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 #: 28832 JOB: 21-6092-R01 JOB NAME: 49786-0204 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. 14 Truss Design(s)

Trusses:

M01, R01, R02, R02B, R03, R04, R05, 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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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VAR	RINA, NC
21-6092-R01	R01	GABLE	1	1	Job Reference (optional)	# 28832
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:09:30 2021 Page 2

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-wEhhE5?2sXvK?uxlEI7ZYxxlrwGD_0JeP50YJYyWO5J

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.

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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VA	RINA, NC
21-6092-R01	R02	Roof Special	8	1	Job Reference (optional)	# 28832
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:09:32 2021 Page 2

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-scpSfn0JO992EB57MA91dM1wlkojSn6xsPVfOQyW05H

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Jop	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VA	ARINA, NC
21-6092-R01	R02B	Roof Special	1	1	Job Reference (optional)	# 28832
	·	ID:MP	2P9H?n?a	Dn?Cktx	8.430 s Feb 12 2021 MiTek Industries, Inc. vnlzouw4-p?xC4T2ZwmPmUVFWTbC\	. Tue Oct 5 19:09:34 2021 Page 2 /jn6HxXSIwg1EKi_mSJyWO5F

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
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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VARIN	A, NC
21-6092-R01	R03	Common	4	1	Job Reference (optional)	# 28832
8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:09:37 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-DacLiU4RDhnLLyz58jlCKQknYITZ73cg0gCQ3eyWO5/						

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- 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.
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10/4/2021



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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VA	RINA, NC
21-6092-R01	R04	Common	5	1	Job Reference (optional)	# 28832
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:09:39 2021 Page 2

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-9zk57A6ill12aG7TG8ngPrp85YAbbzizT_hX7WyWO5A

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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VAF	RINA, NC
21-6092-R01	R05	GABLE	1	1	Job Reference (optional)	# 28832
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:09:46 2021 Page '

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-SJfkbZB55Sw3wL9pA6PJCJcWlNj7kG5?4auPtcyW053

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Job	Truss	Truss Type	Qty	Ply	49786-0204 WOODGROVE FUQUAY VAI	RINA, NC
21-6092-R01	R06	COMMON GIRDER	1	2	Job Reference (optional)	# 28832
8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:09:49 2021 Page ID:MPr2P9H?n?aoDn?CktxvnIzouw4-suLtDbDzONIenouOrFz0pyEpFacJxPnRnY63UxyWO						

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.

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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	49786-0204 WOODGROVE FUQUAY VARINA, NC
21-6092-R01	R07	GABLE	1	1	Job Reference (optional) # 28832
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:09:51 2021 Page

ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-pGSdeHFDw_YL062nzf?UvNJOaOSGPX?kEsb9ZqyWO5_

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