# Mark Morris, P.E.

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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 #: 60324 JOB: 25-5333-R01 JOB NAME: LOT 156 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. 20 Truss Design(s)

Trusses:

P01, P02, R01, R02, R03, R05, R06, R07, R08, R09, R10, V01, V02, V03, V04, V05, V06, V07,



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

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



Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROVIDE	ENCE CREEK DRIVE FUQUA	Y-VA
25-5333-R01	P01	GABLE	2	1	Job Reference (optional)	# 60324	
		Run: 8.	430 s Feb '	12 2021 Prir	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue	Jun 17 21:43:13 2025 Page 2	i i

ID:zXU97ebO1cypNaLnLssBwZzqEeb-\_irL95cUo88OeZ8c8ilvqefdDu63uatuUGoASTz5GLC

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 Trustees 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





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 156 PROVIDENCE CREEK   504 PROVID	ENCE CREEK DRIVE FUQUA	Y-VA
25-5333-R01	P02	GABLE	19	1	Job Reference (optional)	# 60324	
		Run: 8.	130 s Feb 1	12 2021 Prir	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue	Jun 17 21:43:15 2025 Page 2	

ID:zXU97ebO1cypNaLnLssBwZzqEeb-x4z5andkKlO6ttl?G7KNv3lwFimrMTyByaHGWMz5GLA

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





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 loaded 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 loaded 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 156 PROVIDENCE CREEK   504 PROVIDENC	E CREEK DRIVE FUQUAY-VA
25-5333-R01	R01	GABLE	1	1	Job Reference (optional)	# 60324
		Run: i ID:z	3.430 s Feb (U97ebO1	12 2021 Prir cypNaLnLs	t: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jur sBwZzqEeb-psDcQ9qFO_uYMUbmVzPJ4vvfl	17 21:43:19 2025 Page 2 DJAsIFOntCFUf7z5GL6

NOTES- (15-18)

7) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing. 8) Provide adequate drainage to prevent water ponding.

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

10) Gable requires continuous bottom chord bearing.

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

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

- 13) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 54, 55, 56, 57, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 53, 52, 51, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40 except (jt=lb) 69=127, 39=114.
- 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 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
- 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 = 1:118.1



F	10-1-12	15-5-12	26-0-0	37-0-13	42-3-13	47-6-12	57-3-4	68-0-0	
Plate Offsets	s (X,Y) [9:0-5	-0,0-3-7], [23:0-3-0,0-	-3-12]	11-0-13	5-3-0	5-3-0	9-0-0	10-0-12	
LOADING (p TCLL (roof) Snow (Pf) TCDL BCLL BCDL	sf) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOI Lumber DOL Rep Stress Inc Code IRC2021	2-0-0 - 1.15 1.15 sr YES /TPI2014	<b>CSI.</b> TC 0.70 BC 0.98 WB 0.99 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.22 20-22 -0.33 20-22 0.03 17	l/defl L/d >999 240 >999 180 n/a n/a	PLATES MT20 Weight: 528 It	<b>GRIP</b> 244/190 D FT = 20%
LUMBER- TOP CHORE BOT CHORE WEBS SLIDER	D 2x6 SP No.2 D 2x6 SP No.2 B3: 2x4 SP N 2x4 SP No.3 W9: 2x6 SP Left 2x4 SP I	*Except* ko.2, B4: 2x6 SP DS3 *Except* No.2 No.3 1-11-0, Right 2x	5 4 SP No.3 1-11-	0	BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 6-0-0 oc bra 1 Row at mi MiTek reco be installe Installatior	ood sheathing direc directly applied or 2 cing: 19-22 dpt 6-26, ommends that Stabil d during truss erection guide.	tly applied or 6-0-0 oc 2-2-0 oc bracing. Exc 7-25, 8-25, 8-23, 9-19 lizers and required cro on, in accordance with	purlins. ept: , 10-17 pss bracing n Stabilizer
REACTIONS (lb)	EACTIONS. All bearings 0-3-8. (Ib) - Max Horz 2=172(LC 14) Max Uplift All uplift 100 lb or less at joint(s) except 2=-125(LC 14), 26=-195(LC 14), 17=-162(LC 15), 14=-121(LC 15) Max Grav All reactions 250 lb or less at joint(s) except 2=698(LC 41), 26=2299(LC 45), 17=3346(LC 45), 14=703(LC 43) ORCES. (Ib) - Max Comp (Max Ten - All forces 250 (Ib) or less except when shown								
FORCES. (I TOP CHORE	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-457/0, 3-4=-774/154, 6-38=-1188/278, 7-38=-1140/308, 7-39=-1052/332, 8-39=-1052/332, 8-40=-1123/281, 40-41=-1123/281, 9-41=-1123/281, 9-42=0/575, 10-42=0/326, 10-11=-539/230, 11-43=-664/213, 12-43=-768/200, 12-13=-961/208,								
BOT CHORE	2-44=-211/ 45-46=-79/ 23-48=-14/	638, 28-44=-211/638 458, 25-46=-79/458, 1295, 23-49=0/664, 2	, 27-28=-211/638 24-25=-14/1295, 21-49=0/664, 18-	3, 26-27=-211/638, 26-4 24-47=-14/1295, 47-4 21=0/664, 18-50=0/664	45=-79/458, 8=-14/1295, 4, 17-50=0/664,				
WEBS	4-15112 4-28=0/307 22-23=-74/ 10-15=-169	/, 4-26=-781/223, 6-2 1266, 9-22=-47/1338 9/875, 12-15=-521/23	6=-1533/258, 6-2 , 9-19=-1918/24 7, 18-20=-370/0	25=-2/986, 8-25=-387/1 I, 17-19=-1969/212, 10	156, 8-23=-660/21 )-17=-1232/339,	1,			
<ul> <li>NOTES- (12-15)</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 5-11-2, Interior(1) 5-11-2 to 19-2-6, Exterior(2R) 19-2-6 to 32-9-10, Interior(1) 32-9-10 to 35-2-6, Exterior(2R) 35-2-6 to 48-9-10, Interior(1) 48-9-10 to 61-2-6, Exterior(2E) 61-2-6 to 689-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &amp; MWFRS for reactions shown Lumber DOL=1.60</li> <li>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</li> <li>6/17/2025</li> </ul>									
Continued on	i page 2							6/17/202.	5

Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROV	IDENCE CREEK DRIVE FUQUAY-VA
25-5333-R01	R02	Piggyback Base	8	1	Job Reference (optional)	# 60324
		Run: 8 ID:zXL	430 s Feb J97ebO1c	12 2021 Prir /pNaLnLss	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. T BwZzqEeb-H2m_dUht9H0P_eAy3hwYc	ue Jun 17 21:43:20 2025 Page 2 6ShBjHk1Wuw5s_1BZz5GL5

## NOTES- (12-15)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2, 195 lb uplift at joint 26, 162 lb uplift at joint 17 and 121 lb uplift at joint 14.
- 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
- ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

#### LOAD CASE(S) Standard





Scale = 1:116.0



<b> </b>	10-1-12	15-5-12	26-0-0	37-0-13	47	7-6-12	<u>57-3-4</u> 9-8-8	68-0-0	
Plate Offsets (	(X,Y) [9:0-5	-0,0-3-7]							
LOADING (psf TCLL (roof) Snow (Pf) TCDL BCLL BCDL	f) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/T	2-0-0 1.15 1.15 YES PI2014	<b>CSI.</b> TC 0.72 BC 0.75 WB 0.97 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.13 24-27 -0.28 19-21 0.04 17	l/defl L/d >953 240 >999 180 n/a n/a	PLATES MT20 Weight: 513	<b>GRIP</b> 244/190 b FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS SLIDER	2x6 SP No.2 2x6 SP No.2 B3: 2x6 SP I 2x4 SP No.3 W9: 2x6 SP Left 2x4 SP	*Except* DSS *Except* No.2 No.3 1-11-0, Right 2x4 \$	SP No.3 1-11-0		BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 6-0-0 oc bra 1 Row at mi MiTek recc be installed	ood sheathing direc g directly applied or icing: 15-17. dpt 6-21, ommends that Stabi d during truss erecti	stly applied or 4-9-4 o 10-0-0 oc bracing, E 7-21, 8-19, 9-17, 10- lizers and required cr ion, in accordance wi	c purlins. Except: 17 oss bracing th Stabilizer
REACTIONS. (lb) -	REACTIONS.       All bearings 0-3-8.         (lb) - Max Horz 2=172(LC 14)         Max Uplift All uplift 100 lb or less at joint(s) except 2=-185(LC 10), 24=-189(LC 14),         17=-267(LC 11), 14=-120(LC 15)         Max Grav All reactions 250 lb or less at joint(s) except 2=580(LC 54), 24=2044(LC 45),         17=3329(LC 45), 14=673(LC 43)								
FORCES. (Ib) TOP CHORD BOT CHORD WEBS	TP-3329(LC 43), 14-073(LC 43)         FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.         TOP CHORD       2-3=-375/414, 3-4=-517/445, 4-33=-1467/418, 5-33=-1429/423, 5-6=-1295/443, 6-34=-1613/428, 7-34=-1526/454, 7-35=-1410/468, 8-35=-1410/468, 8-36=-1123/369, 36-37=-1123/369, 9-37=-1123/369, 9-38=0/705, 10-38=0/473, 10-11=-474/225, 11-39=-600/207, 12-39=-702/195, 12-13=-893/202, 13-14=-555/0         BOT CHORD       2-40=-342/406, 24-40=-342/406, 23-24=-342/406, 22-23=-342/406, 22-41=-257/1420, 41-42=-257/1420, 21-42=-257/1420, 20-21=-115/1381, 20-43=-115/1381, 43-44=-115/1381, 19-44=-115/1381, 19-45=0/627, 18-45=0/627, 17-46=0/627, 14-15=-107/765         WEBS       4-24=-1780/229, 4-22=0/1304, 6-22=-642/76, 6-21=-269/383, 7-21=-40/263, 8-21=-85/550, 8-19=-943/263, 9-19=-156/1470, 9-17=-2117/355, 10-17=-1242/335, 10-15=-161/903, 12-15=-525/238								
NOTES- (12 1) Unbalanced 2) Wind: ASCI Roof; Hip Ti 19-2-6 to 32 zone; cantill for reactions 3) TCLL: ASCI Cat B; Parti 4) Unbalanced 5) This truss h non-concurr	2-15) d roof live load E 7-16; Vult= russ; MWFR 2-9-10, Interio ever left and s shown; Lum E 7-16; Pr=20 ally Exp.; Ces d snow loads has been desi rent with othe	ds have been considere 120mph (3-second gust 5 (envelope) gable end ; r(1) 32-9-10 to 35-2-6, E right exposed ; end vert iber DOL=1.60 plate gri ).0 psf (roof LL: Lum DC =1.0; Cs=1.00; Ct=1.10 have been considered f gned for greater of min i r live loads.	d for this design. ) Vasd=95mph; T zone and C-C Ex Exterior(2R) 35-2: ical left and right p DOL=1.60 DL=1.15 Plate DC or this design. roof live load of 1	CDL=5.0psf; BCDL terior(2E) -0-10-8 to 6 to 48-9-10, Interio exposed; porch left IL=1.15); Pf=20.0 p 2.0 psf or 2.00 time	=5.0psf; h=35ft; C 9 5-11-2, Interior(1) 9 (1) 48-9-10 to 61 exposed;C-C for n sf (Lum DOL=1.15 s flat roof load of 2	at. II; Exp B; E 9 5-11-2 to 19- -2-6, Exterior( nembers and 7 Plate DOL=1 20.0 psf on ove	Enclosed; Gable 2-6, Exterior(2R) 2E) 61-2-6 to 68-9 forces & MWFRS .15); Is=1.0; Rough erhangs	SEAL 28147	A A P
Continued on p	bage 2							6/17/202	5

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Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROV	IDENCE CREEK DRIVE FUQUAY-VA
25-5333-R01	R03	Piggyback Base	1	1	Job Reference (optional)	# 60324
	·	Run: 8.4 ID:zX	30 s Feb ( 097ebO1	2 2021 Prin	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. T _ssBwZzqEeb-IEKNrqiVwb8Gbol8cORns	ue Jun 17 21:43:21 2025 Page 2 9K?re7hemzL4KWkbk0z5GL4

## NOTES- (12-15)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 2, 189 lb uplift at joint 24, 267 lb uplift at joint 17 and 120 lb uplift at joint 14.
- 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
- ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

#### LOAD CASE(S) Standard





Scale = 1:115.5

6/17/2025



$\vdash$	<u>10-1-12</u> 10-1-12	<u>18-0-14</u> 7-11-2	26-0-0	37-2-12		<u>48-3-8</u> 11-0-12		<u>59-4-4</u> 11-0-12	<u>67-8-12</u> 8-4-8	
LOADING (p TCLL (roof) Snow (Pf) TCDL BCLL BCDL	sf) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/T	2-0-0 1.15 1.15 YES PI2014	<b>CSI.</b> TC 0.66 BC 0.72 WB 0.91 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.13 24-27 -0.25 19-21 0.03 15	l/defl >903 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 505 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER- TOP CHORE BOT CHORE WEBS SLIDER	<ul> <li>2x6 SP No.2</li> <li>2x6 SP No.2</li> <li>2x4 SP No.3</li> <li>W7: 2x4 SP</li> <li>Left 2x4 SP I</li> </ul>	*Except* No.2 No.3 1-11-0, Right 2x4	SP No.3 1-11-(	)	BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 1 Row at mi MiTek reco be installed Installation	ood shea directly dpt dmmends d during guide.	athing direct applied or 1 6-21, 7 s that Stabili truss erectio	ly applied or 5-11-9 or 0-0-0 oc bracing. 7-21, 8-19, 9-19, 9-17, izers and required cro n, in accordance with	c purlins. , 10-15 oss bracing o Stabilizer
REACTIONS (lb)	EACTIONS. All bearings 0-3-8 except (jt=length) 14=Mechanical. (lb) - Max Horz 2=174(LC 14) Max Uplift All uplift 100 lb or less at joint(s) except 2=-197(LC 10), 24=-169(LC 14), 19=-225(LC 10), 15=-195(LC 15), 14=-128(LC 11) Max Grav All reactions 250 lb or less at joint(s) except 2=617(LC 54), 24=1531(LC 45), 19=2775(LC 45), 15=1329(LC 45), 14=398(LC 55)									
FORCES. (I TOP CHORE	FORCES. (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-373/460, 3-4=-609/477, 4-33=-1254/392, 5-33=-1183/396, 5-6=-1034/419, 6-34=-885/367, 7-34=-735/394, 7-35=-677/409, 8-35=-677/409, 8-36=-13/372, 36-37=-13/372, 9-37=-13/372, 9-38=-747/370, 10-38=-888/340, 10-11=-220/410, 11-39=-301/393, 12-39=-403/380, 12-13=-301/297, 13-14=-168/327									
BOT CHORE	<ul> <li>2-40=-377/</li> <li>22-42=-214</li> <li>19-44=-23/</li> <li>14-15=-221</li> <li>4-24=-1229</li> <li>9-19=-1145</li> </ul>	488, 24-40=-377/488, 2 1/1054, 21-42=-214/105 294, 17-47=-141/805, 1 1/278 3/237, 4-22=0/724, 6-21 5/202, 9-17=-148/1050,	4-41=-377/488 4, 20-21=-23/2 6-47=-141/805 =-587/193, 8-2 10-17=-604/25	8, 23-41=-377/488, 22-2 994, 20-43=-23/294, 43 5, 16-48=-141/805, 15-4 21=-115/1065, 8-19=-14 56, 10-15=-810/25, 12-7	23=-377/488, -44=-23/294, 18=-141/805, 144/322, 15=-575/264					
<ul> <li>NOTES- (13-16)</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 5-10-12, Interior(1) 5-10-12 to 19-2-12, Exterior(2R) 19-2-12 to 32-9-4, Interior(1) 32-9-4 to 35-2-12, Exterior(2R) 35-2-12 to 48-9-4, Interior(1) 48-9-4 to 60-11-8, Exterior(2E) 60-11-8 to 67-8-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.00 plate grip DOL=1.60</li> <li>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; Roten Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10</li> <li>4) Unbalanced snow loads have been considered for this design.</li> <li>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.</li> </ul>										

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504	PROVIDENCE CREEK DRIVE FUQUAY-V
25-5333-R01	R05	Piggyback Base	3	1	Job Reference (optional)	# 60324
			Run: 8.430 s Feb 1 D:zXU97ebO1cyr	2 2021 Prin NaLnLss	it: 8.630 s Jul 12 2024 MiTek Industries, BwZzgEeb-ERul2Aj7gvG7DyKLA5	, Inc. Tue Jun 17 21:43:22 2025 Page 2 5y0hXX1EX1GVRaDZAT8GSz5GL3

## NOTES- (13-16)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a gualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 197 lb uplift at joint 2, 169 lb uplift at joint 24, 225 lb uplift at joint 19, 195 lb uplift at joint 15 and 128 lb uplift at joint 14.
- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 16) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Scale = 1:116.0



<b> </b>	10-1-12	18-0-14	26-0-0		37-2-12		48-3-8		59-4-4	68-0	-0
LOADING (psf TCLL (roof) Snow (Pf) TCDL BCLL BCDL	f) 20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/	2-0-0 1.15 1.15 YES TPI2014	<b>CSI.</b> TC BC WB Matri	0.74 0.68 0.98 ix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.14 24-27 -0.33 15-17 0.03 2	l/defl >893 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 50	<b>GRIP</b> 244/190 7 Ib FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS SLIDER	2x6 SP No.2 2x6 SP No.2 B2: 2x6 SP I 2x4 SP No.3 W7: 2x4 SP Left 2x4 SP	*Except* DSS *Except* No.1, W8: 2x4 SP SS No.3 1-11-0, Right 2x4	SP No.3 1-11-	0		BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 6-0-0 oc bra 1 Row at mi MiTek recc be installed Installation	ood shea directly cing: 19 dpt ommend d during quide.	athing direct applied or 1 -21,17-19. 4-22, 6 10-17 s that Stabili truss erectio	lly applied or 5-0-7 10-0-0 oc bracing, 6-21, 7-21, 8-21, 8 izers and required on, in accordance	oc purlins. Except: .19, 9-19, 9-17, cross bracing with Stabilizer
REACTIONS. (lb) -	EACTIONS. All bearings 0-3-8 except (jt=length) 19=0-4-0. (ib) - Max Horz 2=172(LC 14) Max Uplift All uplift 100 lb or less at joint(s) except 2=-195(LC 10), 24=-166(LC 14), 19=-292(LC 11), 14=-176(LC 15) Max Grav All reactions 250 lb or less at joint(s) except 2=603(LC 54), 24=1311(LC 35), 19=3779(LC 45), 14=1028(LC 43)										
FORCES. (Ib) TOP CHORD BOT CHORD	19=37/9(LC 45), 14=1028(LC 43)         FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.         TOP CHORD       2-3=-355/455, 3-4=-575/463, 4-33=-1051/325, 5-33=-981/330, 5-6=-832/353, 6-34=-613/280, 7-34=-470/307, 7-35=-431/329, 8-35=-431/329, 8-36=-0/1091, 36-37=0/1091, 9-37=0/1091, 9-38=-540/282, 10-38=-683/252, 10-11=-1518/439, 11-39=-1650/421, 12-39=-1756/419, 12-13=-1730/308, 13-14=-614/19         BOT CHORD       2-40=-360/457, 24-40=-360/457, 23-41=-360/457, 22-23=-360/457, 22-42=-158/868, 21-42=-158/868, 20-21=-669/273, 40-43=-669/273, 43-44=-669/273, 19-44=-669/273, 19-45=-375/195, 18-45=-375/195, 17-46=-375/195, 17-47=-52/788, 16.47=-52/788, 15.44=-52/788, 14.45=-52/78, 14.45=-52/78, 14.45=-52/78, 14.45=-52/78, 14.45=-52/78, 14.45=-375/195, 14										
WEBS	4-24=-1040 8-19=-1633 12-15=-500	0/234, 4-22=-42/498, 6 3/382, 9-19=-1875/276 0/254	-21=-754/204, , 9-17=-251/17;	7-21=-404/9 36, 10-17=-	92, 8-21=-18 1196/346, 1	33/1446, 0-15=-240/1018,					
<ul> <li>NOTES- (12-15)</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 5-11-2, Interior(1) 5-11-2 to 19-2-6, Exterior(2R) 19-2-6 to 32-9-10, Interior(1) 32-9-10 to 35-2-6, Exterior(2R) 35-2-6 to 48-9-10, Interior(1) 48-9-10 to 61-2-6, Exterior(2E) 61-2-6 to 680-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed;C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>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</li> <li>4) Unbalanced snow loads have been considered for this design.</li> <li>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.</li> </ul>											
Continued on p	page 2						1. 6			6/17/20	25

Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROV	IDENCE CREEK DRIVE FUQUAY-VA
25-5333-R01	R06	PIGGYBACK BASE	1	1	Job Reference (optional)	# 60324
	·	Run: 8. ID:zXI	430 s Feb J97ebO1c	12 2021 Prin ypNaLnLs:	nt: 8.630 s Jul 12 2024 MiTek Industries, Inc. T sBwZzgEeb-idS7FWkmRCOzr6vXkpTFE	ue Jun 17 21:43:23 2025 Page 2 El4BkwNCEtoNngDhouz5GL2

## NOTES- (12-15)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a gualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2, 166 lb uplift at joint 24, 292 lb uplift at joint 19 and 176 lb uplift at joint 14.
- 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
- ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

#### LOAD CASE(S) Standard





Scale = 1:116.1



F	10-1-12	18-0-14	26-0-0		37-2-12		48-3-8		59-4-4	68-0-0	
LOADING (p TCLL (roof) Snow (Pf) TCDL BCLL BCDL	20.0 20.0 10.0 0.0 * 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TP	2-0-0 1.15 1.15 YES I2014	<b>CSI.</b> TC 0.7 BC 0.6 WB 0.9 Matrix-M	74 68 98 ISH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.14 25-28 -0.33 16-18 0.03 2	l/defl >895 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 509 lb	<b>GRIP</b> 244/190 • FT = 20%
LUMBER- TOP CHORI BOT CHORI WEBS SLIDER	D 2x6 SP No.2 D 2x6 SP No.2 B2: 2x6 SP   2x4 SP No.3 W7: 2x4 SP Left 2x4 SP	*Except* DSS *Except* No.1, W8: 2x4 SP SS No.3 1-11-0, Right 2x4 S	P No.3 1-11-0			BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 6-0-0 oc bra 1 Row at mi MiTek reco be installed Installation	ood shea   directly cing: 20- dpt pmmends d during   guide.	athing direct applied or 1 -22,18-20. 4-23, 6 10-18 s that Stabil truss erectio	ly applied or 5-0-8 oc (0-0-0 oc bracing, Ex 6-22, 7-22, 8-22, 8-20, izers and required cro on, in accordance with	purlins. .cept: , 9-20, 9-18, nss bracing n Stabilizer
REACTIONS (Ib	Image: Second										
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.         TOP CHORD       2-3=-355/458, 3-4=-574/470, 4-34=-1053/331, 5-34=-984/336, 5-6=-834/359, 6-35=-614/285, 7-35=-470/313, 7-36=-430/334, 36-37=-430/334, 8-37=-430/334, 8-38=0/1094, 38-39=0/1094, 9-39=0/1094, 9-40=-536/285, 10-40=-679/255, 10-11=-1509/441, 11-41=-1642/423, 12-41=-1747/421, 12-13=-1721/310, 13-14=-588/16         BOT CHORD       2-42=-349/456, 25-42=-349/456, 25-43=-349/456, 24-43=-349/456, 23-24=-349/456, 23-44=-155/870, 22-44=-155/870, 21-22=-672/280, 21-45=-672/280, 45-46=-672/280, 20-46=-672/280, 20-47=-377/202, 19-47=-377/202, 19-48=-377/202, 18-48=-377/202, 18-49=-39/784, 17-49=-39/784, 17-50=-39/784, 14-16=-196/1515         WEBS       4-25=-10/2/234, 4-23=-345/00, 6-22=-375/204, 7-22=-405/00, 8-22=-4151/448											
<ul> <li>WEBS 4-25=-1042/234, 4-23=-43/500, 6-22=-755/204, 7-22=-405/90, 8-22=-181/1448, 8-20=-1633/383, 9-20=-1876/273, 9-18=-251/1735, 10-18=-1195/346, 10-16=-239/1013, 12-16=-498/253</li> <li>NOTES- (12-15)</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Hip Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 5-11-2, Interior(1) 5-11-2 to 19-2-6, Exterior(2R) 19-2-6 to 32-9-10, Interior(1) 32-9-10 to 35-2-6, Exterior(2R) 35-2-6 to 48-9-10, Interior(1) 48-9-10 to 62-0-14, Exterior(2E) 62-0-14 to 68-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>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; Roogh Cat B; Partially Exp; Ce=1.0; Cs=1.00; Ct=1.10</li> <li>4) Unbalanced snow loads have been considered for this design.</li> <li>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.</li> <li>Continued on page 2</li> </ul>								A A A A A A A A A A A A A A A A A A A			

Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROVID	DENCE CREEK DRIVE FUQUAY-VA
25-5333-R01	R07	Piggyback Base	6	1	Job Reference (optional)	# 60324
Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jun 17 21:43:24 2025 Page 2 ID:zXU97ebO1cypNaLnLssBwZzqEeb-Ap0VTskOCWWqSFUjIW_UnydLUKjRzK2W0UyFKKz5GL1						

## NOTES- (12-15)

- 6) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a gualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
- 7) Provide adequate drainage to prevent water ponding.
- 8) All plates are 5x5 MT20 unless otherwise indicated.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2, 165 lb uplift at joint 25, 289 lb uplift at joint 20 and 194 lb uplift at joint 14.
- 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
- ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

#### LOAD CASE(S) Standard





vertically. Applicability of design parameters and read notes before user finis design is obset only apon parameters shown, and is to fair individual voltating component to be instanced and loaded 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 156 PROVIDENCE CREEK   504 PROVIDENCE	CREEK DRIVE FUQUAY-V
25-5333-R01	R08	GABLE	1	1	Job Reference (optional)	¥ 60324
Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jun 17 21:43:27 2025 Page 2 ID:zXU97ebO1cypNaLnLssBwZzqEeb-aOhe5unGVRuPJjDlzfYBObF0GYvrAtNviSBvxfz5GL						

NOTES- (15-18)

7) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a gualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing. 8) Provide adequate drainage to prevent water ponding.

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

10) Gable requires continuous bottom chord bearing.

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

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

- 13) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 54, 53, 52, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41 except (jt=lb) 70=126, 40=109.
- 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
- 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
- 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 156 PROVIDENCE CREEK   504 PROVIDENCE CREEK DRIVE	FUQUAY-VA
25-5333-R01	R09	Common Structural Gable	1	1	Job Reference (optional) # 60324	
Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jun 17 21:43:28 2025 Page 2 ID:zXU97ebO1cypNaLnLssBwZzqEeb-2aF0JEnuGl1GxtnUXM3Qxon9DxDwvMH6x6wSS6z5GKz						

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 156 PROVIDENCE CREEK   504 PRO	VIDENCE CREEK DRIVE FUQUAY-
25-5333-R01	R10	GABLE	1	2	Job Reference (optional)	# 60324
		Run 8	430 s Feb	12 2021 Prir	nt: 8 630 s Jul 12 2024 MiTek Industries Inc.	Tue Jun 17 21:43:29 2025 Page 2

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jun 17 21:43:29 2025 Page 2 ID:zXU97ebO1cypNaLnLssBwZzqEeb-WnpOWZoW1297Z1Mh43afU0KEkLTXepFFAmg0?Yz5GKy

- 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

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

Uniform Loads (plf) Vert: 1-2=-60, 3-4=-20 Concentrated Loads (lb) Vert: 8=-376(B) 9=-376(B)





Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROVIDEN	ICE CREEK DRIVE FUQUA	Y-VA
25-5333-R01	V01	GABLE	1	1	Job Reference (optional)	# 60324	

Run: 8.430 s Feb 12 2021 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Jun 17 21:43:29 2025 Page 2 ID:zXU97ebO1cypNaLnLssBwZzqEeb-WnpOWZoW1297Z1Mh43afU0KLsLYCeneFAmg0?Yz5GKy

LOAD CASE(S) Standard



6/17/2025



Job	Truss	Truss Type	Qty	Ply	LOT 156 PROVIDENCE CREEK   504 PROVIDENCE CREEK DRIVE FUQUA	/-VA
25-5333-R01	V02	Valley	1	1	Job Reference (optional) # 60324	
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LOAD CASE(S) Standard















