Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 48498 JOB: 24-4143-R01 JOB NAME: LOT 8 PROVIDENCE CREEK Wind Code: ASCE7-16 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 35 These truss designs comply with IRC 2015 as well as IRC 2018. 23 Truss Design(s)

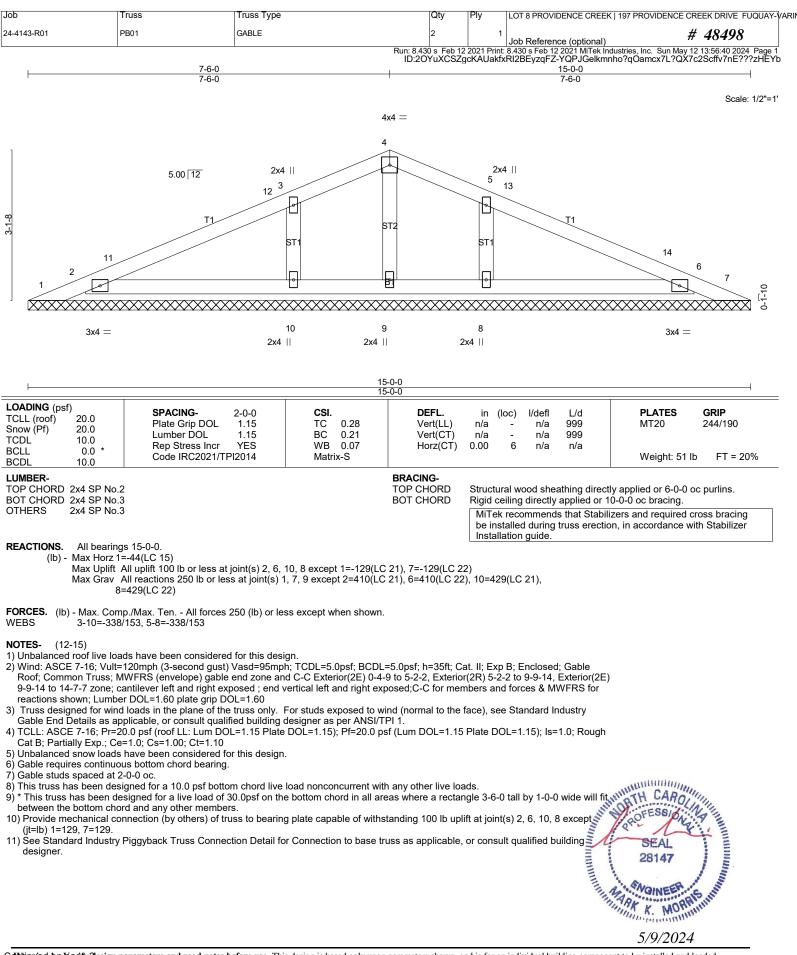
Trusses:

PB01, PB02, R01, R02, R03, R03A, R04, R05, R07, R08, R09, R10, R11, VT01, VT02, VT03, VT04, VT05, VT06, VT07, VT08, VT09, VT10



Warning !--- Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for*



Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197 PI	ROVIDENCE CREEK DRIVE FUQUAY-VAP
24-4143-R01	PB01	GABLE	2	1	Job Reference (optional)	# 48498
		Run: 8.43	30 s Feb 12	2021 Print:	8.430 s Feb 12 2021 MiTek Industries,	Inc. Sun May 12 13:56:41 2024 Page 2

D:20YuXCSZgcKAUakfxRI2BEyzqFZ-0dzhU_IMX4pfc_zmKJTMtCzit00h62VMRzYXRzHEYa

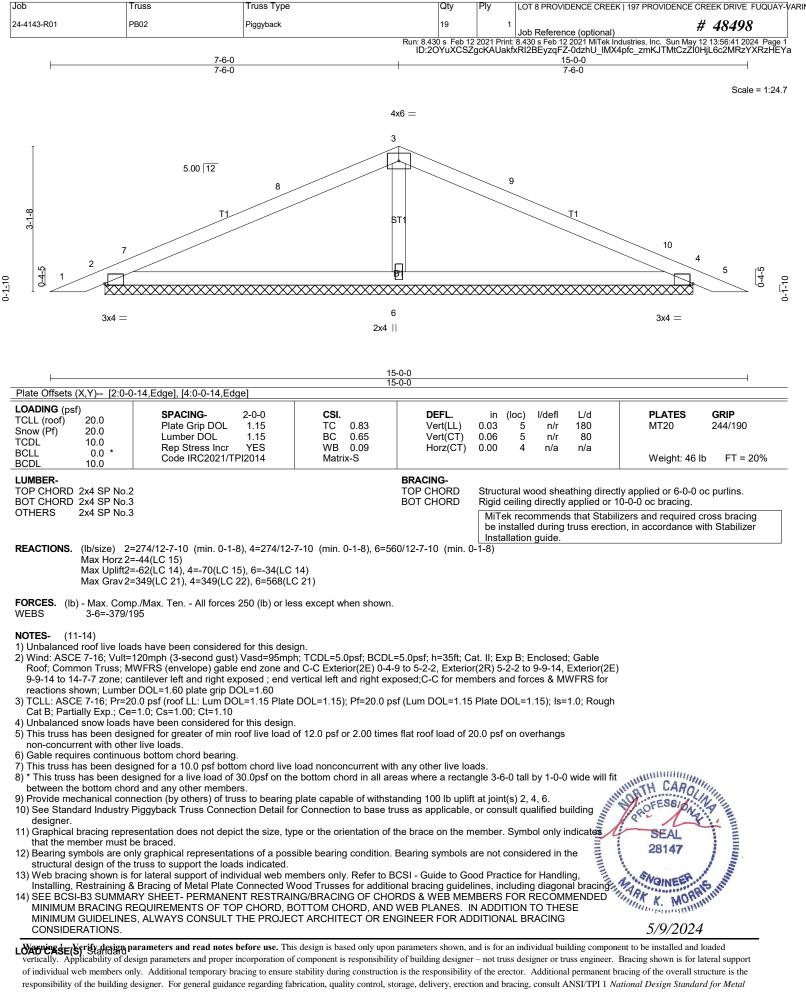
Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

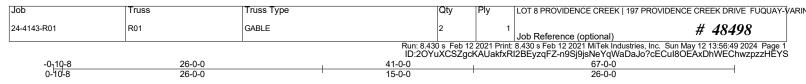
15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

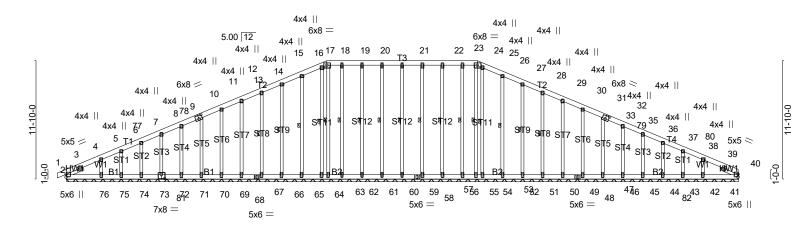


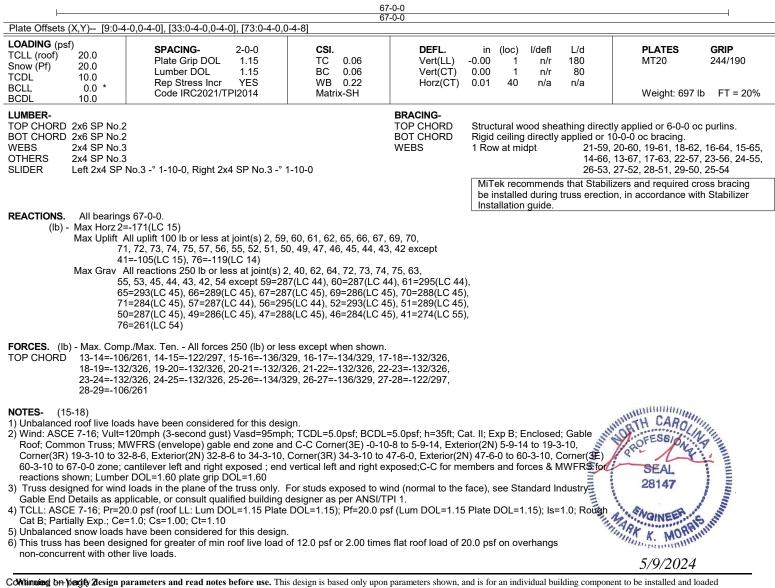


responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Met Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Scale = 1:114.9





Job	Truss	Truss Type	Qty Ply LOT 8 PROVIDENCE CREEK 197 PROVIDENCE CREEK DRIVE FUQUAY-VAF
24-4143-R01	R01	GABLE	² 1 Job Reference (optional) # 48498
	·	· · · · ·	Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun May 12 13:56:52 2024 Page 2 ID:2OYuXCSZgcKAUakfxRl2BEyzgFZ-Ck8rokuFxTC5RgJuT79xgXwedSBeQ2Fguf8dQlzHEYP

NOTES- (15-18)

7) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.

8) Provide adequate drainage to prevent water ponding.

9) All plates are 3x6 MT20 unless otherwise indicated.

10) Gable requires continuous bottom chord bearing.

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

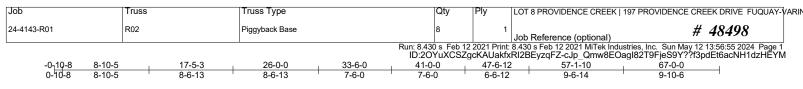
12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 13) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 59, 60, 61, 62, 65, 66, 67, 69, 70, 71, 72, 73, 74, 75, 57, 56, 55, 52, 51, 50, 49, 47, 46, 45, 44, 43, 42 except (jt=lb) 41=105, 76=119.
- 15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated
- 17) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 18) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

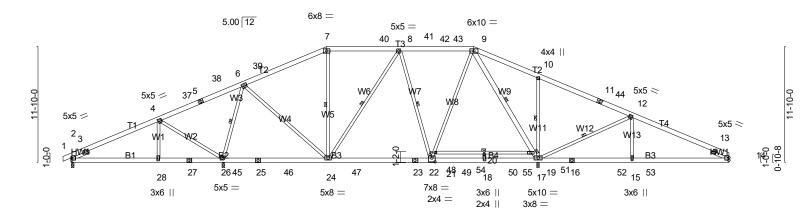
LOAD CASE(S) Standard



5/9/2024



Scale = 1:117.4



Prate Offsets (XY)- IZ2-04-0.04-8] ICADING (browning) SPACING- 2-0-0 CSL DEFL in (loc) Viet (L) 0.3120-21 9899 240 Sow (P) 10.0 Lumber DOL 1.15 EV 0.65 Vert(L) 0.3120-21 9899 240 MI20 244190 Sow (P) 10.0 Code IRC2021/TPI2014 Marx-MSH Marx-MSH Weight: 525 lb FT = 20% UMBER TOD (HORD 2x6 SP No.2 EXACING- TOD (HORD 2x6 SP No.2 SPLot rail wood sheathing directly applied or 6-0-0 cp utiles. Rigid ceiling directly applied or 6-0-0 cp utiles. BOT CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 WEBS Structural wood sheathing directly applied or 6-0-0 cp utiles. BOT CHORD 2x6 SP No.3 BS 2x60 SP No.2 WEBS Structural wood sheathing directly applied or 6-0-0 cp utiles. SLIDER Left 2x4 SP No.3 *1-11-0 Rigid ceiling directly applied or 6-0-0 cp utiles. SLIDER Left 2x4 SP No.2 WEBS Structural wood sheathing directly applied or 6-0-0 cp utiles. Rigid ceiling directly applied or 6-0-0 cp utiles. Tot	F	<u>8-10-5</u> 8-10-5	15-5-12	26-0-0		<u>36-6-12</u> 10-6-12	42-0-12	47-6-12	57-1-10 9-6-14	67-0-0	
TCLL (roof) 20.0 PALING-2000 CSI. DEFL. In (loc) PLATES CRUP Snow (P) 20.0 Lumber DOL 1.15 BC 0.69 Vert(L1) -0.31 20-21 >989 240 MT20 2441/190 BCLL 0.0* Rep Stress Incr VES WB 0.39 Horz(CT) -0.43 20-21 >893 180 BCLL 0.0* Code IRC2021/TPI2014 Matrix-MSH BRACING- Weight: 525 lb FT = 20% LUMBER. TOP CHORD 2x6 SP No.2 BRACING- TOC CHORD 2x6 SP No.3 *Except* BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x6 SP No.3 *Except* WEBS Left 2x4 SP No.3 * Except* WEBS G-0 oc bracing: 19-21 Row at midpt 6-26, 7-24, 8-24, 8-22, 9-19, 10-17, 12-17 WEBS 2x4 SP No.3 * Except Mo.3 * 1-11-0. WEBS WEBS Max Horz 2=172/LC 14) Matrix-MSH REACTIONS. All bearings 0-3-8 except (li=length) 14=Mechanical. (b) Max Horz 2=172/LC 14) Max Logit fuss erection, in accordance with Stabilizer Installed during truss erection, in accordance with Stabilizer Installed during truss erection, in accordance with Stabilizer Installed during truss erection, in accordance with Stabilizer St	Plate Offsets (4-0,0-4-8]								
LUMBER- TOP CHORD 2x6 SP No.2 BRACING- TOP CHORD 2x6 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x6 SP No.2 BRACING- TOP CHORD 2x6 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x6 SP No.3 * 5xcept BOT CHORD 2x6 SP No.3 * 5xcept Structural wood sheathing directly applied or 9-8-5 oc bracing. Except: 6-0-0 oc bracing: 19-21 WEBS 2x4 SP No.3 * 5xcept WEBS WEBS 1000 Crack of the commends tabilizers and required cross bracing. be installed during truss erection, in accordance with Stabilizer Installation guide. REACTIONS. All bearings 0-3-8 except (it=length) 14=Mechanical. (ib) - Max Horz 2=172(LC 14) Max Uplift All uplift 100 lb or less at joint(s) except 2=-102(LC 14), 26=-229(LC 14), 17=-146(LC 15), 14=-126(LC 15) Max Grav All reactions 250 lb or less at joint(s) except 2=628(LC 41), 26=2357(LC 45), 17=3149(LC 45), 14=664(LC 43) FORCES. (ib) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-394(0, 34=-694/117, 6-38=0/293, 6-39=-1177/275, 7-39=-1127/305, 7-40=-1040/327, 40-41=-1040/327, 8-42=-118/2/89, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-43=	TCLL (roof) Snow (Pf) TCDL BCLL	20.0 20.0 10.0 0.0 *	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB	0.67 0.93	Vert(LL) Vert(CT)	-0.31 20-21 -0.43 20-21	>999 240 >893 180	MT20	244/190
 (lb) - Max Horz 2=172(LC 14) Max Uplift All uplift 100 lb or less at joint(s) except 2=-102(LC 14), 26=-229(LC 14), 17=-146(LC 15), 14=-126(LC 15), 14=-126(LC 15), 14=-126(LC 15), 15) Max Grav All reactions 250 lb or less at joint(s) except 2=628(LC 41), 26=2357(LC 45), 17=3149(LC 45), 14=664(LC 43) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-394/0, 3-4=-694/117, 6-38=0/293, 6-39=-1177/275, 7-39=-1127/305, 7-40=-1040/327, 40-41=-1040/327, 8-41=-1040/327, 8-42=-1182/289, 9-43=-1182/289, 9-43=-1182/289, 9-10=-29/454, 10-11=0/479, 11-44=0/261, 12-13=-863/204, 13-14=-401/0 BOT CHORD 2-28=-191/580, 27-28=-191/580, 26-27=-191/580, 26-45=-42/415, 25-45=-42/415, 25-45=-42/415, 25-46=-42/415, 24-46=-42/415, 24-47=-19/1310, 23-47=-19/1310, 23-47=-19/1310, 23-47=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-49=0/839, 18-50=0/839, 50-51=0/839, 17-51=0/839, 16-17=-101/731, 16-52=-101/731, 15-52=-101/731, 15-53=-101/731, 14-53=-101/731 WEBS 4-28=0/286, 4-26=-816/239, 6-26=-1684/299, 6-24=-17/1003, 8-24=-455/59, 8-22=-553/197, 21-22=-54/1139, 9-21=-28/1256, 9-19=-1829/158, 17-19=-1920/133, 10-17=-865/263, 12-17=-1114/287, 12-15=0/280, 18-20=-360/0 	LUMBER- TOP CHORD BOT CHORD WEBS SLIDER	2x6 SP No.2 2x6 SP No.2 B4: 2x6 SP I 2x4 SP No.3 W9: 2x6 SP Left 2x4 SP I	*Except* DSS, B5: 2x4 SP No.2 *Except* No.2 No.3 -° 1-11-0, Right 2x				TOP CHORD BOT CHORD	Rigid ceiling 6-0-0 oc bra 1 Row at mid MiTek reco be installed	directly applied or 9 cing: 19-21 dpt 6-26, 7 ommends that Stabil d during truss erection)-8-5 oc bracing. Ex 7-24, 8-24, 8-22, 9-19 izers and required cr	cept: 9, 10-17, 12-17 oss bracing
TOP CHORD 2-3=-394/0, 3-4=-694/117, 6-38=0/293, 6-39=-1177/275, 7-39=-1127/305, 7-40=-1040/327, 40-41=-1040/327, 8-41=-1040/327, 8-42=-1182/289, 42-43=-1182/289, 9-43=-1182/289, 9-10=-29/454, 10-11=0/479, 11-44=0/261, 12-13=-863/204, 13-14=-401/0 BOT CHORD 2-28=-191/580, 27-28=-191/580, 26-27=-191/580, 26-45=-42/415, 25-45=-42/415, 25-46=-42/415, 24-46=-42/415, 24-47=-19/1310, 23-47=-19/1310, 23-48=-19/1310, 22-48=-19/1310, 22-49=0/839, 18-49=0/839, 18-50=0/839, 50-51=0/839, 17-51=0/839, 16-17=-101/731, 16-52=-101/731, 15-52=-101/731, 14-53=-101/731 WEBS 4-28=0/286, 4-26=-816/239, 6-26=-1684/299, 6-24=-17/1003, 8-24=-455/59, 8-22=-553/197, 21-22=-54/1139, 9-21=-28/1256, 9-19=-1829/158, 17-19=-1920/133, 10-17=-865/263, 12-17=-1114/287, 12-15=0/280, 18-20=-360/0		Max Horz 2= Max Uplift A 15 Max Grav A	172(LC 14) Il uplift 100 lb or less at) Il reactions 250 lb or le	joint(s) excep	ot 2=-102(L	,,		(),	,		
BOT CHORD 2-28=-191/580, 27-28=-191/580, 26-27=-191/580, 26-45=-42/415, 25-45=-42/415, 25-46=-42/415, 25-46=-42/415, 24-46=-42/415, 24-47=-19/1310, 23-47=-19/1310, 23-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-48=-19/1310, 22-49=0/839, 18-50=0/839, 50-51=0/839, 17-51=0/839, 16-17=-101/731, 16-52=-101/731, 15-52=-101/731, 14-53=-101/731 WEBS 4-28=0/286, 4-26=-816/239, 6-26=-1684/299, 6-24=-17/1003, 8-24=-455/59, 8-22=-553/197, 21-22=-54/1139, 9-21=-28/1256, 9-19=-1829/133, 10-17=-865/263, 12-17=-1114/287, 12-15=0/280, 18-20=-360/0		2-3=-394/0 40-41=-104	, 3-4=-694/117, 6-38=0/ 0/327, 8-41=-1040/327	293, 6-39=-11 , 8-42=-1182/2	77/275, 7-3 289, 42-43=	39=-1127/30 1182/289,	9-43=-1182/289,	7,			
WEBS 4-28=0/286, 4-26=-816/239, 6-26=-1684/299, 6-24=-17/1003, 8-24=-455/59, 8-22=-553/197, 21-22=-54/1139, 9-21=-28/1256, 9-19=-1829/158, 17-19=-1920/133, 10-17=-865/263, 12-17=-1114/287, 12-15=0/280, 18-20=-360/0	BOT CHORD	2-28=-191/ 25-46=-42/ 22-48=-19/	580, 27-28=-191/580, 2 415, 24-46=-42/415, 24 1310, 22-49=0/839, 18-	6-27=-191/58 -47=-19/1310 49=0/839, 18-	0, 26-45=-4 23-47=-19 50=0/839,	2/415, 25-4 /1310, 23-4 50-51=0/83	5=-42/415, 8=-19/1310, 9, 17-51=0/839,				
 NOTES- (13-16) 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10.8 to 5-9-14, Interior(1) 5-9-14 to 19-3-10, Exterior(2E) 60-3-10, Exterior(2E) 19-3-10 to 32-8-6, Interior(1) 32-8-6 to 34-3-10, Exterior(2R) 34-3-10 to 47-6-12, Interior(1) 47-6-12 to 60-3-10, Exterior(2E) 60-3-10 to 57-0-0 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 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Reugh Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this design. 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 		4-28=0/286 21-22=-54 12-17=-111	5, 4-26=-816/239, 6-26= (1139, 9-21=-28/1256, 9 4/287, 12-15=0/280, 18	-1684/299, 6⊰ 9-19=-1829/15 3-20=-360/0	24=-17/100 8, 17-19=-	3, 8-24=-45 1920/133, 10	5/59, 8-22=-553/1)-17=-865/263,				
	3) TCLL: ASCI Cat B; Partia 4) Unbalanced 5) This truss h	E 7-16; Pr=20 ally Exp.; Ce= I snow loads l as been desig	0.0 psf (roof LL: Lum DC =1.0; Cs=1.00; Ct=1.10 have been considered f gned for greater of min	DL=1.15 Plate	DOL=1.15)	; Pt=20.0 ps	st (Lum DOL=1.15	Plate DOL=1	Inclosed; Gable 3-10, Exterior(2R) or(2E) 60-3-10 to FRS for reactions .15); Is=1.0; Rough erhangs	SEAL 28147	A DE TO DE T

Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK	197 PROVIDENCE CREEK DRIVE FUQUAY-VARIN
24-4143-R01	R02	Piggyback Base	8	1	Job Reference (optional)	# 48498
						ustries, Inc. Sun May 12 13:56:55 2024 Page 2 agI82T9FjeS9Y??f3pdEt6acNH1dzHEYM

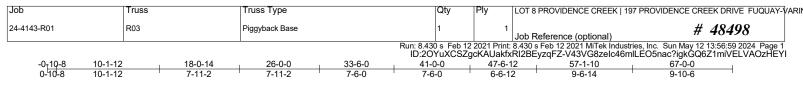
NOTES- (13-16)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x6 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 2, 229 lb uplift at joint 26, 146 lb uplift at joint 17 and 126 lb uplift at joint 14.
- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

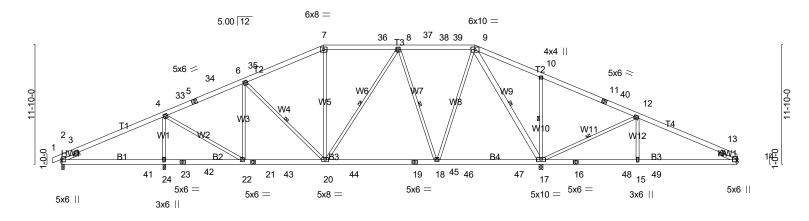
LOAD CASE(S) Standard



5/9/2024



Scale = 1:114.3



<u> </u>		26-0-0 7-11-2	37-2-1 11-2-1		47-6-12 10-4-0	_	57-1-10 9-6-14	67-0-0 9-10-6	
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCDL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/7	1.15 1.15 YES	CSI. TC 0.71 BC 0.64 WB 1.00 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.13 24-27 -0.29 18-20 0.04 17	l/defl >904 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 512 I	GRIP 244/190 D FT = 20%
LUMBER- TOP CHORD 2x6 SP No BOT CHORD 2x6 SP No B4: 2x6 S WEBS 2x4 SP No W9: 2x6 S	0.2 *Except* P DSS 0.3 *Except*	x4 SP No.3 -° 1-11-0		BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling 1 Row at mi MiTek rec	directly dpt ommend d during	applied or 1 6-20, 8 s that Stabil	dy applied or 5-1-12 of 0-0-0 oc bracing. 3-20, 8-18, 9-17, 10-1 izers and required cr on, in accordance wit	7, 12-17 oss bracing
·		at joint(s) except 2=-1	(<i>'</i> ,		(<i>//</i>	``			
6-34=-15 8-37=-14	mp./Max. Ten All force: /455, 3-4=-559/466, 4-33 /26/474, 6-35=-1632/452 .33/488, 8-38=-1161/386 /576, 11-40=0/384, 12-40	3=-1719/447, 5-33=-1 , 7-35=-1551/480, 7-3 , 38-39=-1161/386, 9	650/451, 5-34= 6=-1433/488, 3 -39=-1161/386,	-1638/456, 6-37=-1433/488, 9-10=0/576,					
21-22=-2 19-45=- 16-17=-5 WEBS 4-24=-12	3/443, 24-41=-363/443, 2 (63/1492, 21-43=-263/14) 44/1412, 18-45=-144/14 (6/699, 16-48=-96/699, 1 06/255, 4-22=0/1338, 6- 1/258, 9-18=-137/1383, 9 397	92, 20-43=-263/1492 12, 18-46=-20/780, 4 5-48=-96/699, 15-49= 22=-485/72, 6-20=-32	20-44=-144/14 6-47=-20/780, 1 -96/699, 14-49 28/311, 7-20=0/2	12, 19-44=-144/14 7-47=-20/780, =-96/699 281, 8-20=-80/485	,				
3) TCLL: ASCE 7-16; Pr=	t=120mph (3-second gus RS (envelope) gable end rior(1) 32-8-6 to 34-3-10, r left and right exposed ; shown; Lumber DOL=1.6 ;20.0 psf (roof LL: Lum D ce=1.0; Cs=1.00; Ct=1.10 is have been considered esigned for greater of min	OL=1.15 Plate DOL=) for this design.	1.15); Pf=20.0 p	osf (Lum DOL=1.1	5 Plate DOL=1	.15); ls=	t; Gable (terior(2R) 0-3-10 terior orces & 1.0; Rough	SEAL 28147 5/9/2024	HILL A THE REAL AND

Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK	197 PROVIDENCE CREEK DRIVE FUQUAY-VARIN
24-4143-R01	R03	Piggyback Base	1	1	Job Reference (optional)	# 48498
						ustries, Inc. Sun May 12 13:56:59 2024 Page 2 6mlLEO5nac?igkGQ6Z1miVELVAOzHEYI

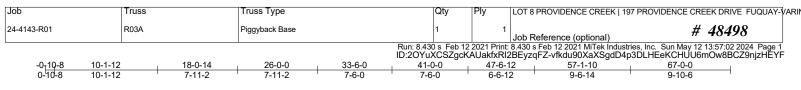
NOTES- (13-16)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 2, 187 lb uplift at joint 24, 245 lb uplift at joint 17 and 125 lb uplift at joint 14.
- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

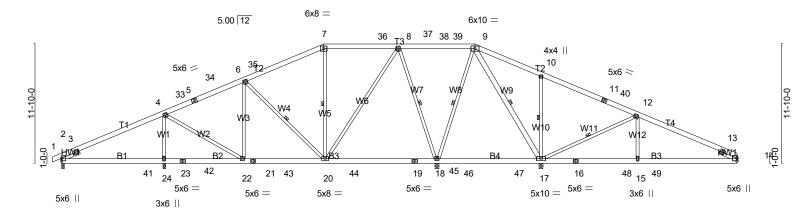
LOAD CASE(S) Standard



5/9/2024



Scale = 1:114.3



—	10-1-12	18-0-14		26-0-0		37-2-12	2	47-6-12		57-1-10 9-6-14	67-0-0 9-10-6
LOADING (psf TCLL (roof) Snow (Pf) TCDL BCLL	f) 20.0 20.0 10.0 0.0 *	SPACING- Plate Grip D Lumber DOI Rep Stress	OL 1 _ 1	0-0 .15 .15 ⁄ES	CSI. TC BC WB	0.69 0.56 0.98	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.13 24-27 -0.23 18-20 0.02 2	l/defl >903 >999 n/a	L/d 240 180 n/a	PLATES GRIP MT20 244/190
BCDL	10.0	Code IRC20	21/TPI2	014	Mati	rix-MSH					Weight: 512 lb FT = 20%
LUMBER- TOP CHORD BOT CHORD	2x6 SP No.2 2x6 SP No.2 * B4: 2x6 SP D						BRACING- TOP CHORD BOT CHORD		directly	applied or 1	tly applied or 5-10-15 oc purlins. 10-0-0 oc bracing, Except:
WEBS	2x4 SP No.3 *						WEBS	1 Row at mi		,	7-20, 8-18, 9-18, 9-17, 10-17, 12-17
SLIDER	W9: 2x6 SP N Left 2x4 SP N	lo.2 lo.3 -° 1-11-0, Rig	ht 2x4 S	P No.3 -° 1	11-0				d during		lizers and required cross bracing on, in accordance with Stabilizer
REACTIONS. (lb) -	Max Horz 2=1 Max Uplift Al 15) Max Grav Al	l uplift 100 lb or le , 14=-124(LC 15)	ess at joir or less a	nt(s) except at joint(s) ex	2=-197(L	,,	168(LC 14), 18=-1 24=1555(LC 45), 1			С	
FORCES. (Ib) TOP CHORD BOT CHORD	2-3=-373/45 6-34=-1042/ 8-37=-701/3 11-40=0/271 2-41=-372/4 21-22=-201/ 19-45=-8/37	1, 12-13=-896/195 91, 24-41=-372/4 1067, 21-43=-20 9, 18-45=-8/379,	4-33=-12 52, 7-35 , 38-39= , 13-14= 91, 24-4 /1067, 2 16-17=-9	279/380, 5-3 =-762/379, -39/300, 9-3 :-464/0 2=-372/491 20-43=-201/	33=-1194/ 7-36=-70 ⁻ 39=-39/30 , 23-42=-(1067, 20-	/384, 5-34=- 1/395, 36-37 10, 9-10=-29 372/491, 22 44=-8/379,	1179/388, 7=-701/395, /465, 10-11=0/480 -23=-372/491, 19-44=-8/379,),			
WEBS	4-24=-1246/	61, 14-49=-93/76 236, 4-22=0/755, 2, 9-17=-319/51,	6-20=-5								
professiona	I for the desigr	n and inspection of	of the ten	nporary inst	allation re	straint/braci	ing and the perma	nent individual	l truss m	nember -	SEAL 28147 5/9/2024
											<i>.,,,</i> ,
Convanuited on V		rameters and read	notes befo	ore use. This	design is ba	e, handling, d ased only upor	erection, or bracing n parameters shown.	g. and is for an indi	vidual bu	ilding compon	ent to be installed and loaded
											ent to be installed and loaded Bracing shown is for lateral support

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197 PROVID	DENCE CREEK DRIVE FUQUAY-	/ARII
24-4143-R01	R03A	Piggyback Base	1	1	Job Reference (optional)	# 48498	
					: 8.430 s Feb 12 2021 MiTek Industries, Inc. S akfxRI2BEyzqFZ-NsI?5V09LraXFMf?dxs		

NOTES- (13-16)

7) Provide adequate drainage to prevent water ponding.

8) All plates are 5x5 MT20 unless otherwise indicated.

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

10) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2, 168 lb uplift at joint 24, 162 lb uplift at joint 18, 272 lb uplift at joint 17 and 124 lb uplift at joint 14.

13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

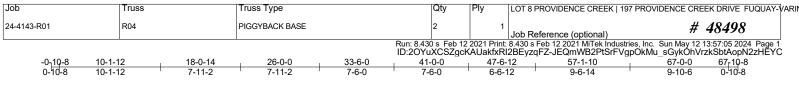
15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

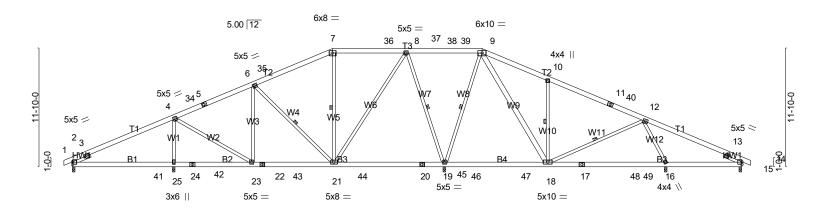
LOAD CASE(S) Standard



5/9/2024



Scale = 1:115.3



F	<u>10-1-12</u> 10-1-12	<u>18-0-14</u> 7-11-2	26-0-0		7-2-12 -2-12	47-6-12		<u>59-4-4</u> 11-9-8	67-0-0	
LOADING (psf	f)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf)	20.0 20.0	Plate Grip DOL	1.15	TC 0.63	Vert(LL)	0.13 25-28	>904	240	MT20	244/190
TCDL	10.0	Lumber DOL Rep Stress Incr	1.15 YES	BC 0.56 WB 0.99	Vert(CT) Horz(CT)	-0.23 19-21 0.03 16	>999 n/a	180 n/a		
BCLL BCDL	0.0 * 10.0	Code IRC2021/T		Matrix-MSH		0.03 10	II/a	n/a	Weight: 515 lb	FT = 20%
LUMBER-					BRACING-					
	2x6 SP No.2 2x6 SP No.2 *E B4: 2x6 SP DS				TOP CHORD BOT CHORD WEBS		g directly a	pplied or 10	y applied or 5-11-14)-0-0 oc bracing. -21, 8-19, 9-19, 10-1	•
	2x4 SP No.3 *E					MiTek rec	ommends	that Stabiliz	zers and required cro	oss bracing
	W9: 2x6 SP No Left 2x4 SP No	o.2 o.3 -° 1-11-0, Right 2x	4 SP No.3 -° 1-1	1-0		be installe Installation		uss erectior	n, in accordance with	n Stabilizer
	. 11), Max Grav All			x			· ·	(LC		
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-372/461, 3-4=-608/480, 4-34=-1244/378, 5-34=-1174/383, 5-6=-1030/406, 6-35=-874/346, 7-35=-745/374, 7-36=-686/390, 36-37=-686/390, 8-37=-686/390, 8-38=0/335, 33=39=0/335, 9-10=-941/395, 10-11=-793/283, 11-40=-854/259, 12-40=-933/249, 12-13=-362/352, 13-14=-60/277 BOT CHORD 2-41=-359/487, 25-41=-359/487, 24-42=-359/487, 23-24=-359/487, 22-23=-181/1052, 22-43=-181/1052, 21-43=-6/375, 20-44=-6/375, 20-44=-6/375, 20-45=-6/375, 17-18=-270/664, 17-48=-270/664, 48-49=-270/664,										
WEBS	4-25=-1222/2	64, 14-16=-241/266 31, 4-23=0/737, 6-21 30, 9-18=-262/1203,								
professional <u>restraint/bra</u>	I roóf live loads E 7-16; Vult=12/ russ; MWFRS (32-8-6, Interior(1 e; cantilever lef WFRS for reacti E 7-16; Pr=20.0 ally Exp.; Ce=1. d snow loads ha as been design rent with other li This long spar n guidance, see uced by SBCA a I for the design cong. MiTek as	have been considere 0mph (3-second gust envelope) gable end 1) 32-8-6 to 34-3-10, 1 ft and right exposed; ons shown; Lumber I 0 psf (roof LL: Lum DC 0; Cs=1.00; Ct=1.10 ve been considered f ed for greater of min ve loads. n truss requires extrer 6 Guide to Good Pract and TPI. The building and inspection of the sumes no responsibil	e temporary insta ility for truss man	llation restraint/b nufacture, handlii	oracing and the permain org, erection, or bracir	anent individua ig.	il truss mei	mber	5/9/2024	
Collitinuing on V	d engiệ y 2 lesign para	ameters and read notes	before use. This d	esign is based only	upon parameters shown,	and is for an ind		· ·		
, ,,		n parameters and proper	•				0	0	e	
responsibility of	of the building desi	Additional temporary bi igner. For general guidant instruction and BCSI 1-0	nce regarding fabric	cation, quality contr	ol, storage, delivery, ere	ction and bracing	, consult AN	ISI/TPI 1 Nat	tional Design Standard	for Metal
				-	2 0					

D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197	PROVIDENCE CREEK DRIVE FUQUAY-
24-4143-R01	R04	PIGGYBACK BASE	2	1	Job Reference (optional)	# 48498
	·					es, Inc. Sun May 12 13:57:06 2024 Page 2 NaI3PDOUVv85r4iBik6qXNwUzHEYB

NOTES- (12-15)

7) Provide adequate drainage to prevent water ponding.

8) All plates are 5x6 MT20 unless otherwise indicated.

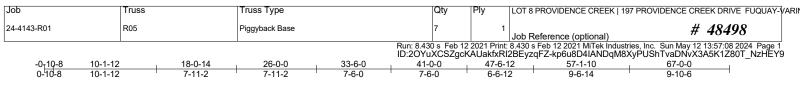
) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 10) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0 psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2, 163 lb uplift at joint 25, 246 lb uplift at joint 19, 180 lb uplift at joint 14 and 110 lb uplift at joint 16.
- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

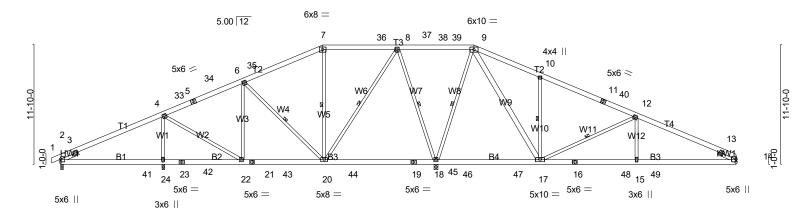
LOAD CASE(S) Standard



5/9/2024



Scale = 1:114.3



	10-1-12 10-1-12	18-0-14 7-11-2	26-0-0 7-11-2		2-12 2-12	47-6-12 10-4-0		57-1-10 9-6-14	67-0-0 9-10-6	———————————————————————————————————————
LOADING (psf) TCLL (roof) Snow (Pf) TCDL BCLL BCDL) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/T	2-0-0 1.15 1.15 YES PI2014	CSI. TC 0.65 BC 0.52 WB 0.98 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.14 24-27 -0.23 18-20 0.03 14	l/defl >894 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 512 II	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS	2x6 SP No.2 2x6 SP No.2 *I B4: 2x6 SP DS 2x4 SP No.3 *I W7: 2x4 SP No	SS			BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling 6-0-0 oc bra 1 Row at mi MiTek reco	g directly acing: 18 idpt ommend d during	applied or 1 -20,17-18. 6-20, 1 Is that Stabil	tly applied or 5-1-9 oc 10-0-0 oc bracing, E 7-20, 8-20, 8-18, 9-18 lizers and required cro on, in accordance with	, 10-17, 12-17 oss bracing
(lb) -	Max Horz 2=1 Max Uplift All 15) Max Grav All	D-3-8 except (jt=length 72(LC 14) uplift 100 lb or less at reactions 250 lb or le 1016(LC 43)	t joint(s) except	2=-195(LC 10), 2		(<i>//</i>	``	С		
TOP CHORD	2-3=-358/456 6-34=-868/35 8-37=-474/33 11-40=-649/1	Max. Ten All forces 5, 3-4=-580/464, 4-33 38, 6-35=-665/286, 7- 34, 8-38=0/927, 38-39 183, 12-40=-725/174,	=-1082/331, 5-3 35=-517/314, 7- =0/927, 9-39=0 12-13=-1664/31	3=-1012/335, 5-3 36=-474/334, 36- /927, 9-10=-739/3 3, 13-14=-631/0	4=-1003/339, 37=-474/334, 34, 10-11=-590/207,					
BOT CHORD	21-22=-157/8 19-45=-495/2 16-17=-201/1 4-24=-1052/2	32, 24-41=-361/462, 2 399, 21-43=-157/899, 256, 18-45=-495/256, 4461, 16-48=-201/146 233, 4-22=0/561, 6-20 372, 9-18=-1754/267,	20-43=-157/899 18-46=-383/198 1, 15-48=-201/1 =-731/202, 7-20), 20-44=-495/256), 46-47=-383/198 461, 15-49=-201)=-368/83, 8-20=-	, 19-44=-495/256, , 17-47=-383/198, 1461, 14-49=-201/14 165/1324,	461				
 3) TCLL: ASCE Cat B; Partia 4) Unbalanced 5) This truss has 	= 7-16; Pr=20.0 ally Exp.; Ce=1 snow loads ha	have been considere (omph (3-second gust (envelope) gable end 1) 32-8-6 to 34-3-10, f and right exposed ; e vn; Lumber DOL=1.60 0 psf (roof LL: Lum DO .0; Cs=1.00; Ct=1.10 ave been considered f hed for greater of min ive loads.	DL=1.15 Plate D or this design.	OL=1.15); Pf=20	0 psf (Lum DOL=1.1)	5 Plate DOL=1	1.15); Is=	t; Gable (terior(2R) 0-3-10 to orces & 1.0; Reugh	SEAL 28147 5/9/2024	HILLING AND

Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK	197 PROVIDENCE CREEK DRIVE FUQUAY-VA
24-4143-R01	R05	Piggyback Base	7	1	Job Reference (optional)	# 48498
	·					ustries, Inc. Sun May 12 13:57:09 2024 Page 2 hzH69zCzw067O7ItlvYZAoom1XpzHEY8

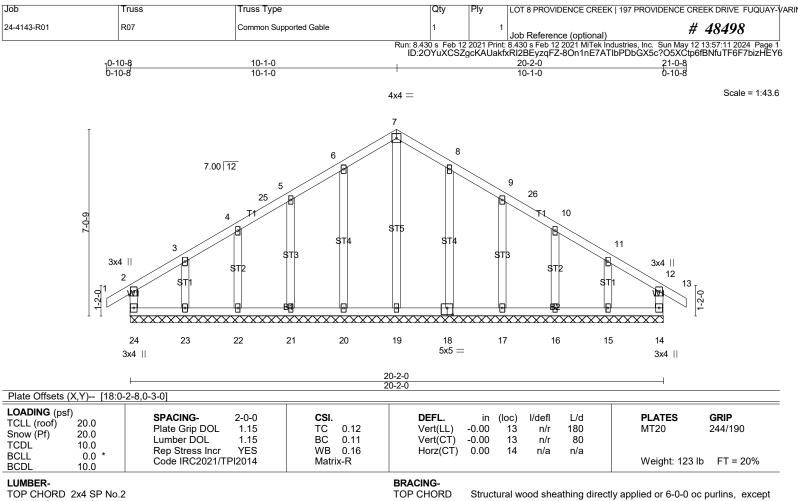
NOTES- (13-16)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2, 164 lb uplift at joint 24, 277 lb uplift at joint 18 and 176 lb uplift at joint 14.
- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



5/9/2024



BOT CHORD 2x4 SP No.3 end verticals 2x4 SP No 3 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing WFBS 2x4 SP No.3 OTHERS MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 20-2-0.

(lb) - Max Horz 24=-171(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15 Max Grav All reactions 250 lb or less at joint(s) 24, 14, 21, 22, 23, 17, 16, 15 except 19=262(LC 27), 20=305(LC

5), 18=302(LC 6)

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

NOTES-(14-17)

1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-1-0, Exterior(2N) 4-1-0 to 5-3-6, Corner(3R) 5-3-6 to 14-10-10, Exterior(2N) 14-10-10 to 16-1-0, Corner(3E) 16-1-0 to 21-0-8 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 10) Gable studs spaced at 2-0-0 co.
 11) This truss has been designed for a 10.0 psf bottom chord inverticed from the bottom chord in all areas where a recommendation of the bottom chord and any other members, with BCDL = 10.0psf.
 12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a recommendation of the bottom chord and any other members, with BCDL = 10.0psf.
 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15.

[Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197 PROVIDENC	E CREEK DRIVE FUQUAY-	/ARII
	24-4143-R01	R07	Common Supported Gable	1	1	Job Reference (optional)	# 48498	
	Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun May 12 13:57:12 2024 Page 2							

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14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

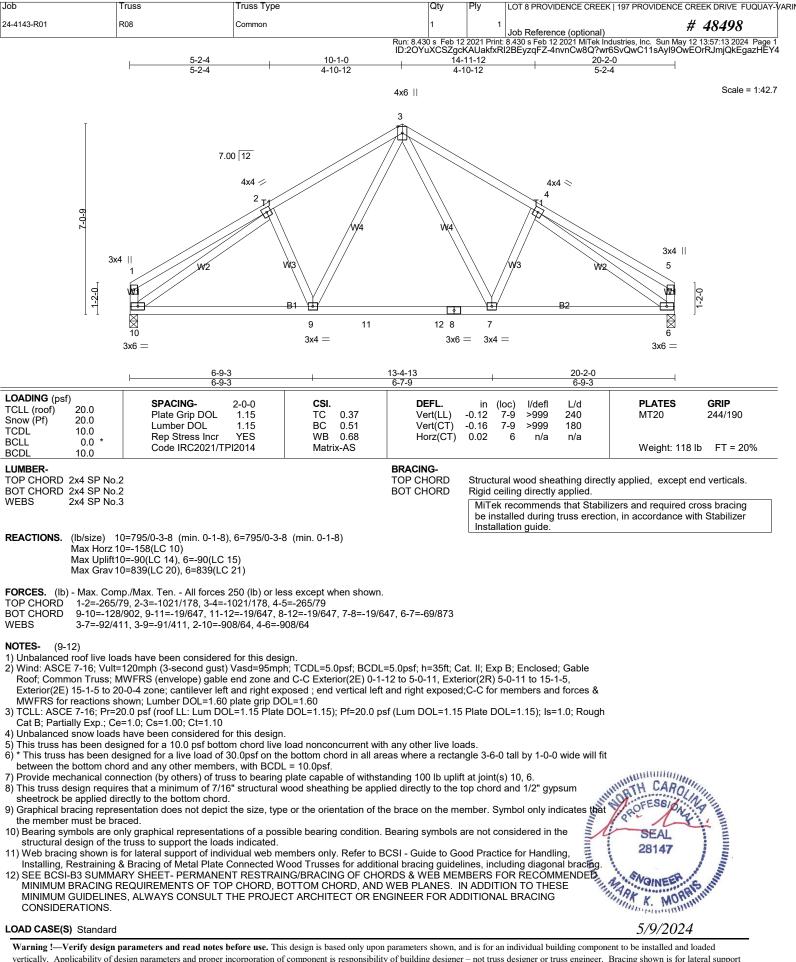
16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

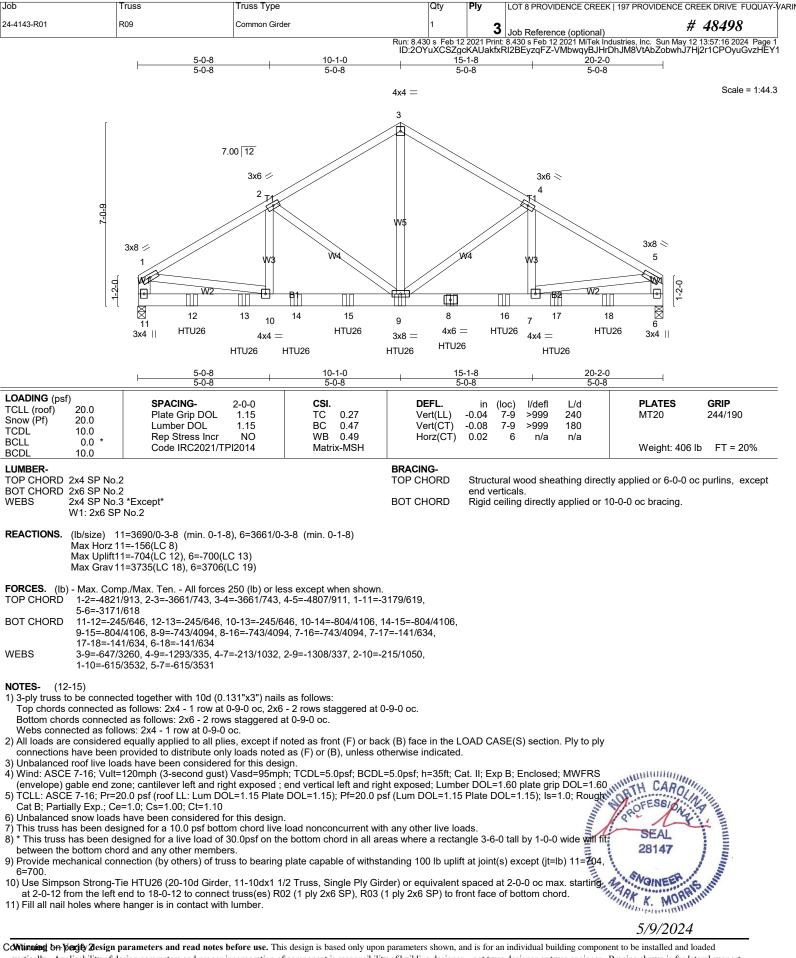
LOAD CASE(S) Standard



5/9/2024



vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197	PROVIDENCE CREEK DRIVE FUQUAY-VAR
24-4143-R01	R09	Common Girder	1	3	Job Reference (optional)	# 48498
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- 12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
- OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

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

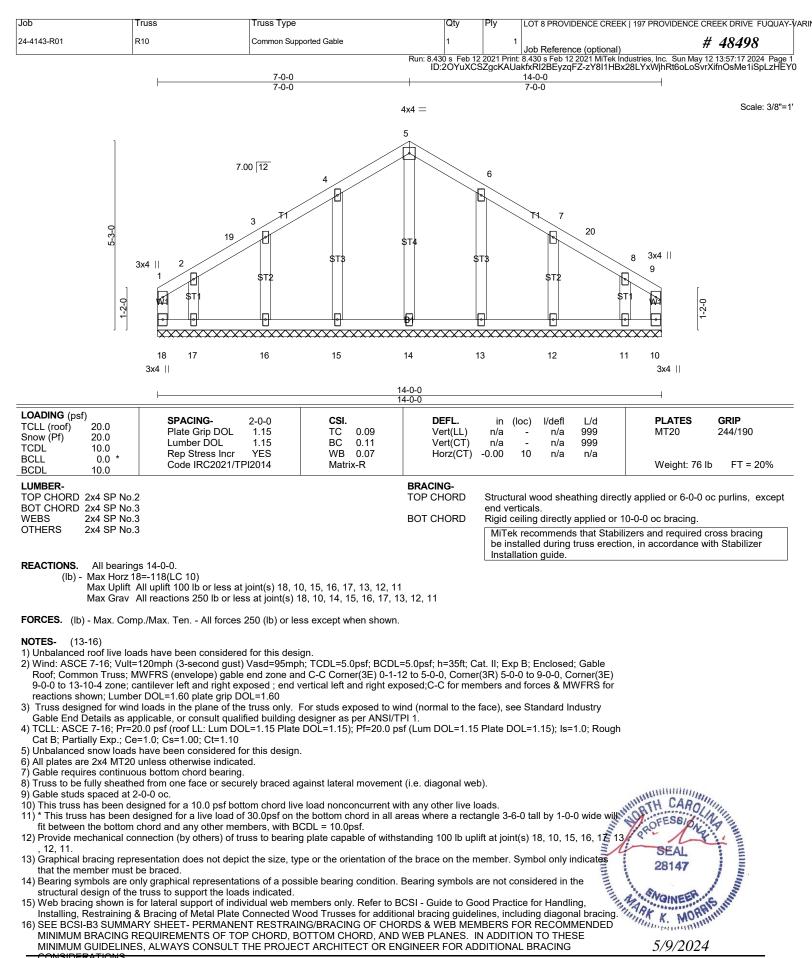
Uniform Loads (plf) Vert: 1-3=-60, 3-5=-60, 6-11=-20

Concentrated Loads (lb)

Vert: 8=-644(F) ⁹=-644(F) 12=-644(F) 13=-644(F) 14=-644(F) 15=-644(F) 16=-644(F) 17=-644(F) 18=-626(F)



5/9/2024



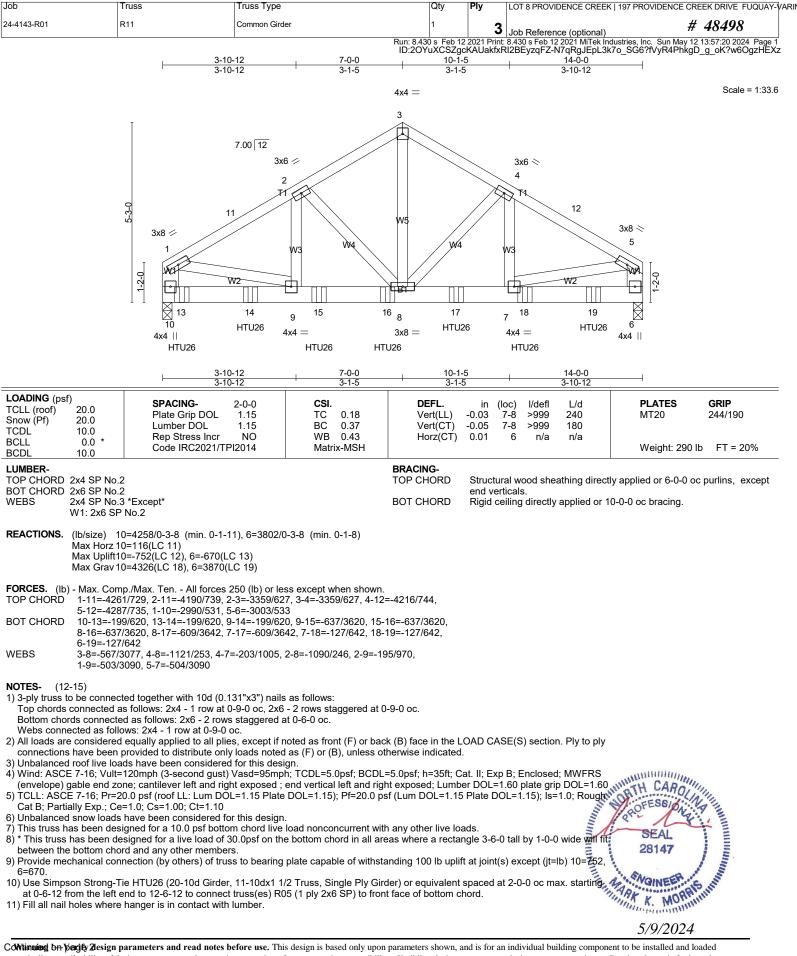
Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197 PROVIDENCE CREEK DRIVE	FUQUAY-VAF
24-4143-R01	R10	Common Supported Gable	1	1	Job Reference (optional) # 48498	}

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LOAD CASE(S) Standard



5/9/2024



Job	Truss	Truss Type	Qty	Ply	LOT 8 PROVIDENCE CREEK 197	PROVIDENCE CREEK DRIVE FUQUAY-VAR
24-4143-R01	R11	Common Girder	1	3	Job Reference (optional)	# 48498
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Sun May 12 13:57:20 2024 Page 2						

ID:20YuXCSZgcKAUakfxRl2BEyzqFZ-N7qRgJEpL3k7o_SG6?fVyR4PhkgD_g_oK?w60gzHEXz

12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-3=-60, 3-5=-60, 6-10=-20 Concentrated Loads (lb)

Vert: 13=-1002(F) 14=-996(F) 15=-996(F) 16=-996(F) 17=-996(F) 18=-996(F) 19=-996(F)



5/9/2024

