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.

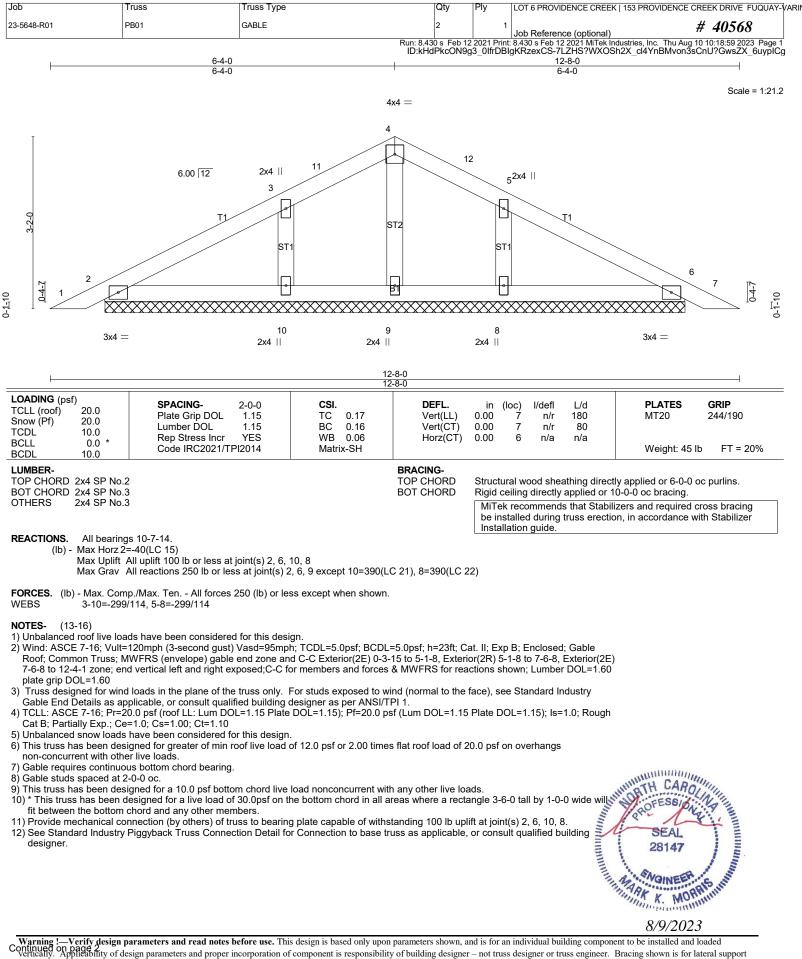
AST #: 40568 JOB: 23-5648-R01 JOB NAME: LOT 6 PROVIDENCE CREEK Wind Code: 37 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 23 These truss designs comply with IRC 2015 as well as IRC 2018. 29 Truss Design(s)

Trusses:

PB01, PB02, R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, SP01, SP02, SPJ01, SPJ02, SPJ03, VS01, VS02, VT01, VT02, VT03, VT04, VT05, VT06, VT07, VT08



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



Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PROVIDE	NCE CREEK DRIVE FUQUAY-	VARII
23-5648-R01	PB01	GABLE	2	1	Job Reference (optional)	# 40568	
		Run: 8.4	30 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc. Th	u Aug 10 10:18:59 2023 Page 2	

Run: 8.430 s_Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Aug 10 10:18:59 2023 Page 2 ID:kHdPkcON9g3_0IfrDBIgKRzexCS-7LZHS?WXOSh2X_cl4YnBMvon3sCnU?GwsZX_6uypICg

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.

 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

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



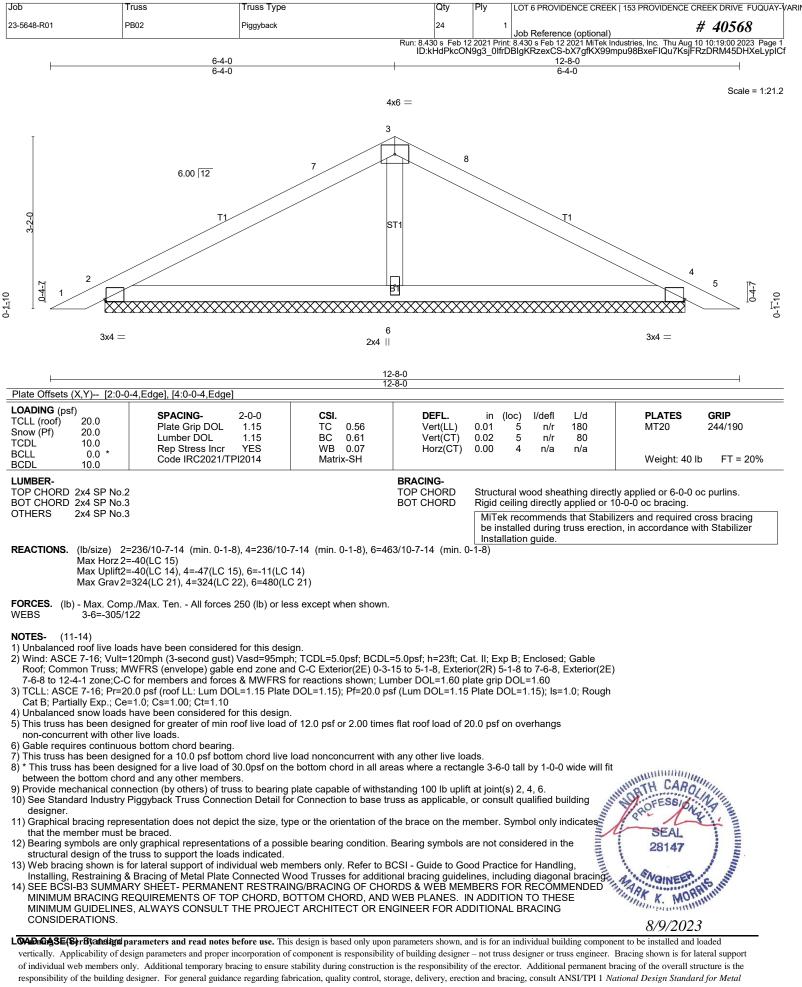
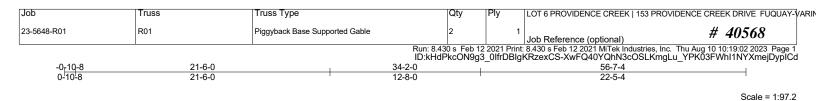
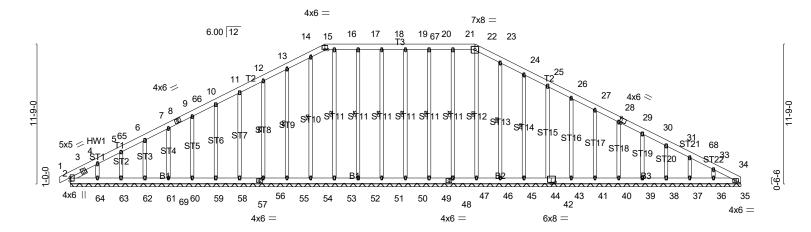


Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.





Ļ			56-7-4 56-7-4		
Plate Offsets (X,Y) [29:0	-2-1,Edge], [43:0-4-0,0-1-4], [48:0-2-1				
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 0.06 BC 0.03 WB 0.25 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d -0.00 1 n/r 180 0.00 1 n/r 80 0.01 34 n/a n/a	PLATES GRIP MT20 244/190 Weight: 559 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP No.2 BOT CHORD 2x6 SP No.2 OTHERS 2x4 SP No.3	2		BRACING- TOP CHORD BOT CHORD WEBS		
4 Max Grav 5 5 4		2, 61, 62, 63, 64, 46, 38 4(LC 52), 54=284(LC 5 5(LC 44), 47=287(LC 4 5(LC 45)	3, 37, 36, 35, 34 ex 53), 55=296(LC 45 14), 45=302(LC 49	xcept 50=292(LC 44),), 56=293(LC 45), 58=292(LC 45),	
TOP CHORD 13-14=-12	4/261, 14-15=-129/268, 15-16=-124/2 4/265, 19-67=-124/265, 20-67=-124/2	65, 16-17=-124/265, 17	7-18=-124/265,		
2) Wind: ASCE 7-16; Vult= Roof; Common Truss; M Corner(3R) 15-10-1 to 2 Corner(3E) 50-11-5 to 50	Ids have been considered for this desi 120mph (3-second gust) Vasd=95mp IWFRS (envelope) gable end zone an 7-1-15, Exterior(2N) 27-1-15 to 28-3-1 6-7-4 zone; end vertical left and right e grip DOL=1.60 I loads in the plane of the truss only. I oplicable, or consult qualified building e 0.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this design igned for greater of min roof live load of re live loads. age to prevent water ponding. unless otherwise indicated. us bottom chord bearing. 2-0-0 oc. signed for a 10.0 psf bottom chord live lesigned for a live load of 30.0psf on t chord and any other members, with B	h; TCDL=5.0psf; BCDL d C-C Corner(3E) -0-10 0, Corner(3R) 28-3-10 exposed;C-C for memb	0-8 to 4-9-7, Exter to 39-9-15, Exterio ers and forces & N	ior(2N) 4-9-7 to 15-10-1, or(2N) 39-9-15 to 50-11-5, MWFRS for reactions shown;	SEAL 28147
13) Provide mechanical co	nnection (by others) of truss to bearing	g plate capable of withs ຈີ ໄຂຈີອີກ ຮ້ຽວased only upor	standing 100 lb up	lift at joint(s) 2, 50, 51, 52, 55, 56, and is for an individual building componen	8/9/2023 t to be installed and loaded
vertically. Applicability of de	esign parameters and proper incorporation of	component is responsibilit	ty of building designe	er – not truss designer or truss engineer. Bi	acing shown is for lateral support

Vertically. Applieability 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 6 PROVIDENCE CREEK 153 PR	OVIDENCE CREEK DRIVE FUQUAY-VA
23-5648-R01	R01	Piggyback Base Supported Gable	2	1	Job Reference (optional)	# 40568
		Run [.] 84	30 s Feb 1	2 2021 Print	8 430 s Feb 12 2021 MiTek Industries 1	nc Thu Aug 10 10:19:03 2023 Page 2

un: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Aug 10 10:19:03 2023 Page 2 ID:kHdPkcON9g3_0IfrDBlgKRzexCS-?6poHMZ2ShBT0cwWJNs7WlyVITblQIHWnBVBFfypICc

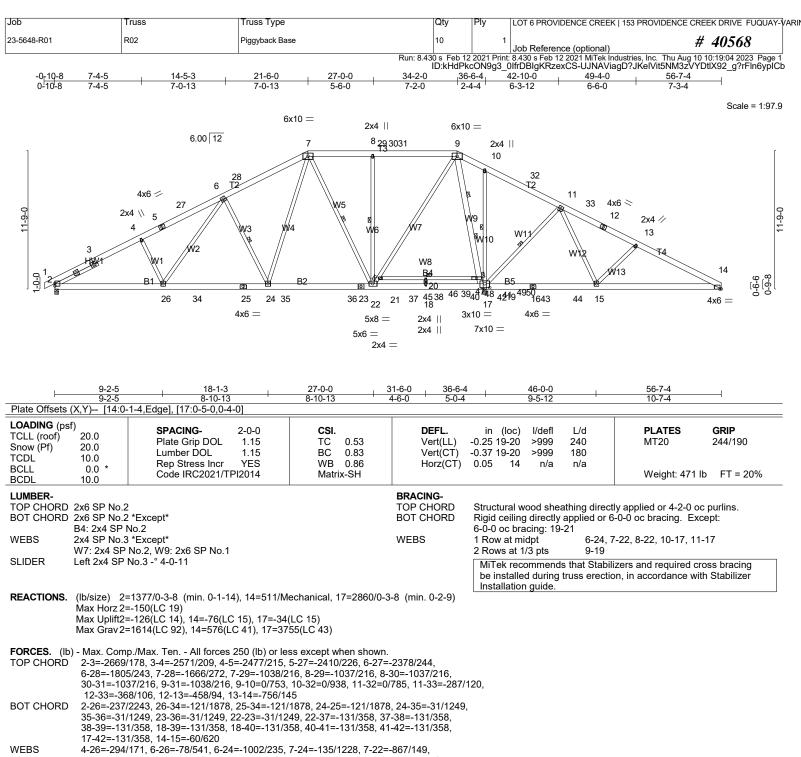
14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural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





8-22=-744/151, 21-22=-134/1727, 9-21=-114/1892, 9-19=-2031/135, 17-19=-2103/104. 10-17=-628/146, 11-17=-976/198, 11-15=-29/652, 13-15=-455/178, 18-20=-263/0

NOTES-(17-20)

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

Ne CARO 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 4-9-7, Interior(1) 4-9-7 to 15-10-1, Exterior(2R) 15-10-1 to 27-0-0, Interior(1) 27-0-0 to 28-6-1, Exterior(2R) 28-6-1 to 39-9-15, Interior(1) 39-9-15 to 50-10-9, Exterior(2E) 50-10-9 to 56-6-8 zone; end vertical left 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; Rough

AUTURNATION 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

Provide adequate drainage to prevent water ponding.

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.

MORPHS INTERNAL MORPHS INTERNA 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.

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8/9/2023

				'				
3-5648-R01	R02	Piggyback Base	10	1	Job Reference (opt	ional)	# 405	68
		F	Run: 8.430 s Feb 12	2021 Print:	8.430 s Feb 12 2021 N	/iTek Industries	s, Inc. Thu Aug 10 10:19:04 KelVit5NM3zVYDtIX92 g	2023 Page 2
IOTES- (17-20)				• =		0		
) * This truss has been on other members, with B		0.0psf on the bottom chord in all areas	where a rectang	gle 3-6-0	tall by 1-0-0 wide	will fit betwee	en the bottom chord a	nd any
0) Refer to girder(s) for t	truss to truss connections.							
1) Bearing at joint(s) 17 2) Provide mechanical c	considers parallel to grain v	value using ANSI/TPI 1 angle to grain t ss to bearing plate capable of withstan	formula. Building ding 100 lb uplif	g designe t at ioint(er should verify ca s) 14_17 except (it	bacity of bea	iring surface.	
3) Load case(s) 86, 87,	88, 89, 90, 91, 92, 93, 94, 9	95, 96, 97, 98, 99, 100, 101, 102, 103,						o verify
	or the intended use of this t SES – This design is the co	russ. mposite result of multiple load cases.						
5) User moving load cas	ses exist: Review the load c	ases for details.						
		he face of the truss are noted as front t the size, type or the orientation of the		ember. S	vmbol onlv indicate	es that the m	nember must be brace	d.
8) Bearing symbols are	only graphical representation	ons of a possible bearing condition. Be	aring symbols a	re not co	nsidered in the stru	uctural desig	in of the truss to suppo	ort the
loads indicated. 19) Web bracing shown is	s for lateral support of indivi	idual web members only. Refer to BCS	I - Guide to Goo	od Practio	e for Handling, Ins	stalling, Rest	training & Bracing of N	letal Plate
Connected Wood Tru	ISSES for additional bracing	guidelines, including diagonal bracing. T RESTRAING/BRACING OF CHORD						EMENTS
OF TOP CHORD, BC	TTOM CHORD, AND WEE	PLANES. IN ADDITION TO THESE		ELINES,	ALWAYS CONSU	JLT THE PR	OJECT ARCHITECT	OR
ENGINEER FOR ADI	DITIONAL BRACING CONS	SIDERATIONS.						
LOAD CASE(S) Standard								
36) 1st User Defined Mov Uniform Loads (plf)	/ing Load - Dead + Snow (b	palanced): Lumber Increase=1.15, Plate	e Increase=1.15					
Vert: 1-7=-60), 2-14=-20(F), 19-21=-20(F)						
Concentrated Loads								
37) 2nd User Defined Mo		balanced): Lumber Increase=1.15, Pla	te Increase=1.15	5				
Uniform Loads (plf) Vert: 1-7=-60	(F), 7-9=-60(F), 9-14=-60(F), 2-14=-20(F), 19-21=-20(F)						
Concentrated Loads Vert: 37=-150								
88) 3rd User Defined Mov		palanced): Lumber Increase=1.15, Plat	e Increase=1.15					
Uniform Loads (plf) Vert [.] 1-7=-60	(F) 7-9=-60(F) 9-14=-60(F), 2-14=-20(F), 19-21=-20(F)						
Concentrated Loads	(lb)	,,						
Vert: 39=-150 9) 4th User Defined Mov		palanced): Lumber Increase=1.15, Plat	e Increase=1.15					
Uniform Loads (plf)	(E) 7 0- 60(E) 0 14- 60(E) 2 14- 20(E) 10 21- 20(E)						
Concentrated Loads), 2-14=-20(F), 19-21=-20(F)						
Vert: 40=-150		palanced): Lumber Increase=1.15, Plat	e Increase=1 15					
Uniform Loads (plf)	c v	,						
Vert: 1-7=-60 Concentrated Loads), 2-14=-20(F), 19-21=-20(F)						
Vert: 17=-150) 41=-150							
Uniform Loads (plf)	elined Moving Load - Dead	+ Snow (balanced)-Parallel: Lumber Ir	icrease=1.15, P	late incre	ase=1.15			
Vert: 1-7=-32 Concentrated Loads		9-14=-32(F=-20), 2-14=-20(F), 19-21=-2	20(F)					
Vert: 22=-150) 37=-150							
92) 8th Unbal.1st User De Uniform Loads (plf)	efined Moving Load - Dead	+ Snow (balanced)-Parallel: Lumber Ir	ncrease=1.15, P	late Incre	ease=1.15			
Vert: 1-5=-60		7-9=-32(F=-20), 9-12=-101(F=-20), 12-	14=-60(F=-20), 2	2-14=-20	(F), 19-21=-20(F)			
Concentrated Loads								
	efined Moving Load - Dead	+ Snow (balanced)-Parallel: Lumber Ir	ncrease=1.15, P	late Incre	ease=1.15			
Uniform Loads (plf) Vert: 1-7=-32	(F=-20), 7-9=-101(F=-20), 9	9-14=-32(F=-20), 2-14=-20(F), 19-21=-2	20(F)					
Concentrated Loads								
94) 8th Unbal.1st User De		+ Snow (balanced)-Parallel: Lumber Ir	ncrease=1.15, P	late Incre	ase=1.15			
Uniform Loads (plf) Vert: 1-5=-60	(F=-20), 5-7=-101(F=-20), 7	7-9=-32(F=-20), 9-12=-101(F=-20), 12-	14=-60(F=-20). 2	2-14=-20	(F). 19-21=-20(F)			
Concentrated Loads	(lb)							
Vert: 22=-150 95) 7th Unbal.1st User Do		+ Snow (balanced)-Parallel: Lumber Ir	ncrease=1.15, P	late Incre	ase=1.15	10101	Multiminitititi	
Uniform Loads (plf)	C C	9-14=-32(F=-20), 2-14=-20(F), 19-21=-:				111109	IN CANOLINI	
Concentrated Loads	(lb)	,- 1732(120 <i>)</i> , 2-1420(F <i>)</i> , 13-21,	20(1)			in Sol	OF PAR PIT	
Vert: 22=-150 96) 8th Unbal 1st User D		+ Snow (balanced)-Parallel: Lumber Ir	ncrease=1 15 D	late Incre	ase=1 15	Inter	SEAL	
Uniform Loads (plf)	C C	, , , , , , , , , , , , , , , , , , ,				1111	28147	1111
Vert: 1-5=-60 Concentrated Loads		7-9=-32(F=-20), 9-12=-101(F=-20), 12-	14=-60(F=-20), 2	2-14=-20	(⊢), 19-21=-20(F)			
Vert: 22=-150	37=-150	L Chow (hologrand) Devellations		lata la		11, 14	NOINEER S	
97) 7th Unbal.1st User De Uniform Loads (plf)	enned woving Load - Dead	+ Snow (balanced)-Parallel: Lumber Ir	icrease=1.15, P	late Incre	ease=1.15	MAR	SEAL 28147	
	(F=-20), 7-9=-101(F=-20), 9	9-14=-32(F=-20), 2-14=-20(F), 19-21=-2	20(F)			14	An tel	
							0/0/2022	

Qty

Ply

LOT 6 PROVIDENCE CREEK | 153 PROVIDENCE CREEK DRIVE FUQUAY-VARIN

8/9/2023

Job

Truss

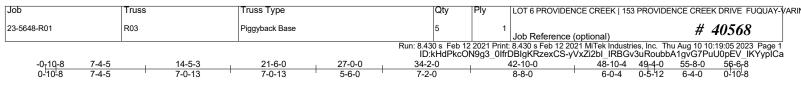
Truss Type

IJ	ob	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 I	PROVIDENCE CREEK DRIVE FUQUAY-	VARIN
2	3-5648-R01	R02	Piggyback Base	10	1	Job Reference (optional)	# 40568	
			Run: 8/13	0 s Eeb 12	2021 Print	8 130 s Eeb 12 2021 MiTek Industrie	s Inc. Thu Aug 10 10:10:04 2023 Page 3	í.

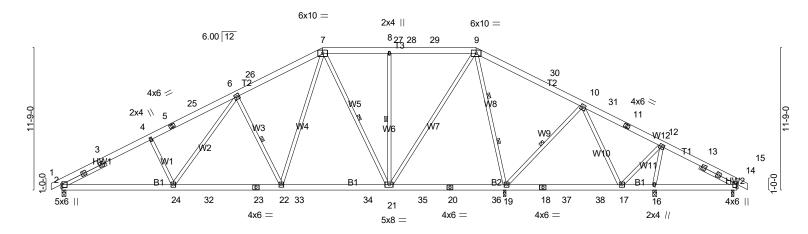
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LOAD CASE(S) Concentrated Loads (Ib)	
Vert: 22=-150 37=-150	
98) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)	
Vert: 1-Š=-60(F=-20), 5-7=-101(F=-20), 7-9=-32(F=-20), 9-12=-101(F=-20), 12-14=-60(F=-20), 2-14=-20(F), 19-21=-20(F)	
Concentrated Loads (lb) Vert: 22=-150 37=-150	
99) 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), 9-14=-32(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (lb)	
Vert: 22=-150 37=-150	
100) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)	
Vert: 1-5=-60(F=-20), 5-7=-101(F=-20), 7-9=-32(F=-20), 9-12=-101(F=-20), 12-14=-60(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (lb)	
Vert: 22=-150 37=-150 101) 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), 9-14=-32(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (Ib)	
Vert: 22=-150 37=-150 102) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15	
Úlniform Loads (plf)	
Vert: 1-5=-60(F=-20), 5-7=-101(F=-20), 7-9=-32(F=-20), 9-12=-101(F=-20), 12-14=-60(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (Ib)	
Vert: 22=-150 37=-150	
103) 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), 9-14=-32(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (lb)	
Vert: 22=-150 37=-150 104) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf)	
Vert: 1-5=-60(F=-20), 5-7=-101(F=-20), 7-9=-32(F=-20), 9-12=-101(F=-20), 12-14=-60(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (lb)	
Vert: 22=-150 37=-150 105) 7th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15	
Úniform Loads (plf)	
Vert: 1-7=-32(F=-20), 7-9=-101(F=-20), 9-14=-32(F=-20), 2-14=-20(F), 19-21=-20(F) Concentrated Loads (lb)	
Vert: 22=-150 37=-150 106) 8th Unbal.1st User Defined Moving Load - Dead + Snow (balanced)-Parallel: Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf) Vert: 1-5=-60(F=-20), 5-7=-101(F=-20), 7-9=-32(F=-20), 9-12=-101(F=-20), 12-14=-60(F=-20), 2-14=-20(F), 19-21=-20(F)	
Concentrated Loads (lb) Vert: 22=-150 37=-150	





Scale = 1:95.0



9-2-5		27-0-0 8-10-13	<u>36-6-4</u> 9-6-4	46-0-0 9-5-12	$+\frac{48-10-4}{2-10-4}$ 55-5-8 55 ₇ 8-0 6-7-4 0-2-8
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 0.72 BC 0.66 WB 0.94 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d -0.17 22-24 >999 240 -0.26 22-24 >999 180 0.05 19 n/a n/a	PLATES GRIP MT20 244/190 Weight: 442 lb FT = 20%
LUMBER- FOP CHORD 2x6 SP No 30T CHORD 2x6 SP No B2: 2x6 SF WEBS 2x4 SP No W8: 2x4 SF SLIDER Left 2x4 SF	.2 *Except* 2 DSS .3 *Except*		BRACING- TOP CHORD BOT CHORD WEBS	2 Rows at 1/3 pts 9-19 MiTek recommends that Stabi	
(lb) - Max Horz Max Uplift Max Grav FORCES. (lb) - Max. Con FOP CHORD 2-3=-267 6-26=-18 28-29=-9 30T CHORD 2-24=-25 33-34=-3 WEBS 4-24=-30	2=148(LC 14) All uplift 100 lb or less at joint(s) 15 All reactions 250 lb or less at joint(43) mp./Max. Ten All forces 250 (lb) or 2/222, 3-4=-2578/253, 4-5=-2500/26 24/290, 7-26=-1676/318, 7-27=-916 15/271, 9-29=-916/271, 9-30=0/790 6/2251, 24-32=-137/1864, 23-32=-1 5/1169, 21-34=-35/1169 7/172, 6-24=-81/537, 6-22=-999/236 3/150, 9-21=-133/1632, 9-19=-2115	, 14, 16 except 2=-136(LC s) except 2=1592(LC 39), except 2=1592(L	19=3095(LC 45), - 2386/288, 3=-915/271, 0/106, 13-14=-274 4, 22-33=-35/1169 917/132,	/68	
2) Wind: ASCE 7-16: Vult	ads have been considered for this d =120mph (3-second gust) Vasd=95 RS (envelope) gable end zone and (ior(1) 27-0-0 to 28-7-3, Exterior(2R) right exposed ; end vertical left and imber DOL=1.60 plate grip DOL=1.15 Pl 20.0 psf (roof LL: Lum DOL=1.15 Pl	nph: TCDL=5.0psf: BCDL	L=5.0psf; h=23ft; C 0 4-8-5, Interior(1) r(1) 39-8-13 to 50- t exposed;C-C for osf (Lum DOL=1.15		NUMBTH CARO

[Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PROV	IDENCE CREEK DRIVE FUQUAY-VA
	23-5648-R01	R03	Piggyback Base	5	1	Job Reference (optional)	# 40568
						8.430 s Feb 12 2021 MiTek Industries, Inc.	

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.

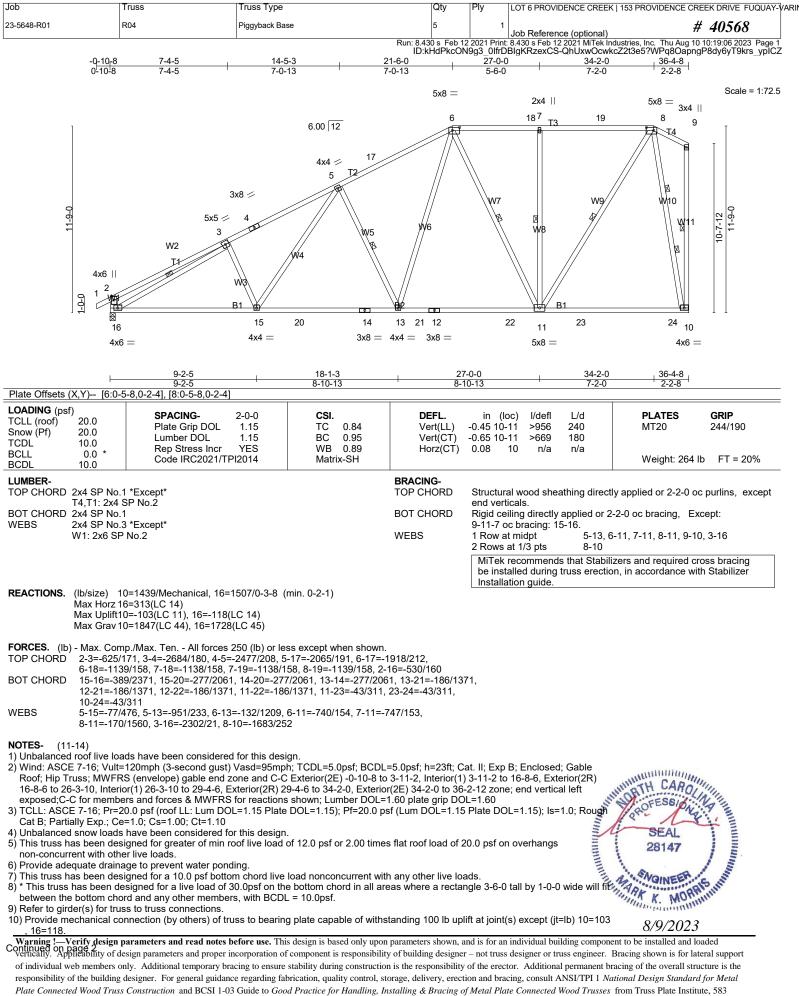
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 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

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





D'Onofrio Drive, Madison, WI 53719.

[Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PROVID	ENCE CREEK DRIVE FUQUAY-	/ARIN
	23-5648-R01	R04	Piggyback Base	5	1	Job Reference (optional)	# 40568	
			Run: 8.4	30 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc. T	hu Aug 10 10:19:06 2023 Page 2	

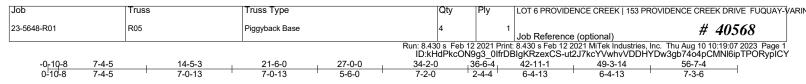
ID:kHdPkcON9g3_0lfrDBlgKRzexCS-QhUxwOcwkcZ2t3e5?WPq8OapngP8dy6yT9krs_ypICZ 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 12) Bearing symbols are only graphical representations of 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

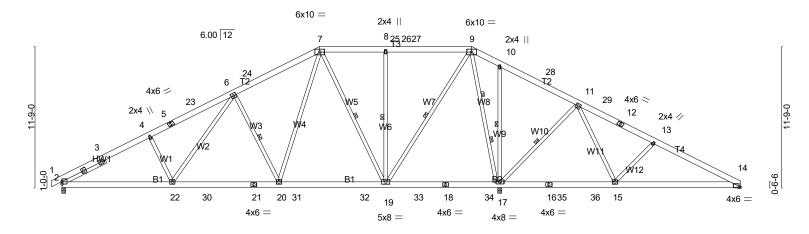
Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Scale: 1/8"=1'



9-2-5	18-1-3 8-10-13	27-0-0 8-10-13	<u>36-6-4</u> 9-6-4	46-1-8 9-7-4	56-7-4 10-5-12
Plate Offsets (X,Y) [14	0-1-4,Edge]				
LOADING (psf) FCLL (roof) 20.0 Snow (Pf) 20.0 FCDL 10.0 3CLL 0.0 3CDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.51 BC 0.64 WB 0.99 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d -0.16 20-22 >999 240 -0.25 20-22 >999 180 0.05 14 n/a n/a	PLATES GRIP MT20 244/190 Weight: 449 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP No 30T CHORD 2x6 SP No B2: 2x6 SI WEBS 2x4 SP No	0.2 *Except* 9 DSS		BRACING- TOP CHORD BOT CHORD WEBS	2 Rows at 1/3 pts 9-17 MiTek recommends that Stabili	
Max Hórz Max Uplifi	2=1335/0-3-8 (min. 0-1-12), 17=276/ 2=-150(LC 15) 2=-136(LC 14), 17=-108(LC 15), 14= 2=1502(LC 39), 17=3481(LC 45), 14:	-77(LC 15)	475/Mechanical		
TOP CHORD 2-3=-252 6-24=-16 26-27=-6 12-13=-4 30T CHORD 2-22=-25 31-32=-5 17-34=-4 WEBS 4-22=-31 8-19=-74	mp./Max. Ten All forces 250 (lb) or 3/198, 3-4=-2430/227, 4-5=-2352/23 66/260, 7-24=-1529/289, 7-25=-825/. 25/241, 9-27=-826/241, 9-10=0/842, 11/99, 13-14=-698/145 5/2121, 22-30=-140/1753, 21-30=-14 2/1114, 19-32=-52/1114, 19-33=-406 06/229, 14-15=-60/568 0/170, 6-22=-79/542, 6-20=-1004/23: 2/151, 9-19=-161/1721, 9-17=-1966/ 3/635, 13-15=-444/175	3, 5-23=-2269/243, 6-23= 241, 8-25=-824/241, 8-26 10-28=0/1014, 11-28=0/6 0/1753, 20-21=-140/1753 /229, 18-33=-406/229, 18 5, 7-20=-128/1268, 7-19=	-2237/261, =-825/241, 363, 12-29=-323/1 3, 20-31=-52/1114 3-34=-406/229, -1001/131,		
NOTES- (12-15) 1) Unbalanced roof live lo 2) Wind: ASCE 7-16; Vul Roof; Hip Truss; MWF 15-10-1 to 27-0-0, Inte 56-6-8 zone; end vertio grip DOL=1.60 8) TCLL: ASCE 7-16; Pre- Cat B; Partially Exp; C	bads have been considered for this de =120mph (3-second gust) Vasd=95n RS (envelope) gable end zone and C rior(1) 27-0-0 to 28-6-1, Exterior(2R) : :al left and right exposed;C-C for mer :20.0 psf (roof LL: Lum DOL=1.15 Pla :e=1.0; Cs=1.00; Ct=1.10 is have been considered for this design signed for greater of min roof live loa ner live loads. hage to prevent water ponding. 0 unless otherwise indicated. signed for a 10.0 psf bottom chord live lesigned for a live load of 30 Onsf on	sign. ph; TCDL=5.0psf; BCDL -C Exterior(2E) -0-10-8 to 8-6-1 to 39-9-15, Interior hers and forces & MWFI te DOL=1.15); Pf=20.0 pr m.	=5.0psf; h=23ft; C o 4-9-7, Interior(1) (1) 39-9-15 to 50- RS for reactions s sf (Lum DOL=1.15	at. II; Exp B; Enclosed; Gable 4-9-7 to 15-10-1, Exterior(2R) 10-9, Exterior(2E) 50-10-9 to hown; Lumber DOL=1.60 plate 5 Plate DOL=1.15); Is=1.0; Rough 20.0 psf on overhangs	SEAL 28147

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.

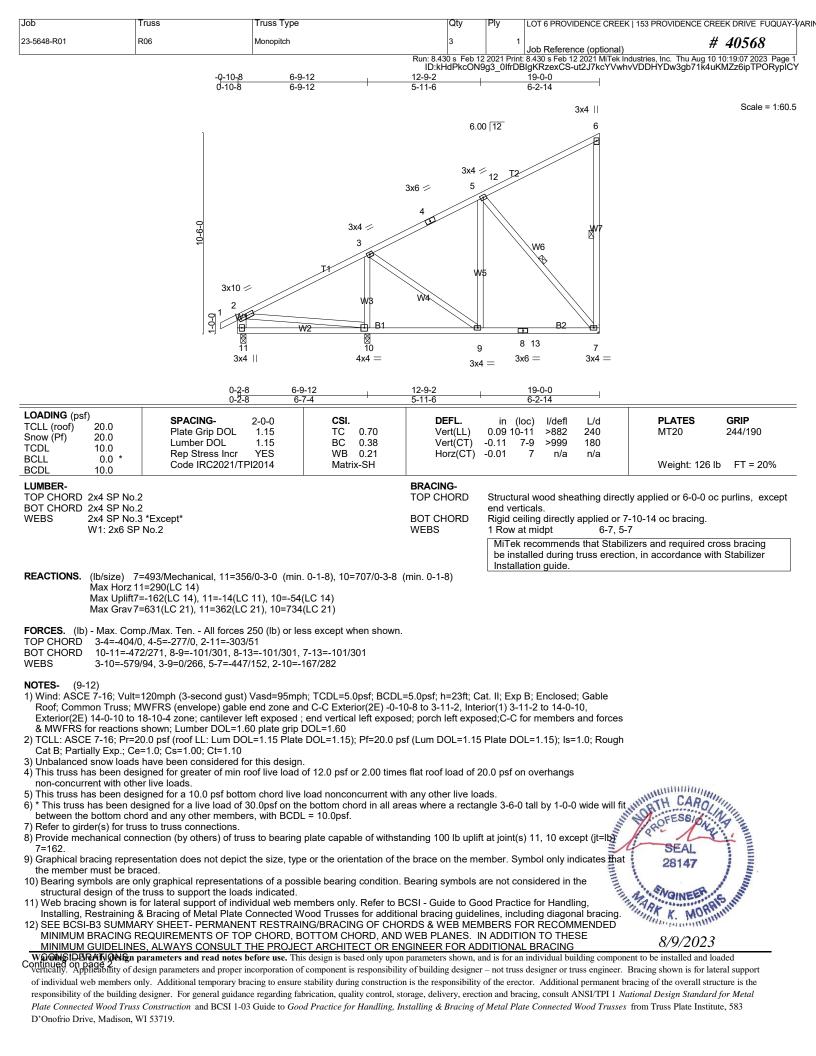
Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK	153 PROVIDENCE CREEK DRIVE FUQUAY-VARI
23-5648-R01	R05	Piggyback Base	4	1	Job Reference (optional)	# 40568
						ustries, Inc. Thu Aug 10 10:19:07 2023 Page 2

NOTES- (12-15)

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=136, 17=108.
- 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 ENCINEER FOR ADDITIONAL DEACING CONCEPTENTIONS. ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



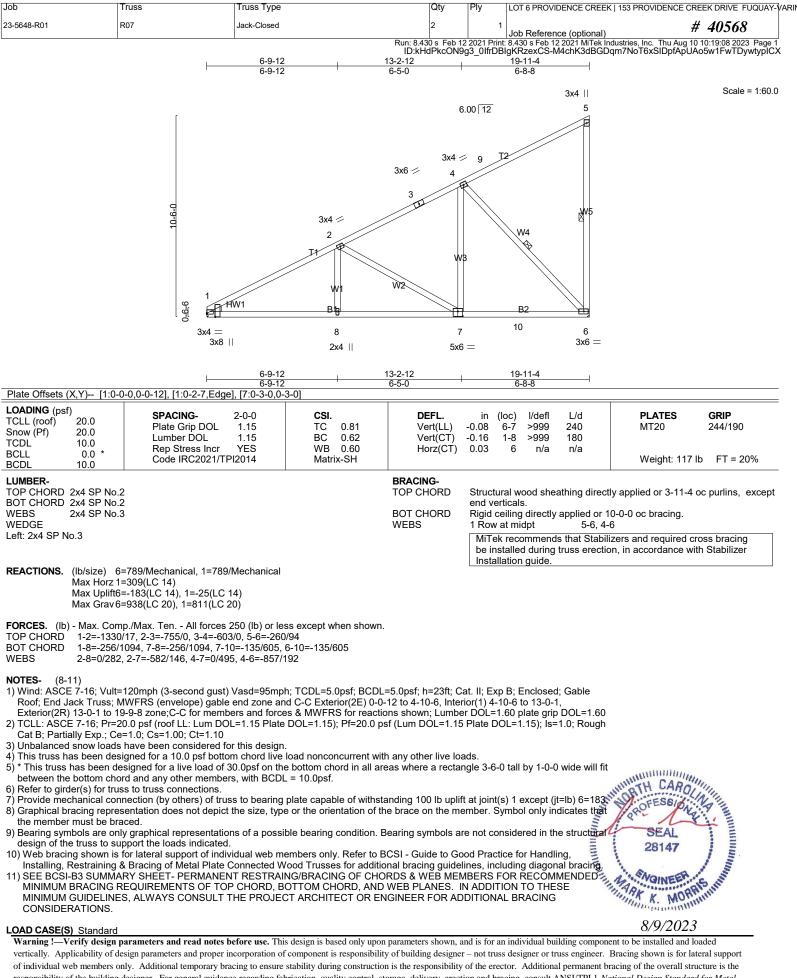


Job Truss	Truss Type	Qty F	Ply LOT 6 PROVI	DENCE CREEK 153 PROVIDENCE CREEK DRIVE_FUQUAY-¥AR
23-5648-R01 R06	Monopitch	3	1 Job Referen	ce (optional) # 40568

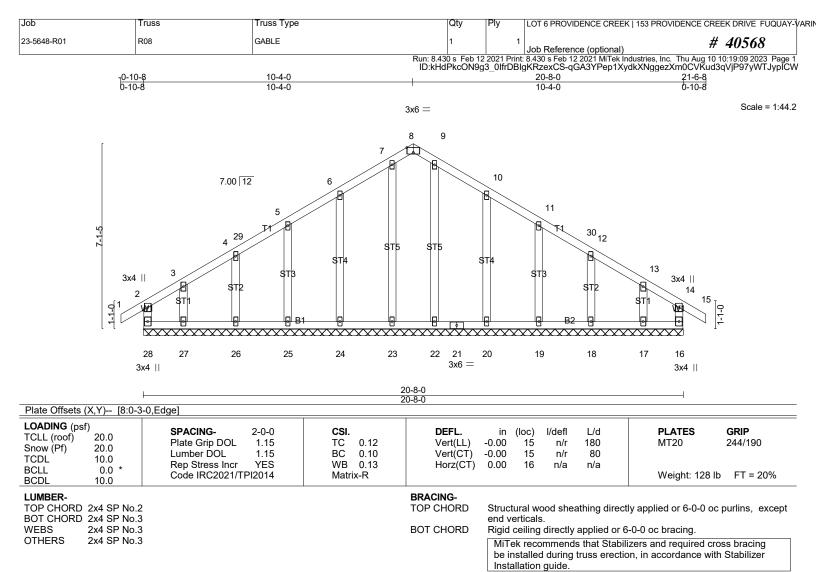
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Aug 10 10:19:07 2023 Page 2 ID:kHdPkcON9g3_0lfrDBlgKRzexCS-ut2J7kcYVwhvVDDHYDw3gb71k4uKMZz6ipTPORypICY

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 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.



REACTIONS. All bearings 20-8-0.

(lb) - Max Horz 28=152(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 28, 16, 24, 25, 26, 27, 20, 19, 18, 17

Max Grav All reactions 250 lb or less at joint(s) 28, 16, 23, 25, 26, 27, 22, 19, 18, 17 except 24=302(LC 5),

20=302(LC 6)

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

NOTES-(14-17)

- 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=23ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 3-11-2, Exterior(2N) 3-11-2 to 5-6-4, Corner(3R) 5-6-4 to 15-1-12, Exterior(2N) 15-1-12 to 16-8-14, Corner(3E) 16-8-14 to 21-6-8 zone; 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 PROFESSI 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.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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) 28, 16, 24, 25, 26, 27 . 20. 19. 18. 17.

9/2023 I'd and 8/9/2023 Warning !--Verify design parameters and read notes before use. This design is based only upon parameters shown, and is tot an increased continued on page 2. Continued on page 2. Vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss designer. Bracing shown is for lateral support vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss designer. Bracing shown is for lateral support vertically. 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.

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Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PR	OVIDENCE CREEK DRIVE FUQUAY-V
23-5648-R01	R08	GABLE	1	1	Job Reference (optional)	# 40568
		Run: 8.43	0 s Feb 12	2021 Print	8.430 s Feb 12 2021 MiTek Industries, I	nc. Thu Aug 10 10:19:09 2023 Page 2

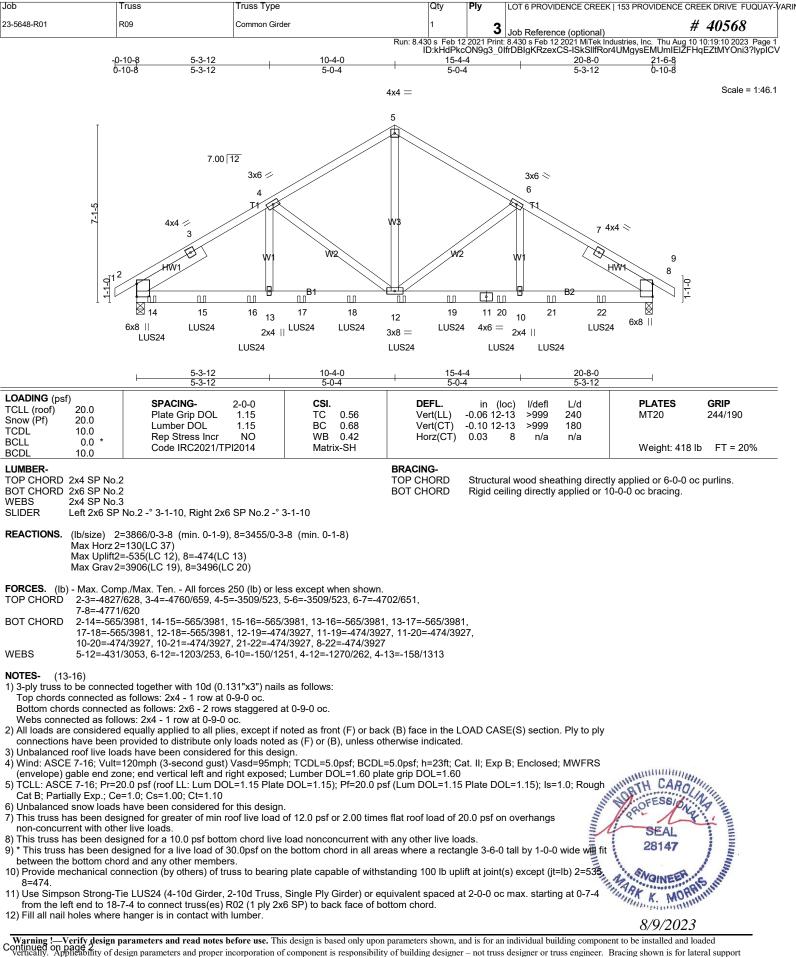
ID:RHdPkcON9g3_0lfrDBlgKRzexCS-qGA3YPep1XydkXNggeZm0CVKud3qVjP97yWTJyplCW 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are not considered in the structural design 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





Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PROV	IDENCE CREEK DRIVE FUQUAY-VA
23-5648-R01	R09	Common Girder	1	3	Job Reference (optional)	# 40568
		Run: 8.4	30 s Feb 1	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industries, Inc.	Thu Aug 10 10:19:11 2023 Page 2

ID:kHdPkcON9g3_0lfrDBlgKRzexCS-nflqz5f328CL_qX2n3??rRHk7hATIKchcRRcXCyplCU
 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

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

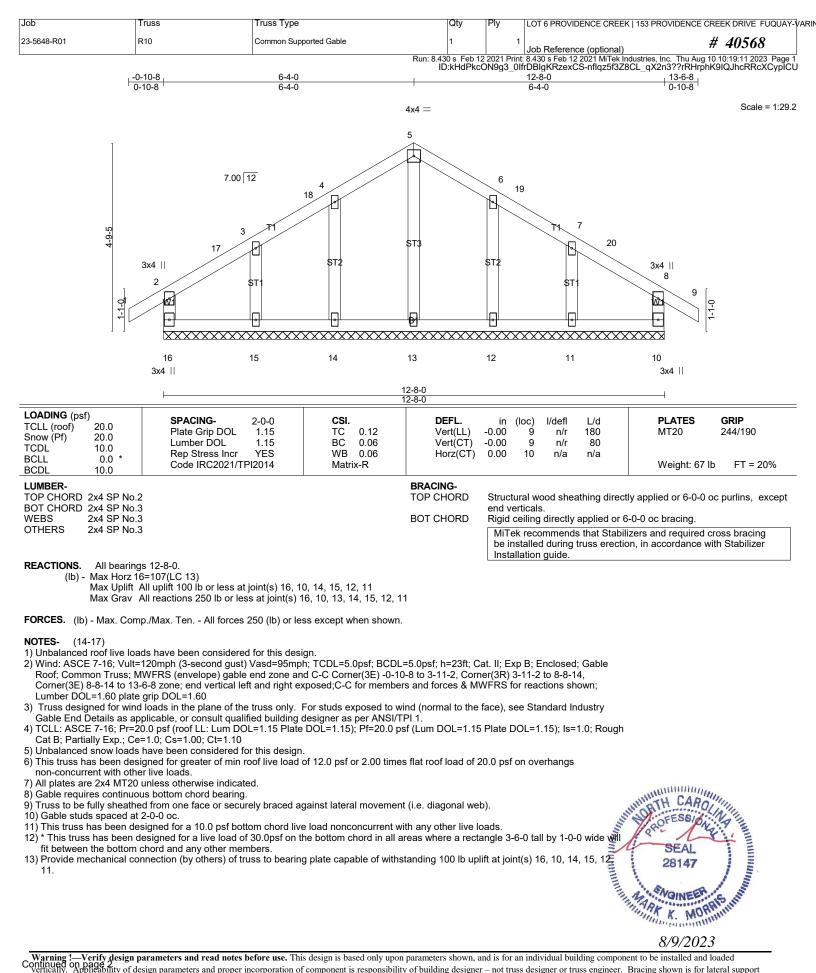
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-5=-60, 5-9=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 12=-556(B) 14=-560(B) 15=-556(B) 16=-556(B) 17=-556(B) 18=-556(B) 19=-556(B) 20=-556(B) 21=-556(B) 22=-556(B) 22=-5





[Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 153 PROVI	DENCE CREEK DRIVE FUQUAY-VA
	23-5648-R01	R10	Common Supported Gable	1	1	Job Reference (optional)	# 40568
						: 8.430 s Feb 12 2021 MiTek Industries, Inc.	

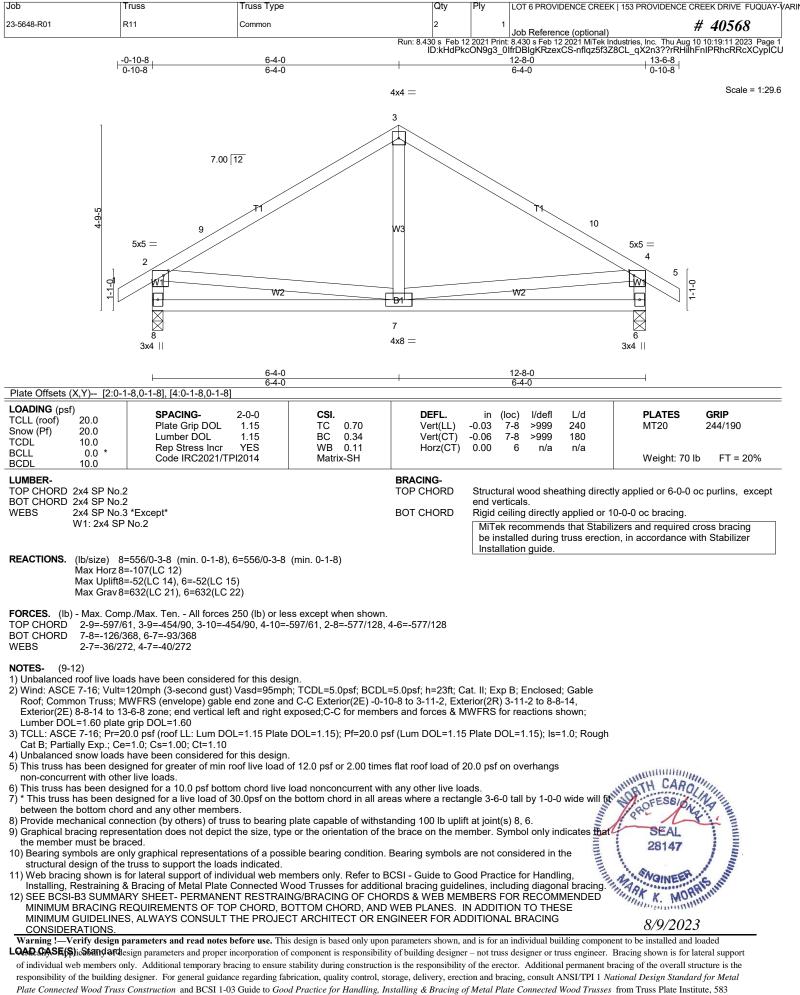
ID:kHdPkcON9g3_0lfrDBlgKRzexCS-nflqz5f3Z8CL_qX2n3??rRHrphK9lQJhcRRcXCypICU 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are only graphical representations of 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

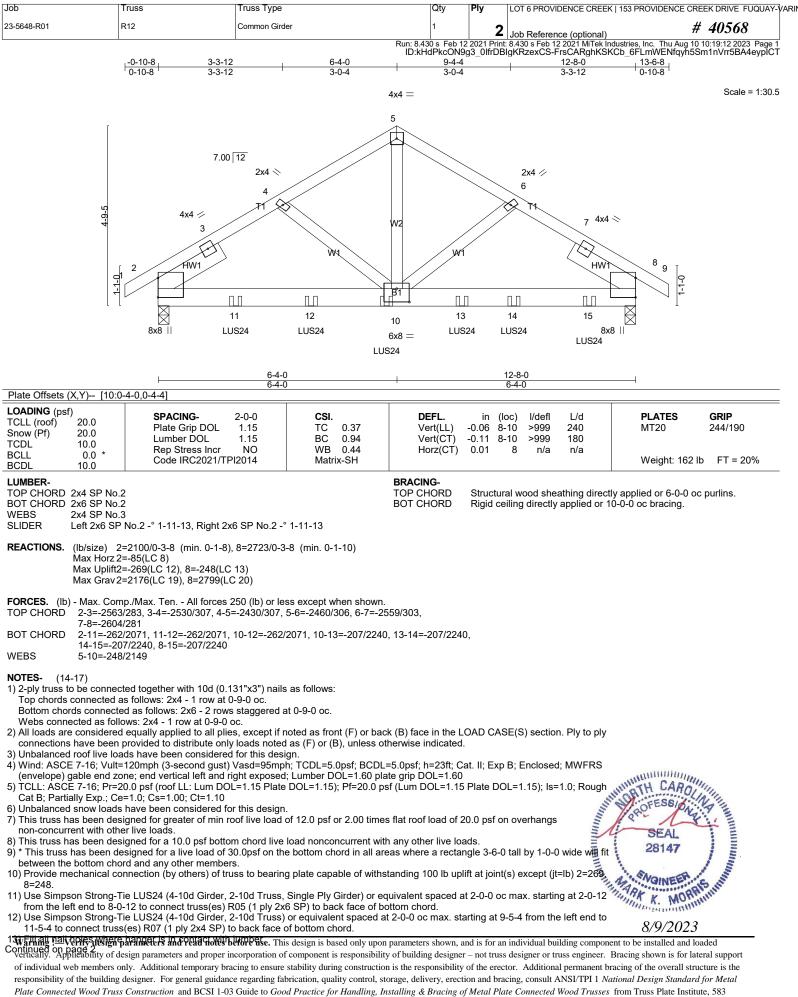
Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





D'Onofrio Drive, Madison, WI 53719.



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D'Onofrio Drive	e. Madison.	WI 53719

Job	Truss	Truss Type	Qty	Ply	LOT 6 PROVIDENCE CREEK 15	3 PROVIDENCE CREEK DRIVE FUQUAY-VAR
23-5648-R01	R12	Common Girder	1	2	Job Reference (optional)	# 40568
		Run: 8	.430 s Feb 1	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industr	ies, Inc. Thu Aug 10 10:19:12 2023 Page 2

un: 8.430 s. Feb 12 2021 Print: 8.430 s.Feb 12 2021 Mi Tek Industries, Inc. . Thu Aug 10 10:19:12 2023 Page 2. ID:kHdPkcON9g3_0IfrDBlgKRzexCS-FrsCARghKSKCb_6FLmWENfqyh5Sm1nVrr5BA4eypICT

- 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- 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

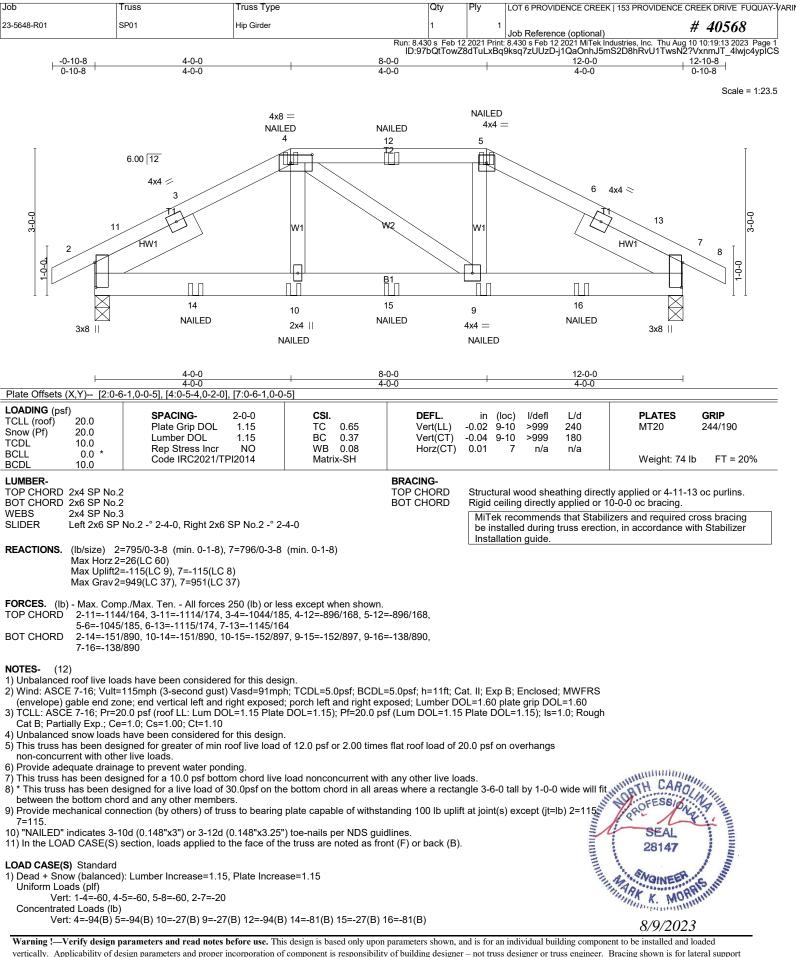
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-5=-60, 5-9=-60, 2-8=-20

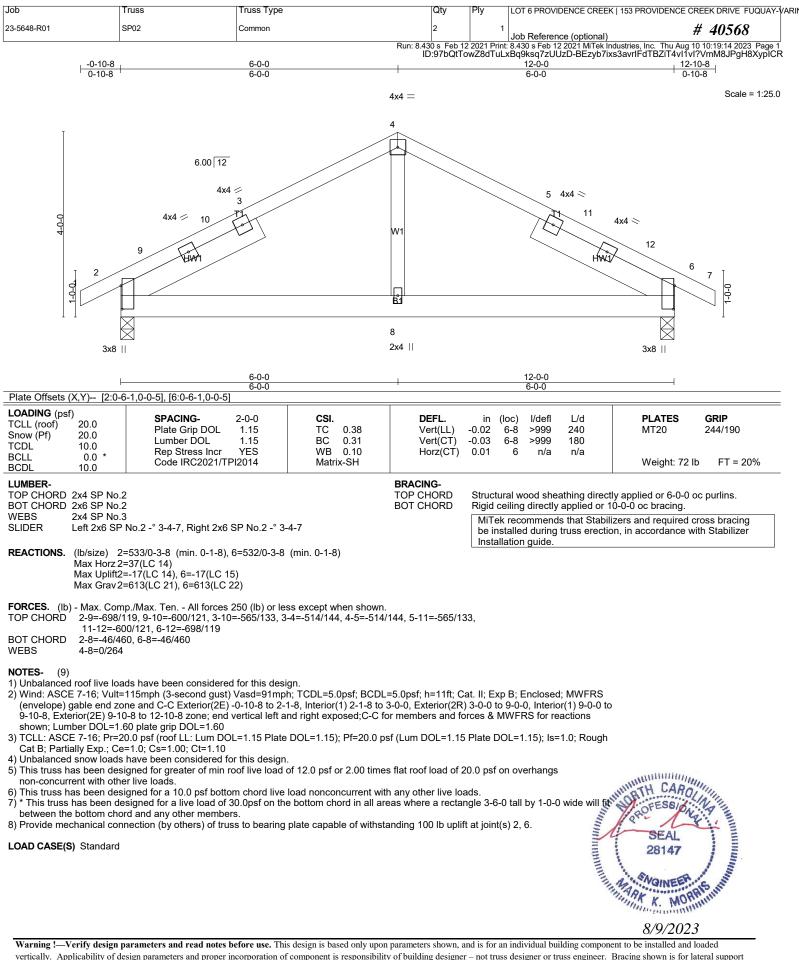
Concentrated Loads (lb)

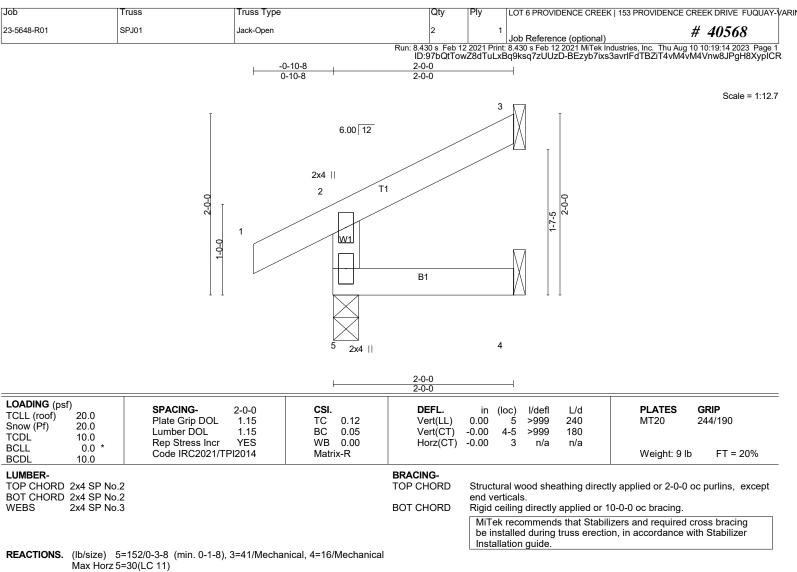
Vert: 10=-530(B) 11=-530(B) 12=-530(B) 13=-530(B) 14=-791(B) 15=-791(B)





vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be instanted and toaded vertically. Applicability of design parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be instanted and toaded of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TP1 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.





Max Uplift5=-2(LC 14), 3=-20(LC 14), 4=-7(LC 11) Max Grav 5=208(LC 21), 3=57(LC 21), 4=34(LC 7)

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

NOTES- (

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=10ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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
- 3) Unbalanced snow loads have been considered for this design.

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

6)* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit

between the bottom chord and any other members.

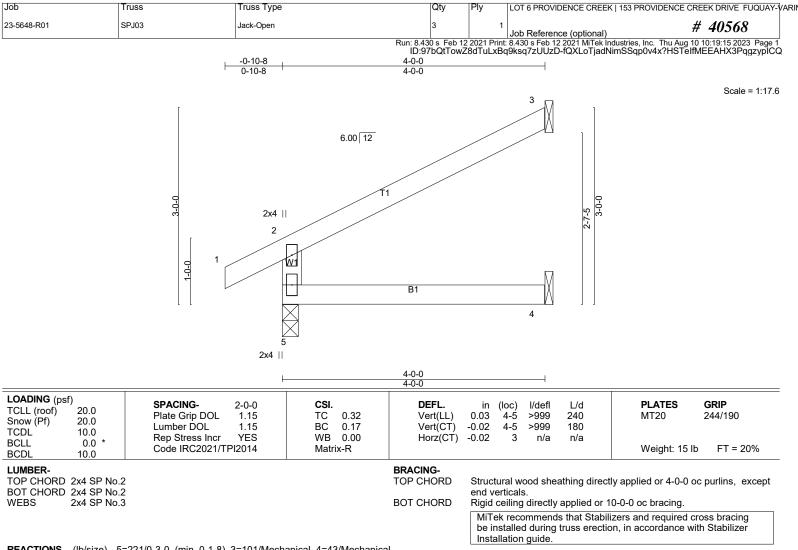
7) Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

LOAD CASE(S) Standard



ob	Truss	Truss Type	Qty		
3-5648-R01	SPJ02	Half Hip Girder	2 Run: 8 430 s. Feb 1	Job Reference (optiona 2 2021 Print: 8 430 s Feb 12 2021 MiTel	H 40568
	-0-10-8	2-0-0	ID:97bQtTow	Z8dTuLxBq9ksq7zUUzD-fQXLoTja 4-0-0	k Industries, Inc. Thu Aug 10 10:19:15 2023 Page 1 adNimSSqp0v4x?HSXzIhcEEhHX3PqgzypICQ
	0-10-8	2-0-0		2-0-0	1
			4	5 ^{3x6})	Scale = 1:12.6
Ţ			4x8 =	T2	
		6.00 12 3x4 = 3		X	Т
5-0-0		T1	· \	W2 W1	2-0-0
5	2	HW1	W1		2-(
o	1				
1-0-0			<u> </u>		
				، لـــــا ح	
1 1				X	
			⁷ _{2x4}	6	
		\square	NAILED		
		3x8		4x4 =	
		2-0-0		4-0-0	1
ate Offsets (X,Y) [2:	0-6-1,0-0-5], [4:0-5-0,0-2-0	2-0-0	н 	2-0-0	'
DADING (psf) CLL (roof) 20.0	SPACING-	2-0-0 CSI .	DEFL.	in (loc) l/defl L/d	PLATES GRIP
now (Pf) 20.0	Plate Grip DOL Lumber DOL	1.15 TC 0.1 1.15 BC 0.0		-0.002>999240-0.007>999180	MT20 244/190
CDL 10.0 CLL 0.0 *	Rep Stress Incr Code IRC2021/T	NO WB 0.0 Pl2014 Matrix-P		0.00 5 n/a n/a	Weight: 27 lb FT = 20%
DL 10.0 JMBER-			BRACING-		
OP CHORD 2x4 SP N OT CHORD 2x6 SP N			TOP CHORD	Structural wood sheathing dire end verticals.	ectly applied or 4-0-0 oc purlins, except
EBS 2x4 SP N	lo.3		BOT CHORD	Rigid ceiling directly applied o	
LIDER Left 2x6	SP No.2 -° 1-6-12				bilizers and required cross bracing stion, in accordance with Stabilizer
	5=56/Mechanical 6=92/N	lechanical, 2=213/0-3-0 (min.	0-1-8)	Installation guide.	,
Max Hor	z 2=37(LC 12) ft5=-14(LC 8), 6=-6(LC 12)				
	v 5=94(LC 33), 6=101(LC 3				
RCES. (Ib) - Max. C	omp./Max. Ten All forces	250 (lb) or less except when	shown.		
DTES- (13)					
	Ilt=115mph (3-second gus zone; Lumber DOL=1.60		; BCDL=5.0psf; h=11ft; C	at. II; Exp B; Enclosed; MWFRS	3
TCLL: ASCE 7-16; PI	=20.0 psf (roof LL: Lum D Ce=1.0; Cs=1.00; Ct=1.10	DL=1.15 Plate DOL=1.15); Pf=	=20.0 psf (Lum DOL=1.15	Plate DOL=1.15); Is=1.0; Roug	h
Unbalanced snow loa	ds have been considered				
non-concurrent with c	other live loads.			0.0 psi on overhangs	
This truss has been o		om chord live load nonconcur			
	designed for a live load of hord and any other membe		in all areas where a recta	ngle 3-6-0 tall by 1-0-0 wide will	
	russ to truss connections.	uss to bearing plate capable of	f withstanding 100 lb uplit	tatioint(s) 5.6.2	annumanne.
) Gap between inside	of top chord bearing and f	rst diagonal or vertical web sh	nall not exceed 0.500in.	t dt john(0) 0, 0, 2.	INNINGATH CAROLINI
		(0.148"x3.25") toe-nails per N the face of the truss are note			A OFESSION A III
DAD CASE(S) Standa				^{ti} tuti	SEAL 28147
Dead + Snow (baland Uniform Loads (plf)	ed): Lumber Increase=1.1	5, Plate Increase=1.15		1111H	28147
	, 4-5=-60, 2-6=-20 (lb)				ALEND A
Vert: 7=0(F)	n~,				ARK MORR SUNT
					Manage Manual Man
					8/9/2023



REACTIONS. (lb/size) 5=221/0-3-0 (min. 0-1-8), 3=101/Mechanical, 4=43/Mechanical Max Horz 5=51(LC 14) Max Uplift3=-38(LC 14), 4=-9(LC 11)

Max Grav 5=322(LC 21), 3=154(LC 21), 4=72(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-5=-293/78

NOTES- (9)

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=11ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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
- 3) Unbalanced snow loads have been considered for this design.

4) 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.

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

6) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit

between the bottom chord and any other members.

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

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.



