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 #: 59707 JOB: 25-4553-R01 JOB NAME: LOT 157 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. *30 Truss Design(s)*

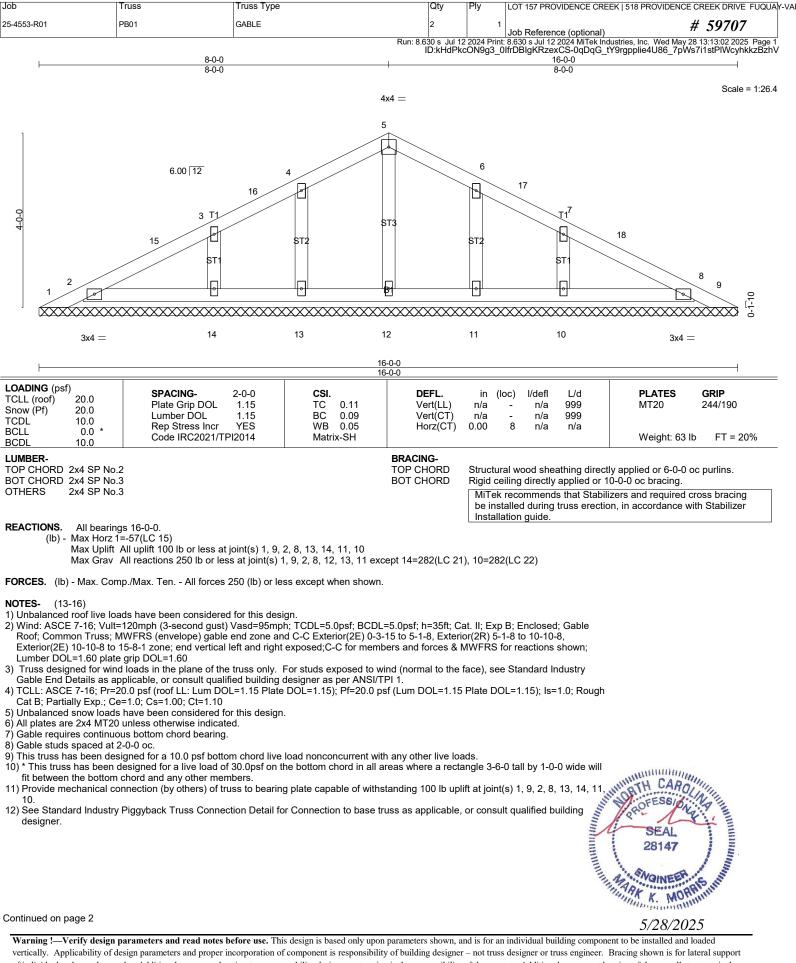
Trusses:

PB01, PB02, PB03, R01, R02, R04, R05, R05A, R06, R07, R07A, R08, R09, R10, R11, R12, R13, SP01, SP02, SP03, SPJ01, SPV01, SPV02, VT01, VT02, VT03, VT04, VT05, VT06, VT07



My license renewal date for the state of North Carolina is 12/31/2025

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



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 157 PROVIDENCE CREEK 518 PROV	IDENCE CREEK DRIVE FUQUAY
25-4553-R01	PB01	GABLE	2	1	Job Reference (optional)	# 59707
		Run: 8.	630 s Jul 12	2 2024 Print	: 8.630 s Jul 12 2024 MiTek Industries, Inc. We	ed May 28 13:13:03 2025 Page 2

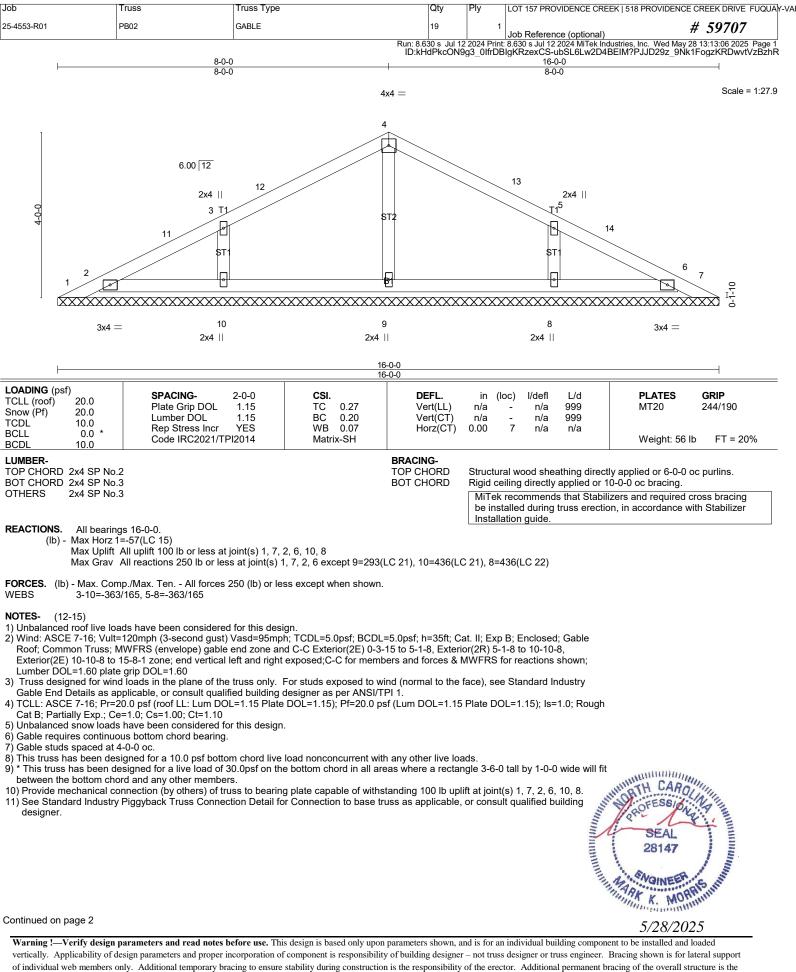
13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are not considered in the structural design of the truss to support the

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) Web blacking shown is to hater support of individual web individual web individual to be of a boot a base of base of boot a base of a base

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 Metal Plate Connected Wood Trusse 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 157 PROVIDENCE CREEK 518 PROVI	DENCE CREEK DRIVE FUQUAY-V
25-4553-R01	PB02	GABLE	19	1	Job Reference (optional)	# 59707
		Run [,] 8.6	30 s Jul 12	2024 Print	8 630 s Jul 12 2024 MiTek Industries Inc. We	d May 28 13 13 06 2025 Page 2

ID:kHdPkcON9g3_0lfrDBlgKRzexCS-ubSL6Lw2D4BEIM?PJJD29z_9Nk1FogzKRDwvtVzBzhR

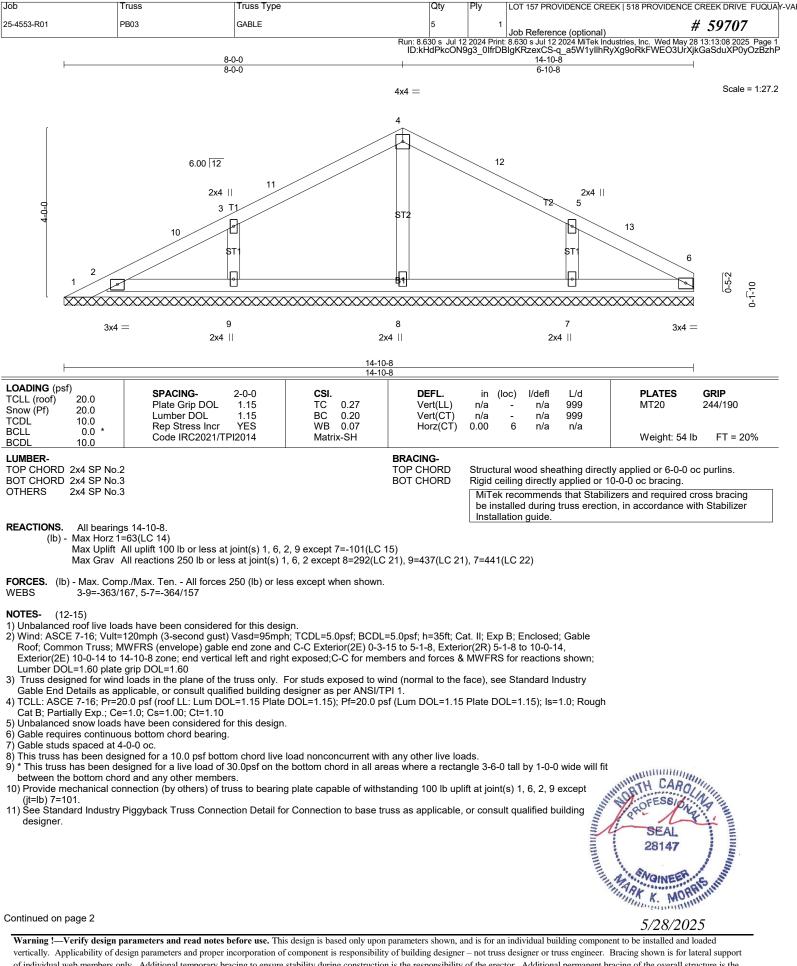
12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural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





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 157 PROVIDENCE CREEK 518 PROVIDE	NCE CREEK DRIVE FUQUA	7-VAF
25-4553-R01	PB03	GABLE	5	1	Job Reference (optional)	# 59707	
		Run: 8.6	30 s. Jul 12	2024 Print	8.630 s Jul 12 2024 MiTek Industries, Inc. Wed I	May 28 13:13:08 2025 Page 2	

ID:kHdPkcON9g3_0lfrDBlgKRzexCS-q_a5W1yllhRyXg9oRkFWEO3UrXjkGaSduXP0yOzBzhP

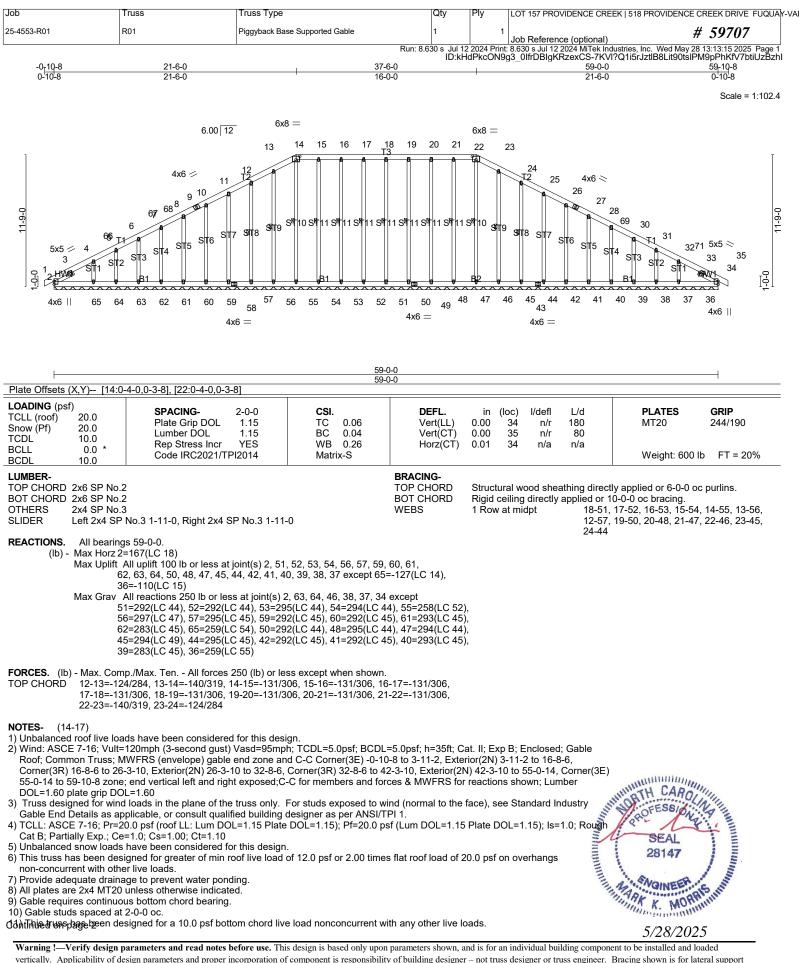
12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural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





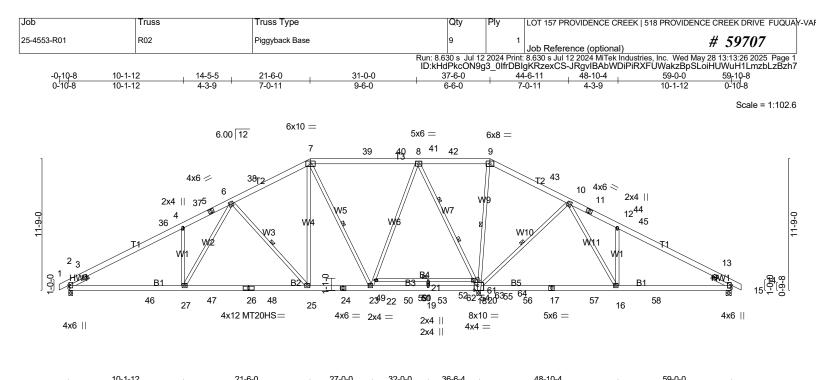
Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PRO	VIDENCE CREEK DRIVE FUQUAY-
25-4553-R01	R01	Piggyback Base Supported Gable	1	1	Job Reference (optional)	# 59707
					8.630 s Jul 12 2024 MiTek Industries, Inc. \ BIgKRzexCS-4idVP63ydSZg73LXS7w	

NOTES- (14-17)

- 12) * 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.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 51, 52, 53, 54, 56, 57, 59, 60, 61, 62, 63, 64, 50, 48, 47, 45, 44, 42, 41, 40, 39, 38, 37 except (jt=lb) 65=127, 36=110.
 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.
- 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.
- 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 Trusses for additional bracing guidelines, including diagonal bracing.
- Connected Wood Trusses 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





L	10-1-12	21-6-0		2-0-0 36-6-4	48-10-4	59-0-0
I	10-1-12	11-4-4	5-6-0 5	-0-0 4-6-4	12-4-0	10-1-12
Plate Offsets ()	X,Y) [18:0-3	3-8,0-5-0]				
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 0.71	Vert(LL)	-0.28 25-27 >999 240	MT20 244/190
Snow (Pf)	20.0	Lumber DOL 1.15	BC 0.88	Vert(CT)	-0.44 25-27 >998 180	MT20HS 187/143
TCDL	10.0	Rep Stress Incr YES	WB 0.91	Horz(CT)	0.05 18 n/a n/a	
BCLL	0.0 *	Code IRC2021/TPI2014	Matrix-AS	11012(01)	0.00 10 10 10	Weight: 469 lb FT = 20%
BCDL	10.0		Matrix 710			
		Except lo.2		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathing direct Rigid ceiling directly applied. Ex 6-0-0 oc bracing: 20-22 1 Row at midot 6-25.	
	W5,W7: 2x4			WEDS	2 Rows at 1/3 pts 8-20	7-23, 10-18, 9-18
		No.3 1-11-0, Right 2x4 SP No.3 1-11-	h		•	
					be installed during truss erection Installation guide.	lizers and required cross bracing on, in accordance with Stabilizer
	Max Horz 2= Max Uplift2=	1339/0-3-8 (min. 0-1-13), 18=3037/0 167(LC 14) -205(LC 14), 18=-7(LC 14), 14=-207(1551(LC 43), 18=4183(LC 43), 14=77	_C 15)	4=628/0-5-8 (min.)	υ-1-8)	
	2-3=-835/0, 5-6=-2308/4 40-41=-754	b./Max. Ten All forces 250 (lb) or les , 3-36=-2505/273, 4-36=-2339/293, 4- 423, 6-38=-1268/291, 7-38=-1142/312 //267, 8-41=-754/267, 8-42=0/1101, 9 //425, 11-44=-835/408, 12-44=-846/40 /0	37=-2447/404, 5-37= 2, 7-39=-754/267, 39- 42=0/1101, 9-43=0/	-2432/406, 40=-754/267, 1245, 10-43=0/1070),	
BOT CHORD	2-46=-302/2 25-48=-214 50-51=-162 54-55=-162	2136, 27-46=-302/2136, 27-47=-214/ /1674, 24-25=-63/1058, 24-49=-63/10 /402, 51-52=-162/402, 19-52=-162/40 /402, 18-55=-162/402, 18-56=-365/20 /263, 16-58=-138/678, 14-58=-138/67	58, 23-49=-63/1058, 2, 19-53=-162/402, 5 3, 17-56=-365/263,	23-50=-162/402, 53-54=-162/402,	4,	
WEBS	6-25=-1053 8-20=-2306	3/259, 7-25=-109/1129, 7-23=-1169/16 3/217_18-20=-2402/195_10-18=-1148	2, 22-23=-56/1619, 8	9-18=-864/120		
NOTES- (18- 1) Unbalanced 2) Wind: ASCE Roof; Hip Tri 16-8-6 to 26- 59-10-8 zone grip DOL=1. 3) TCLL: ASCE Cat B; Partia 4) Unbalanced 5) This truss ha non-concurre	-21) roof live load 7-16; Vult=1 uss; MWFRS -3-10, Interior e; end vertica 60 5 7-16; Pr=20 ally Exp.; Ce= snow loads f as been desig ent with other	968, 10-16=-176/1177, 4-27=-476/25 Is have been considered for this design (20mph (3-second gust) Vasd=95mph 6 (envelope) gable end zone and C-C r(1) 26-3-10 to 32-8-6, Exterior(2R) 32 al left and right exposed;C-C for memb 0.0 psf (roof LL: Lum DOL=1.15 Plate 1.0; Cs=1.00; Ct=1.10 have been considered for this design. gned for greater of min roof live load of r live loads.	n. ; TCDL=5.0psf; BCD Exterior(2E) -0-10-8 -8-6 to 42-3-10, Inter pers and forces & MV DOL=1.15); Pf=20.0 f 12.0 psf or 2.00 tim	L=5.0psf; h=35ft; C to 3-11-2, Interior(1 ior(1) 42-3-10 to 55 VFRS for reactions psf (Lum DOL=1.1 es flat roof load of 2	cat. II; Exp B; Enclosed; Gable) 3-11-2 to 16-8-6, Exterior(2R) -0-14, Exterior(2E) 55-0-14 to shown; Lumber DOL=1.60 place 5 Plate DOL=1.15); Is=1.0; Rough 20.0 psf on overhangs	SEAL 28147
Continued on pa	age 2					5/28/2025
						5/28/2025

Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CRE	EK 518 PROVIDENCE CREEK DRIVE FUQUAY-V
25-4553-R01	R02	Piggyback Base	9	1	lob Potoropes (antieval)	# 59707
			Run: 8.630 s Jul 12	2024 Print	Job Reference (optional) 8.630 s Jul 12 2024 MiTek Inc IfrDBlgKRzexCS-EgnfitBr	dustries, Inc. Wed May 28 13:13:28 2025 Page 2 2qy7xlhebxcC2cuorbOkyQNaUeF3fEzBzh5
 7) All plates are MT20 8) All plates are 5x5 M 9) This truss has been 10) * This truss has been other members, wit 11) Bearing at joint(s) 1 12) Provide mechanica 13) Load case(s) 109, 141, 142, 143, 144 must review loads 14) MULTIPLE LOADC 	en designed for a live load of h BCDL = 10.0psf. 8 considers parallel to grain I connection (by others) of tri 110, 111, 112, 113, 114, 115 145, 146, 147, 148, 149, 15 to verify that they are correct	ated. ed. m chord live load nonconcurrent with '30.0psf on the bottom chord in all ar value using ANSI/TPI 1 angle to grai uss to bearing plate capable of withst , 116, 117, 118, 119, 120, 121, 122, 0, 151, 152, 153, 154, 155, 156, 157 for the intended use of this truss. omposite result of multiple load case:	any other live loa eas where a recta n formula. Buildin anding 100 lb uplif 123, 124, 125, 126 158, 159, 160, 16	ds. ngle 3-6- g design t at joint(, 127, 12	0 tall by 1-0-0 wide will fi er should verify capacity s) 18 except (jt=lb) 2=20 28, 129, 130, 131, 132, 1	it between the bottom chord and any of bearing surface.
			lied directly to the	op chore	d and 1/2" gypsum sheet	rock be applied directly to the bottom
 17) In the LOAD CASE 18) Graphical bracing r 19) Bearing symbols an loads indicated. 	epresentation does not depic e only graphical representati	the face of the truss are noted as fro the size, type or the orientation of the ons of a possible bearing condition. It widual web members only. Refer to Pl	ne brace on the me Bearing symbols a	e not co	nsidered in the structura	
Connected Wood T 21) SEE BCSI-B3 SUM OF TOP CHORD, I	russes for additional bracing	guidelines, including diagonal bracin IT RESTRAING/BRACING OF CHOI B PLANES. IN ADDITION TO THES	ng. RDS & WEB MEM	BERS FO	OR RECOMMENDED M	INIMUM BRACING REQUIREMENTS
Úniform Loads (pl	r Defined Moving Load - Dea f) -60(F), 7-9=-60(F), 9-15=-60	d + Snow (balanced): Lumber Increa (F), 28-32=-20(F), 20-22=-20(F)	se=1.15, Plate Inc	rease=1.	.15	
-=Vert: 23 110) Reversal: 2nd Use Uniform Loads (pl	150 51=-150 er Defined Moving Load - De f) -60(F), 7-9=-60(F), 9-15=-60	ad + Snow (balanced): Lumber Increa (F), 28-32=-20(F), 20-22=-20(F)	ase=1.15, Plate Ind	crease=1	.15	
-=Vert: 51 111) Reversal: 3rd Use Uniform Loads (pl	150 52=-150 r Defined Moving Load - Dea f) -60(F), 7-9=-60(F), 9-15=-60	ad + Snow (balanced): Lumber Increa (F), 28-32=-20(F), 20-22=-20(F)	ise=1.15, Plate Inc	rease=1	.15	
-=Vert: 52 112) Reversal: 4th Use Uniform Loads (pl	150 53=-150 r Defined Moving Load - Dea f)	d + Snow (balanced): Lumber Increa (F), 28-32=-20(F), 20-22=-20(F)	se=1.15, Plate Inc	rease=1	.15	
Concentrated Loa Vert: 53=- 113) Reversal: 5th Use	ds (lb) 150 55=-150 r Defined Moving Load - Dea	d + Snow (balanced): Lumber Increa	se=1.15, Plate Inc	rease=1	.15	
Concentrated Loa	-60(F), 7-9=-60(F), 9-15=-60 ds (lb)	(F), 28-32=-20(F), 20-22=-20(F)				
114) Reversal: 7th Unb Uniform Loads (pl	f)	_oad - Dead + Snow (balanced)-Para , 9-15=-32(F=-20), 28-32=-20(F), 20-		se=1.15	, Plate Increase=1.15	
Concentrated Loa Vert: 23=- 115) Reversal: 8th Unb	ds (lb) 150 51=-150 al.1st User Defined Moving I	Load - Dead + Snow (balanced)-Para		se=1.15	, Plate Increase=1.15	
Concentrated Loa	60(F=-20), 7-36=-101(F=-2	20), 7-9=-32(F=-20), 9-45=-101(F=-20)), 15-45=-60(F=-2	0), 28-32	2=-20(F), 20-22=-20(F)	
116) Reversal: 7th Unb Uniform Loads (pl Vert: 1-7=	al.1st User Defined Moving I f) -32(F=-20). 7-9=-101(F=-20)	_oad - Dead + Snow (balanced)-Para , 9-15=-32(F=-20), 28-32=-20(F), 20-	22=-20(F)			
Vert: 23=- 117) Reversal: 8th Unb Uniform Loads (pl Vert: 1-36	150 51=-150 al.1st User Defined Moving I f) =-60(F=-20). 7-36=-101/F=-2	_oad - Dead + Snow (balanced)-Para 20), 7-9=-32(F=-20), 9-45=-101(F=-20	llel: Lumber Increa)), 15-45=-60(F=-2	se=1.15 0), 28-32	, Plate Increase=1.15 2=-20(F), 20-22=-20(F)	SOFESSION A
Concentrated Loa Vert: 23=- 118) Reversal: 7th Unb Uniform Loads (pl Vert: 1-7= Concentrated Loa Vert: 23=-	ds (lb) 150 51=-150 al.1st User Defined Moving I f) -32(F=-20), 7-9=-101(F=-20) ds (lb) 150 51=-150	oad - Dead + Snow (balanced)-Para 20), 7-9=-32(F=-20), 9-45=-101(F=-20 oad - Dead + Snow (balanced)-Para , 9-15=-32(F=-20), 28-32=-20(F), 20-	llel: Lumber Increa 22=-20(F)	ise=1.15	, Plate Increase=1.15	SEAL 28147
						White the manufalling

Continued on page 3

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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

5/28/2025

Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PRO	VIDENCE CREEK DRIVE FUQUA
25-4553-R01	R02	Piggyback Base	9		1	# 59707
			Run: 8 630 s. Ju	12 2024 Pi	Job Reference (optional) rint: 8.630 s Jul 12 2024 MiTek Industries, Inc. V	
					3_0lfrDBlgKRzexCS-FqnfjtBr2qy7xlhebxc	
LOAD CASE(S)						
	n Unbal.1st User Defined	Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15. Plate Increase=1.15	
Uniform Load		······································				
		-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F	-20), 28-	-32=-20(F), 20-22=-20(F)	
Concentrated						
	23=-150 51=-150	Maximuland Dand (Chaw (halanaad)	Denellel, Lunchen Ine		15 Dista Increase - 1 15	
Uniform Load		Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15, Plate Increase=1.15	
		01(F=-20), 9-15=-32(F=-20), 28-32=-20(F) 20-22=-20(F)			
Concentrated), 20 22 20(1)			
	23=-150 51=-150					
		Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15, Plate Increase=1.15	
Uniform Load						
		-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F	=-20), 28-	-32=-20(F), 20-22=-20(F)	
Concentrated	2 Loads (Ib) 23=-150 51=-150					
		Moving Load - Dead + Snow (balanced)	Parallel: Lumber Inc	rease-1	15 Plate Increase-1 15	
Uniform Load		I Moving Load - Dead + Show (balanced)	-Falaliel. Luttibel inc	16456-1.	15, Flate Increase=1.15	
		01(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)			
Concentrated	d Loads (lb)		,, ()			
	23=-150 51=-150					
		I Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15, Plate Increase=1.15	
Uniform Load				00) 00		
Concentrated		-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F	=-20), 28-	-32=-20(F), 20-22=-20(F)	
	23=-150 51=-150					
		Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15. Plate Increase=1.15	
Uniform Load		······································				
		01(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)			
Concentrated						
	23=-150 51=-150	Maximuland Dand (Chaw (halanaad)	Denellel, Lunchen Ine		15 Dista Increase - 1 15	
Uniform Load		I Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15, Plate increase=1.15	
		-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20) 15-45=-60(F	=-20) 28-	-32=-20(F) 20-22=-20(F)	
Concentrated			20), 10 10 00(1	20), 20	02 20(1), 20 22 20(1)	
	23=-150 51=-150					
		I Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1.	15, Plate Increase=1.15	
Uniform Load						
		01(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)			
Concentrated	2 Loads (Ib) 23=-150 51=-150					
		d Moving Load - Dead + Snow (balanced)	-Parallel: Lumber Inc	rease=1	15 Plate Increase=1 15	
Uniform Load		incoming Load - Doud - Onlow (balanced)		10000-1.		
		-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F	=-20), 28-	-32=-20(F), 20-22=-20(F)	
Concentrated						
Vert:	23=-150 51=-150					

128) Reversal: 7th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-7=-32(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)

Concentrated Loads (lb) Vert: 23=-150 51=-150

129) Reversal: 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F) Concentrated Loads (lb) Vert: 23=-150 51=-150

130) Reversal: 7th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-7=-32(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)

Concentrated Loads (lb) Vert: 23=-150 51=-150

131) Reversal: 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F) Concentrated Loads (lb)

Vert: 23=-150 51=-150

132) Reversal: 7th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-7=-32(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)

Concentrated Loads (lb)

Itrated Loads (1.5) Vert: 23=-150 al: 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase Loads (plf) Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F) Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F) Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F), 20-22 133) Reversal: 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Concentrated Loads (lb)



Continued on page 4

4552 D04	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CF	EER 516 PROVIDENC	
-4553-R01	R02	Piggyback Base	9	1	Job Reference (optiona)	# 59707
					8.630 s Jul 12 2024 MiTek)lfrDBIgKRzexCS-Fqnfjt		
OAD CASE(S)							
	1st User Defined Moving	Load - Dead + Snow (balanced)	-Parallel: Lumber Incre	ease=1.15	, Plate Increase=1.15		
Uniform Loads (plf) Vert: 1-7=-32	2(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)				
Concentrated Loads Vert: 23=-15							
35) Reversal: 8th Unbal.		Load - Dead + Snow (balanced)	-Parallel: Lumber Incre	ease=1.15	, Plate Increase=1.15		
Uniform Loads (plf) Vert: 1-36=-6	30(F=-20), 7-36=-101(F=	-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-3	20), 28-32	=-20(F), 20-22=-20(F)		
Concentrated Loads				,.			
Vert: 23=-15 36) Reversal: 7th Unbal.		Load - Dead + Snow (balanced)	-Parallel: Lumber Incre	ase=1.15	, Plate Increase=1.15		
Uniform Loads (plf) Vert: 1-7=-32	2(F=-20) 7-9=-101(F=-2)	0), 9-15=-32(F=-20), 28-32=-20(F) 20-22=-20(F)				
Concentrated Loads	(lb)	5), 0 10 02(1 20), 20 02 20(1), 20 22 20(1)				
Vert: 23=-15 37) Reversal: 8th Unbal.		Load - Dead + Snow (balanced)	-Parallel: Lumber Incre	ase=1.15	, Plate Increase=1.15		
Uniform Loads (plf)		· · · · · · · · · · · · · · · · · · ·					
Concentrated Loads		-20), 7-9=-32(F=-20), 9-45=-101(F20), 15-4560(F	20), 20-32	20(F), 20-2220(F)		
Vert: 23=-15 38) 1st User Defined Mo		w (balanced): Lumber Increase=1	15 Plate Increase=1	15			
Uniform Loads (plf)	0	· · · ·					
Vert: 1-7=-60 Concentrated Loads		0(F), 28-32=-20(F), 20-22=-20(F)					
Vert: 23=-15	0 51=-150	w (balanced): Lumber Increase=	1 15 Plate Increase-1	15			
Uniform Loads (plf)	0	, ,		. 15			
Vert: 1-7=-60 Concentrated Loads		0(F), 28-32=-20(F), 20-22=-20(F)					
Vert: 51=-15	0 52=-150			4.5			
40) 3rd User Defined Mo Uniform Loads (plf)	ving Load - Dead + Sho	w (balanced): Lumber Increase=	1.15, Plate Increase=1.	15			
Vert: 1-7=-60 Concentrated Loads		0(F), 28-32=-20(F), 20-22=-20(F)					
Vert: 52=-15	0 53=-150						
41) 4th User Defined Mo Uniform Loads (plf)	ving Load - Dead + Sno	w (balanced): Lumber Increase=*	.15, Plate Increase=1.	15			
Vert: 1-7=-60		0(F), 28-32=-20(F), 20-22=-20(F)					
Concentrated Loads Vert: 53=-15							
42) 5th User Defined Mo Uniform Loads (plf)	ving Load - Dead + Sno	w (balanced): Lumber Increase=?	.15, Plate Increase=1.	15			
Vert: 1-7=-60		0(F), 28-32=-20(F), 20-22=-20(F)					
Concentrated Loads Vert: 18=-15							
43) 7th Unbal.1st User D		ead + Snow (balanced)-Parallel: I	umber Increase=1.15,	Plate Inci	rease=1.15		
Uniform Loads (plf) Vert: 1-7=-32	2(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)				
Concentrated Loads Vert: 23=-15							
44) 8th Unbal.1st User D		ead + Snow (balanced)-Parallel: I	umber Increase=1.15,	Plate Inci	rease=1.15		
Uniform Loads (plf) Vert: 1-36=-6	30(F=-20), 7-36=-101(F=	-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-2	20), 28-32	=-20(F), 20-22=-20(F)		
Concentrated Loads Vert: 23=-15	(lb)			,			
45) 7th Unbal.1st User D		ead + Snow (balanced)-Parallel: I	umber Increase=1.15,	Plate Inci	rease=1.15		
Uniform Loads (plf) Vert: 1-7=-32	2(F=-20), 7-9=-101(F=-2)	0), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)				
Concentrated Loads Vert: 23=-15	(lb)	,,,,	,, <u>·</u> ·/				
46) 8th Unbal.1st User D		ead + Snow (balanced)-Parallel: I	umber Increase=1.15,	Plate Inci	rease=1.15		
Uniform Loads (plf) Vert: 1-36=-6	30(F=-20). 7-36=-101/F=	-20), 7-9=-32(F=-20), 9-45=-101(F=-20). 15-45=-60/F=-	20), 28-32	=-20(F), 20-22=-20(F)		
Concentrated Loads	(lb)	,, (,, - ,, - , - , , , , , , , , , , ,	,, · · ·	,, , ,	· · · · · · · · · · · · · · · · · · ·	MULTIN	14.
vert: 23=-15 47) 7th Unbal.1st User E	Defined Moving Load - D	ead + Snow (balanced)-Parallel: I	umber Increase=1.15,	Plate Inci	rease=1.15	WHENRTH CAR	0111111
Uniform Loads (plf)	- 2(F=-20) 7-9=-101/F- 2	ead + Snow (balanced)-Parallel: I 0), 9-15=-32(F=-20), 28-32=-20(F ead + Snow (balanced)-Parallel: I -20), 7-9=-32(F=-20), 9-45=-101() 20-22=-20(F)		3	A OFESSIO	N. A. III
Concentrated Loads	(lb)	σ, σ-τσ-τσ∠(τ∠σ), 20-σ220(Γ	<i>,, _0 _2</i> 20(1 <i>)</i>		Inn	1 and	Kin
Vert: 23=-15 48) 8th Unbal.1st User D	0 51=-150)efined Moving Load - D∉	ead + Snow (balanced)-Parallel: I	umber Increase=1.15.	Plate Inc	rease=1.15	SEAL 28147	
Uniform Loads (plf)		20) 7 0- 20/5- 20) 0 45- 404	E- 20) 15 15- 20/E	201 20 20	- 20(E) 20 22- 20(E)	2014/]]
Vert: 1-36=-6 Concentrated Loads	(Ib)	-20), 1-932(F=-20), 9-45=-101(r∠∪), 15-45=-6U(r=-)	20), 28-32	20(F), 20-22=-20(F)	ANDINEE	
Concentrated Loads							

Continued on page 5

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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

5/28/2025

b	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CRE	EK 518 PROVIDENCE CREEK DRIVE FUQU
-4553-R01	R02	Piggyback Base	9	1	Job Reference (optional)	# 59707
	1	1			8.630 s Jul 12 2024 MiTek Ind	ustries, Inc. Wed May 28 13:13:28 2025 Page 2qy7xlhebxcC2cuorbOkyQNaUeF3fEzBzl
			יש.גחעראו	Joinago_(mooiginizezoo-rynijiBiz	y, AIIGDAUUZUUUIDUKYQINAUEFƏIEZDZI
. OAD CASE(S) 49) 7th Unbal.1st User [Defined Moving Load - Dea	d + Snow (balanced)-Parallel: Lumber	Increase=1.15	Plate Inci	ease=1.15	
Uniform Loads (plf)	C C				-	
Concentrated Loads	(lb)	9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Vert: 23=-15 50) 8th Unbal 1st User [d + Snow (balanced)-Parallel: Lumber	Increase=1 15	Plate Inci	rease=1 15	
Uniform Loads (plf)	C C					
Vert: 1-36 Concentrated Loads		0), 7-9=-32(F=-20), 9-45=-101(F=-20),	15-45=-60(F=-2	u), 28-32	=-20(F), 20-22=-20(F)	
Vert: 23=-15	0 51=-150	d + Snow (balanced) Derallel Lumber	Increase=1.15	Diate Inc.		
Uniform Loads (plf)	C C	d + Snow (balanced)-Parallel: Lumber		i iate IIICI	Gase-1.10	
Vert: 1-7=-3 Concentrated Loads		9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Vert: 23=-15	0 51=-150					
52) 8th Unbal.1st User [Uniform Loads (plf)	Jetined Moving Load - Dear	d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	ease=1.15	
		0), 7-9=-32(F=-20), 9-45=-101(F=-20),	15-45=-60(F=-2	0), 28-32	=-20(F), 20-22=-20(F)	
Vert: 23=-15	0 51=-150					
53) 7th Unbal.1st User [Uniform Loads (plf)	Defined Moving Load - Dea	d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	ease=1.15	
Vert: 1-7=-3		9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Concentrated Loads Vert: 23=-15						
54) 8th Unbal.1st User [d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	rease=1.15	
		0), 7-9=-32(F=-20), 9-45=-101(F=-20),	15-45=-60(F=-2	0), 28-32	=-20(F), 20-22=-20(F)	
Concentrated Loads Vert: 23=-15						
55) 7th Unbal.1st User [d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	rease=1.15	
Uniform Loads (plf) Vert: 1-7=-3	2(F=-20), 7-9=-101(F=-20).	9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Concentrated Loads	(lb)		. /			
		d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	ease=1.15	
Uniform Loads (plf) Vert: 1-36=-	50(F=-20), 7-36=-101(F=-2	0), 7-9=-32(F=-20), 9-45=-101(F=-20),	15-45=-60(F=-2	0), 28-32	=-20(F), 20-22=-20(F)	
Concentrated Loads	(lb)	-,,(. _ 0), 0 10 101(1 ⁻ ∠ 0),		.,, _0 02		
Vert: 23=-15 7) 7th Unbal.1st User I		d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	rease=1.15	
Uniform Loads (plf)	C C	9-15=-32(F=-20), 28-32=-20(F), 20-22				
Concentrated Loads	(lb)	0-10-02(1 -20), 20-02-20(1), 20-22	-20(1)			
Vert: 23=-15 8) 8th Unbal.1st User I		d + Snow (balanced)-Parallel: Lumber	Increase=1.15.	Plate Inci	ease=1.15	
Uniform Loads (plf)	0	, , , , , , , , , , , , , , , , , , ,	,			
Concentrated Loads	(lb)	0), 7-9=-32(F=-20), 9-45=-101(F=-20),	10-40=-60(F=-2	0), 28-32	20(F), 20-22=-20(F)	
Vert: 23=-15 59) 7th Unbal 1st User [d + Snow (balanced)-Parallel: Lumber	Increase=1 15	Plate Inci	rease=1 15	
Uniform Loads (plf)	Ū.				2200 1.10	
Vert: 1-7=-3 Concentrated Loads		9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Vert: 23=-15	0 51=-150	d + Snow (balanced)-Parallel: Lumber	Increase 1 15	Diato Inc.		
Uniform Loads (plf)	0	, , , , , , , , , , , , , , , , , , ,	,			
Vert: 1-Ӟ6≐- Concentrated Loads		0), 7-9=-32(F=-20), 9-45=-101(F=-20),	15-45=-60(F=-2	0), 28-32	=-20(F), 20-22=-20(F)	
Vert: 23=-15	0 51=-150					
51) 7th Unbal.1st User [Uniform Loads (plf)	venned woving Load - Dear	d + Snow (balanced)-Parallel: Lumber	increase=1.15,	riate Inci	ease=1.15	
	2(F=-20), 7-9=-101(F=-20),	9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)			
Vert: 23=-15	0 51=-150					WHITH CAPACITY
62) 8th Unbal.1st User [Uniform Loads (plf)	Defined Moving Load - Dea	d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	rease=1.15	SEESSIA IN
Vert: 1-36=-	60(F=-20), 7-36=-101(F=-2	9-15=-32(F=-20), 28-32=-20(F), 20-22 d + Snow (balanced)-Parallel: Lumber 0), 7-9=-32(F=-20), 9-45=-101(F=-20), d + Snow (balanced)-Parallel: Lumber 9-15=-32(F=-20), 28-32=-20(F), 20-22	15-45=-60(F=-2	0), 28-32	=-20(F), 20-22=-20(Đ	SEAL 28147
Concentrated Loads Vert: 23=-15	(III) 0 51=-150				in the second se	SEAL
63) 7th Unbal.1st User [Uniform Loads (plf)	Defined Moving Load - Dea	d + Snow (balanced)-Parallel: Lumber	Increase=1.15,	Plate Inci	rease=1.15	28147
Vert: 1-7=-3	2(F=-20), 7-9=-101(F=-20),	9-15=-32(F=-20), 28-32=-20(F), 20-22	=-20(F)		11111	No 1
Concentrated Loads Vert: 23=-15	(lb) 0.51=-150				Int	A NOINEER OS UN
von. 2010						WINK & MORTHIN

Continued on page 6

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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

5/28/2025

Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PRO	VIDENCE CREEK DRIVE FUQUA	Y-VAF
25-4553-R01	R02	Piggyback Base	9	1	Job Reference (optional)	# 59707	
		Pup: 9 6	30 c lul 1	2 2024 Drint	9 630 c Jul 12 2024 MiTok Industrias Inc. M	Ind May 28 13:13:28 2025 Page 6	

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 Mi lek industries, inc. Wed May 28 13:13:28 2025 Page 6 ID:kHdPkcON9g3_0lfrDBlgKRzexCS-FqnfjtBr2qy7xlhebxcC2cuorbOkyQNaUeF3fEzBzh5

LOAD CASE(S)

164) 8th Unbal. 1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F) Concentrated Loads (lb)

Vert: 23=-150 51=-150

165) 7th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-7=-32(F=-20), 7-9=-101(F=-20), 9-15=-32(F=-20), 28-32=-20(F), 20-22=-20(F)

Concentrated Loads (lb)

Vert: 23=-150 51=-150

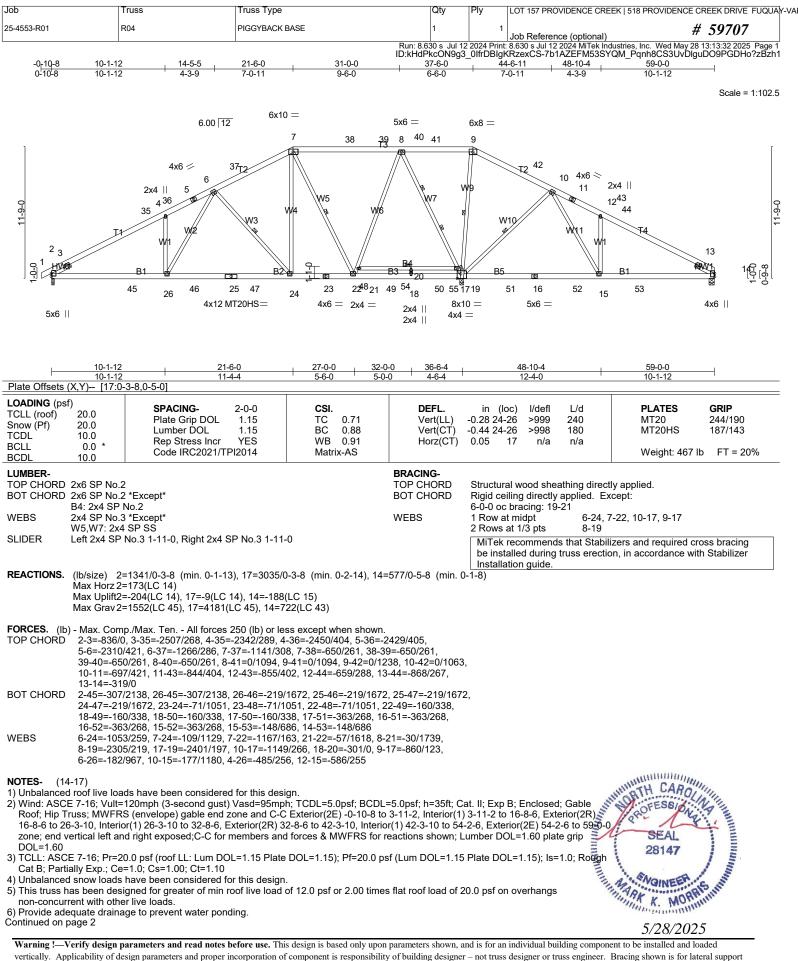
166) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-36=-60(F=-20), 7-36=-101(F=-20), 7-9=-32(F=-20), 9-45=-101(F=-20), 15-45=-60(F=-20), 28-32=-20(F), 20-22=-20(F). Concentrated Loads (lb)

Vert: 23=-150 51=-150





Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVID	ENCE CREEK DRIVE FUQUA	Y-VAF
25-4553-R01	R04	PIGGYBACK BASE	1	1	Job Reference (optional)	# 59707	
		Rup: 8.6	30 e lul 12	2024 Print	8 630 s Jul 12 2024 MiTek Industries Inc. Wed	May 28 13:13:32 2025 Page 2	

ID:kHdPkcON9g3 0lfrDBlgKRzexCS-7b1AZEFM53SYQM Pqnh8CS3UvDlguDO9PGDHo?zBzh1

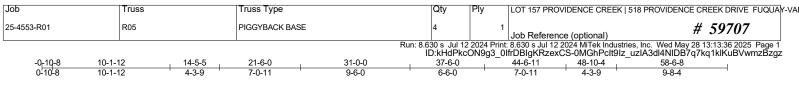
NOTES- (14-17)

7) All plates are MT20 plates unless otherwise indicated.

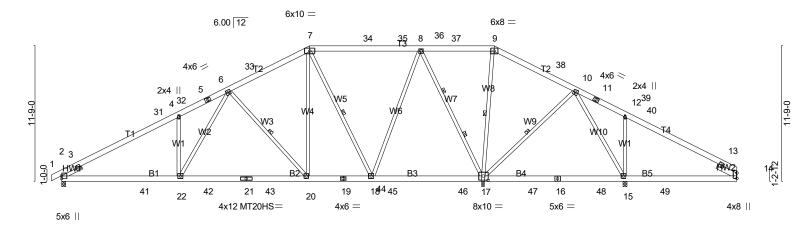
- 8) All plates are 5x5 MT20 unless otherwise indicated.
-) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 2=204, 14=188.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 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 Trusses 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





Scale = 1:99.9



<u>10-1-12</u> 10-1-12		27-0-0	<u>36-6-4</u> 9-6-4		48-10-4 12-4-0	58-6-8	
Plate Offsets (X,Y) [17:0-		0-0-0	3-0-4		12-4-0	0-0-4	
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.70 BC 0.81 WB 0.95 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.12 15-29 -0.43 20-22 0.05 17	l/defl L/d >993 240 >999 180 n/a n/a	PLATES MT20 MT20HS Weight: 452 lb	GRIP 244/190 187/143 • FT = 20%
_UMBER-			BRACING-				

TOP CHORD

BOT CHORD

WFBS

TOP CHORD 2x6 SP No.2

BOT CHORD 2x6 SP No.2

2x4 SP No.3 *Except* WFBS

W5,W7: 2x4 SP No.1

Left 2x4 SP No.3 1-11-0, Right 2x6 SP No.2 1-11-0 SLIDER

Structural wood sheathing directly applied. Rigid ceiling directly applied. 6-20, 7-18, 10-17, 9-17 1 Row at midpt 2 Rows at 1/3 pts 8-17 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide

IIII MANA

NOINEE

5/28/2025

All bearings 0-3-8 except (jt=length) 14=Mechanical. REACTIONS.

(lb) Max Horz 2=178(LC 14) Max Uplift All uplift 100 lb or less at joint(s) 15 except 2=-207(LC 14), 17=-180(LC 11), 14=-180(LC 10)

Max Grav All reactions 250 lb or less at joint(s) except 2=1591(LC 45), 17=3332(LC 45), 14=538(LC 43), 15=621(LC 37)

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

TOP CHORD	2-3=-868/0, 3-31=-2583/334, 4-31=-2417/355, 4-32=-2523/431, 5-32=-2501/432,
	5-6=-2384/448, 6-33=-1314/355, 7-33=-1181/377, 7-34=-638/344, 34-35=-638/344,
	35-36=-638/344, 8-36=-638/344, 8-37=0/845, 9-37=0/845, 9-38=0/970, 10-38=0/795,
	10-11=-379/585, 11-39=-498/568, 12-39=-509/566, 12-40=-316/471, 13-40=-517/445,
	13-14=-197/452
BOT CHORD	2-41=-318/2205, 22-41=-318/2205, 22-42=-230/1746, 21-42=-230/1746, 21-43=-230/174

746 20-43=-230/1746. 19-20=-80/1054. 19-44=-80/1054. 18-44=-80/1054. 18-45=-58/335. 45-46=-58/335, 17-46=-58/335, 17-47=-312/255, 16-47=-312/255, 16-48=-312/255, 15-48=-312/255, 15-49=-345/376, 14-49=-345/376 WEBS 6-20=-1047/259, 7-20=-101/1175, 7-18=-1175/150, 8-18=-76/1466, 8-17=-2061/240,

10-17=-842/343, 9-17=-726/93, 6-22=-182/956, 10-15=-362/676, 12-15=-571/243,

NOTES-

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

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 3-11-2, Interior(1) 3-11-2 to 16-8-6, Exterior(2R) 16-8-6 to 26-3-10, Interior(1) 26-3-10 to 32-8-6, Exterior(2R) 32-8-6 to 42-3-10, Interior(1) 42-3-10 to 53-8-14, Exterior(2E) 53-8-14 to 58-6-8 zone; end vertical left exposed; porch right exposed; C-C for members and forces & MWFRS for reaction DOL=1.60 plate grip DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof 11 + 1 + 20) Cat B: Porticit 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

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; Rough 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PRO	VIDENCE CREEK DRIVE FUQUAY-
25-4553-R01	R05	PIGGYBACK BASE	4	1	Job Reference (optional)	# 59707

ID:kHdPkcON9g3_0lfrDBlgKRzexCS-UZq3cylVwb5rW7tNdKHJvVmMtETzZU_uZYw2TCzBzgy

NOTES- (15-18)

6) Provide adequate drainage to prevent water ponding.

7) All plates are MT20 plates unless otherwise indicated.

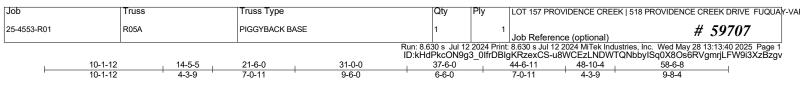
8) All plates are 5x5 MT20 unless otherwise indicated.

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

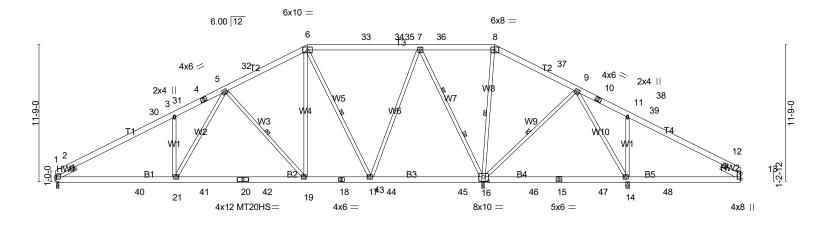
- (1) * This truss has been designed for a live load of 30.0ps on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 2=207, 17=180, 14=180.
- 14) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 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
- (a) See BCSI-B SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
 (c) FOP 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





Scale = 1:98.4



10-1-12 10-1-12 Plate Offsets (X,Y) [16:0	21-6-0 11-4-4 2-5-0 0-4-8]	27-0-0 5-6-0	36-6-4 9-6-4	48-10-4 12-4-0	58-6-8 9-8-4
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.70 BC 0.81 WB 0.95 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d 0.12 14-28 >993 240 -0.43 19-21 >999 180 0.05 16 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 450 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP No. BOT CHORD 2x6 SP No. WEBS 2x4 SP No. W5,W7: 2x	2 3 *Except*		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathing direct Rigid ceiling directly applied. 1 Row at midpt 5-19, 6 2 Rows at 1/3 pts 7-16	ly applied. 3-17, 9-16, 8-16

SLIDER Left 2x4 SP No.3 1-11-0, Right 2x6 SP No.2 1-11-0 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide

All bearings 0-3-8 except (jt=length) 13=Mechanical. REACTIONS. (lb) Max Horz 1=165(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) 14 except 1=-190(LC 14), 16=-180(LC 11), 13=-180(LC 10)

Max Grav All reactions 250 lb or less at joint(s) except 1=1548(LC 44), 16=3330(LC 44), 13=538(LC 42), 14=616(LC 36)

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

TOP CHORD	1-2=-888/0, 2-30=-2588/336, 3-30=-2422/357, 3-31=-2529/433, 4-31=-2507/434,
	4-5=-2390/451, 5-32=-1316/356, 6-32=-1183/378, 6-33=-639/345, 33-34=-639/345,
	34-35=-639/345, 7-35=-639/345, 7-36=0/842, 8-36=0/842, 8-37=0/968, 9-37=0/793,
	9-10=-379/585, 10-38=-493/568, 11-38=-508/568, 11-39=-317/471, 12-39=-517/446,
	12-13=-197/452
BOT CHORD	1-40=-319/2210, 21-40=-319/2210, 21-41=-230/1749, 20-41=-230/1749, 20-42=-230/1749,
	19-42=-230/1749, 18-19=-80/1056, 18-43=-80/1056, 17-43=-80/1056, 17-44=-58/337,
	44-45=-58/337, 16-45=-58/337, 16-46=-310/255, 15-46=-310/255, 15-47=-310/255,
	14-47=-310/255, 14-48=-346/377, 13-48=-346/377
WEBS	5-19=-1048/259, 6-19=-101/1176, 6-17=-1174/150, 7-17=-76/1466, 7-16=-2060/240,
	9-16=-840/343, 8-16=-725/93, 5-21=-183/960, 9-14=-361/674, 11-14=-571/243,
	3-21=-481/255

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 4-9-10, Interior(1) 4-9-10 to 16-8-6, Exterior(2R) 16-8-6 to 26-3-10, Interior(1) 26-3-10 to 32-8-6, Exterior(2R) 32-8-6 to 42-3-10, Interior(1) 42-3-10 to 53-8-14, Exterior(2E) 53-8-14 to 58-6-8 zone; end vertical left exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15): Pf=20.0 107 Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10 Unbalanced snow loads have be provide 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 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; Rough

2.8/202/ Vand CHINA WA 5/28/2025

4) Unbalanced snow loads have been considered for this design.

5) Provide adequate drainage to prevent water ponding.

6) All plates are MT20 plates unless otherwise indicated.

Continued on page 2

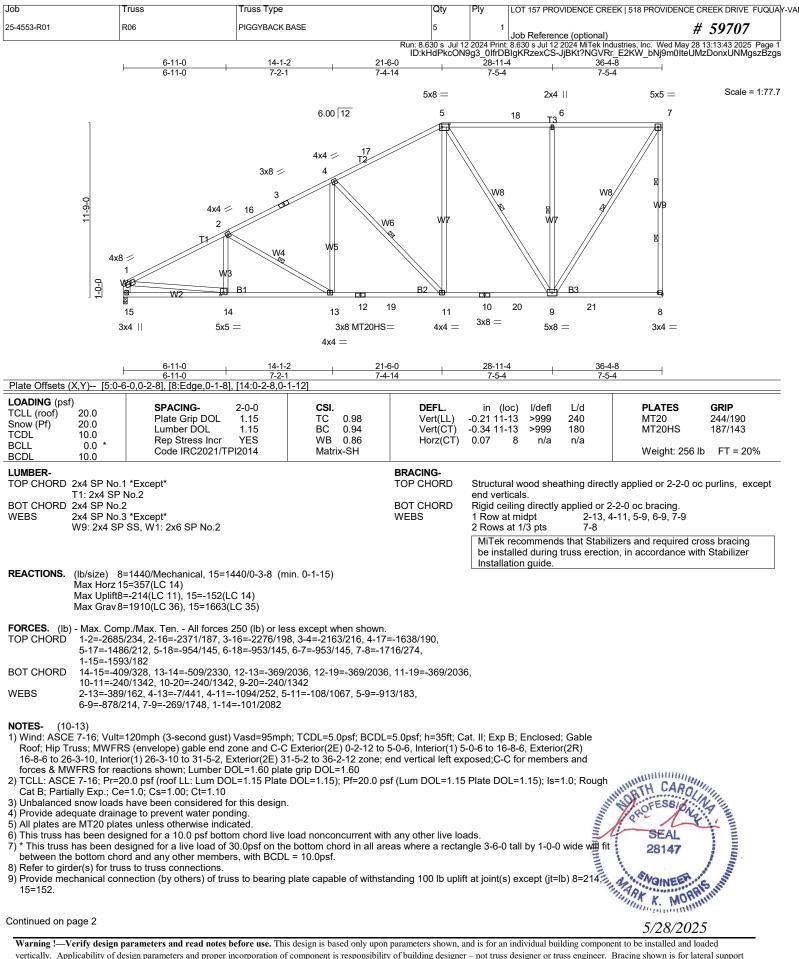
Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518	PROVIDENCE CREEK DRIVE FUQUAY-VA
25-4553-R01	R05A	PIGGYBACK BASE	1	1	Job Reference (optional)	# 59707
		· · · · ·			nt: 8.630 s Jul 12 2024 MiTek Industries, Ir frDBIgKRzexCS-NK4aSJL? gbG?IA	nc. Wed May 28 13:13:41 2025 Page 2 A8sALF4Lx1srrvVIzUUAuFczzBzgu

NOTES- (14-17)

- 7) All plates are 5x5 MT20 unless otherwise indicated.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9)* 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.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 1=190, 16=180, 13=180.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 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 Trusses 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
- 17) SEE BCSI-B3 SUMMARY SHEET- PERMANEŇŤ RESTRAING/BRĂCINĞ 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





[Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDE	NCE CREEK DRIVE FUQUA	/-VAF
	25-4553-R01	R06	PIGGYBACK BASE	5	1	Job Reference (optional)	# 59707	
			Run: 8.6			: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed M		

10) 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. 11) Bearing symbols are not considered in the structural design of the truss to support the

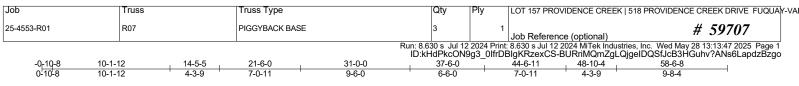
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

 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

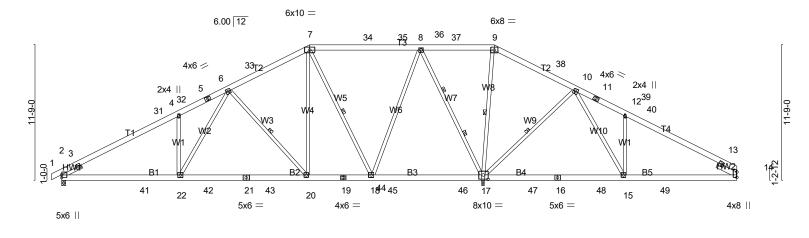
13) SEE BCSI-B3 SUMMARY SHEET- PERMANEŇŤ RESTRAING/BRĂCINĞ OF CHORĎS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Scale = 1:99.9



10-1-1	2 21-6-0 2 11-4-4	27-0-0	<u>36-6-4</u> 9-6-4	48-10-4	58-6-8 9-8-4
Plate Offsets (X,Y) [17:		5-0-0	3-0-4	12-4-0	3-0-4
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.70 BC 0.78 WB 0.97 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d -0.28 15-17 >941 240 -0.42 20-22 >999 180 0.04 17 n/a n/a	PLATES GRIP MT20 244/190 Weight: 452 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP No BOT CHORD 2x6 SP No WEBS 2x4 SP No W5,W7: 2x	.2 .3 *Except*	-0	BRACING- TOP CHORD BOT CHORD WEBS	2 Rows at 1/3 pts 8-17 MiTek recommends that Stab	ctly applied. 7-18, 10-17, 9-17 ilizers and required cross bracing ion, in accordance with Stabilizer
Max Horz Max Uplift	2=1336/0-3-8 (min. 0-1-13), 17=2816/ 2=178(LC 14) 2=-217(LC 14), 17=-83(LC 14), 14=-18 2=1520(LC 45), 17=3757(LC 45), 14=	37(LC 15)	584/Mechanical		
TOP CHORD 2-3=-818 5-6=-224 35-36=-5	np./Max. Ten All forces 250 (lb) or le /0, 3-31=-2441/298, 4-31=-2275/318, - //47, 6-33=-1201/317, 7-33=-1077/3 91/300, 8-36=-591/300, 8-37=0/1042, 72/406, 11-39=-819/389, 12-39=-830/	4-32=-2386/430, 5-32=- 38, 7-34=-591/300, 34-3 9-37=0/1042, 9-38=0/1	2363/431, 5=-591/300, 181, 10-38=0/1006	i,	
20-43=-2 45-46=-2 15-48=-3 WEBS 6-20=-10	5/2080, 22-41=-335/2080, 22-42=-248 48/1613, 19-20=-96/982, 19-44=-96/9 52/313, 17-46=-252/313, 17-47=-301/ 01/287, 15-49=-145/671, 14-49=-145/ 51/258, 7-20=-100/1177, 7-18=-1253/ 144/258, 9-17=-828/118, 6-22=-180/9 6/254	32, 18 ⁻ 44=-96/982, 18-4 287, 16-47=-301/287, 16 571 139, 8-18=-66/1540, 8-1	5=-252/313, 6-48=-301/287, 7=-2099/254,	3,	
NOTES- (14-17) 1) Unbalanced roof live lo 2) Wind: ASCE 7-16; Vult Roof; Hip Truss; MWFI	ads have been considered for this des =120mph (3-second gust) Vasd=95m RS (envelope) gable end zone and C- ior(1) 26-3-10 to 32-8-6, Exterior(2R) 3 al left exposed;C-C for members and	oh; TCDL=5.0psf; BCDL C Exterior(2E) -0-10-8 to 32-8-6 to 42-3-10, Interio	o 3-11-2, Interior(1) or(1) 42-3-10 to 53	at. II; Exp B; Enclosed; Gable) 3-11-2 to 16-8-6, Exterior(2R) -8-14, Exterior(2E) 53-8-14 to her DOI = 1 60 Jate aria	SEAL 28147

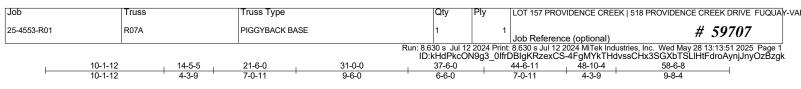
Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVI	DENCE CREEK DRIVE FUQUA
25-4553-R01	R07	PIGGYBACK BASE	3	1	Job Reference (optional)	# 59707
					8.630 s Jul 12 2024 MiTek Industries, Inc. We BIgKRzexCS-BURriMQmZgLQjgeIDQSfJ	

NOTES- (14-17)

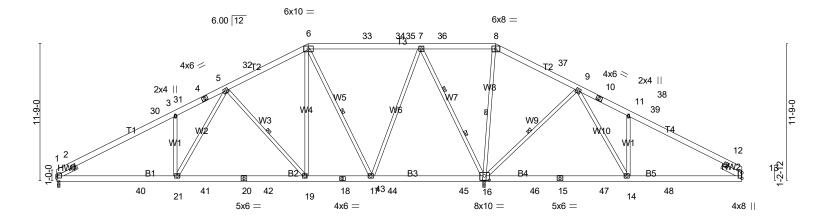
- 9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17 except (jt=lb) 2=217, 14=187.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord
- 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 Trusses 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





Scale = 1:98.4



10-1-12	21-6-0	27-0-0	36-6-4	48-10-4	58-6-8
Plate Offsets (X,Y) [16:	11-4-4	5-6-0	9-6-4	12-4-0	9-8-4
· · · ·	<u>J-5-0,0-4-8]</u>				
DADING (psf) CLL (roof) 20.0 now (Pf) 20.0 CDL 10.0 CLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.70 BC 0.78 WB 0.97	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d -0.28 14-16 >941 240 -0.42 19-21 >999 180 0.04 16 n/a n/a	PLATES GRIP MT20 244/190
DL 10.0	Code IRC2021/TPI2014	Matrix-AS			Weight: 450 lb FT = 20%
JMBER- DP CHORD 2x6 SP No DT CHORD 2x6 SP No EBS 2x4 SP No W5,W7: 2x LIDER Left 2x4 SF	.2 .3 *Except*	1-0	BRACING- TOP CHORD BOT CHORD WEBS	2 Rows at 1/3 pts 7-16 MiTek recommends that Stab	ctly applied. 6-17, 9-16, 8-16 ilizers and required cross bracing ion, in accordance with Stabilizer
Max Horz Max Uplift	1=1284/0-3-8 (min. 0-1-12), 16=2814, 1=165(LC 14) 1=-200(LC 14), 16=-83(LC 14), 13=-18 1=1476(LC 44), 16=3756(LC 44), 13=	87(LC 15)	585/Mechanical		
OP CHORD 1-2=-838 4-5=-225 34-35=-5	np./Max. Ten All forces 250 (lb) or li /0, 2-30=-2446/300, 3-30=-2280/321, 2/448, 5-32=-1203/318, 6-32=-1079/3 92/301, 7-35=-592/301, 7-36=0/1040, 0/406, 10-38=-809/390, 11-38=-824/3	3-31=-2391/431, 4-31=- 39, 6-33=-592/301, 33-3 8-36=0/1040, 8-37=0/1	2368/432, 34=-592/301, 180, 9-37=0/1005,		
OT CHORD 1-40=-33 19-42=-2 44-45=-2 14-47=-2 VEBS 5-19=-10	64-06, 10-30-36/2084, 21-41244 49/1616, 18-19=-96/983, 18-43=-96/9 50/314, 16-45=-250/314, 16-46=-299/ 99/286, 14-48=-145/668, 13-48=-145/ 52/259, 6-19=-100/1178, 6-17=-1253/ 44/258, 8-16=-827/117, 5-21=-181/97	9/1616, 20-41=-249/1610 183, 17-43=-96/983, 17-4 /286, 15-46=-299/286, 1 /668 /139, 7-17=-66/1540, 7-1	6, 20-42=-249/1610 14=-250/314, 5-47=-299/286, 16=-2099/254,	6,	
	9/254				

Job	Truss	Truss Type	Qty	y F	Ply	LOT 157 PROVIDENCE CREEK 518 P	ROVIDENCE CREEK DRIVE FUQUAY
25-4553-R01	R07A	PIGGYBACK BASE	1		1	Job Reference (optional)	# 59707
			Rup: 8.630 s	lul 12.2	024 Print	8 630 s Jul 12 2024 MiTek Industries Inc	Wed May 28 13:13:51 2025 Page 2

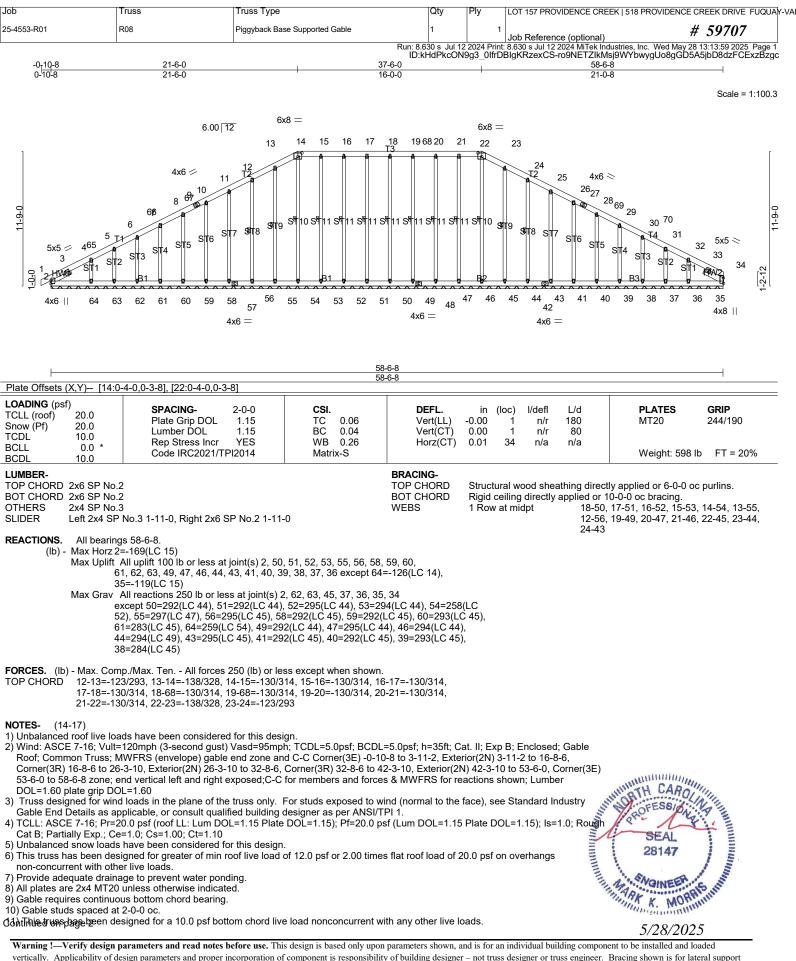
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NOTES- (13-16)

- 9) Refer to girder(s) for truss to truss connections.
- 10) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb upliff at joint(s) 16 except (jt=lb) 1=200, 13=187.
- 12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 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





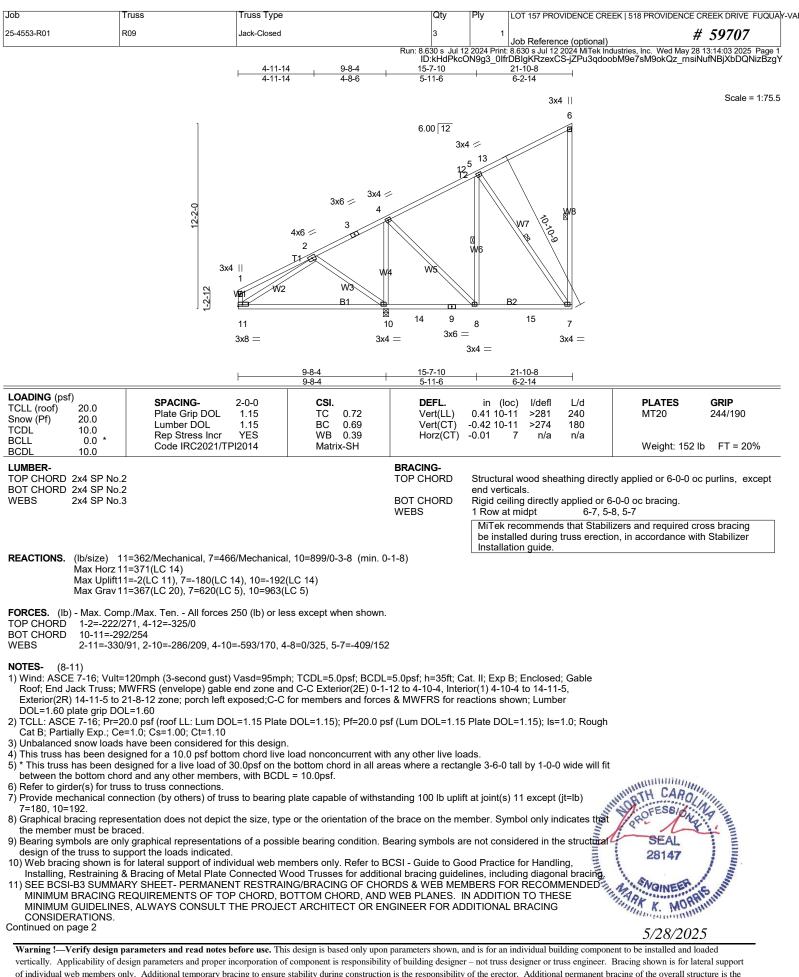
Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PI	ROVIDENCE CREEK DRIVE FUQUAY-V
25-4553-R01	R08	Piggyback Base Supported Gable	1	1	Job Reference (optional)	# 59707
					8.630 s Jul 12 2024 MiTek Industries, Inc BIgKRzexCS-FNrWsVcA1HEI0zHA	

NOTES- (14-17)

- 12) * 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.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 50, 51, 52, 53, 55, 56, 58, 59, 60, 61, 62, 63, 49, 47, 46, 44, 43, 41, 40, 39, 38, 37, 36 except (jt=lb) 64=126, 35=119.
 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.
- 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.
- 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 Trusses for additional bracing guidelines, including diagonal bracing.
- Connected Wood Trusses 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



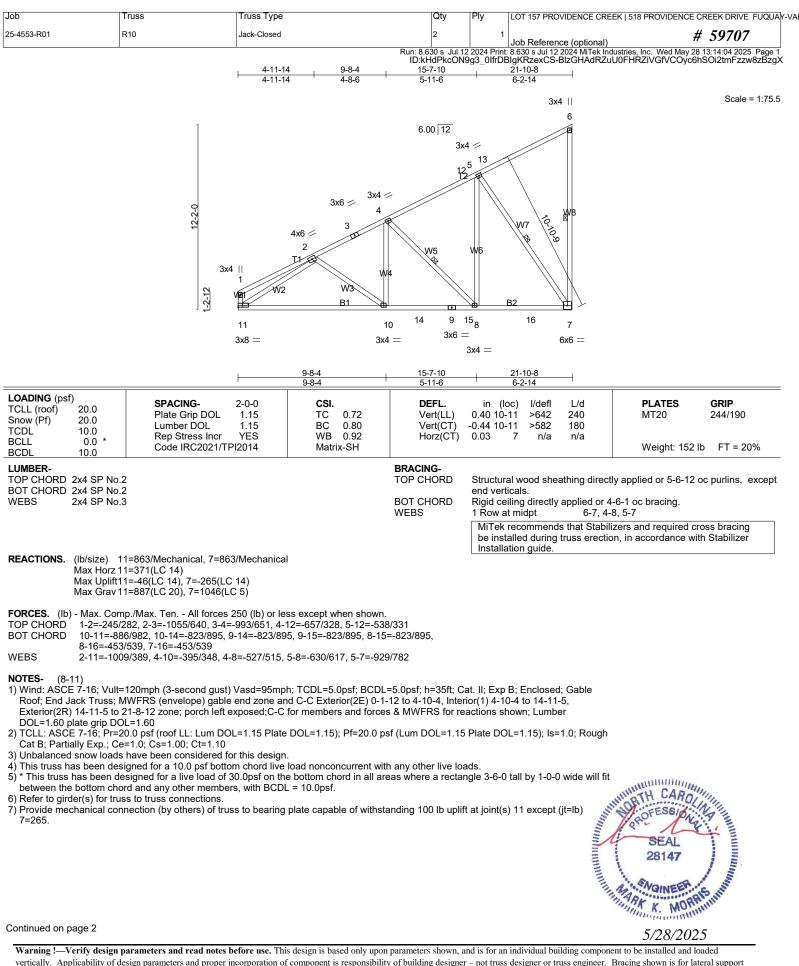


of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, 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 157 PROVIDENCE CREEK 518 PROVID	ENCE CREEK DRIVE FUQUAY
25-4553-R01	R09	Jack-Closed	3	1	Job Reference (optional)	# 59707
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LOAD CASE(S) Standard





ſ	Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDE	NCE CREEK DRIVE FUQUA	Y-VAF
	25-4553-R01	R10	Jack-Closed	2	1	Job Reference (optional)	# 59707	
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un: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:05 2025 Page $\widehat{2}^{-1}$ ID:kHdPkcON9g3_0lfrDBIgKRzexCS-gxXfUWe3KCcttR0IGCnu2Pw7LW1h79H0?viXSazBzgW

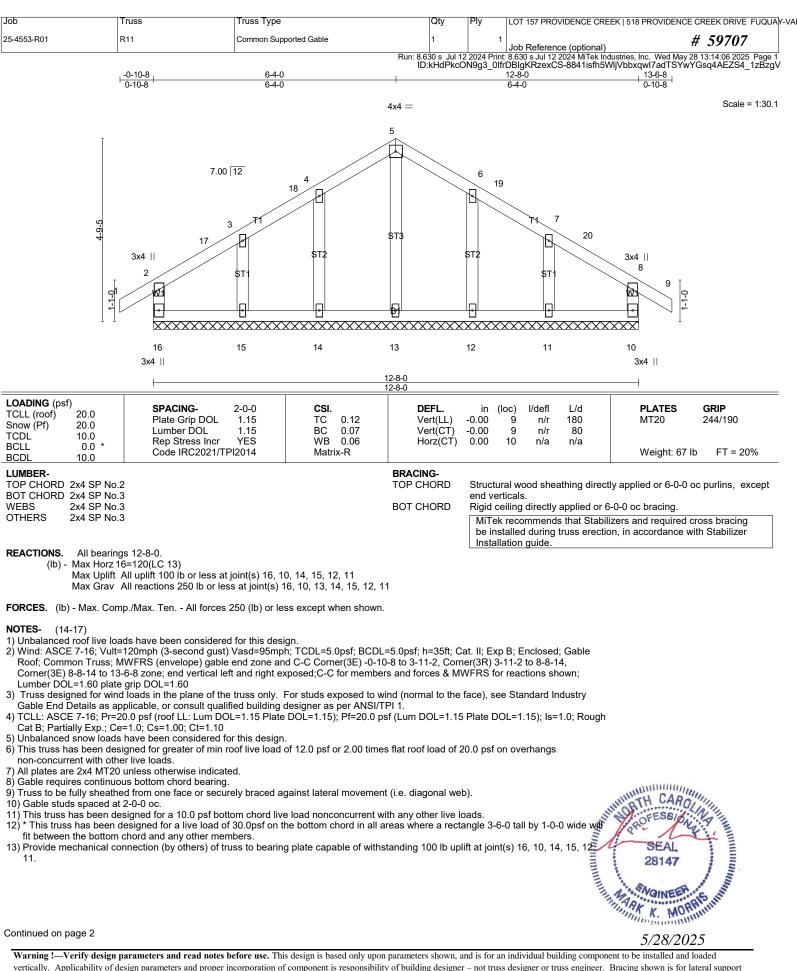
8) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 9) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural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

11) 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.

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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 Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

5/28/2025

Continued on page 2

	Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDEN	ICE CREEK DRIVE FUQUA	-VA
	25-4553-R01	R11	Common Supported Gable	1	1	Job Reference (optional)	# 59707	
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12) BigKRzexCS-8841ish5WijVbbxqwi7adTSYwVGsq4AEZS4_1zBzgV 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 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

 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



ob	Tru	SS	Truss Type		Qty	Ply LOT	157 PROVIDENCE	CREEK 518 PROVIDENCE	E CREEK DRIVE FUQUA
5-4553-R01	R12		Common Structural	Gable	1	1	Reference (option	·	# 59707
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	-0-10 0-10	0-8 6-11-0 D-8 6-11-0		<u>14-11-0</u> 8-0-0		-11-0 -0-0		-10-0 30-8-8 11-0 0-10-8	
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ate Offsets (X.Y	´) [2:0-2-0	<u>6-11-0</u> ,0-1-12], [5:0-4-0,0-5-7	5	-7-4	4-9-8	5-7-4		8-8 0-2-8	
DADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
now (Pf) 20	0.0 0.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC 0.81 BC 0.40	Vert(LL) Vert(CT)	0.09 1Ò-11 -0.11 10-11	>999 240 >999 180	MT20	244/190
CLL C	0.0 0.0 *	Rep Stress Incr Code IRC2021/TF	YES	WB 0.78 Matrix-SH	Horz(CT)	0.02 10	n/a n/a	Weight: 27	1 lb FT = 20%
DL 10 JMBER-	0.0				BRACING-				
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	4 SP No.3 4 SP No.3				BOT CHORD WEBS	Rigid ceiling 1 Row at mid		or 9-11-7 oc bracing. 4	
								abilizers and required ection, in accordance v	
EACTIONS. (Ib/	/size) 14= ⁻	1347/0-3-8 (min. 0-1-	10). 10=680/0-3-C) (min. 0-1-8). 16=4	458/0-3-8 (min. 0-	Installation		,	
Ma	ax Horz 16=-	-230(LC 12) -136(LC 14), 10=-131(,	. ,)			
		1367(LC 3), 10=729(L							
			250 (lb) or less e						
		Max. Ten All forces 5, 5-46=-20/344, 5-47=	-248/317, 6-47=-	510/295, 0-7409/	200, 1-0330/201				
2- P CHORD 2- 8-	-3=-317/156 -10=-364/21		,	,	,	,			
DP CHORD 2- 8- DT CHORD 15 10	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6	6, 5-46=-20/344, 5-47= 8, 2-16=-351/157 873, 15-48=-107/373, 1	14-48=-107/373, 1	12-51=-314/655, 11	1-51=-314/655,				
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OP CHORD 2- 8- OT CHORD 15 10 (EBS 3- 7 OTES- (12-15) Unbalanced roc	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, 3 7-10=-585/23) of live loads	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 73, 15-48=-107/373, 555 3-14=-629/223, 5-14=-34 have been considered 	14-48=-107/373, -922/380, 5-12=-4 d for this design.	12-51=-314/655, 11 39/532, 7-12=-583	1-51=-314/655, //379, 7-11=-228/2	71,			
DP CHORD 2- 8- 0T CHORD 15 10 EBS 3- 0 TES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, ; 7-10=-585/2;) of live loads 16; Vult=12 Truss; MW	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 6) 373, 15-48=-107/373, 1553 5) 3-14=-629/223, 5-14=-34 have been considered 0mph (3-second gust) FRS (envelope) gable 	14-48=-107/373, -922/380, 5-12=-4 d for this design.) Vasd=95mph; T(end zone and C-	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1	I-51=-314/655, /379, 7-11=-228/2 =5.0psf; h=35ft; C <i>i</i> 0-8 to 3-11-2, Inter	71, at. II; Exp B; E rior(1) 3-11-2	to 10-1-6,		
DP CHORD 2- 8- DT CHORD 16 10 EBS 3- DTES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common Exterior(2R) 10- porch right expo	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, '-10=-585/23) of live loads 16; Vult=12 Truss; MW -1-6 to 19-8 osed:C-C fo	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 773, 15-48=-107/373, 5 3-14=-629/223, 5-14=- 34 have been considered 0mph (3-second gust) FRS (envelope) gable -10, Interior(1) 19-8-10 r members and forces 	14-48=-107/373, -922/380, 5-12=-4 d for this design. Vasd=95mph; T(end zone and C- 0 to 25-10-14, Ext & MWFRS for re	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1 erior(2E) 25-10-14 actions shown: Lu	1-51=-314/655, /379, 7-11=-228/2; =5.0psf; h=35ft; Ca 0-8 to 3-11-2, Inter to 30-8-8 zone; en mber DOL=1.60 pl	71, at. II; Exp B; E rior(1) 3-11-2 d vertical left ate grip DOL=	to 10-1-6, and right expose 1.60		
DP CHORD 2- 8- DT CHORD 16 10 EBS 3- DTES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common Exterior(2R) 10 porch right expo	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, '-10=-585/23) of live loads 16; Vult=12 Truss; MW -1-6 to 19-8 osed:C-C fo	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 773, 15-48=-107/373, 5 3-14=-629/223, 5-14=- 34 have been considered 0mph (3-second gust) FRS (envelope) gable -10, Interior(1) 19-8-10 r members and forces 	14-48=-107/373, -922/380, 5-12=-4 d for this design. Vasd=95mph; T(end zone and C- 0 to 25-10-14, Ext & MWFRS for re	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1 erior(2E) 25-10-14 actions shown: Lu	1-51=-314/655, /379, 7-11=-228/2; =5.0psf; h=35ft; Ca 0-8 to 3-11-2, Inter to 30-8-8 zone; en mber DOL=1.60 pl	71, at. II; Exp B; E rior(1) 3-11-2 d vertical left ate grip DOL=	to 10-1-6, and right expose 1.60	Mutulinininini	4111.
DP CHORD 2- 8- DT CHORD 16 10 EBS 3- DTES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common Exterior(2R) 10- porch right expo	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, '-10=-585/23) of live loads 16; Vult=12 Truss; MW -1-6 to 19-8 osed:C-C fo	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 773, 15-48=-107/373, 5 3-14=-629/223, 5-14=- 34 have been considered 0mph (3-second gust) FRS (envelope) gable -10, Interior(1) 19-8-10 r members and forces 	14-48=-107/373, -922/380, 5-12=-4 d for this design. Vasd=95mph; T(end zone and C- 0 to 25-10-14, Ext & MWFRS for re	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1 erior(2E) 25-10-14 actions shown: Lu	1-51=-314/655, /379, 7-11=-228/2; =5.0psf; h=35ft; Ca 0-8 to 3-11-2, Inter to 30-8-8 zone; en mber DOL=1.60 pl	71, at. II; Exp B; E rior(1) 3-11-2 d vertical left ate grip DOL=	to 10-1-6, and right expose 1.60	Mutulinininini	uning Lingun
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DP CHORD 2- 8- DT CHORD 15 (EBS 3- 0TES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common Exterior(2R) 10- porch right exoc	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, '-10=-585/23) of live loads 16; Vult=12 Truss; MW -1-6 to 19-8 osed:C-C fo	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 773, 15-48=-107/373, 5 3-14=-629/223, 5-14=- 34 have been considered 0mph (3-second gust) FRS (envelope) gable -10, Interior(1) 19-8-10 r members and forces 	14-48=-107/373, -922/380, 5-12=-4 d for this design. Vasd=95mph; T(end zone and C- 0 to 25-10-14, Ext & MWFRS for re	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1 erior(2E) 25-10-14 actions shown: Lu	1-51=-314/655, /379, 7-11=-228/2; =5.0psf; h=35ft; Ca 0-8 to 3-11-2, Inter to 30-8-8 zone; en mber DOL=1.60 pl	71, at. II; Exp B; E rior(1) 3-11-2 d vertical left ate grip DOL=	to 10-1-6, and right expose 1.60	Mutulinininini	S INTERNATIONAL STATE
OP CHORD 2- 8- OT CHORD 15 (EBS 3- 7 OTES- (12-15) Unbalanced roc Wind: ASCE 7- Roof; Common Exterior(2R) 10- porch right exoc	-3=-317/156 -10=-364/21 5-16=-107/3 0-11=-314/6 -15=0/269, -15=0/269, -15=0/269, -15=0/269, -1-55/23 -10=-585/23 10=-585/23	 b) 5-46=-20/344, 5-47= 8, 2-16=-351/157 773, 15-48=-107/373, 5 3-14=-629/223, 5-14=- 34 have been considered 0mph (3-second gust) FRS (envelope) gable -10, Interior(1) 19-8-10 r members and forces 	14-48=-107/373, -922/380, 5-12=-4 d for this design. Vasd=95mph; T(end zone and C- 0 to 25-10-14, Ext & MWFRS for re	12-51=-314/655, 11 39/532, 7-12=-583 CDL=5.0psf; BCDL C Exterior(2E) -0-1 erior(2E) 25-10-14 actions shown: Lu	1-51=-314/655, /379, 7-11=-228/2; =5.0psf; h=35ft; Ca 0-8 to 3-11-2, Inter to 30-8-8 zone; en mber DOL=1.60 pl	71, at. II; Exp B; E rior(1) 3-11-2 d vertical left ate grip DOL=	to 10-1-6, and right expose 1.60	Mutulinininini	25

vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is to fail individual 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 Trusse Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

[Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVID	ENCE CREEK DRIVE FUQUAY
	25-4553-R01	R12	Common Structural Gable	1	1	Job Reference (optional)	# 59707
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:09 2025 Page							May 28 13:14:09 2025 Page 2

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 not considered in the structural design of the truss to support the

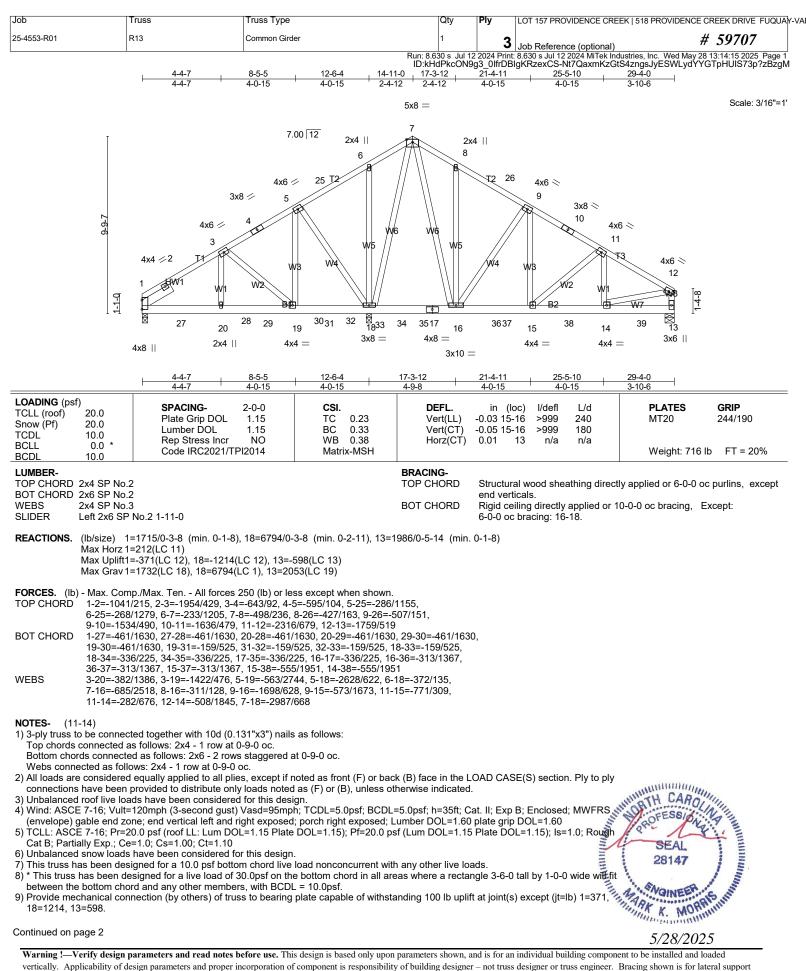
13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

 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- PERMANEŇŤ RESTRAING/BRĂCINĞ OF CHORĎS & 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





Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518	PROVIDENCE CREEK DRIVE FUQUAY-		
25-4553-R01	R13	Common Girder	1	3	Job Reference (optional)	# 59707		
Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:16 2025 Page 2 ID:kHdPkcON9g3_0IfrDBlgKRzexCS-r3hpoHnyka?Ji7MsP0TT_ku7NyuVCGXeX6tcLRzBzgL								

NOTES-(11-14)

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 699 lb down and 207 lb up at 2-0-12, 699 lb down and 207 lb up at 4-0-12 , 699 lb down and 207 lb up at 6-0-12, 697 lb down and 207 lb up at 8-0-12, 867 lb down and 66 lb up at 9-5-4, 867 lb down and 66 lb up at 11-5-4, 347 lb down and 22 lb up at 13-5-4, 347 lb down and 22 lb up at 15-5-4, 347 lb down and 22 lb up at 17-5-4, 518 lb down and 200 lb up at 19-5-4, 518 lb down and 200 lb up at 21-5-4, 518 lb down and 200 lb up at 23-5-4, and 518 lb down and 200 lb up at 25-5-4, and 518 lb down and 200 lb up at 27-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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

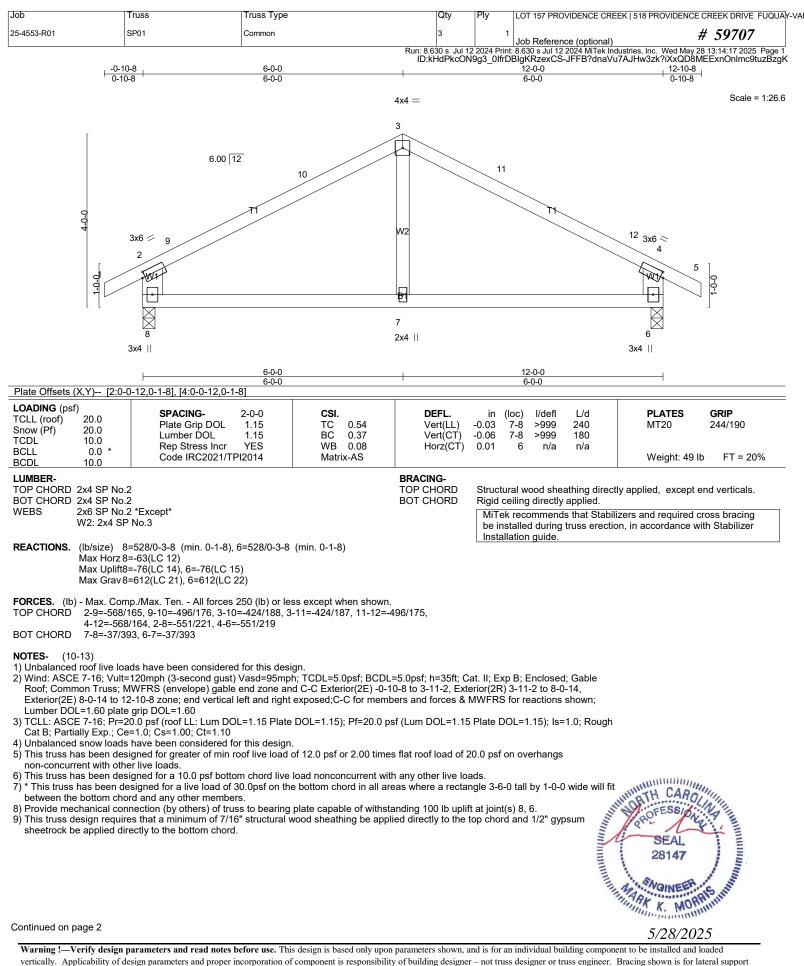
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-7=-60, 7-12=-60, 13-21=-20 Concentrated Loads (lb)

Vert: 16=-347(F) 15=-518(F) 14=-518(F) 27=-699(F) 28=-699(F) 29=-699(F) 30=-697(F) 31=-867(F) 33=-867(F) 34=-347(F) 35=-347(F) 36=-518(F) 38=-518(F) 38=-5 39=-518(F)





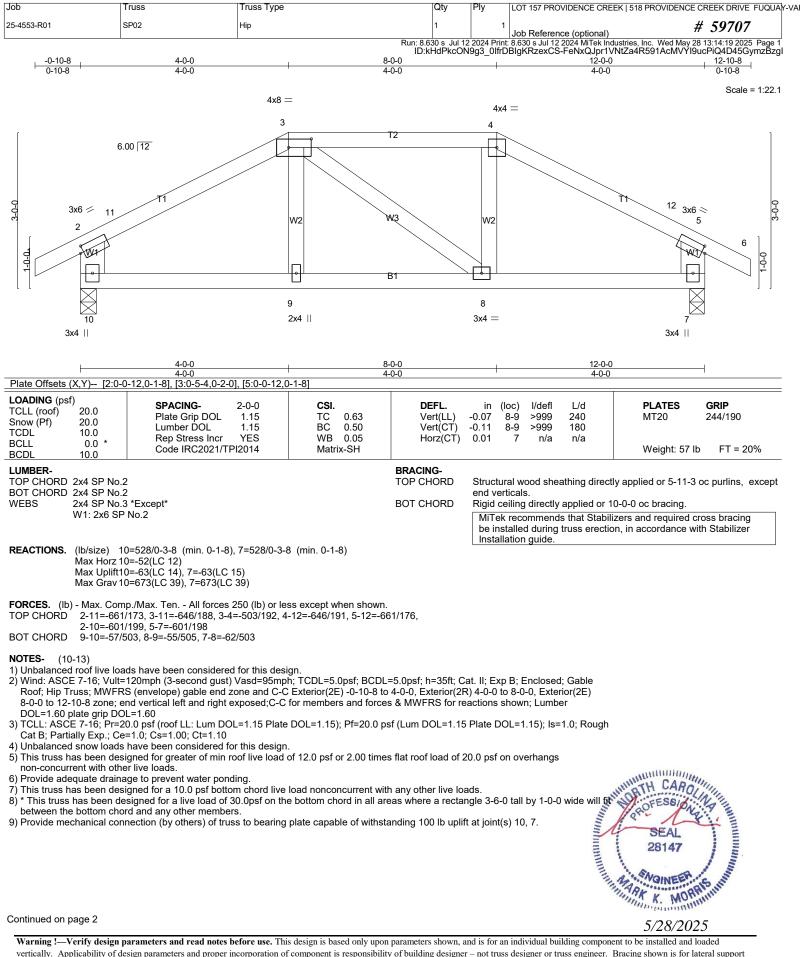
[Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDEN	ICE CREEK DRIVE FUQUA	Y-VAF
	25-4553-R01	SP01	Common	3	1	Job Reference (optional)	# 59707	
			Run: 8.6	630 s Jul 12	2024 Print	: 8.630 s Jul 12 2024 MiTek Industries. Inc. Wed M	av 28 13:14:17 2025 Page 2	

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- 10) 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. 11) 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.
- 12) 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. 13) 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





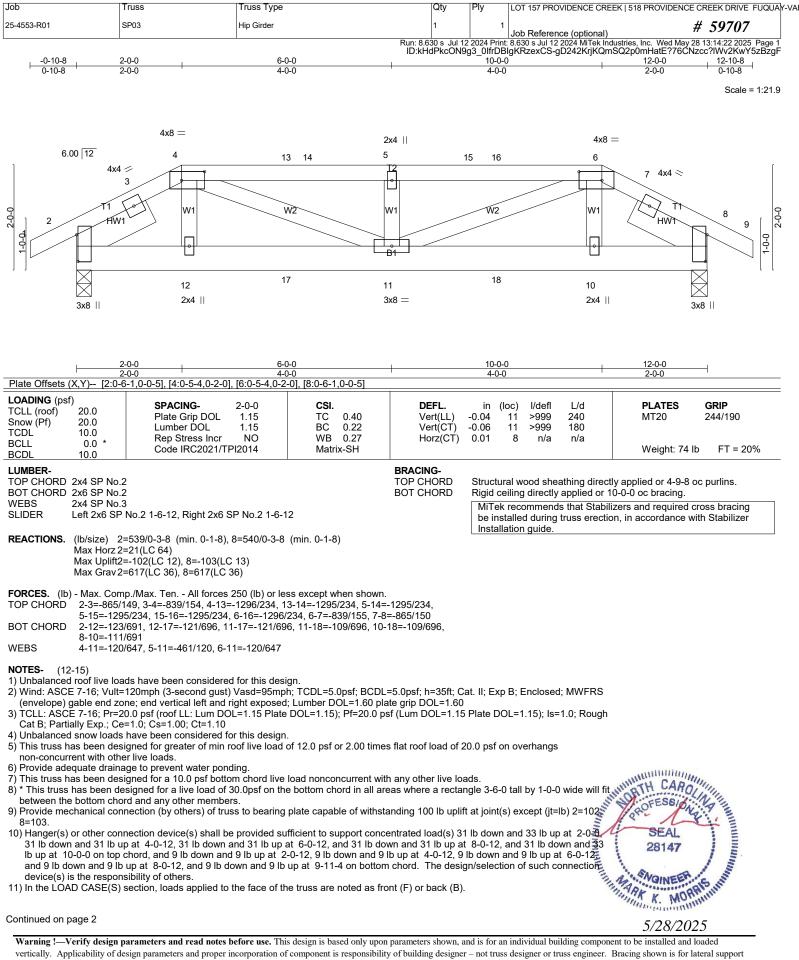
[Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDENCE CREEK DRIVE FUQ	UAY-VA
	25-4553-R01	SP02	Hip	1	1	Job Reference (optional) # 59707	
			Run: 8.6	30 s. Jul 12	2024 Print	: 8,630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:19 2025 Page	e 2

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- 10) 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. 11) 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.
- 12) 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. 13) 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





Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDENCE CREEK DRIVE FUQUA	Y-VA
25-4553-R01	SP03	Hip Girder	1	1	Job Reference (optional) # 59707	
		Run: 8.6	30 s Jul 12	2024 Print	: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:22 2025 Page 2	

Run: 8.630 s_Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:22 2025 Page 2 ID:kHdPkcON9g3_0IfrDBIgKRzexCS-gD242KrjKQmSQ2p0mHatE?76CNzcc?lWv2KwY5zBzgF

- 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

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

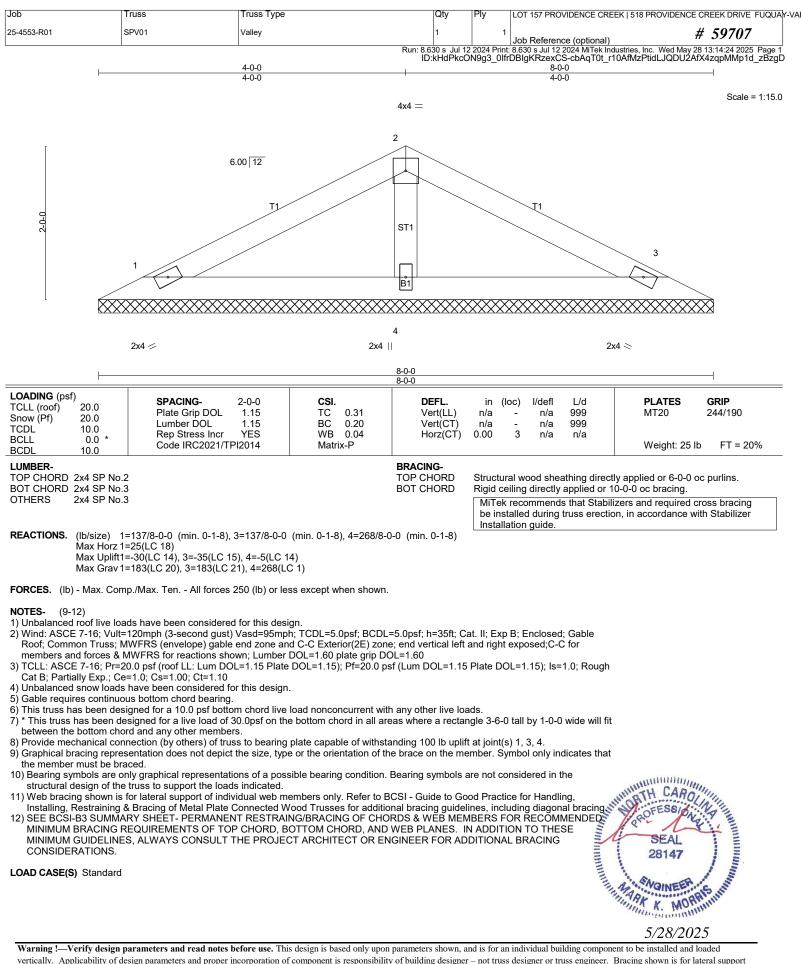
Uniform Loads (plf) Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20

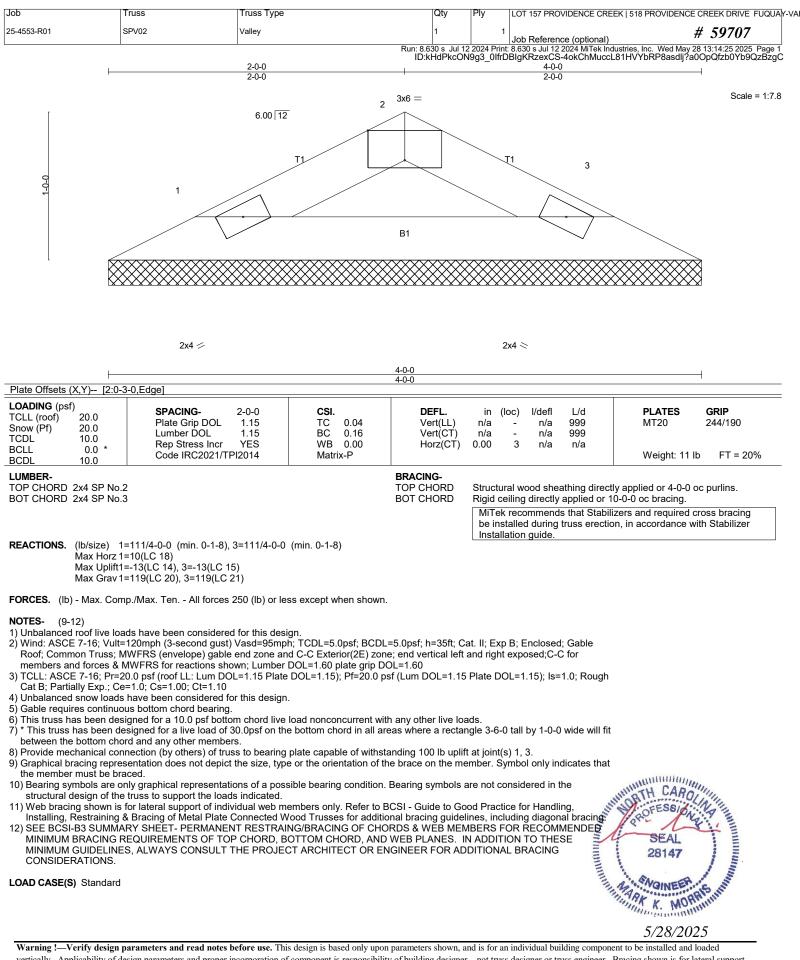
Concentrated Loads (lb)

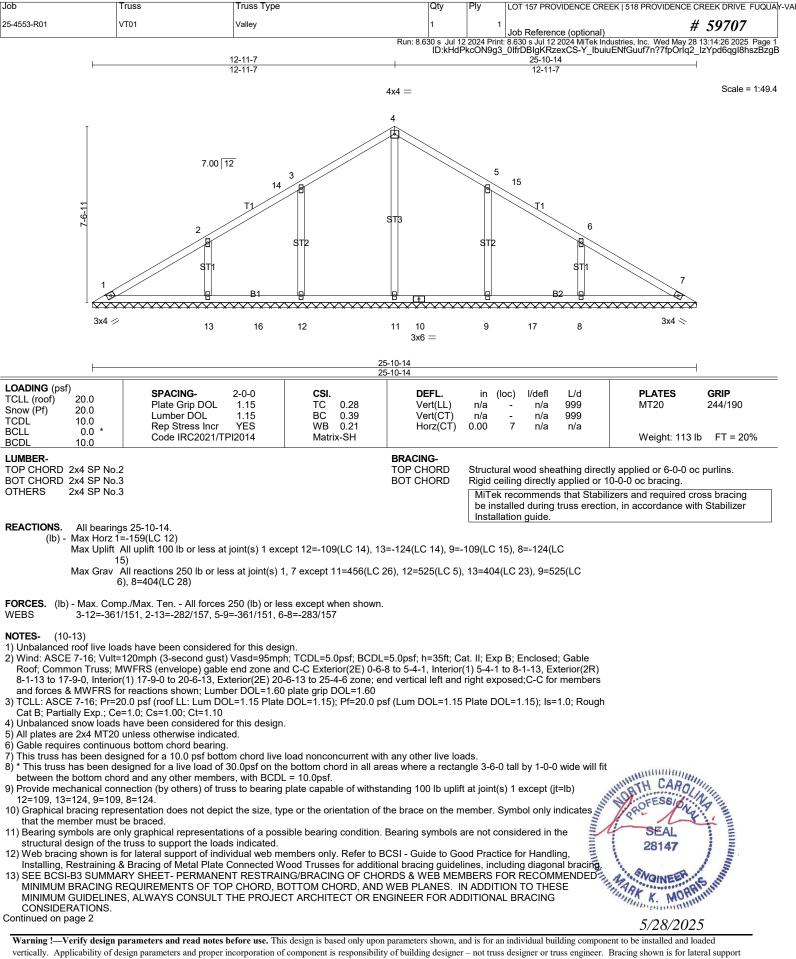
Vert: 4=-3(B) 6=-3(B) 12=0(B) 11=0(B) 5=-3(B) 10=0(B) 13=-3(B) 16=-3(B) 17=0(B) 18=0(B)



ob	Truss	Truss Type	Qty	Ply LOT 157 PR	OVIDENCE CREEK	518 PROVIDENCE CREEK DRIVE FUQUA	
5-4553-R01	SPJ01	Jack-Open	5	1 Job Refere	nce (optional)	# 59707	
		-0-10-8	Run: 8.630 s Jul 1 ID:kHdPkcON9g3 2-0-0	2 2024 Print: 8.630 s Jul 1 _0IfrDBIgKRzexCS-8P	2 2024 MiTek Indust cSGgsL5kuJ1CO	ries, Inc. Wed May 28 13:14:23 2025 Page 1 CK_56mCgMHmMnLWAg8i3U5YzBzgE	
		0-10-8	2-0-0				
				3		Scale = 1:13.1	
		6.00 12	2				
		2x4					
	9	2	Т1		φ		
	2-0-0			-7-5	2-0		
				<u>.</u>			
			B1				
]				l		
		5 2x4	II	4			
			2-0-0	1			
LOADING (psf)			2-0-0				
CLL (roof) 20.0 Snow (Pf) 20.0	SPACING- Plate Grip DOL	2-0-0 CSI. 1.15 TC 0.12	DEFL. Vert(LL)	in (loc) l/defl 0.00 5 >999	L/d 240	PLATES GRIP MT20 244/190	
CDL 10.0 CLL 0.0 *	Lumber DOL Rep Stress Inc	1.15 BC 0.04 r YES WB 0.00	Vert(CT) Horz(CT)	-0.00 4-5 >999 -0.00 3 n/a	180 n/a		
CDL 10.0	Code IRC2021	/TPI2014 Matrix-R				Weight: 9 lb FT = 20%	
.UMBER- OP CHORD 2x4 SP I	No.2		BRACING- TOP CHORD	Structural wood sh	eathing directly a	applied or 2-0-0 oc purlins, except	
OT CHORD 2x4 SP I VEBS 2x4 SP I			BOT CHORD	end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.			
						rs and required cross bracing in accordance with Stabilizer	
REACTIONS. (lb/size)	5=152/0-3-8 (min. 0-1-8	3), 3=41/Mechanical, 4=16/Mechan	lical	Installation guide.			
Max Ho	rz 5=41(LC 11) lift5=-15(LC 14), 3=-31(LC	,,					
	av 5=208(LC 21), 3=57(LC						
ORCES. (Ib) - Max. (Comp./Max. Ten All force	es 250 (lb) or less except when sho	own.				
I OTES- (9-12)) Wind: ASCE 7-16: V	ult=120mph (3-second au	st) Vasd=95mph; TCDL=5.0psf; BC	CDI =5 0nsf: h=35ft: C	at II: Exp B: Enclose	d. Gable		
Roof; End Jack Trus	s; MWFRS (envelope) gal	ble end zone and C-C Exterior(2E) shown; Lumber DOL=1.60 plate gri	zone; end vertical left				
) TCLL: ASCE 7-16; F		DOL=1.15 Plate DOL=1.15); Pf=20.		i Plate DOL=1.15); Is	=1.0; Rough		
) Unbalanced snow lo	ads have been considered		imes flat roof load of ?	20.0 psf.on.overband	6		
non-concurrent with	other live loads.	ttom chord live load nonconcurrent			5		
) * This truss has beer	n designed for a live load (of 30.0psf on the bottom chord in al			0 wide will fit		
) Refer to girder(s) for	chord and any other mem truss to truss connection	S.					
) Graphical bracing re	presentation (by others) of the presentation does not dep	truss to bearing plate capable of wir ict the size, type or the orientation	of the brace on the me	ember. Symbol only i	ndicates that		
the member must be 0) Bearing symbols ar	braced. e only graphical represent	ations of a possible bearing condition	ion. Bearing symbols	are not considered in	the	BTH CAROLINI	
structural design of	the truss to support the lo is for lateral support of in	ads indicated. idividual web members only. Refer	to BCSI - Guide to Go	ood Practice for Hand	lling,	OROFESGION PITT	
 Web bracing shown 	ng & Bracing of Metal Plat	te Connected Wood Trusses for ad IENT RESTRAING/BRACING OF C	ditional bracing guide CHORDS & WEB MEN	lines, including diago //BERS FOR RECON	nal bracing.	SEAL	
 Web bracing showr Installing, Restraini SEE BCSI-B3 SUM 	MARY SHEET- PERMAN						
 Web bracing shown Installing, Restraini SEE BCSI-B3 SUM MINIMUM BRACIN MINIMUM GUIDEL 	MARY SHEET- PERMAN G REQUIREMENTS OF T INES, ALWAYS CONSUL	OP CHORD, BOTTOM CHORD, A T THE PROJECT ARCHITECT OF	R ENGINEER FOR AD	DITIONAL BRACING		28147	
Installing, Restraini	MARY SHEET- PERMAN G REQUIREMENTS OF T INES, ALWAYS CONSUL 3.	OP CHORD, BOTTOM CHORD, A T THE PROJECT ARCHITECT OF	R ENGINEER FOR AD	DITIONAL BRACING	ESE IIIIIIII	28147	
 Web bracing shown Installing, Restraini 2) SEE BCSI-B3 SUM MINIMUM BRACIN MINIMUM GUIDEL CONSIDERATIONS COAD CASE(S) Standa 		OP CHORD, BOTTOM CHORD, A T THE PROJECT ARCHITECT OF	ND WEB PLANES. I R ENGINEER FOR AD	N ADDITION TO THI DITIONAL BRACING	ESE INHIMINI	28147	
		OP CHORD, BOTTOM CHORD, A T THE PROJECT ARCHITECT OF	ND WEB PLANES. 1 R ENGINEER FOR AD	N ADDITION TO THI	ESE INHIIIIIIII	SEAL 28147 5/28/2025	



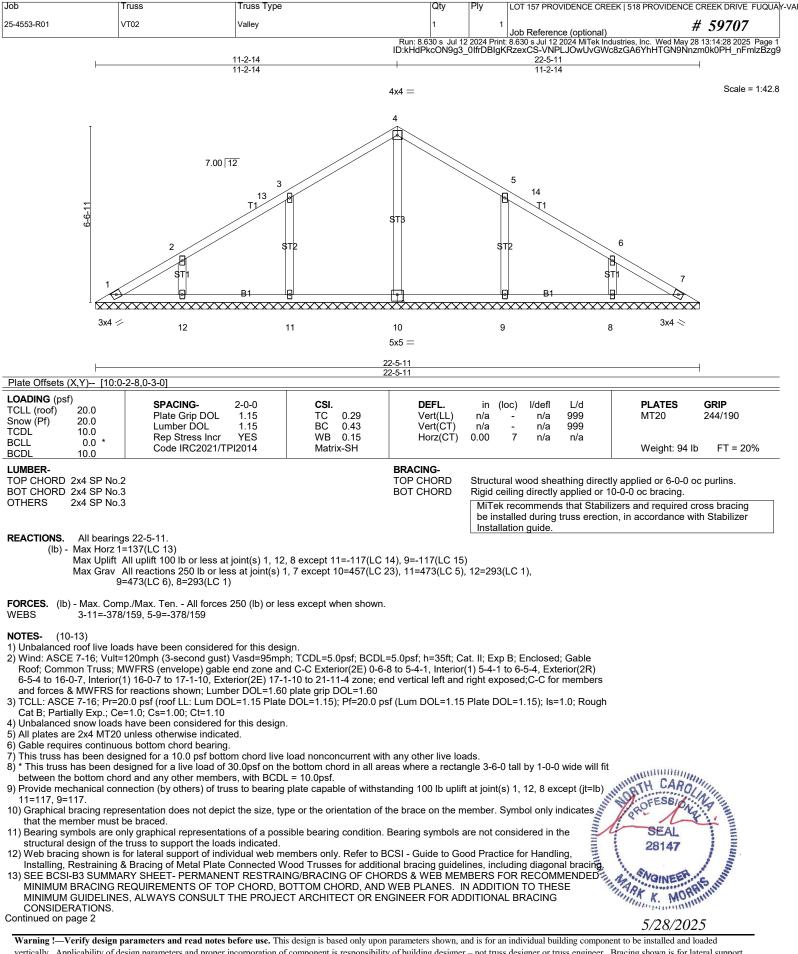




[Job	Truss	Truss Type	Qty	Ply	LOT 157 PROVIDENCE CREEK 518 PROVIDENCE CREEK DRIVE FUQUAY-
	25-4553-R01	VT01	Valley	1	1	Job Reference (optional) # 59707
			Run: 8.6			8.630 s Jul 12 2024 MiTek Industries, Inc. Wed May 28 13:14:26 2025 Page 2 _0IfrDBIgKRzexCS-Y_IbuiuENfGuuf7n?7fpOrlq2_IzYpd6qgI8hszBzgB

LOAD CASE(S) Standard





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 157 PROVIDENCE CREEK 518 PROVIDENCE C	REEK DRIVE FUQUA	/-VAF
25-4553-R01	VT02	Valley	1	1	Job Reference (optional)	t 59707	

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