-4=-1539/418, 4-37=-1510/431, 5-37=-1498/460, 5-38=-1266/377, 6-38=-1277/348, 6-7=-1305/336, 7-39=-1243/244, 8-39=-1368/220
BOT CHORD 2-14=-304/1311, 13-14=-53/780, 12-13=-53/780, 11-12=-79/1042, 10-11=-79/1042, 9-10=-79/1042, 8-9=-79/1042
WEBS 3-14=-495/383, 5-14=-305/856, 5-12=-189/482, 7-12=-451/368

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf, BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 14-6-0, Exterior(2) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 29-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 8 except (if=lb) 2=229, 11=154, 10=304, 9=175.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



Scale = 1:18.3



LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	TC	0.12	Vert(LL)	-0.05	9-15	>999	MT20	244/190
TCDL	10.0	Lumber DOL	BC	0.32	Vert(CT)	-0.10	9-15	>999		
BCLL	0.0 *	Rep Stress Incr	WB	0.27	Horz(CT)	0.01	6	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.02	9-15	>999	Weight: 146 lb	FT = 25%

LUMBER-		BRACING-	
TOP CHORD 2x6 SP No.1		TOP CHORD	
BOT CHORD 2x6 SP No.1		BOT CHORD	
WEBS 2x4 SP No.2		Structural wood sheathing directly applied.	
		Rigid ceiling directly applied.	
		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.	

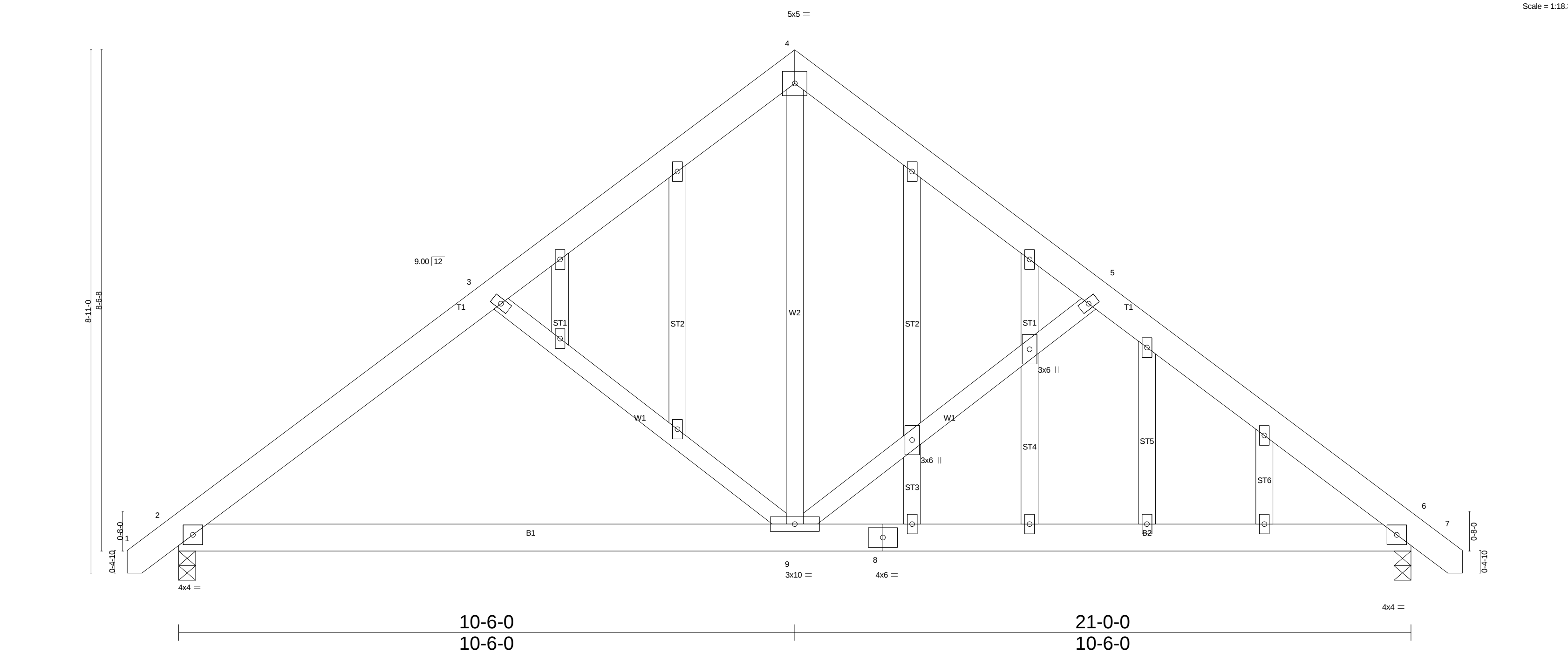
REACTIONS.	
(lb/size) 6=885/0-3-8 (min. 0-1-8), 2=885/0-3-8 (min. 0-1-8)	
Max Horz 2=202(LC 10)	
Max Uplift 6=51(LC 13), 2=51(LC 12)	

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-16=-1059/254, 3-16=-963/272, 3-17=-846/225, 4-17=-813/259, 4-18=-813/259, 5-18=-846/225, 5-19=-963/272, 6-19=-1059/254	
BOT CHORD 2-9=-89/857, 8-9=-98/810, 6-8=-98/810	
WEBS 4-9=-133/700, 5-9=-374/212, 3-9=-374/212	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf, BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-0 to 3-7-13, Interior(1) 3-7-13 to 10-6-0, Exterior(2) 10-6-0 to 14-10-13, Interior(1) 14-10-13 to 21-9-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

-0-10-8	5-5-15	10-6-0	15-6-1	21-0-0	21-10-8
0-10-8	5-5-15	5-0-1	5-0-1	5-5-15	0-10-8



LOADING (psf)		SPACING- 2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC 0.12	Vert(LL)	-0.05 9-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC 0.32	Vert(CT)	-0.10 9-29	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB 0.27	Horz(CT)	0.01 6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.02 9-29	>999	240	Weight: 178 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	
OTHERS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=885/0-3-8 (min. 0-1-8), 2=885/0-3-8 (min. 0-1-8)
Max Horz 2=-253(LC 10)
Max Uplift6=-177(LC 13), 2=-177(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-1059/254, 3-30=-963/272, 3-31=-846/225, 4-31=-813/259, 4-32=-813/259, 5-32=-846/225, 5-33=-963/272, 6-33=-1059/254
BOT CHORD 2-9=-223/886, 8-9=-98/810, 6-8=-98/810
WEBS 4-9=-133/700, 5-9=-374/273, 3-9=-374/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-9-0 to 3-7-13, Interior(1) 3-7-13 to 10-6-0, Exterior(2) 10-6-0 to 14-10-13, Interior(1) 14-10-13 to 21-9-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (j=lb) 6=177, 2=177.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

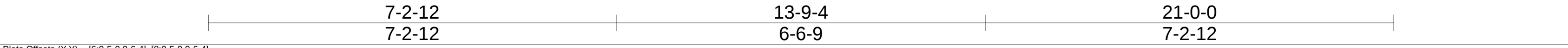
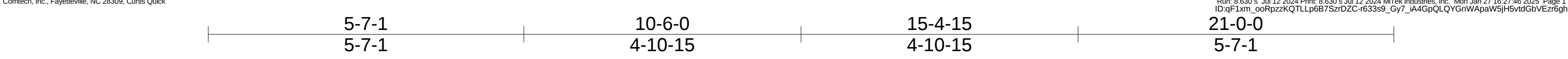


Plate Offsets (X,Y)--- [6:0-5-0,0-6-4], [8:0-5-0,0-6-4]														
LOADING (psf)		SPACING- 2-0-0			CSI.		DEFL. in (loc) l/defl L/d				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL 1.15			TC 0.35		Vert(LL) -0.08 6-14 >999 360				MT20		244/190	
TCDL	10.0	Lumber DOL 1.15			BC 0.46		Vert(CT) -0.16 6-14 >999 240							
BCLL	0.0 *	Rep Stress Incr NO			WB 0.60		Horz(CT) 0.03 5 n/a n/a							
BCDL	10.0	Code IRC2015/TPI2014			Matrix-MS		Wind(LL) 0.06 6-14 >999 240				Weight: 327 lb		FT = 25%	

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x8 SP 2400F 2.0E

WEBS 2x4 SP No.2

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 5-6-11 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size)

1=6841/0-3-8 (min. 0-2-13), 5=6234/0-3-8 (min. 0-2-9)

Max Horz 1=189(LC 24)

Max Uplift 1=427(LC 8), 5=388(LC 9)

FORCES.

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

TOP CHORD 1-2=-7976/522, 2-3=-7897/603, 3-4=-7915/604, 4-5=-7993/523

BOT CHORD 1-15=-431/6380, 15-16=-431/6380, 8-16=-431/6380, 8-17=-216/4394, 17-18=-216/4394, 7-18=-216/4394, 7-19=-216/4394, 6-19=-216/4394, 6-20=-359/6394, 20-21=-359/6394, 21-22=-359/6394, 5-22=-359/6394

WEBS 2-8=-368/181, 3-8=-384/4890, 3-6=-387/4929, 4-6=-366/181

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-8-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) 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.

3) Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-10: Vult=130mph Vasd=103mph; TC DL=6.0psf, BC DL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 1=427, 5=388.

8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1141 lb down and 81 lb up at 2-11-4, 1141 lb down and 81 lb up at 4-11-4, 1141 lb down and 81 lb up at 6-11-4, 1139 lb down and 81 lb up at 8-11-4, 1139 lb down and 81 lb up at 10-11-4, 1139 lb down and 81 lb up at 12-11-4, 1141 lb down and 81 lb up at 14-11-4, and 1141 lb down and 81 lb up at 16-11-4, and 1141 lb down and 81 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S)

Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 9-12=-20, 1-3=-60, 3-5=-60

Concentrated Loads (lb)

Vert: 8=-1139(B) 11=-1140(B) 15=-1139(B) 16=-1139(B) 17=-1139(B) 18=-1139(B) 19=-1139(B) 20=-1139(B) 21=-1139(B) 22=-1139(B)

0-10-8

0-10-8

5-6-13

5-6-13

10-6-0

4-11-3

15-5-3

4-11-3

21-0-0

5-6-14

21-10-8

0-10-8

5x5 =

4

8.00 12

2x4 3

T1

W2

W1

B1

2

1

5x5 =

2x4 5

T1

W1

B2

6

7

5x5 =

9

3x10 =

8

4x6 =

10-6-0

10-6-0

21-0-0

10-6-0

Plate Offsets (X,Y)-- [2-0-0-1,0-0-2], [6-0-0-2,0-0-2]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI TC 0.14 BC 0.32 WB 0.25 Matrix-AS	DEFL in (loc) l/defl L/d Vert(LL) -0.05 9-12 >999 360 Vert(CT) -0.10 9-12 >999 240 Horz(CT) 0.02 6 n/a n/a Wind(LL) 0.02 9-15 >999 240	PLATES GRIP MT20 244/190 Weight: 141 lb FT = 25%
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LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.2

REACTIONS.

(lb/size) 6=885/0-3-8 (min. 0-1-8), 2=885/0-3-8 (min. 0-1-8)

Max Horz 2=-180(LC 10)

Max Uplift 6=-55(LC 13), 2=-55(LC 12)

FORCES.

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

TOP CHORD 2-16=-1144/268, 3-16=-1059/284, 3-17=-892/220, 4-17=-861/251, 4-18=-861/251, 5-18=-892/220, 5-19=-1059/285, 6-19=-1144/268

BOT CHORD 2-9=-119/951, 8-9=-129/922, 6-8=-129/922

WEBS 4-9=-107/686, 5-9=-387/203, 3-9=-388/203

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 10-6-0, Exterior(2) 10-6-0 to 14-10-13, Interior(1) 14-10-13 to 21-8-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.

6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSI/TPI 1.

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

-0-10-8

10-6-0

21-0-0

21-10-8

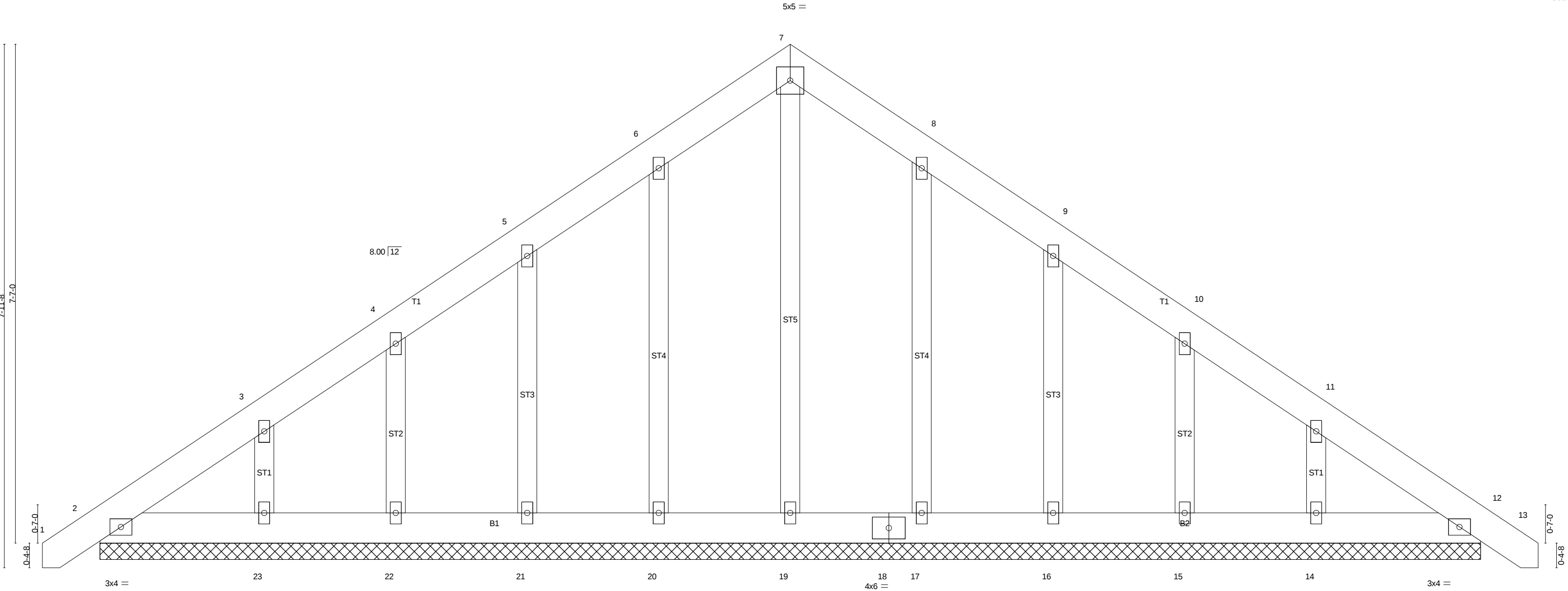
0-10-8

10-6-0

10-6-0

0-10-8

Scale = 1:17.1



21-0-0

21-0-0

LOADING (psf)	SPACING- 2-0-0			CSI.	DEFL.				PLATES	GRIP
	TCLL 20.0	Plate Grip DOL 1.15	TC 0.03		in (loc)	l/defl	L/d			
	TCDL 10.0	Lumber DOL 1.15	BC 0.02		Vert(LL) 0.00 12 n/r 120					
	BCLL 0.0 *	Rep Stress Incr YES	WB 0.10		Vert(CT) 0.00 12 n/r 120					
	BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Horz(CT) 0.00 12 n/a n/a					
							MT20	244/190		
							Weight: 163 lb	FT = 25%		

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x6 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 21-0-0.
(lb) - Max Horz 2=-225(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 22, 17, 16, 15 except 23=-113(LC 12), 14=-112(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 2, 19, 20, 21, 22, 23, 17, 16, 15, 14

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf, BCDL=6.0psf, h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-15 to 3-7-14, Interior(1) 3-7-14 to 10-6-0, Exterior(2) 10-6-0 to 14-10-13, Interior(1) 14-10-13 to 21-8-15 zone:C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 2-0-0 oc.

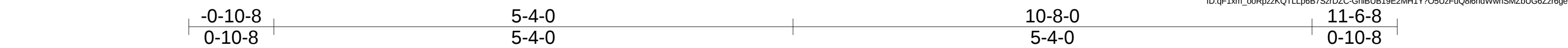
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

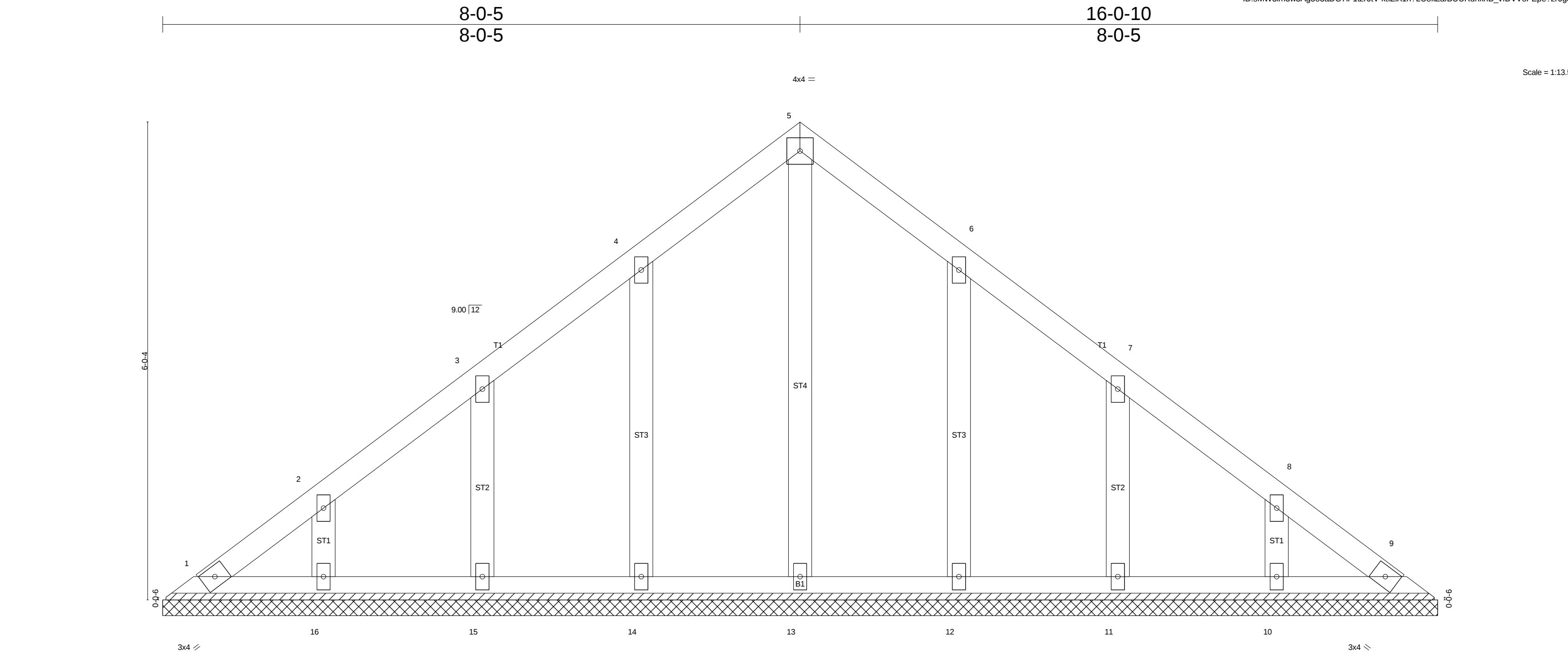
8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20, 21, 22, 17, 16, 15 except (t=lb) 23=-113, 14=-112.

10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 82 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 16-0-10.
(lb) - Max Horz 1=171(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 15, 16, 11, 10 except 14=-102(LC 12), 12=-100(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 14, 15, 16, 12, 11, 10

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf, BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 8-0-5, Exterior(2) 8-0-5 to 12-5-2, Interior(1) 12-5-2 to 15-7-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 15, 16, 11, 10 except (if=lb) 14=102, 12=100.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

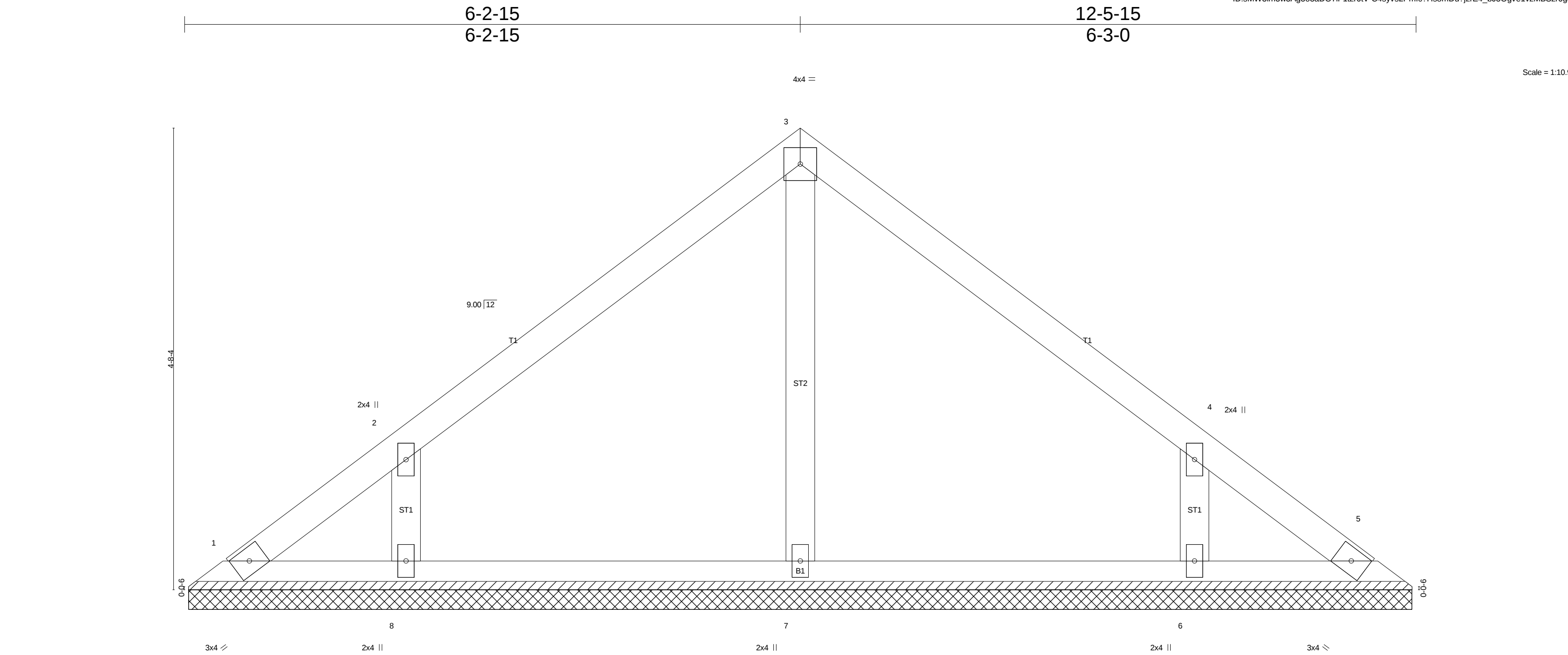


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]									
LOADING (psf)	SPACING-			CSI			DEFL		
	2-0-0			TC 0.13			in (loc) l/defl L/d		
	TCLL 20.0			BC 0.09			Vert(LL) n/a - n/a 999		
	TCDL 10.0			WB 0.06			Vert(CT) n/a - n/a 999		
	BCLL 0.0 *			Matrix-S			Horz(CT) 0.00 5 n/a n/a		
BCDL 10.0		Code IRC2015/TPI2014						PLATES	GRIP
								MT20	244/190
								Weight: 49 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD
BOT CHORD

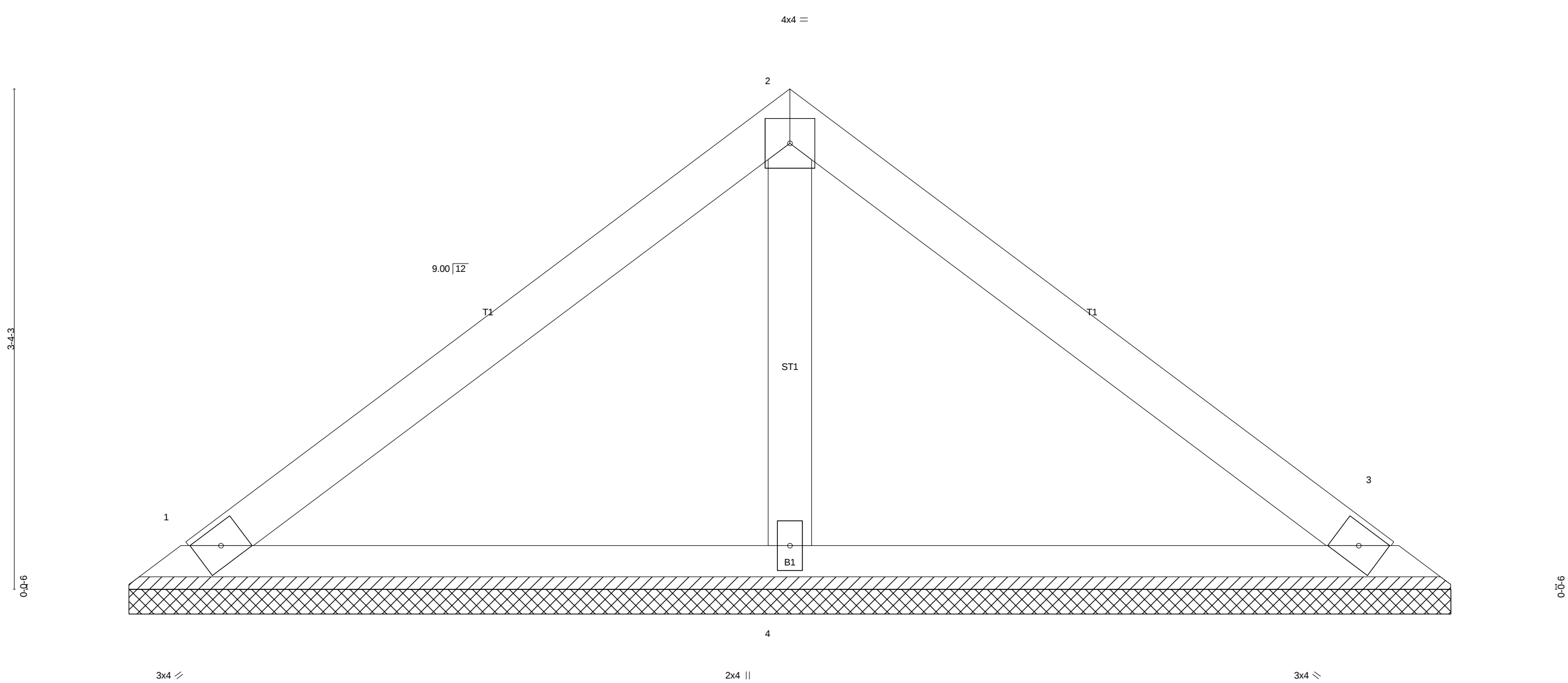
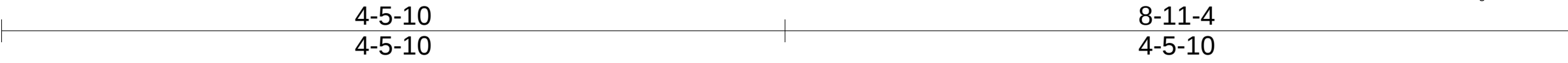
Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 12-4-15.
(lb) - Max Horz 1=-104(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-107(LC 12), 6=-107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=253(LC 1), 8=320(LC 19), 6=320(LC 20)

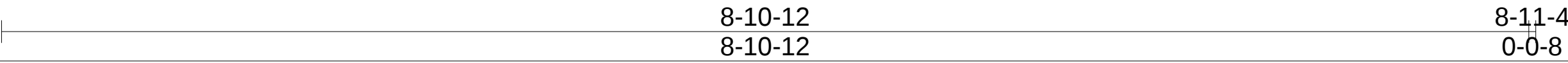
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-294/219, 4-6=-294/219

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf, BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 6-2-15, Exterior(2) 6-2-15 to 10-7-12, Interior(1) 10-7-12 to 12-0-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (I=lb) 8=107, 6=107.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Scale = 1:8.6



LOADING (psf)	SPACING-	2-0-0	CSI	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.12	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 32 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=181/8-10-4 (min. 0-1-8), 3=181/8-10-4 (min. 0-1-8), 4=283/8-10-4 (min. 0-1-8)
Max Horz 1=-72(LC 8)
Max Uplift 1=-28(LC 12), 3=-35(LC 13)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

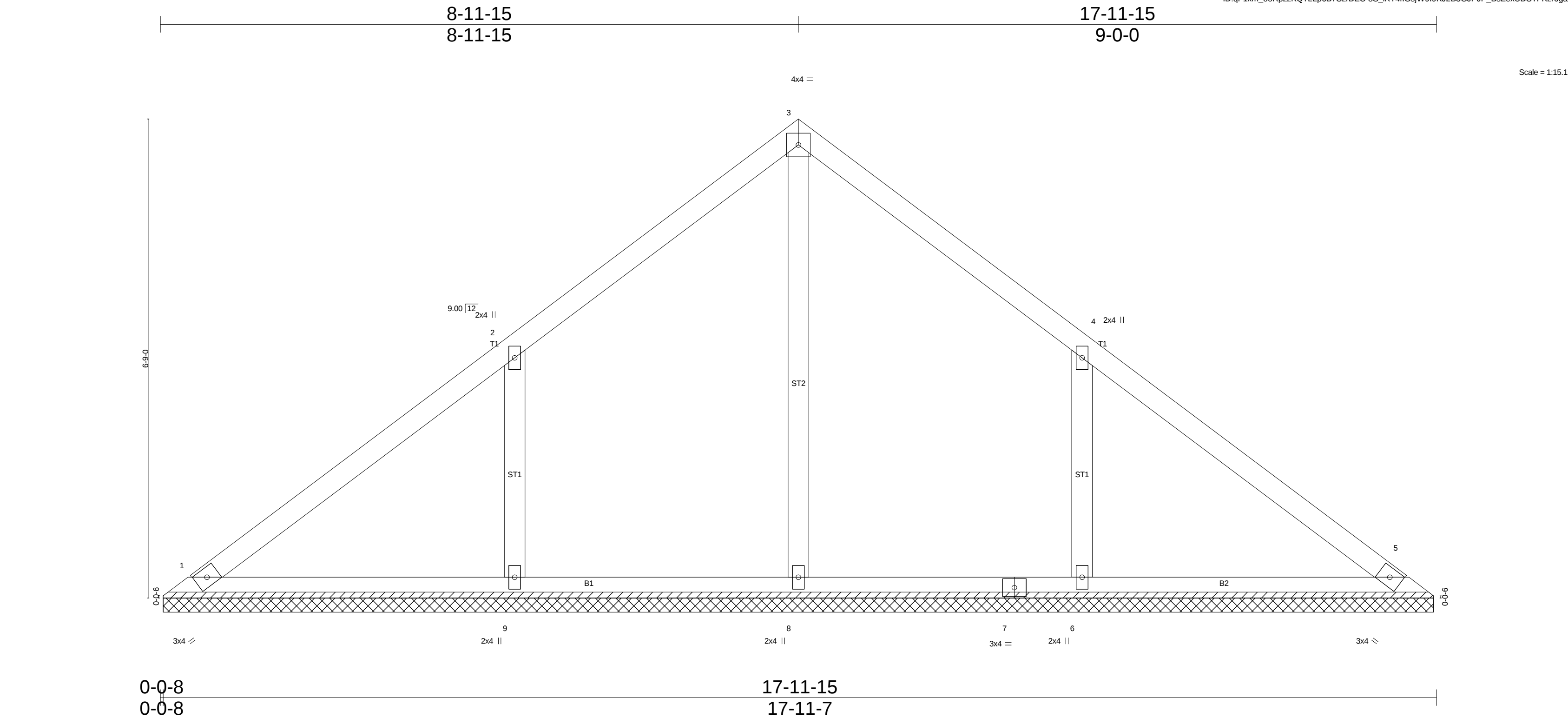


Plate Offsets (X,Y)-- (4:0-0-0,0-0-0)									
LOADING (psf)		SPACING-		CSI		DEFL.		PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	in (loc)	l/defl	L/d	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(LL)	n/a	-	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Vert(CT)	n/a	-	
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Horz(CT)	0.00	5	Weight: 77 lb FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 17-10-15.
(lb) - Max Horz 1=-154(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-143(LC 12), 6=-143(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=412(LC 22), 9=509(LC 19), 6=509(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-387/255, 4-6=-387/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10: Vult=130mph Vasd=103mph; TC DL=6.0psf, BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-11-15, Interior(1) 4-11-15 to 8-11-15, Exterior(2) 8-11-15 to 13-4-12, Interior(1) 13-4-12 to 17-6-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (If=lb) 9=-143, 6=-143.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

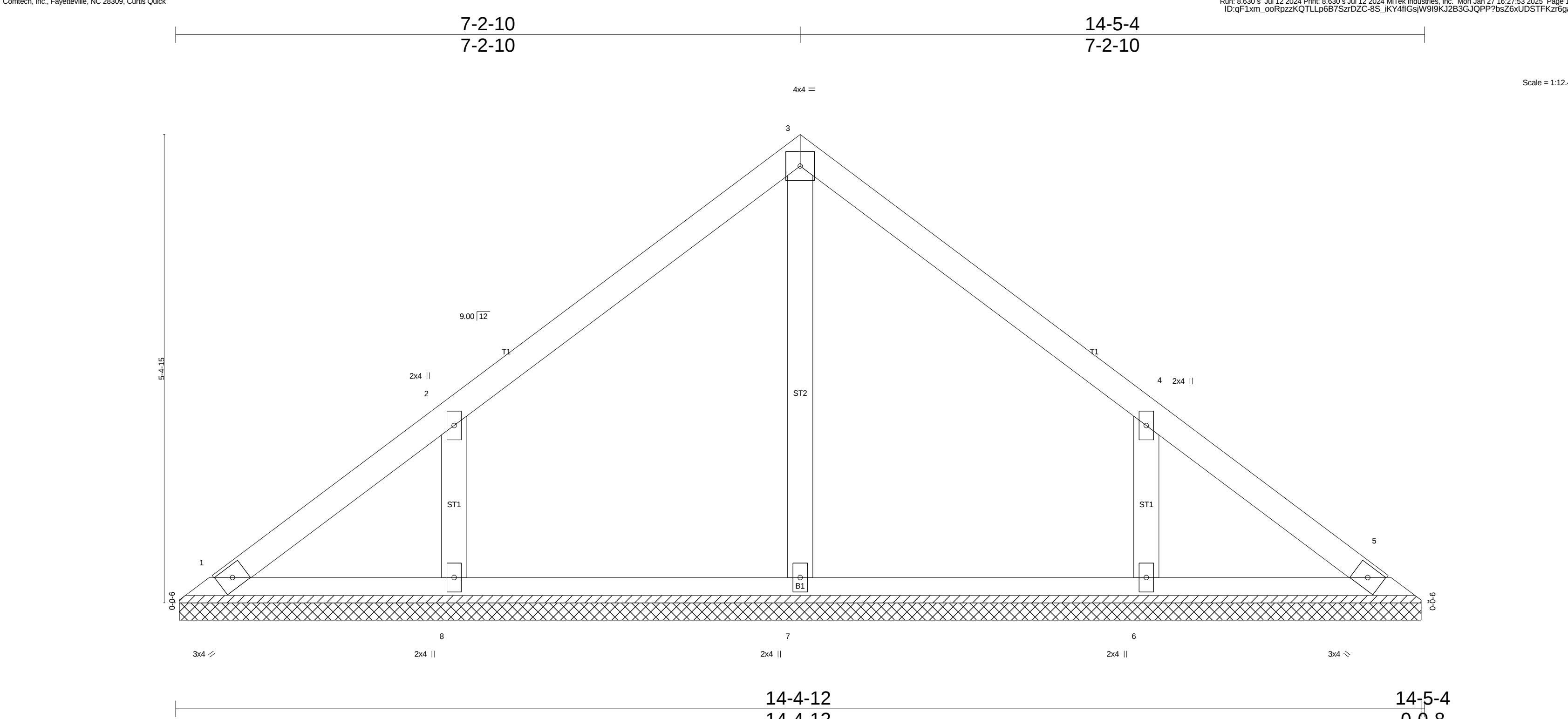


Plate Offsets (X,Y)-- (4:0-0-0,0-0-0)									
LOADING (psf)		SPACING-		CSL		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	in (loc)	l/defl	MT20	GRIP
TCDL	10.0	Lumber DOL	1.15	BC	0.09	n/a	n/a	244/190	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		0.00	5	Weight: 59 lb	FT = 25%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.2		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 14-4-4.
(lb) - Max Horz 1=-122(LC 10)
Max Uplift: All uplift 100 lb or less at joint(s) 1 except 8=-114(LC 12), 6=-114(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=349(LC 19), 6=349(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-311/221, 4-6=-311/221

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10: Vult=130mph Vasd=103mph; TC DL=6.0psf, BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 7-2-10, Exterior(2) 7-2-10 to 11-7-7, Interior(1) 11-7-7 to 13-11-15 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (If=lb) 8=-114, 6=-114.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

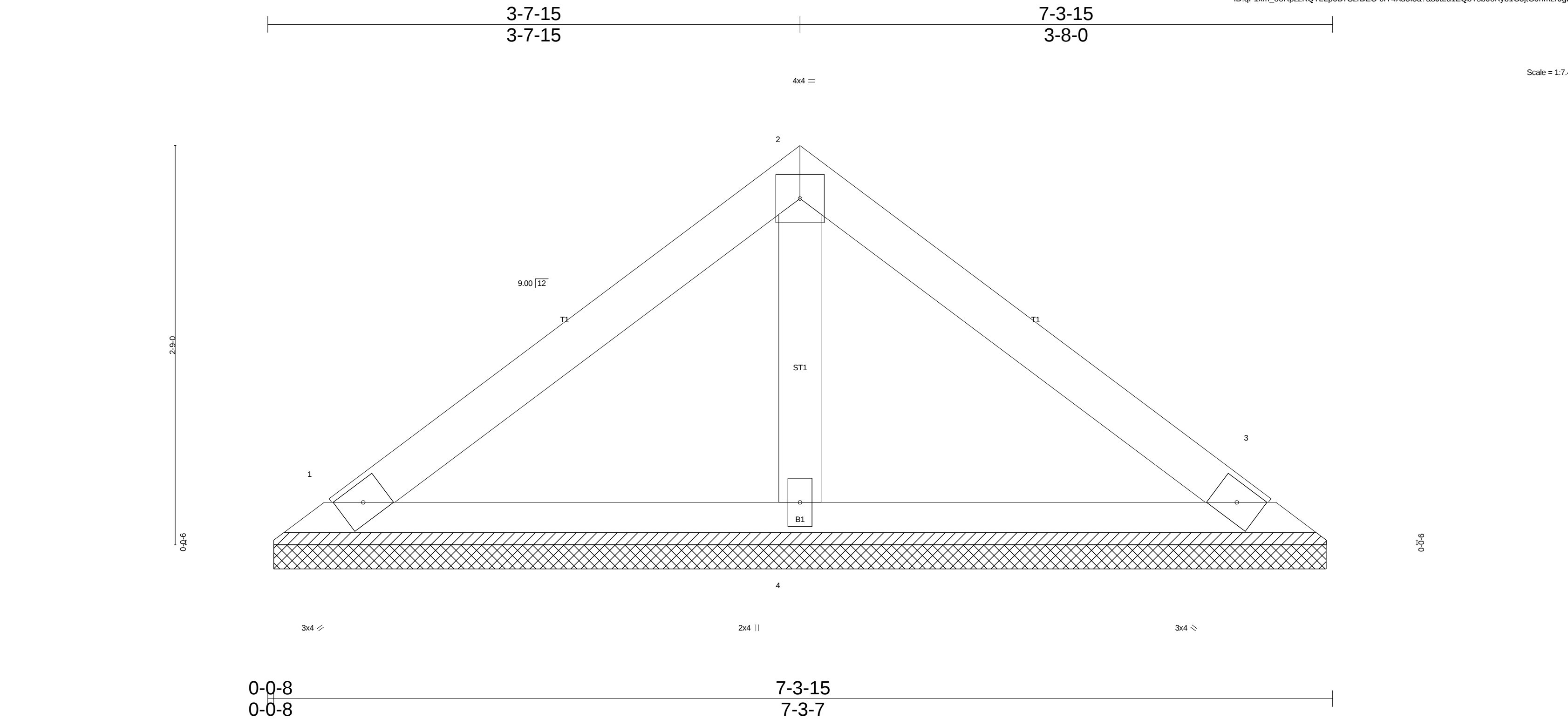


MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

NOTES:-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 1-30mph Vasd=103mph; TCdL=6.0psf; BCdL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 5-5-5, Exterior(2) 5-5-5 to 9-10-2, Interior(1) 9-10-2 to 10-5-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (it=lb) 8=117, 6=117.
- 6) Non Standard bearing condition. Review required.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 26 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

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

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

REACTIONS. (lb/size) 1=145/7-2-15 (min. 0-1-8), 3=145/7-2-15 (min. 0-1-8), 4=226/7-2-15 (min. 0-1-8)
Max Horz 1=58(LC 9)
Max Uplift 1=22(LC 12), 3=28(LC 13)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCdL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

