Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	Т1	Common	2	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:30 ID:Qs8UbGnTc9ecqmxxHJh4_1yZPH4-LJSyMi8wb47OeF1Kxdgk69R4SGKO5YD8dY9DITyZPBR

30-7-0 14-9-8 21-11-13 29-7-0 7-7-3 7-7-3 7-2-5 7-2-5 7-7-3 -0-0 4x5= 5 812 21 3x6 🖌 3x5. 3x5 🖉 3x6👟 6 4 3 7 10-2-13 20 23 8 -4-7 阂 ₿ 12 ě 13 11 24 10 2x4 II 3x4= 2x4 II 3x4= 3x8= 3x4= 12-9-12 21-11-13 29-7-0 7-7-3 7-7-3 5-2-9 9-2-1 7-7-3 Scale = 1:55.5 Loading (psf) Spacing 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRIP TCLL (roof) 20.0 Plate Grip DOL 1.15 тс 0.56 Vert(LL) 0.08 10-19 >999 240 MT20 244/190 1.15 -0.15 10.0 Lumber DOL BC 0.40 180 Vert(CT) 13-16 >999 0.0 Rep Stress Incr YES WB 0.58 Horz(CT) 0.01 8 n/a n/a IRC2015/TPI2014 10.0 Code Matrix-MS Weight: 156 lb FT = 20% LUMBER BRACING TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. 2x4 SP No.1

BOT CHORD WEBS 2x4 SP No.3 **REACTIONS** (lb/size) 2=450/0-3-8, (min. 0-1-8), 8=640/0-3-8, (min. 0-1-8), 12=1397/0-3-8, (min. 0-2-3) Max Horiz 2=-189 (LC 9) Max Uplift 2=-87 (LC 11), 8=-109 (LC 11), 12=-166 (LC 11) Max Grav 2=487 (LC 20), 8=647 (LC 21), 12=1397 (LC 1) FORCES

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

TOP CHORD 2-20=-421/47, 3-20=-324/85, 5-21=0/338, 7-23=-620/113, 8-23=-719/76

- BOT CHORD 2-13=-52/275, 12-13=-52/275, 11-12=0/516, 11-24=0/516, 10-24=0/516, 8-10=0/516
- 5-12=-561/28, 7-12=-732/190, 7-10=0/286, 3-12=-570/207 WEBS

NOTES

TCDL

BCLL

BCDL

10-10-9

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

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 2) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 14-9-8, Exterior (2) 14-9-8 to 17-9-8, Interior (1) 17-9-8 to 30-7-0 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 3) any other members, with BCDL = 10.0psf.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2, 166 lb uplift at joint 12 and 109 lb uplift at joint 8.

5) 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

Peak Truss Builders LLC, New Hill, user

BOT CHORD WFBS

Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 5-12, 7-12

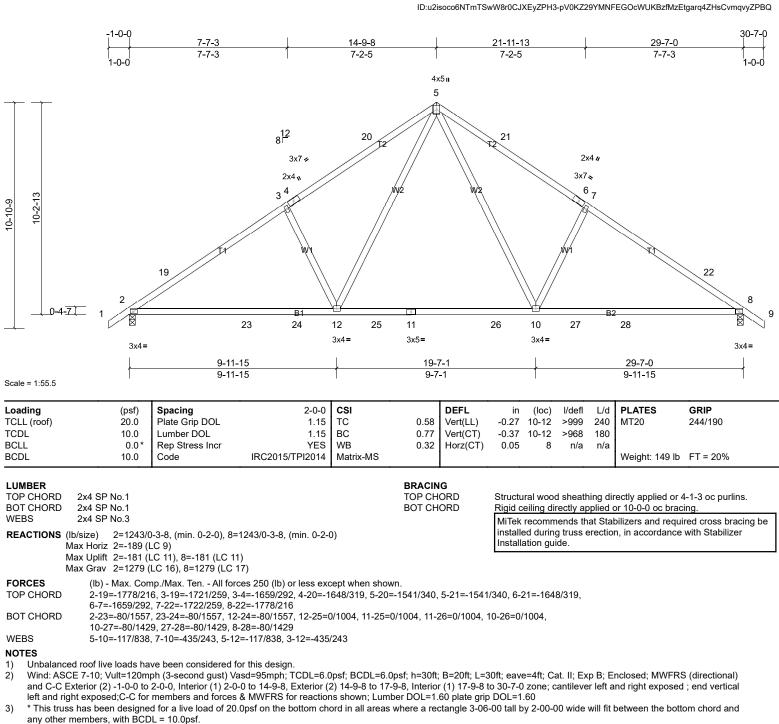
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Page: 1

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T1A	Common	15	1	Job Reference (optional)

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Page: 1



4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 2 and 181 lb uplift at joint 8.

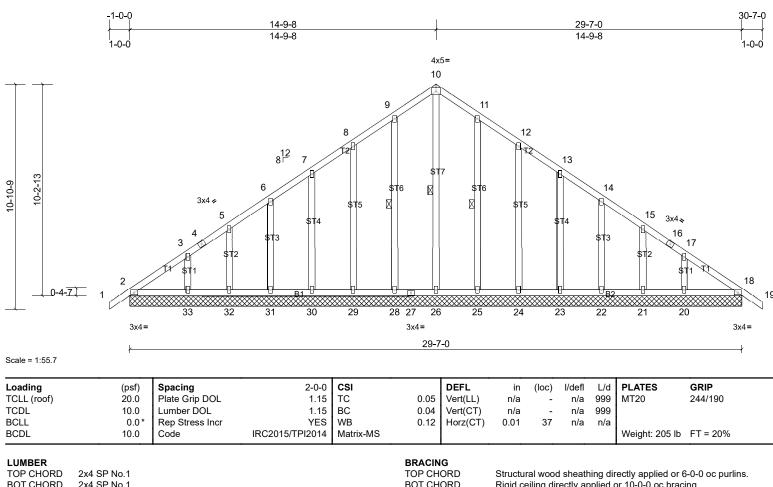
5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Peak Truss Builders LLC, New Hill, user

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T1GE	Common Supported Gable	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:31 Page: 1 ID:u2isoco6NTmTSwW8r0CJXEvZPH3-pV0KZ29YMNFEGOcWUKBzfMzN5amEa7eHsCvmavvZPBQ



2x4 SP No.1 BOT CHORD 2x4 SP No.3 OTHERS

REACTIONS All bearings 29-7-0.

(lb) - Max Horiz 2=-189 (LC 9), 34=-189 (LC 9)

- Max Uplift All uplift 100 (lb) or less at joint(s) 2, 20, 21, 22, 23, 24, 25, 28, 29. 30. 31. 32. 33. 34 All reactions 250 (lb) or less at joint(s) 2, 18, 20, 21, 22, 23, 24, Max Grav
 - 25, 26, 28, 29, 30, 31, 32, 33, 34, 37
- 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. 1)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 2) and C-C Corner (3) -1-0-0 to 2-0-0, Exterior (2) 2-0-0 to 14-9-8, Corner (3) 14-9-8 to 17-9-8, Exterior (2) 17-9-8 to 30-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 3) qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated. 4)
- Gable requires continuous bottom chord bearing. 5)
- Gable studs spaced at 2-0-0 oc. 6)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 7) any other members

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 32, 33, 25, 24, 23, 22, 21, 20, 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. 9)

LOAD CASE(S) Standard BOT CHORD WFBS

Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 10-26, 9-28, 11-25

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

Bits CSU First Events First Events First Events First Events First First <t< th=""><th>Job</th><th>Truss</th><th></th><th>Truss Type</th><th></th><th>Qty</th><th>Ply</th><th>Compton I</th><th>Resd-Roof</th><th></th><th></th><th></th></t<>	Job	Truss		Truss Type		Qty	Ply	Compton I	Resd-Roof			
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State = 1:56.6 52-7 9-11-15 12-0-12 14-0-8 12-7-1 24-0-9 29-7-0 Plate Offsets (X, Y): [2:0-3-7.0-1-12], [4:0-2:0.0-3:0] Interview of the state of th				JUS26	JUS26 JUS26	3x8=		JUS26			.ED	
State = 1:36.6 5-2.7 4-9-9 2-9-13 1-11-12 4-9-9 4-9-9 5-2.7 Plate Offices (X, Y): [2.0-3.7.0.1-12], [4.0-2.8.0.3-0] Columbra Offices (X, Y): [2.0-3.7.0.1-12], [4.0-2.8.0.3-0] Image Offices (X, Y): [2.0-3.7.0.1-12], [4.0-2.8.0.3-0] Lundering (ps)1 Spacing 2.0-0 CSI 0.29 Vert(CI) -0.03 19.35 5989 240 MT20 244/190 BCDL 10.0 Code IRC2015/TPI2014 Matrix-MS 0.61 Horz(CT) -0.06 19.35 5989 240 MT20 244/190 BCDL 10.0 Code IRC2015/TPI2014 Matrix-MS 0.61 Horz(CT) -0.01 15 n/a Weight: 262.1b FT = 20% LUMBER TDP CHORD 2x4 SP No.3 BRACING Structural wood sheathing directly applied or 5-4-1 oc purlins. Right celling directly applied or 5-4-1 oc purlins. Right cells applied or 5-4-1 oc purlins. Right cells		I	527	0 11 15	12012 14			I	24.4.0	T	20.7.0	1
Loading (pst) Spacing 2-0-0 Plate Grip DOL CSI 0.2 Vert(11) 0.0 1/16 PLATES GRIP CDL 0.0 10.0 Plate Grip DOL 1.15 BC 0.51 Vert(21) -0.03 19.35 >999 240 Mathin No Vert(21) -0.01 15 m/a n/a BCDL 0.01 15 Plate Sizes Incr NO WB Matrix-MS No 15 m/a n/a Plates GRIP UMMER Code IRC2015/TPI2014 Matrix-MS Matrix-MS Structural wood sheathing dired/19 applied or 5-40 to purifins. No No<	Scale = 1:56.6	<u> </u>						1		ł		
CICLI (coor) 20.0 (100) Place Cap DOL (115) 115 (100) IC 0.22 (100) Vert(CT) 0.03 19-36 (100) 244/190 BCDL 0.00 (100) Pastress Incr NO WB 0.61 Horz(CT) 0.06 13-35 5-999 440 Weight: 262 Ib FT = 20% LUMBER TOP CHORD 2x4 SP No.1 (200) Code IRC2015/TF12014 Matrix-MS BRACING Structural wood sheathing directly applied or 5-4-1 oc purlins. Rigid celling directly applied or 5-4-1 oc purlins. Rigid celling directly applied or 5-4-1 oc purlins. Rigid celling directly applied or 5-4-0 co bracing. WEBS 2x4 SP No.3 WEBS WEBS Structural wood sheathing directly applied or 5-4-1 oc purlins. Rigid celling directly applied or 5-4-0 co bracing. (b)- Max Horiz Z=-189 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 10.4.17 except 27-184 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 10.4.17 except 27-184 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 10.4.17 except 27-184 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 10.4.17 except 27-184 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 10.4.17 except 27-184 (LC 7) Max Grav All reactions 250 (Ib) or less at joint(s) 1.1.17 except 10.002, 14-41-105/1082, 18-41-1-105/1082, 18-42-0/330, 17-42-0/330, 16-17-10/330, 16-17-10/330, 16-17-10/30, 16-17-10/30, 16-18-10/30, 16-18-10/30, 16-18-10/30, 16-18-10/30, 16-18-20/21, 16-10/30, 16-18-20/21, 16-10/30	Plate Offsets (X,	Y): [2:0-3-7,0-1-12	2], [4:0-2-8,0-3-0]									
CTOL 10.0 Lumber DOL 1.15 BC 0.61 Vert(CT) -0.06 19-35 >999 100 BCDL 10.0 Code IRC2015/TPI2014 Matrix-MS Horz(CT) 0.06 19-35 >999 100 LUMBER Rep Stress incr NO Matrix-MS BRACING TOP CHORD 24.6 SP No.2 Weight: 262 lb FT = 20% LUMBER TOP CHORD 24.6 SP No.2 BTACING TOP CHORD 24.6 SP No.2 Structural wood sheathing directly applied or 5-4-1 oc purlins. REACTONS All bearings 16-11-0. except 2=0-3-8, 17=0-3-8 WEBS BTACING ToW at midpl. 6-15, 5-15 (Ib)- Max Comp.Max Ton - All forces 250 (lb) or less at joint(s) 10 except 2=-787 (lc 1), 12-292 (lc 7), 13-292 (lc 7), 13-292 (lc 7), 17-479 (lc 7), 17-47	Loading							· · ·		-		
BCDL 10.0 Code IRC2015/TP12014 Matrix-MS Weight: 262 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.1 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing. BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc bracing. BRACING TOP CHORD WEBS 2x4 SP No.3 Structural wood sheathing directly applied or 6-0-0 oc bracing. ING Gots Structural wood sheathing directly applied or 6-0-0 oc bracing. BRACING TOP CHORD 2x4 SP No.3 WEBS WEBS Structural wood sheathing directly applied or 6-0-0 oc bracing. ING ING Gots Structural wood sheathing directly applied or 6-0-0 oc bracing. ING ING Gots Structural wood sheathing directly applied or 6-0-0 oc bracing. ING ING Gots	TCLL (roof) TCDL						• •			MT20	244/19	90
LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3 REACTIONS All bearings 16-11-0. except 2=0-3-8, 17=0-3-8 (tb) - Max Horiz 2=-188 (LC 5) Max Upit 100 (b) or less at joint(s) 10, 14, 17 except 2=-184 (LC 7, 12=-728 (LC 7), 13=-121 (LC 7), 15=-439 (LC 7) Max Grav All reactions 250 (b) or less at joint(s) 10 except 2=978 (LC 1), 12=2928 (LC 17), 13=-292 (LC 7), 13=-121 (LC 7), 15=-439 (LC 7) Max Grav All reactions 250 (b) or less at joint(s) 10 except 2=978 (LC 1), 12=2928 (LC 17), 13=-292 (LC 7), 14=-739 (LC 1), 15=-2011 (LC 1), 17=439 (LC 7), 13=-121 (LC 7), 15=-439 (LC 7), 12=2928 (LC 17), 13=-292 (LC 7), 14=-739 (LC 1), 15=-2011 (LC 1), 17=439 (LC 17), 13=-292 (LC 7), 14=-202 (LC 7), 15=-204 (LC 7), 14=-202 (LC 7), 14=-202 (LC 7), 14=-202 (LC 7), 14=-202 (LC 7), 14=-204 (LC 7), 14=-202 (LC 7), 14=-204 (LC 7), 14=	BCLL					0.61 H	lorz(CT)	0.01 15	n/a n/a	Weight: 26	21b FT=2	20%
TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 5-41 oc purlins. BOT CHORD 2x6 SP No.3 WEBS Structural wood sheathing directly applied or 5-40 oc bracing. OTHERS 2x4 SP No.3 WEBS Not service and the		10.0	couc						-	Wolght. 20		
BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 CHORD Max Hortz 2=-189 (LC 5) Max Hortz 12=-189 (LC 5) Max Hortz 2=-189 (LC 5) Max Grav. All reactions 250 (lb) or less at joint(s) 10, 14, 17 except 2=-184 (LC 7, 12=-284 (LC 7), 13=-121 (LC 7), 15=-439 (LC 7) Max Grav. All reactions 250 (lb) or less at joint(s) 10 except 2=054 (LC 7) 12=028 (LC 17), 13=-121 (LC 7), 15=-439 (LC 5) Max Grav. All reactions 250 (lb) or less at joint(s) 10 except 2=0748 (LC 7) Max Grav. All reactions 250 (lb) or less at joint(s) 10 except 2=0748 (LC 7) Max Grav. All reactions 250 (lb) or less at joint(s) 10 except 2=078 (LC 1), 12=028 (LC 17), 13=029 (LC 17), 14=379 (LC 3) Max Grav. All reactions 250 (lb) or less except when shown. TOP CHORD 2-39=-105/1082, 19-39=-105/1082, 19-40=-105/1082, 40-41=-105/1082, 40-41=-105/1082, 18-42=0/330, 17-42=0/330, 16=17=0/330, 15=43=-250/216, 14-43=9-250/216, 14-43=-250/216 MEBS 6-15=-714/65, 5-15=-1044/303, 5-18=-177/945, 3-18=-930/243, 3-19=-967/48 MOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf, h=30f; B=20f; L=30f; eave=4f; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; in during the exposed; Ic 10 June POL=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 designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb upiff at joint(s) 14, 10, 17 except (it=lb) 2=183, 15=438, 13=121, 12=127. 4) This truss is designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5)	LUMBER TOP CHORD	2x4 SP No 1					אס א	Structural woo	od sheathing di	rectly applied	l or 5-4-1 oc	purlins
OTHERS 2x4 SP No.3 REACTIONS All bearings 16-11-0, except 2=0-3-8, 17=0-3-8, ((b) - Max Horiz 2=-189 (LC 5) Max Uptif: All upifit 100 (b) or less at joint(s) 10, 14, 17 except 2=-184 (LC 7), 12=-128 (LC 7), 13=-121 (LC 7), 13=-439 (LC 7) Max Grav All reactions 250 (b) or less at joint(s) 10 except 2=978 (LC 1), 12=928 (LC 17), 13=-392 (LC 17), 14=-379 (LC 13), 15=2011 (LC 1), 17=435 (LC 12) MiTex recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installed during truss erection, in accordance with truss erection, in a stabilizer Installed during truss erecting in the stable struss and struss erectin	BOT CHORD	2x6 SP No.2			B	OT CHOF	RD I	Rigid ceiling c	irectly applied	or 6-0-0 oc b	racing.	Parmer
 (b) - Max Horiz 2=-189 (LC 5) Max Upitif All upitif 100 (b) or less at joint(s) 10, 14, 17 except 2=-184 (LC 7), 12=-128 (LC 7), 13=-321 (LC 7), 13=-329 (LC 7), 13=-390 (LC 3), 15=-2011 (LC 1), 17=435 (LC 12) FORCES (b) - Max Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 233=-105/1082, 19-393-105/1082, 19-40=-105/1082, 40-41=-105/1082, 18-41=-105/1082, 18-42=0/330, 17-42=0/330, 16-17=0/330, 15-16=-0/330, 15-43=-250/216, 13-14=-250/216 WEBS 6-15=-714/65, 5-15=-1044/303, 5-18=-717/945, 3-18=-930/243, 3-19=-96/748 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10, Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf, BCDL=6.0psf, h=30f; B=20f; L=30f; eave=4f; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for vine 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/TP1 1. 4) All plates are 2x4 MT20 unless otherwise indicated. 5) Gable studs spaced at 2-0-0 o. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the	OTHERS				vv	EDS	r					ss bracing be
 (b) Find 2 Lettics 2 Lettic				=0-3-8						n, in accorda	ince with Sta	abilizer
 Max Grav Ali reactions 250 (b) or less at joint(s) 10 except 2=978 (LC 1), 12=928 (LC 17), 13=392 (LC 17), 14=379 (LC 13), 15=2011 (LC 1), 17=435 (LC 12) FORCES (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 2-3=-1273/226, 3-4-393/300, 4-5=-272/119, 5-6=-37/494, 6-7=-22/482, 7-8=-29/332, 8-9=-40/275 BOT CHORD 2-39=-105/1082, 19-39=-105/1082, 19-40=-105/1082, 19-40=-105/1082, 19-40=-105/1082, 19-40=-105/1082, 19-39=-105/1082, 18-42=0/330, 17-42=0/330, 17-42=0/330, 15-43=-20/216, 14-43=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 13-14=-250/216, 19-218, 15=108, 19-210/218, 10-211,	()	ax Uplift All uplift	100 (lb) or less at joi		2=-184 (LC		L	j				
 (LC 1), 17=435 (LC 12) FORCES (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 2:3=-1273/226, 3:4=-393/90, 4:5=-272/119, 5:6=-37/494, 6:7=-22/482, 7:8=-29/332, 8:9=-40/275 BOT CHORD 2:3=-105/1082, 19:39=-105/1082, 19:40=-105/1082, 40:41=-105/1082, 18:41=-105/1082, 18:42=0/330, 17:42=0/330, 16:17=0/330, 15:43=-250/216, 13:43=-250/216, 13:14=-250/216 WEBS 6:15=-714/65, 5:15=-1044/303, 5:18=-177/945, 3:18=-930/243, 3:19=-96/748 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Uult=120mph (3:second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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. 6) Gable studs spaced at 2:0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3:06:00 tall by 2:00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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) Use USP JUS26 (With 4:10d nails into Girder & 4:10d nails into Truss) or equivalent spaced at 2:0-0 oc max. starting at 3:0-12 from the left end to 25:0-12 to connect truss(es) T2CGRD (1 p) 2x4 S P). T2A (1 p) 2x4 S P), T2A (1 p) 2x4 S P), T2A (1 p)	M				78 (LC 1),							
 FORCES (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. TOP CHORD 2:3=:1273/226, 34=:393/90, 4:5=:272/119, 5-6=:37/494, 6:7=:22/482, 7:8=:29/332, 8:9=:40/275 BOT CHORD 2:39=:105/1082, 19:39=:105/1082, 19:40=:105/1082, 14:41=:105/1082, 18:41=:105/1082, 18:42=0/330, 17:42=0/330, 16:41:7=0/330, 15:43=:250/216, 13:14=:250/216 WEBS 6:15=:714/65, 5:15=:1044/303, 5:18=:177/945, 3:18=:930/243, 3:19=:96/748 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7:10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber 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 Zx4 MT20 unless otherwise indicated. 5) Gable studs spaced at 2:0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3:06-00 tall by 2:00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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) Use USP JUS26 (With 4:10d nails into Girder & 4:10d nails into Truss) or equivalent spaced at 2:0-0 oc max. starting at 3:0-12 from the left end to 25:0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2C (1 ply 2x4 SP), T2C (1 ply 2x4 SP) to font face of bottom chord. 10) Fill all nail holes where hanger is				17), 14=379 (LC 13), 15	5=2011							
 BOT CHORD 2-39=-105/1082, 19-39=-105/1082, 19-40=-105/1082, 40-41=-105/1082, 18-41=-105/1082, 18-42=0/330, 17-42=0/330, 15-43=-250/216, 13-14=-250/216, 13-14=-250/216 WEBS 6-15=-714/65, 5-15=-1044/303, 5-18=-177/945, 3-18=-930/243, 3-19=-96/748 NOTES 1 Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; 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 ANS/ITPI 1. 4) All plates are 2x4 MT20 unless otherwise indicated. 5) Gable studs spaced at 2-0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc canc. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2 (1 ply 2x4 SP) to front face of bottom chord. 10) Fill all nail holes where hanger is in contact with lumber. 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") to e-nails per NDS guidlines. 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted	FORCES											
 WEBS 6-15=-714/65, 5-15=-1044/303, 5-18=-177/945, 3-18=-930/243, 3-19=-96/748 NOTES 1 Unbalanced roof live loads have been considered for this design. 2 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; 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. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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. 9) Use USP JUS26 (With 4-10d nails into Grider & 4-10d nails into Truss) or equivalent spaced at 2-0-0 co cm ax. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2B (1 ply 2x4 SP) to front face of bottom chord. 10) Fill all nail holes where hanger is in contact with lumber. 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. 12) 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 	BOT CHORD	2-39=-105/108	2, 19-39=-105/1082	, 19-40=-105/1082, 40-4	1=-105/1082, 18-41	1=-105/10		0/330, 17-42=	=0/330,			
 NOTES Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 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. All plates are 2x4 MT20 unless otherwise indicated. Gable studs spaced at 2-0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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. Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2B (1 ply 2x4 SP) to front face of bottom chord. Fill all nail holes where hanger is in contact with lumber. "NAILED" indicates 3-104 (0.148"x3.25") toe-nails per NDS guidlines. In the LOAD CASE(S) Section, loads applied to the face of the truss are noted as front (F) or back (B). 	WEBS	,	,	,	,	6						
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=30ft; catliever=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 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. All plates are 2x4 MT20 unless otherwise indicated. Gable studs spaced at 2-0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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. Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2 (1 ply 2x4 SP) to front face of bottom chord. Fill all nail holes where hanger is in contact with lumber. "NALLED" indicates 3-104 (0.148"x3") or 3-124 (0.148"x3.25") toe-nails per NDS guidlines. In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 	NOTES	,		,	-							
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 qualified building designer as per ANSI/TPI 1. All plates are 2x4 MT20 unless otherwise indicated. Gable studs spaced at 2-0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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. Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T2B (1 ply 2x4 SP) to front face of bottom chord. Fill all nail holes where hanger is in contact with lumber. "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. In the LOAD CASE(S) Section, loads applied to the face of the truss are noted as front (F) or back (B). 		• •				• •		Standard Indu	istry Gable End	d Details as a	pplicable, o	r consult
 5) Gable studs spaced at 2-0-0 oc. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 10, 17 except (jt=lb) 2=183, 15=438, 13=121, 12=127. 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) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T2 (1 ply 2x4 SP) to front face of bottom chord. 10) Fill all nail holes where hanger is in contact with lumber. 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. 12) 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 	qualified bu	ilding designer as	per ANŚI/TPI 1.		,				-		- /	
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 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) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-0-12 from the left end to 25-0-12 to connect truss(es) T2CGRD (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2B (1 ply 2x4 SP) to front face of bottom chord. 1) Fill all nail holes where hanger is in contact with lumber. 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. 12) 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 	any other m	embers.					•					
T2CGRD (1 ply 2x4 SP), T2A (1 ply 2x4 SP), T2 (1 ply 2x4 SP), T2B (1 ply 2x4 SP) to front face of bottom chord. 10) Fill all nail holes where hanger is in contact with lumber. 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. 12) 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												=127.
 Fill all nail holes where hanger is in contact with lumber. "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines. 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 								ting at 3-0-12	from the left er	nd to 25-0-12	to connect t	truss(es)
12) 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	10) Fill all nail h	oles where hange	r is in contact with lu	mber.								
						back (B).						
	1) Dead + Ro		: Lumber Increase=	1.15. Plate Increase=1.1	15							

Ь, eu). Uniform Loads (lb/ft) Vert: 1-6=-60, 6-11=-60, 2-10=-20

Q-2102258-1 T1GRD Common Girder 1 1 Job Reference (optional)	Γ	Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
		Q-2102258-1	T1GRD	Common Girder	1	1	Job Reference (optional)

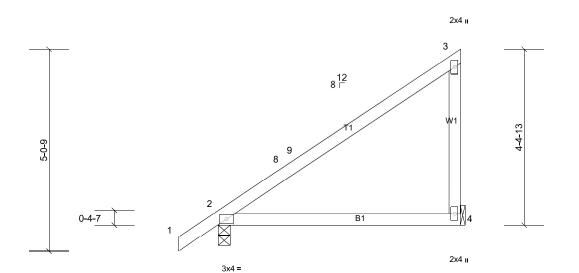
Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:32 Page: 2 ID:IdO?Rdq_gO81JNEjW9m08tyZPH0-IhajnOAA7hN5uYBi22iCCaWU54?CZSDR5seJMLyZPBP

Concentrated Loads (lb) Vert: 15=-211 (F), 19=-211 (F), 14=-211 (F), 17=-211 (F), 38=-22 (F), 39=-259 (F), 40=-211 (F), 41=-211 (F), 42=-211 (F), 43=-211 (F), 44=-211 (F), 45=-211 (F), 46=-211 (F), 47=-200 (F)

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T2	Jack-Closed	9	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:32 Page: 1 ID:qRqcDHpMv40AhEfWzRFncfyZPH1-IhajnOAA7hN5uYBi22iCCaWSV42SZbnR5seJMLyZPBP





Scale = 1:28.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.39	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.11	4-7	>648	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 27 lb	FT = 20%

6-0-8

LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (lb/size) 2=301/0-3-8, (min. 0-1-8), 4=231/ Mechanical, (min. 0-1-8) Max Horiz 2=133 (LC 10) Max Uplift 2=-50 (LC 11), 4=-43 (LC 11)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
Max Grav 2=301 (LC 1), 4=238 (LC 19) FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when sh	iown.	

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & 1) MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 2) any other members.

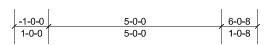
Refer to girder(s) for truss to truss connections. 3)

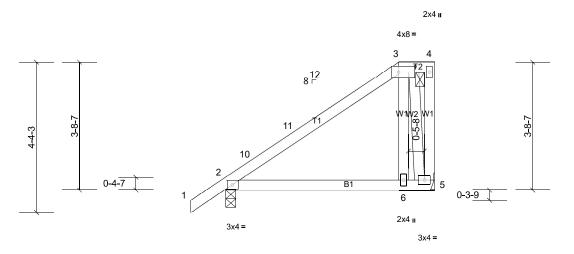
Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 4 and 50 lb uplift at joint 2. 4)

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. 5)

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T2A	Half Hip	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:32 Page: 1 ID:MEGE0yok8muK445KPkjY3SyZPH2-IhajnOAA7hN5uYBi22iCCaWVg43vZaNR5seJMLyZPBP







Scale = 1:33.4

Plate Offsets (X, Y): [3:0-5-12,0-2-0]

	-	-										-
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.25	Vert(LL)	0.02	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.04	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 35 lb	FT = 20%

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		except end verticals, and 2-0-0 oc purlins: 3-4.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (lb/size) 2=301/0-3-8, (min. 0-1-8), 5=231/ Mechanical, (min. 0-1-8) Max Horiz 2=116 (LC 10) Max Uplift 2=-55 (LC 11), 5=-38 (LC 11)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when she WEBS 3-5=-343/102	own.	

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-0-0, Exterior (2) 5-0-0 to 5-10-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Provide adequate drainage to prevent water ponding.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 5 and 55 lb uplift at joint 2.

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.

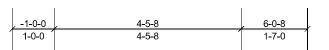
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

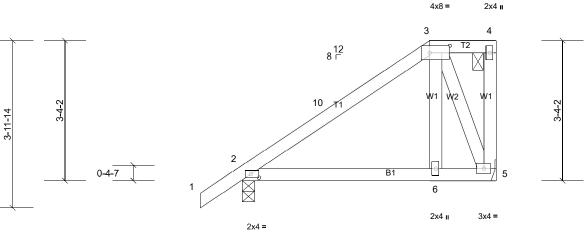
Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T2B	Half Hip	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:33 Page: 1 ID:qRqcDHpMv40AhEfWzRFncfyZPH1-mt85_kBou?VyVimvclDRkn3gLTPqI10aKWOtvoyZPBO

6-0-8

1-5-4







Scale = 1:27.5

Plate Offsets (X, Y): [2:0-2-5,0-1-0], [3:0-5-12,0-2-0]

												-
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.03	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 34 lb	FT = 20%

4-7-4

4-7-4

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		except end verticals, and 2-0-0 oc purlins: 3-4.
WEBS 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS (lb/size) 2=301/0-3-8, (min. 0-1-8), 5=231/ Mechanical, (min. 0-1-8) Max Horiz 2=104 (LC 10) Max Uplift 2=-58 (LC 11), 5=-35 (LC 11)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when sh	hown.	
WEBS 3-5=-257/89		

NOTES

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 4-5-8, Exterior (2) 4-5-8 to 5-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 2 and 35 lb uplift at joint 5.

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.

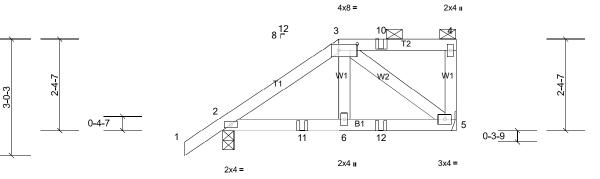
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T2CGRD	Half Hip Girder	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:33 Page: 1 ID:qRqcDHpMv40AhEfWzRFncfyZPH1-mt85_kBou?VyVimvclDRkn3hBTP7I1naKWOtvoyZPBO



NAILED





Scale = 1:29.9

Plate Offsets (X, Y): [3:0-5-12,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.14	Vert(LL)	-0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.01	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 31 lb	FT = 20%

BOT CHORD 2 WEBS 2 REACTIONS (Ib/s Max	2x4 SP No.1 2x4 SP No.1 2x4 SP No.3 size) 2=364/0-3-8, (min. 0-1-8), 5=279/ Mechanical, (min. 0-1-8) x Horiz 2=74 (LC 6) x Uplift 2=-83 (LC 7), 5=-46 (LC 7)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4. 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.
FORCES TOP CHORD WEBS	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when s 2-3=-310/45 3-5=-293/43	shown.	

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; L=20ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60

2) Provide adequate drainage to prevent water ponding.

3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

4) Refer to girder(s) for truss to truss connections.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 46 lb uplift at joint 5.

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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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

Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-4=-60, 5-7=-20

Concentrated Loads (lb)

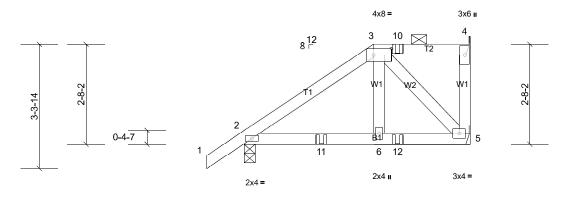
Vert: 10=-12 (B), 11=-84 (B), 12=-16 (B)

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T2GRD	Half Hip Girder	1	1	Job Reference (optional)

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NAILED



NAILED	NAILED
3-7-4	, 6-0-8
3-7-4	2-5-4

Scale = 1:30.8

Plate Offsets (X, Y): [3:0-5-12,0-2-0]

		-										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.15	Vert(LL)	0.01	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.02	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 32 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be
REACTIONS (lb/size) 2=382/0-3-8, (min. 0-1-8), 4=80/ Mechanical, (min. 0-1-8), 5=220/ Mechanical, (min. 0-1-8) Max Horiz 2=83 (LC 6)		installed during truss erection, in accordance with Stabilizer Installation guide.
Max Uplift 2=-87 (LC 7), 4=-34 (LC 3), 5=-20 (LC 7) Max Grav 2=382 (LC 1), 4=82 (LC 17), 5=222 (LC 12)		
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when sh TOP CHORD 2-3=-299/46	own.	

WEBS 3-5=-319/53

NOTES

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60

Provide adequate drainage to prevent water ponding.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 4, 87 lb uplift at joint 2 and 20 lb uplift at joint 5.

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.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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

Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-4=-60, 5-7=-20

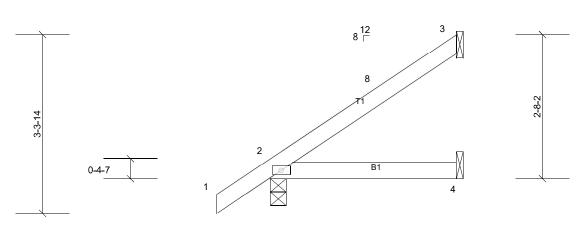
Concentrated Loads (lb)

Vert: 10=-25 (F), 11=-103 (F), 12=-22 (F)

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	ТЗ	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:21.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.11	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1

2x4 SP No.1 BOT CHORD

REACTIONS (lb/size) 2=205/0-3-8, (min. 0-1-8), 3=85/ Mechanical, (min. 0-1-8), 4=42/ Mechanical, (min. 0-1-8) Max Horiz 2=108 (LC 11) Max Uplift 2=-33 (LC 11), 3=-45 (LC 11) Max Grav 2=205 (LC 1), 3=85 (LC 16), 4=43 (LC 16)

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

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 1) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 3-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 2) any other members.

3) Refer to girder(s) for truss to truss connections.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 3 and 33 lb uplift at joint 2. 4)

5) 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 BRACING TOP CHORD BOT CHORD

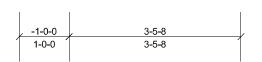
3-5-8

Structural wood sheathing directly applied or 3-5-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be

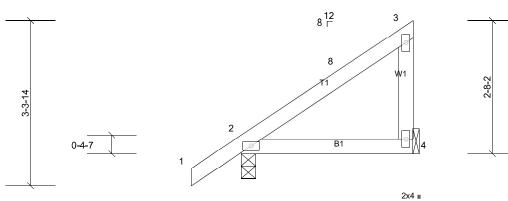
installed during truss erection, in accordance with Stabilizer Installation guide.

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	ТЗА	Jack-Closed	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:34 Page: 1 ID:MEGE0yok8muK445KPkjY3SyZPH2-E4iTC3CQfldp7sL5ATkgH?btYtmN1UHkYA7QREyZPBN







Scale = 1:23.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

3-5-8

LUMBER TOP CHOR BOT CHOR WEBS REACTION	D 2x4 SP No.1 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 3-5-8 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.
FURCES	(ID) - Max. Comp./Max. Ten All forces 250 (ID) or less except when	snown.	

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 3-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

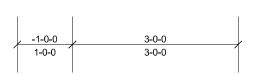
3) Refer to girder(s) for truss to truss connections.

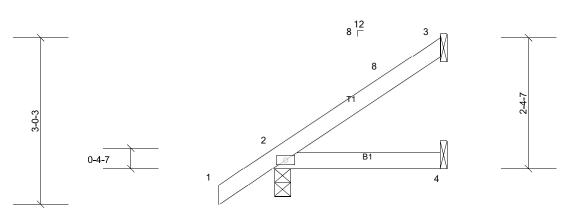
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 4 and 49 lb uplift at joint 2.

5) 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.

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	Τ4	Jack-Open	1	1	Job Reference (optional)

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Scale = 1:20.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.07	Vert(LL)	0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

REACTIONS (lb/size) 2=188/0-3-8, (min. 0-1-8), 3=72/ Mechanical, (min. 0-1-8), 4=36/ Mechanical, (min. 0-1-8) Max Horiz 2=98 (LC 11) Max Uplift 2=-35 (LC 11), 3=-38 (LC 11)

Max Grav 2=188 (LC 1), 3=72 (LC 16), 4=36 (LC 16)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 2-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

3) Refer to girder(s) for truss to truss connections.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 3 and 35 lb uplift at joint 2.

5) 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

BRACING TOP CHORD BOT CHORD

3-0-0

Structural wood sheathing directly applied or 3-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

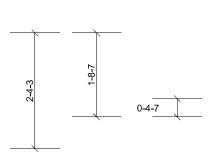
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

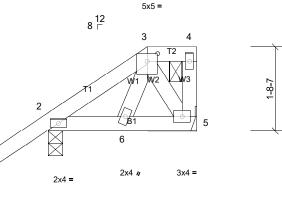
Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	T4A	Half Hip	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:34 Page: 1 ID:u2isoco6NTmTSwW8r0CJXEyZPH3-E4iTC3CQfldp7sL5ATkgH?buLtr21U_kYA7QREyZPBN











Scale = 1:23.4

Plate Offsets (X, Y): [3:0-2-8,0-1-13]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.05	Vert(LL)	0.00	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 17 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 WEBS 2x4 SP No.3 REACTIONS (lb/size) 2=185/0-3-8, (min. 0-1-8), 5=104/ Mechanical, (min. 0-1-8) Max Horiz 2=53 (LC 10) Max Uplift 2=-54 (LC 11), 5=-13 (LC 8)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4. 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.
FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when sh	iown.	

NOTES

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

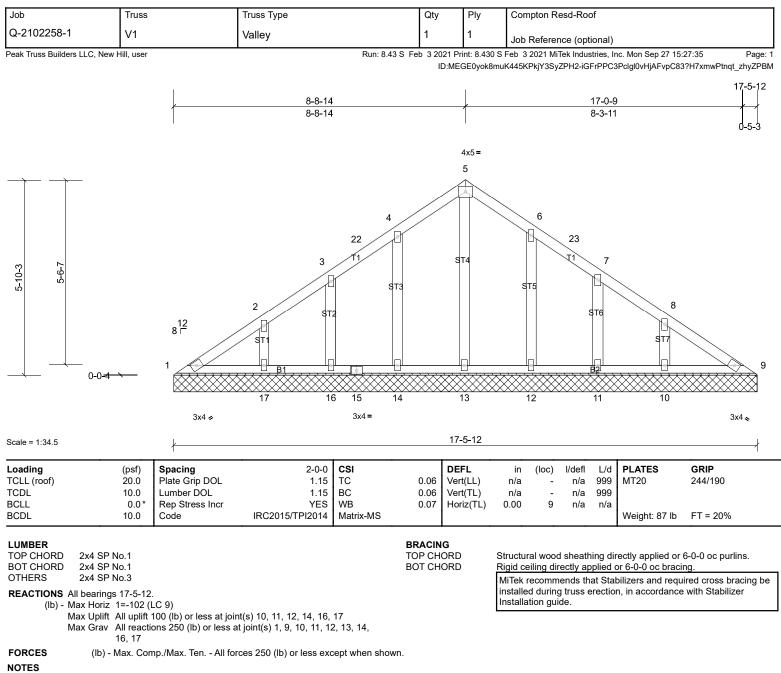
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 2 and 13 lb uplift at joint 5.

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.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-6 to 2-8-14, Interior (1) 2-8-14 to 8-9-4, Exterior (2) 8-9-4 to 11-9-4, Interior (1) 11-9-4 to 17-6-2 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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.

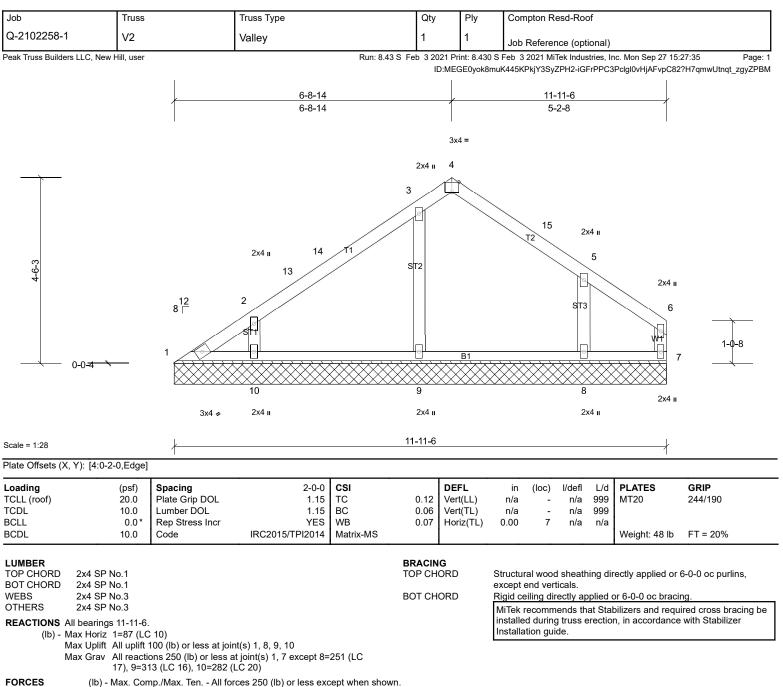
5) Gable requires continuous bottom chord bearing.

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

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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) 14, 16, 17, 12, 11, 10.

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.



FORCES

NOTES

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

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 2) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 6-9-4, Exterior (2) 6-9-4 to 9-11-11, Interior (1) 9-11-11 to 11-10-0 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

All plates are 2x4 MT20 unless otherwise indicated. 3)

Gable requires continuous bottom chord bearing 4)

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 5) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 10, 8. 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)

Job	Truss		Truss Type		Qty	Ply	Compton F	Resd-Roof		
Q-2102258-1	V3		Valley		1	1	Job Refere	nce (optional)	
eak Truss Builders LLC,	New Hill, user			Run: 8.43					Inc. Mon Sep 27 15	
					ID	:MEGE0yok	3muK445KPkjY3S	yZPH2-iGFrPP(C3Pclgl0vHjAFvpC8	10H55mwdtnqt_zgyZF
							1			9-5-12
				4-8-1	А			9-0-9		
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cale = 1:25.2			<u></u>			9-	5-12			
		On a sin n		001		DEE!		1/-l fl /-		
oading CLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.18	DEFL Vert(LL)	in (loc) n/a -	l/defl L/c n/a 999		GRIP 244/190
CDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(TL)	n/a -	n/a 999)	
CLL CDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2015/TPI2014	WB Matrix-MS	0.12	Horiz(TL)	0.00 3	n/a n/a	Weight: 33 lb	FT = 20%
				Math/mo					Weight: 00 lb	
UMBER					BRACING					
	SP No.1 SP No.1				TOP CHO BOT CHO				lirectly applied or I or 6-0-0 oc braci	9-5-12 oc purlins.

0111LI\3 2.4 C	
REACTIONS (lb/size)	1=38/9-5-12, (min. 0-1-8), 3=43/9-5-12, (min. 0-1-8), 4=677/9-5-12, (min. 0-1-8)
Max Ho	iz 1=54 (LC 10)
Max Up	ift 1=-19 (LC 21), 3=-16 (LC 20), 4=-110 (LC 11)
Max Gra	av 1=75 (LC 20), 3=79 (LC 21), 4=677 (LC 1)
FORCES (It) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHORD 2-	10=-42/306, 2-11=-40/299
WEBS 2-	4=-512/130

NOTES

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

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 2) and C-C Exterior (2) 0-0-6 to 3-0-6, Interior (1) 3-0-6 to 4-9-4, Exterior (2) 4-9-4 to 7-9-4, Interior (1) 7-9-4 to 9-6-2 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

installed during truss erection, in accordance with Stabilizer

Installation guide.

3)

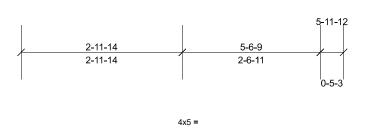
Gable requires continuous bottom chord bearing. * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 4) any other members.

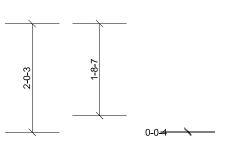
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 16 lb uplift at joint 3 and 110 lb uplift at joint 4.

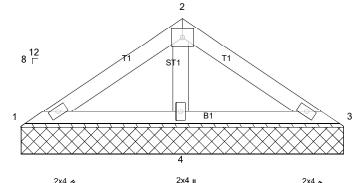
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	Compton Resd-Roof
Q-2102258-1	V4	Valley	1	1	Job Reference (optional)

Run: 8.43 S Feb 3 2021 Print: 8.430 S Feb 3 2021 MiTek Industries, Inc. Mon Sep 27 15:27:35 Page: 1 ID:MEGE0yok8muK445KPkjY3SyZPH2-iGFrPPC3PclgI0vHjAFvpC82nH6Ymxmtnqt_zgyZPBM







5-11-12



Scale = 1:21.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	тс	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MP							Weight: 20 lb	FT = 20%

LUMBER

 TOP CHORD
 2x4 SP No.1

 BOT CHORD
 2x4 SP No.1

 OTHERS
 2x4 SP No.3

 REACTIONS (lb/size)
 1=51/5-11-12, (min. 0-1-8), 3=55/5-11-12, (min. 0-1-8), 4=373/5-11-12, (min. 0-1-8)

 Max Horiz
 1=-33 (LC 9) Max Uplift
 1=-2 (LC 11), 3=-3 (LC 11), 4=-54 (LC 11)

Max Grav 1=68 (LC 20), 3=71 (LC 21), 4=373 (LC 1)

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

NOTES

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

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 2 lb uplift at joint 1, 3 lb uplift at joint 3 and 54 lb uplift at joint 4.

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.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-11-12 oc purlins. 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.