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 #: 28556 JOB: 21-5986-R01 JOB NAME: 49786-0222 WOODGROVE Wind Code: 37 Wind Speed: Vult= 115mph Exposure Category: B Mean Roof Height (feet): 24 These truss designs comply with IRC 2015 as well as IRC 2018. *16 Truss Design(s)*

Trusses:

M01, R01, R01B, R02, R02B, R03, R04, R05, R05B, R06, R07, VT01, VT02, VT03, VT04, VT05



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

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



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9-1	4 17-11-0			42	-0-0				
9-1	4 8-9-12			24	-1-0				
Plate Offsets (X,Y) [2:0-1	-13,0-0-2], [11:0-3-0,0-2-0], [16:0-3-0),0-2-0], [23:0-3-0,0-3-0]	, [25:0-2-1,0-0-5]						
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 *	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.29 BC 0.27 WB 0.26	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.00 25 0.00 26 0.01 25	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20	GRIP 244/190	
BCDI 10.0	Code IRC2018/TPI2014	Matrix-SH					Weight: 298 lb	FT = 20%	
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3 SLIDER Left 2x4 SP	No.3 - 2-9-3, Right 2x4 SP No.3 - 1	-7-7	BRACING- TOP CHORD BOT CHORD WEBS	Structural w Rigid ceiling 1 Row at mi	ood shea directly a dpt	thing directl applied or 1 14-37,	ly applied or 6-0-0 oc ; 0-0-0 oc bracing. 13-38, 11-40, 15-36, 1	ourlins. 16-35, 12-39	
KEACTIONS. All bearings 42-0-0. (lb) - Max Horz 2=107(LC 14) Max Uplift All uplift 100 lb or less at joint(s) 2, 44, 39, 37, 38, 41, 42, 43, 45, 46, 36, 34, 33, 32, 31, 29, 28, 27 Max Grav All reactions 250 lb or less at joint(s) 2, 39, 38, 40, 42, 43, 45, 35, 28, 25, 27 except 44=290(LC 39), 37=303(LC 44), 41=257(LC 39), 46=450(LC 39), 36=300(LC 44), 34=302(LC 49), 33=291(LC 45), 32=291(LC 45), 31=297(LC 45), 29=253(LC 45))									
FORCES. (lb) - Max. Com WEBS 4-46=-341,	p./Max. Ten All forces 250 (lb) or le 168	ess except when shown.							
NOTES- (16-19) 1) Unbalanced roof live loa 2) Wind: ASCE 7-16; Vult= (envelope) gable end zo Exterior(2N) 29-0-0 to 38 DOL=1.60 plate grip DO 3) Truss designed for wind Gable End Details as ap 4) TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce 5) Unbalanced snow loads 6) This truss has been desi non-concurrent with othe 7) Provide adequate draina 8) All plates are 2x4 MT20 9) Gable requires continuou 10) Gable studs spaced at 11) This truss has been de 12) * This truss has been de 13) Provide mechanical co 42, 43, 45, 46, 36, 34, 3 14) Beveled plate or shim r 15) This truss is designed i 	ds have been considered for this des 115mph (3-second gust) Vasd=91mp he and C-C Corner(3E) -0-6-8 to 3-7- i-4-2, Corner(3E) 38-4-2 to 42-6-8 zo =1.60 loads in the plane of the truss only. plicable, or consult qualified building 0.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this design gned for greater of min roof live load r live loads. ge to prevent water ponding. unless otherwise indicated. Is bottom chord bearing. 2-0-0 oc. signed for a live load of 30.0psf on the chord and any other members, with E nection (by others) of truss to bearing 3, 32, 31, 29, 28, 27. equired to provide full bearing surfact n accordance with the 2018 International content of the second second second second second second second second second bar of the second sec	ign. bh; TCDL=5.0psf; BCDL 14, Exterior(2N) 3-7-14 ne;C-C for members an For studs exposed to w designer as per ANSI/T b DOL=1.15); Pf=20.0 p n. of 12.0 psf or 2.00 time re load nonconcurrent w the bottom chord in all a 3CDL = 10.0psf. Ig plate capable of withs e with truss chord at joir onal Residential Code s	=5.0psf; h=24ft; Ca to 12-9-10, Corner d forces & MWFRs ind (normal to the 'PI 1. sf (Lum DOL=1.15 s flat roof load of 2 ith any other live lo areas where a recta standing 100 lb upl ht(s) 44, 40, 41, 42 ections R502.11.1	at. II; Exp B; E (3R) 12-9-10 S for reactions face), see Sta Plate DOL=1 0.0 psf on ove pads. angle 3-6-0 tal ift at joint(s) 2 , 43, 45, 46. and R802.10	Inclosed; to 29-0-0 s shown; undard Inc .15); Is=1 erhangs I by 1-0-0 , 44, 39, 3	MWFRS Lumber dustry 1.0; Rough 0 wide will 37, 38, 41,	SEAL 28147	IIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
Continuing on perify 2 lesign p vertically. Applicability of de	arameters and read notes before use. The sign parameters and proper incorporation of	is design is based only upor f component is responsibilit	n parameters shown, a ty of building designer	nd is for an indi – not truss desi	vidual buil gner or tru	ding compone ss engineer	ent to be installed and load Bracing shown is for later	led al support	

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Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY VARINA, NC
21-5986-R01	R01	GABLE	1	1	Job Reference (optional) # 28556
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Sep 22 14:44:07 2021 Page

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-JkJRqGiVFYwmHGv16XwtPw_ai9_VNHnNqOJQ_Dyb3l6

16) 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. 17) 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.

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

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Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY VARIN	NA, NC
21-5986-R01	R01B	Hip	1	1	Job Reference (optional)	# 28556
		ID:N	/Pr2P9H?	n?aoDn?	8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Cktxvnlzouw4-F6RBFykInAAUWa2PEyzLV	d Sep 22 14:44:09 2021 Page 2 VL4mczXNr12gHioX35yb3l4

NOTES- (13-16)

- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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 ENCINEER FOR ADDITIONAL BRACING CONSIDERATIONS ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

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D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY VARINA, NC	
21-5986-R01	R02	Roof Special	7	1	Job Reference (optional) # 28556	í
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Sep 22 14:44:10 202	21 Page 2

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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

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.

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Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY V	ARINA, NC
21-5986-R01	R02B	Roof Special	1	1	Job Reference (optional)	# 28556
		ID:N	1Pr2P9H?	n?aoDn?(8.430 s Feb 12 2021 MiTek Industries, Inc. Cktxvnlzouw4-gh6Ktzmd45Y3N1n_v4	Wed Sep 22 14:44:12 2021 Page 2 W26zilJAWX2Oe6zg1BgQyb3I1

NOTES-(12-15)

9) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12. 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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.

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LOAD CASE(S) Standard





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Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY VARINA,	, NC
21-5986-R01	R03	Common	4	1	Job Reference (optional)	# 28556
		ID:N	IPr2P9H?	n?aoDn?(8.430 s Feb 12 2021 MiTek Industries, Inc. Wed So Cktxvnlzouw4-c4E4IfnuciondLxN0VZWCOnc	ep 22 14:44:14 2021 Page 2 A_DHWNfPR_WlkJyb3I?

NOTES- (12-15)

- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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





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Job	Truss	Truss Type	Qty	Ply	49786-0222 WOODGROVE FUQUAY VARINA, NC	
21-5986-R01	R04	Common	4	1	Job Reference (optional) # 28556	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Sep 22 14:44:15 2021	Page 2

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-4GoSV?oWN0wdEVWZaC4lkcKozNa4FqVZfeFsGlyb3I_

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

LOAD CASE(S) Standard







—					4	1-8-8						
Plate Offsets	(X,Y) [2:0-2-	-1,0-0-5], [16:0-3-0,0-2-	0], [22:0-3-0,0)-2-0], [32:0-	4-0,Edge]	[56:0-3-0,0-1-8]						
LOADING (ps 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 IRC2018/T	2-0-0 1.15 1.15 YES PI2014	CSI . TC BC WB Matri	0.07 0.09 0.15 x-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 0.00 0.00	(loc) 1 1 36	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 375 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS OTHERS SLIDER	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Left 2x4 SP I	No.3 - 1-6-7				BRACING- TOP CHORD BOT CHORD WEBS	Struc end v Rigid 1 Rov	etural we verticals ceiling w at mi	ood shea 3. directly dpt	athing direc applied or 19-52 21-50	etty applied or 6-0-0 oc 10-0-0 oc bracing. 2, 18-53, 17-54, 16-55, 1, 22-49, 23-47	purlins, except 15-57, 20-51,
REACTIONS. (lb)	All bearings - Max Horz 2= Max Uplift A 47 Max Grav A	s 41-8-8. 116(LC 14) Il uplift 100 lb or less a , 46, 45, 44, 43, 42, 41 Il reactions 250 lb or le	t joint(s) 2, 52, , 40, 39, 38, 3 ss at joint(s) 3	, 53, 54, 57, 7 36. 2. 52. 53	58, 59, 60 . 54, 55, 5 [.]	, 61, 62, 63, 64, 65 7, 58, 59, 60, 61, 6;	5, 66, 67 2. 63. 6	7, 51, 5 64. 65. (0, 66.			

67. 51. 50. 49. 47. 46. 45. 44. 43. 42. 41. 40. 39. 38. 37

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

NOTES-(15-18)

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

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=24ft; Cat. II; Exp B; Enclosed; MWFRS

(envelope) gable end zone and C-C Corner(3E) -0-6-8 to 3-8-0, Exterior(2N) 3-8-0 to 12-9-15, Corner(3R) 12-9-15 to 29-0-0, Exterior(2N) 29-0-0 to 37-4-11, Corner(3E) 37-4-11 to 41-6-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

a) 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

PROFESS; 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) Provide adequate drainage to prevent water ponding.

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

9) Gable requires continuous bottom chord bearing.

10) Gable studs spaced at 1-4-0 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) 2, 52, 53, 54, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 51, 50, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37.

14) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

272021 1 Continuing by ber berge Zesign parameters and read notes before use. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

28147

K. MORP

9/20/2021

| Job | Truss | Truss Type | Qty | Ply | 49786-0222 WOODGROVE FUQUAY VARINA, NC |
|-------------|-------|------------|-----|-----|--|
| 21-5986-R01 | R05 | GABLE | 1 | 1 | Job Reference (optional) # 28556 |
| | | | | | 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Sep 22 14:44:21 2021 Page 2 |

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-vQ9km2tHysgnyQzjxTB9_sa0eoogffxR2aiATPyb3Hu

15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

17) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 18) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





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| Job | Truss | Truss Type | Qty | Ply | 49786-0222 WOODGROVE FUQUAY VARINA, NC |
|-------------|-------|------------|-----|-----|---|
| 21-5986-R01 | R05B | Нір | 1 | 1 | Job Reference (optional) # 28556 |
| | | | | | 8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Sep 22 14:44:23 2021 Pag |

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-rpHUBkuXUTxVCj752uDe3HfBGcHO7R_kVtBHXHyb3Hs

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

14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

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

LOAD CASE(S) Standard





| Job | Truss | Truss Type | Qty | Ply | 49786-0222 WOODGROVE FUQUAY V | /ARINA, NC |
|-------------|-------|---------------|----------|----------|--|--|
| 21-5986-R01 | R06 | COMMON GIRDER | 1 | 2 | Job Reference (optional) | # 28556 |
| | | ID:MP | r2P9H?n? | aoDn?Ckt | 8.430 s Feb 12 2021 MiTek Industries, Inc.
xvnIzouw4-nBPEcQwn04BDR1HUAJ | Wed Sep 22 14:44:25 2021 Page 2
F68ikU6P1nbFa1zBgNcAyb3Hg |

NOTES-(15-18)

12) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss) or equivalent spaced at 2-0-8 oc max. starting at 0-3-4 from the left end to 8-3-12 to connect truss(es) R03 (1 ply 2x6 SP) to back face of bottom chord.

13) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 10-3-12 from the left end to 18-3-12 to connect truss(es) R04 (1 ply 2x6 SP) to back face of bottom chord. 14) Fill all nail holes where hanger is in contact with lumber.

15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

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

17) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.

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

LOAD CASE(S) Standard

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

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

Concentrated Loads (lb)

Vert: 1=-1737(B) 9=-1642(B) 11=-1728(B) 12=-1728(B) 13=-1728(B) 14=-1728(B) 15=-1642(B) 16=-1642(B) 17=-1642(B) 18=-1642(B) 18





| Job | Truss | Truss Type | Qty | Ply | 49786-0222 WOODGROVE FUQUAY V | /ARINA, NC |
|-------------|-------|------------|-----|-----|--|---------------------------------|
| 21-5986-R01 | R07 | GABLE | 1 | 1 | Job Reference (optional) | # 28556 |
| | | | | | 8.430 s Feb 12 2021 MiTek Industries. Inc. | Wed Sep 22 14:44:27 2021 Page 2 |

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-jaW?15x2YhRwgLQtHkHaD7p3ODsf3N3KQV9Ug2yb3Ho

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











