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 #: 29186 JOB: 21-7123-R01 JOB NAME: 49786-0201 WOODGROVE Wind Code: 37 Wind Speed: Vult= 115mph Exposure Category: B Mean Roof Height (feet): 20 These truss designs comply with IRC 2015 as well as IRC 2018. *18 Truss Design(s)*

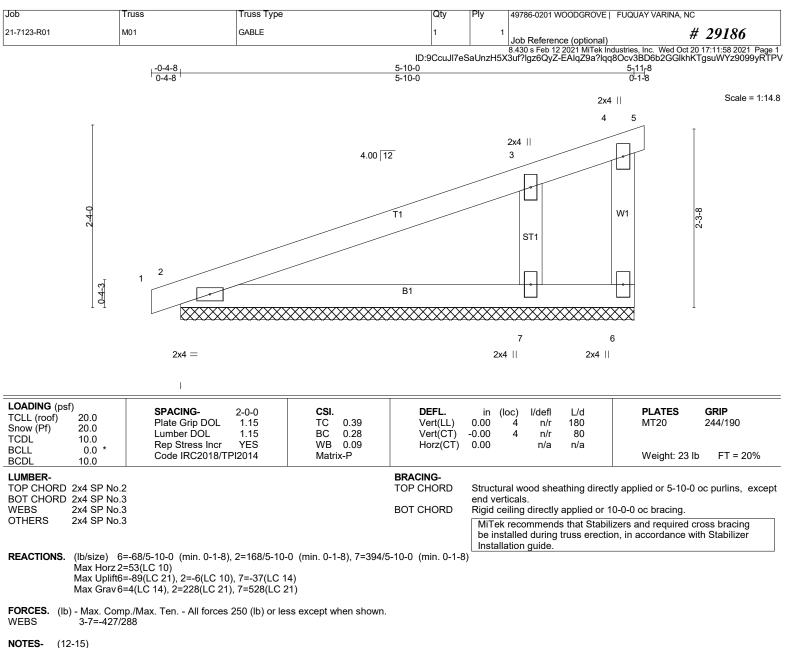
Trusses:

M01, M02, M03, R01, R02, R02B, R03, R03B, R04, R05, R06, R07, VT01, VT02, VT03, VT04, VT05, VT06



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



- 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 Corner(3E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry
- 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
- 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
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- anvelope) grave is in a segment of the plane or the segment of the plane of the segment of 9) 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 6, 6 lb uplift at joint 2 and
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

K. MORR

10/19/2021

Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC
21-7123-R01	M01	GABLE	1	1	Job Reference (optional) # 29186
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:11:59 2021 Page 2

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-iMsCmVadW7y?0mUFlxdqaUpwU5fiPJ8fmduZhcyRTPU

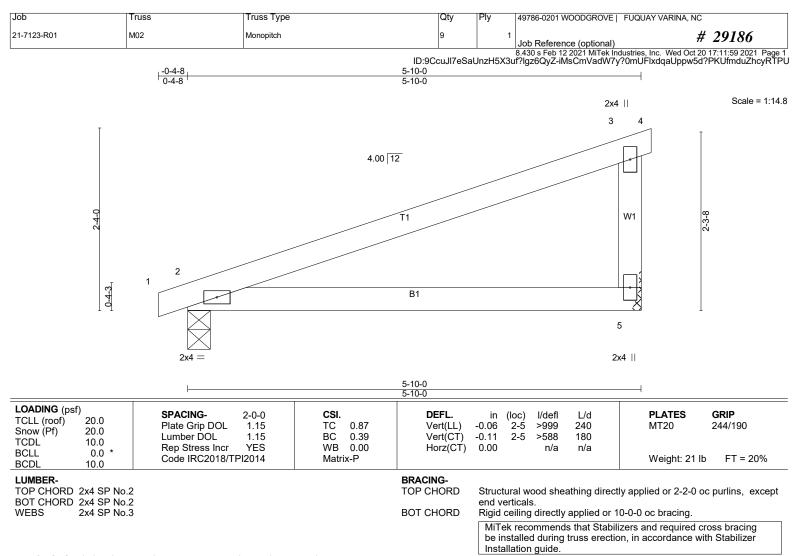
12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural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





REACTIONS. (lb/size) 5=237/Mechanical, 2=254/0-3-8 (min. 0-1-8) Max Horz 2=53(LC 10) Max Uplift5=-25(LC 14), 2=-17(LC 10) Max Grav 5=319(LC 21), 2=344(LC 21)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 3-5=-264/103

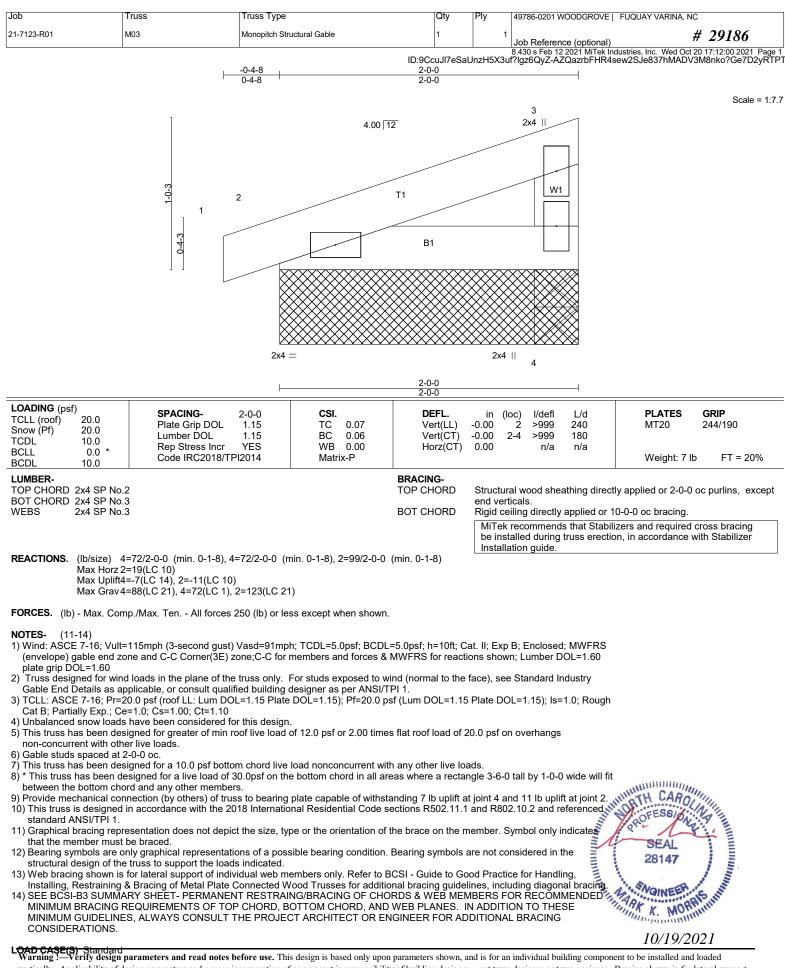
NOTES- (10-13)

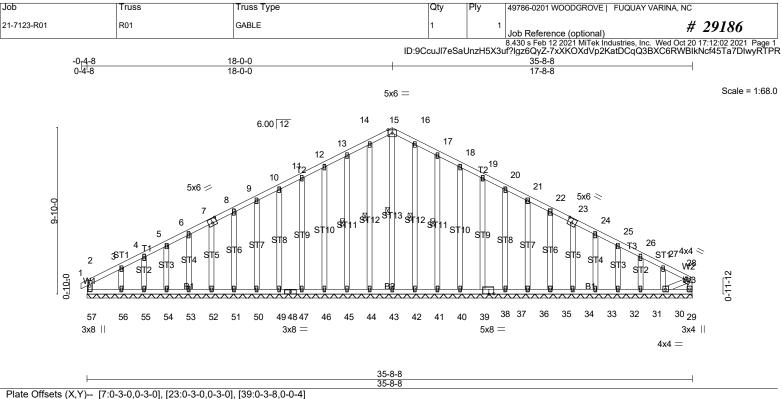
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=10ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=20.0 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

- 7) Refer to girder(s) for trues to trues connections.
 8) Provide mechanical connection (by others) of trues to bearing plate capable of withstanding 25 lb uplift at joint 5 and 17 lb uplift at joint 2.
 9) This trues is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the trues to support the loads indicated.
 12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard







		504]						
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 IRC2018/TPI2014	CSI. TC 0.10 BC 0.09 WB 0.14 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.00 1 0.00 1 0.01 29	l/defl n/r n/r n/a	L/d 180 80 n/a	PLATES MT20 Weight: 307 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP No. BOT CHORD 2x4 SP No. WEBS 2x4 SP No. OTHERS 2x4 SP No.	3 3	T	BRACING- FOP CHORD BOT CHORD WEBS	end vertical Rigid ceiling 1 Row at mi	s. directly a dpt	applied or 1 15-43,	ly applied or 6-0-0 oc 0-0-0 oc bracing. 14-44, 13-45, 16-42, izers and required cro	17-41

be installed during truss erection, in accordance with Stabilizer

ANGINE K. MORP

10/19/2021

Installation guide

REACTIONS. All bearings 35-8-8

(lb) - Max Horz 57=118(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) 57, 29, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 42, 41, 40, 39, 37, 36, 35, 34, 33, 32, 31, 30

Max Grav All reactions 250 lb or less at joint(s) 57, 29, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 42, 41, 40, 39, 37, 36, 35, 34, 33, 32, 31, 30

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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) -0-4-8 to 3-4-0, Exterior(2N) 3-4-0 to 14-0-0, Corner(3R) 14-0-0 to 22-0-0, Exterior(2N) 22-0-0 to 31-4-0, Corner(3E) 31-4-0 to 35-6-12 zone;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
- PROFESSIO Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 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 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.

- 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.

Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC
21-7123-R01	R01	GABLE	1	1	Job Reference (optional) # 29186
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:03 2021 Page

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-b85jcte7aMSRVNn1_mimlK_hxi4cL6KFhEsnqNyRTPQ

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.

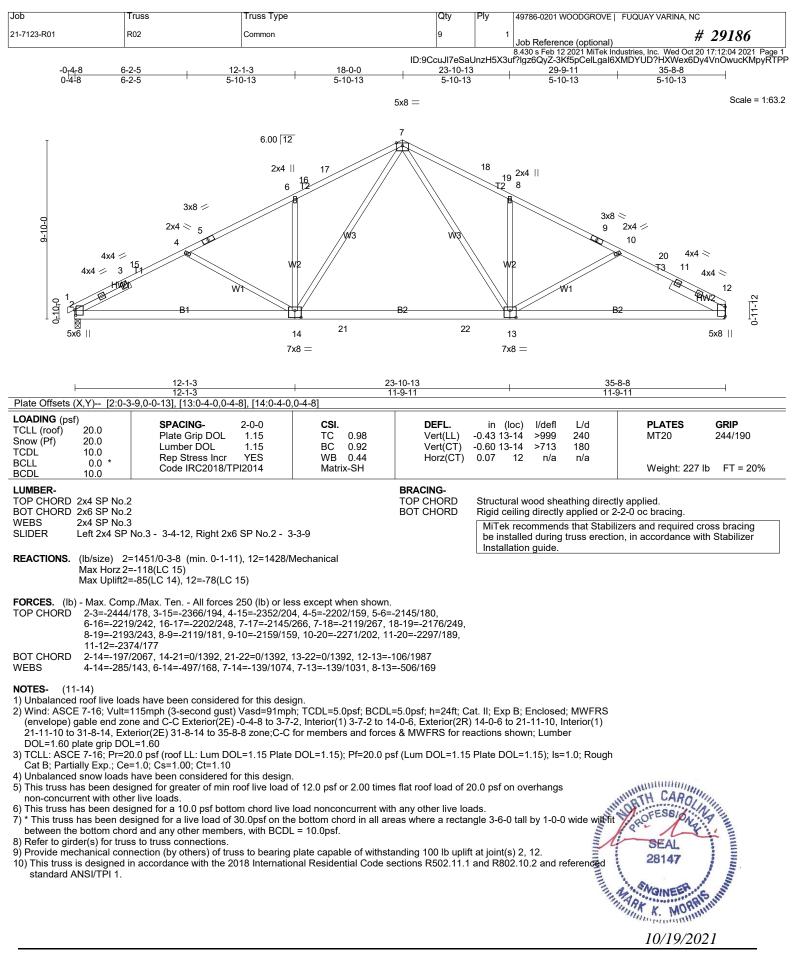
17) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 18) SEE BCSI-B3 SUMMARY SHEET- PERMANENT 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



10/19/2021



Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC	
21-7123-R01	R02	Common	9	1	Job Reference (optional) # 29186	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:04 202	1 Page 2

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-3Kf5pCelLgal6XMDYUD?HXWex6Dy4VnOwucKMpyRTPP

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.

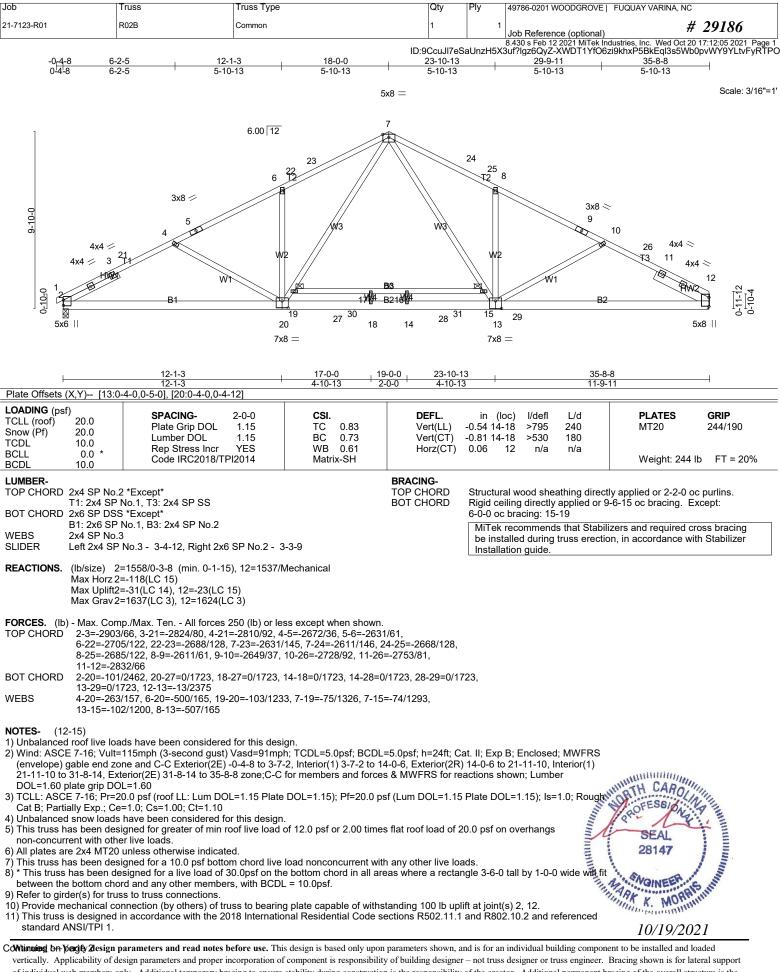
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OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



10/19/2021



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	49786-0201 WOODGROVE FUQUAY VARINA, NC
21-7123-R01	R02B	Common	1	1	Job Reference (optional) # 29186
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:05 2021 Page

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-XWDT1Yf06zi9khxP5BkEql3s5Wb0pvWY9YLtvFyRTPO

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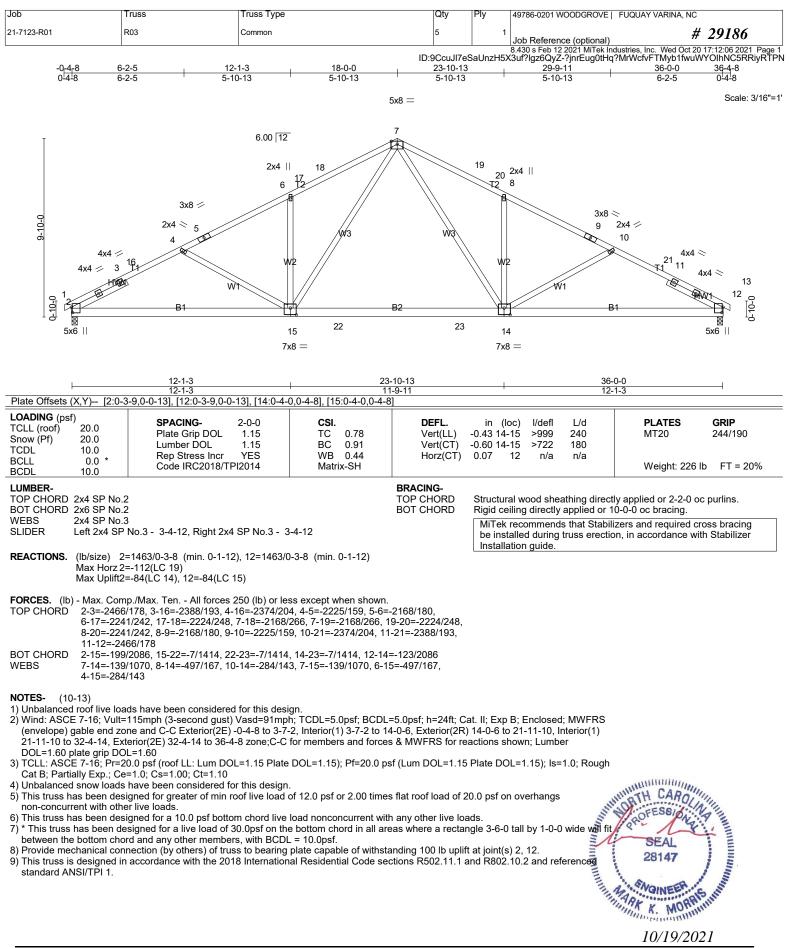
14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

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



10/19/2021



Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC	
21-7123-R01	R03	Common	5	1	Job Reference (optional) # 29186	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:06 2021 F	Page 2

ID:9CcuJI7eSaUnzH5X3uf?Igz6QyZ-?jnrEug0tHq?MrWcfvFTMyb1fwuWYOIhNC5RRiyRTPN

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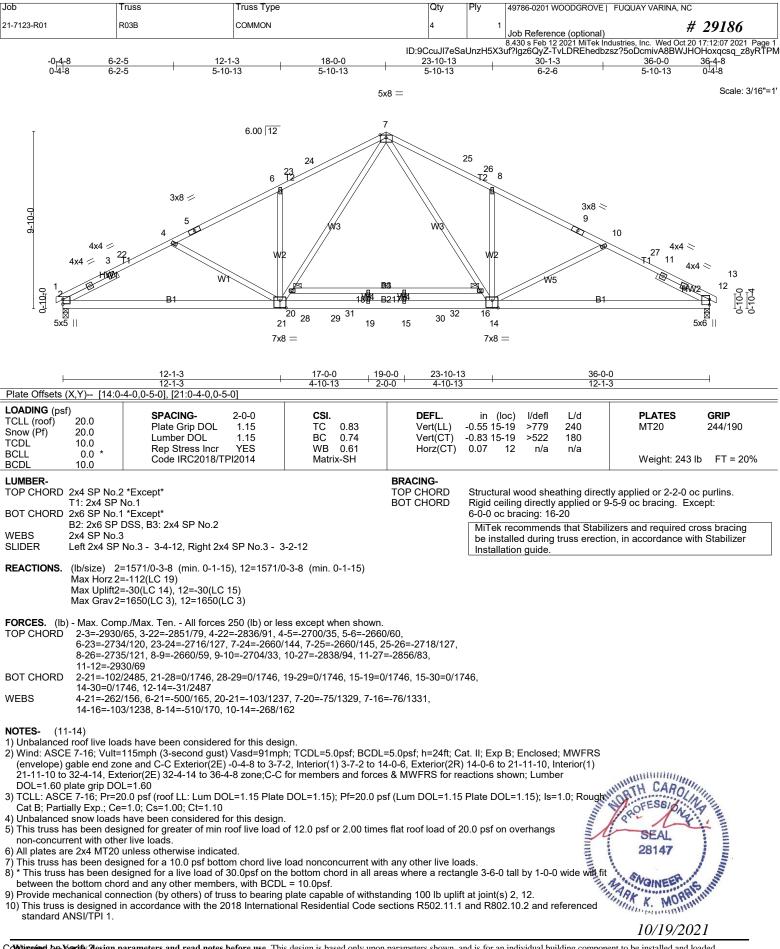
12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



10/19/2021



Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC	
21-7123-R01	R03B	COMMON	4	1	Job Reference (optional) # 29186	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:07 2021	Page 2

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-TvLDREhedbzsz?5oDcmivA8BWJHOHoxqcsq_z8yRTPM

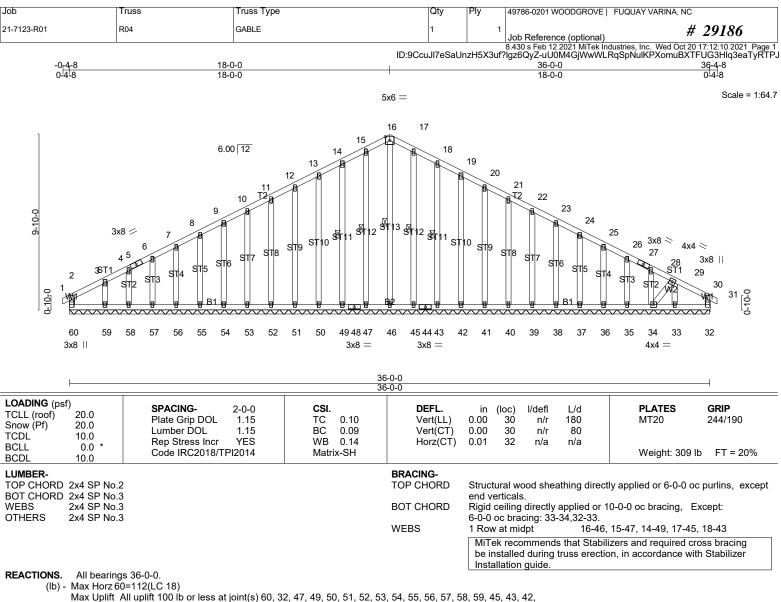
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13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

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

LOAD CASE(S) Standard





41, 40, 39, 38, 37, 36, 35 except 34=-106(LC 15)

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

(15-18) NOTES-

- 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) -0-4-8 to 3-4-0, Exterior(2N) 3-4-0 to 14-0-0, Corner(3R) 14-0-0 to 22-0-0, Exterior(2N) 22-0-0 to 32-4-14, Corner(3E) 32-4-14 to 36-4-8 zone;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
- Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 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 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.
- 11) This it does not been designed for a live load of 30.0pst on the bottom chord in an area of the intervention of the bottom chord and any other members, with BCDL = 10.0pst.
 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 60, 32, 47, 49, 50, 51, 50, 51, 55, 56, 57, 58, 50, 45, 43, 42, 41, 40, 39, 38, 37, 36, 35 except (jt=lb) 34=106.
- 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.

SEAL 28147 Side Will MANNEET BE MONEET BE MONE BE MO 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.

Max Grav All reactions 250 lb or less at joint(s) 60, 32, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 45, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33

Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC
21-7123-R01	R04	GABLE	1	1	Job Reference (optional) # 29186
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:11 2021 Page

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-MgakHck8hpTlScOZSSre30J3xxpUDjJQXUoC6vyRTPI

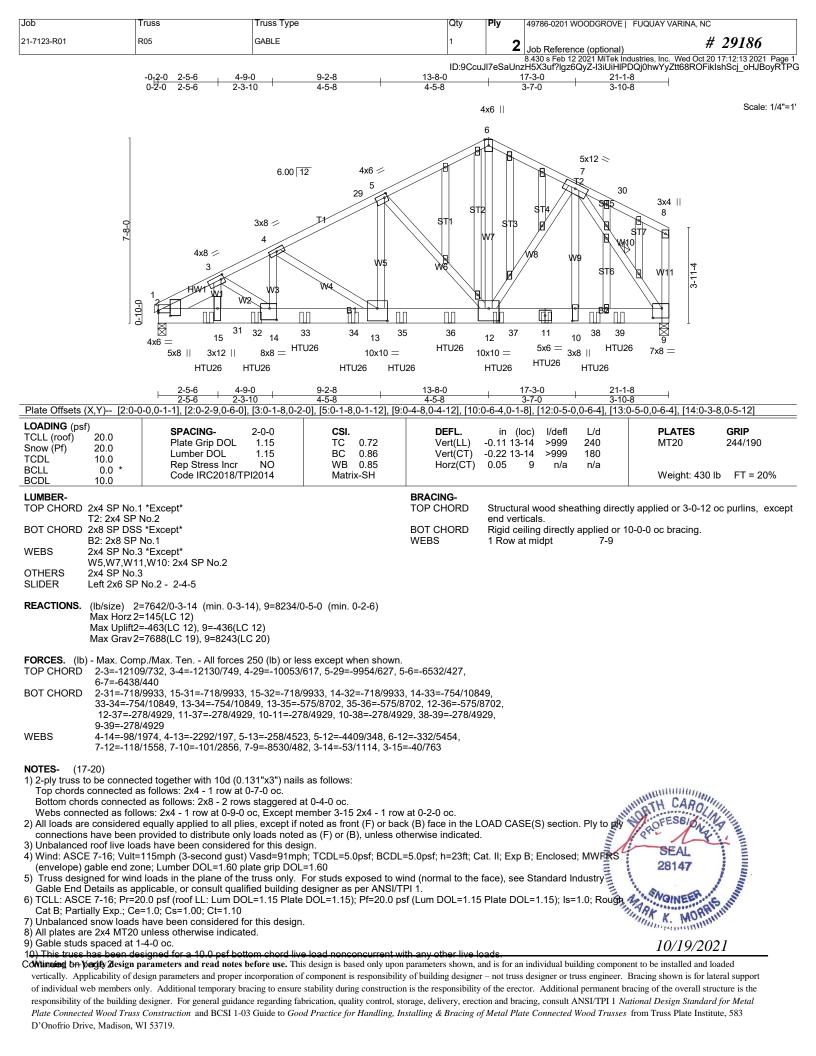
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 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 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

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





Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC
21-7123-R01	R05	GABLE	1	2	Job Reference (optional) # 29186
			ID:9CcuJ		8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:13 2021 Page 2 zH5X3uf?lgz6QyZ-I3iUiHIPDQj0hwYyZtt68ROFikIshScj oHJBoyRTPG

NOTES- (17-20)

- 11) * 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.
- 12) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=463, 9=436.
 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.
- 15) 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 2-0-12 from the left end to 19-0-12 to connect truss(es) R02 (1 ply 2x6 SP), R02B (1 ply 2x6 SP) to back face of bottom chord.
- 16) Fill all nail holes where hanger is in contact with lumber.
- 17) 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. 18) 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.
- 19) 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. 20) 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)

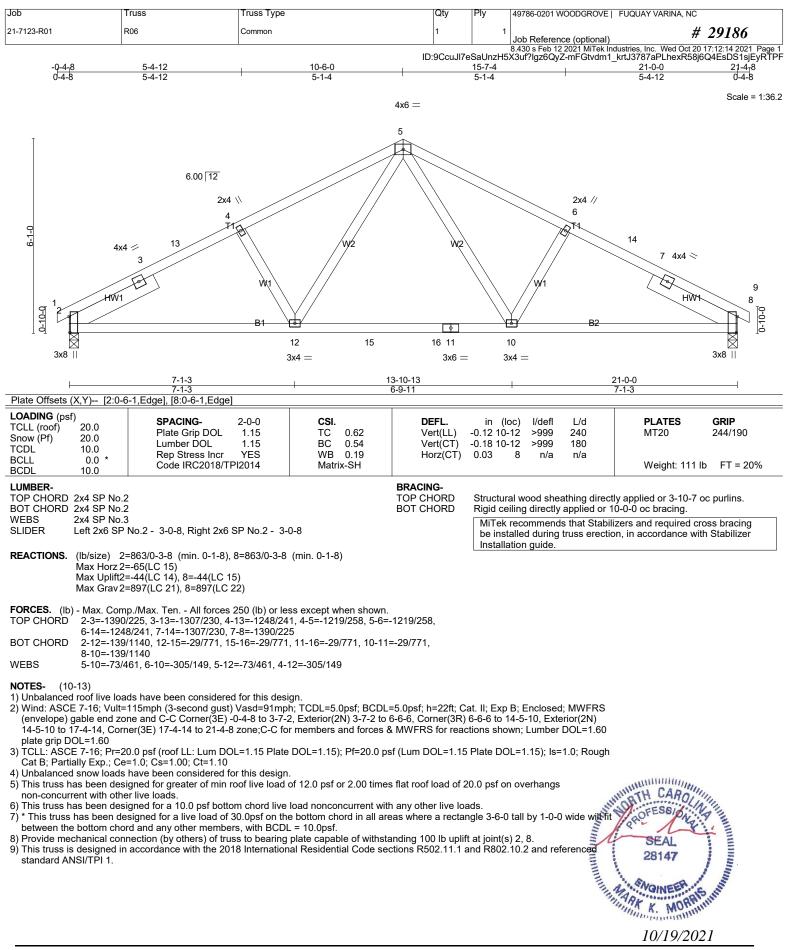
Vert: 1-6=-60, 6-8=-60, 2-9=-20

Concentrated Loads (lb)

Vert: 11=-1408(B) 31=-1408(B) 32=-1408(B) 33=-1408(B) 34=-1408(B) 35=-1408(B) 36=-1408(B) 37=-1408(B) 38=-1408(B) 39=-1517(B)



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Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC	
21-7123-R01	R06	Common	1	1	Job Reference (optional) # 29186	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:14 2021	Page 2

ID:9CcuJI7eSaUnzH5X3uf?lgz6QyZ-mFGtvdm1_krtJ3787aPLhexR58j6Q4EsDS1sjEyRTPF

10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

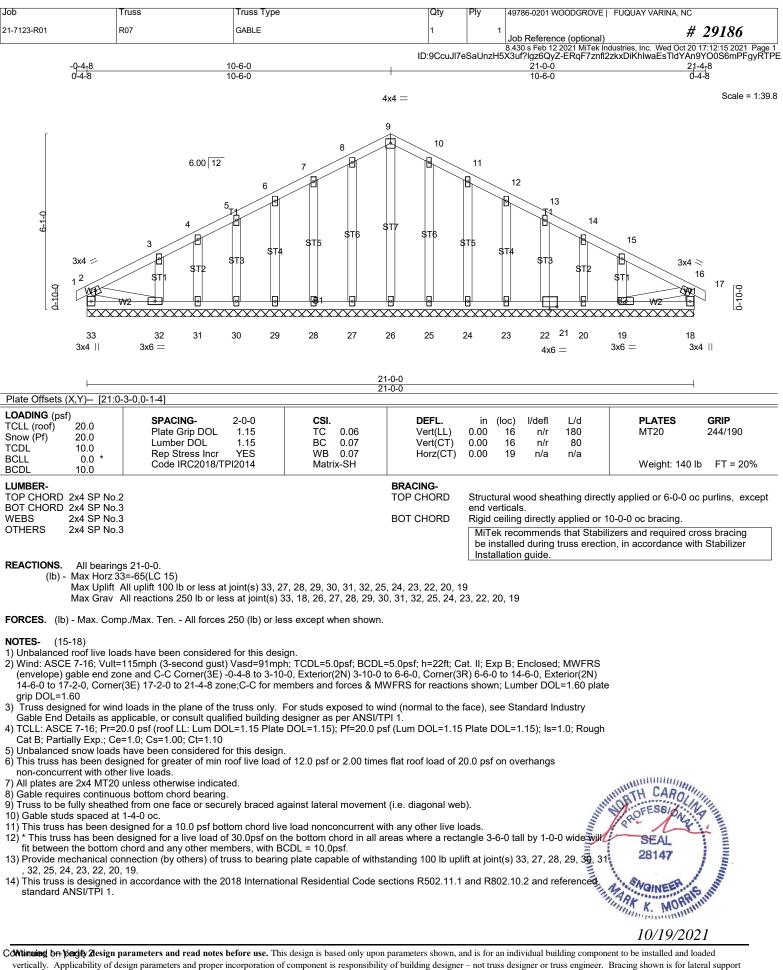
12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



10/19/2021



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

Job	Truss	Truss Type	Qty	Ply	49786-0201 WOODGROVE FUQUAY VARINA, NC	
21-7123-R01	R07	GABLE	1	1	Job Reference (optional) # 29186	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Wed Oct 20 17:12:15 2021 F	Page 2

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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.

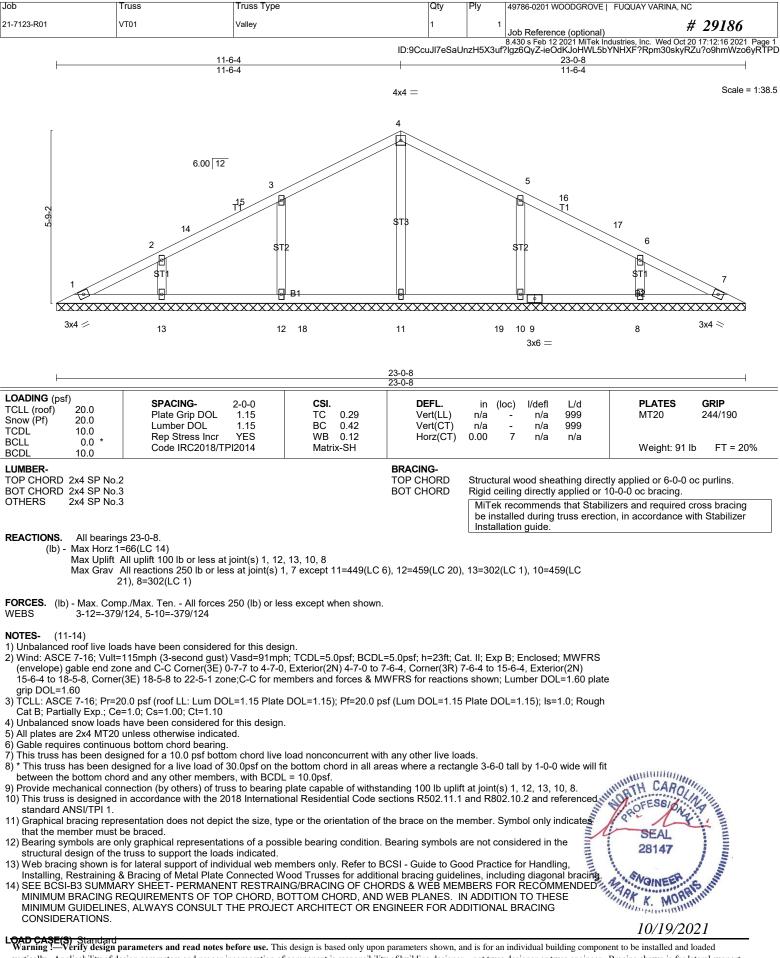
17) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

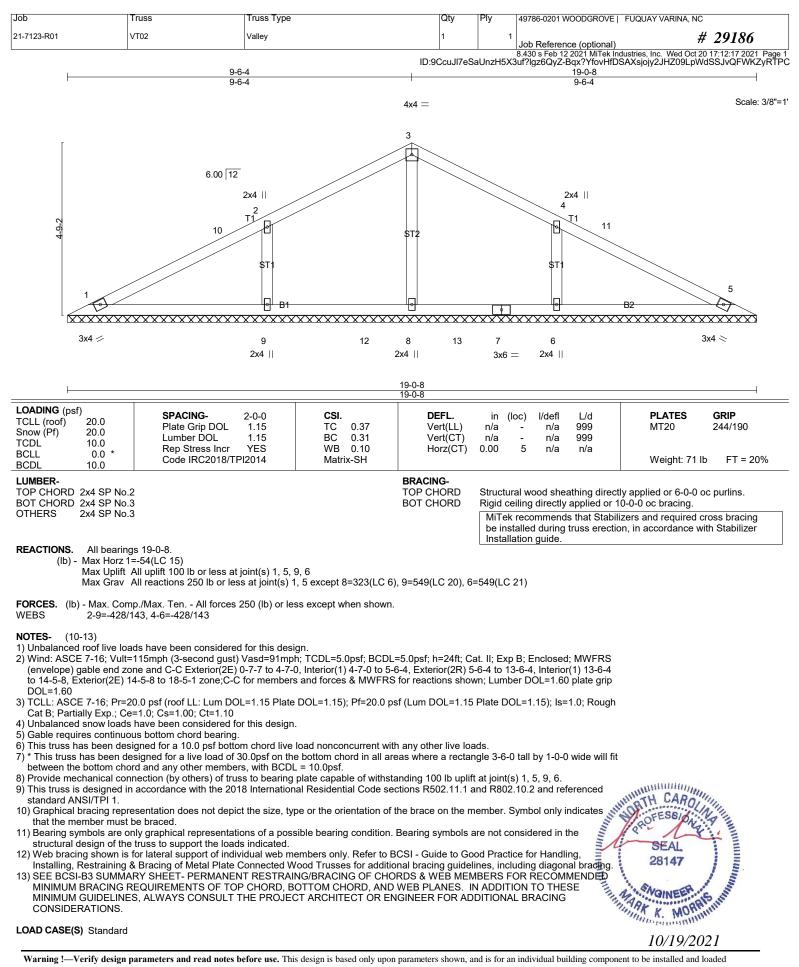
Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 18) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS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

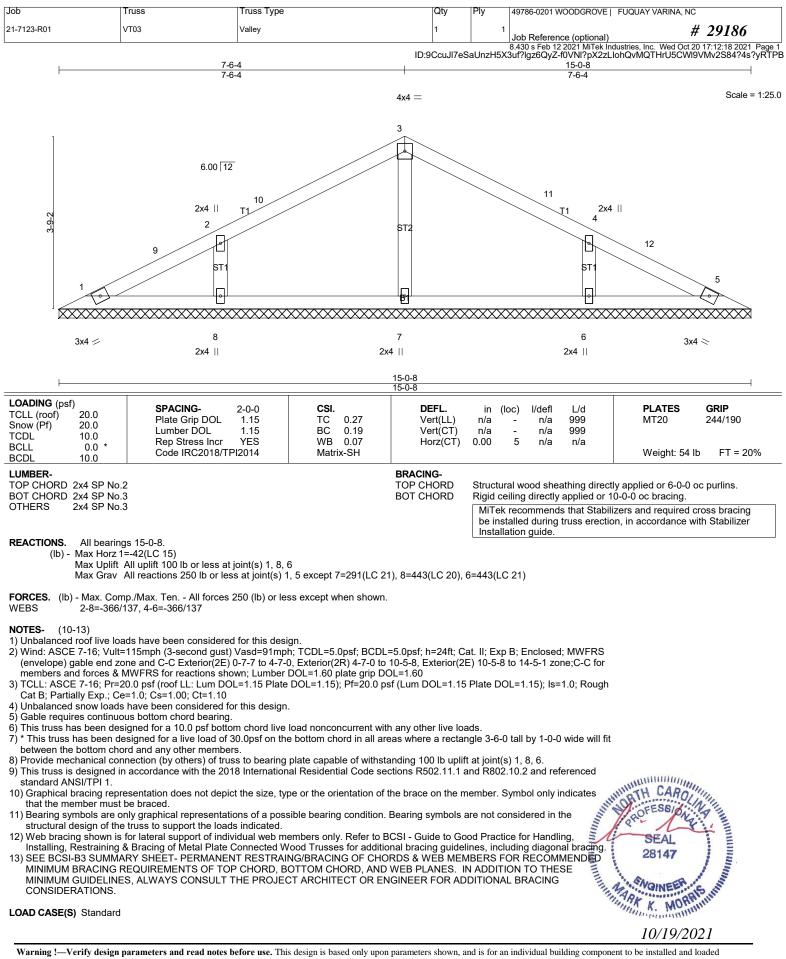
LOAD CASE(S) Standard

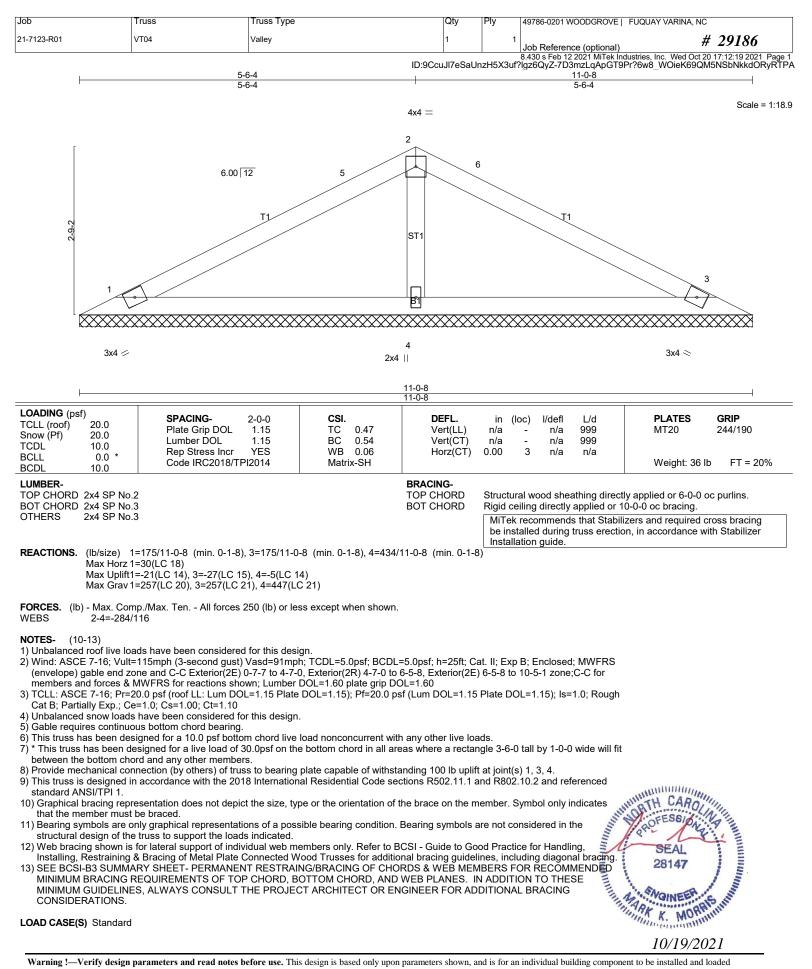


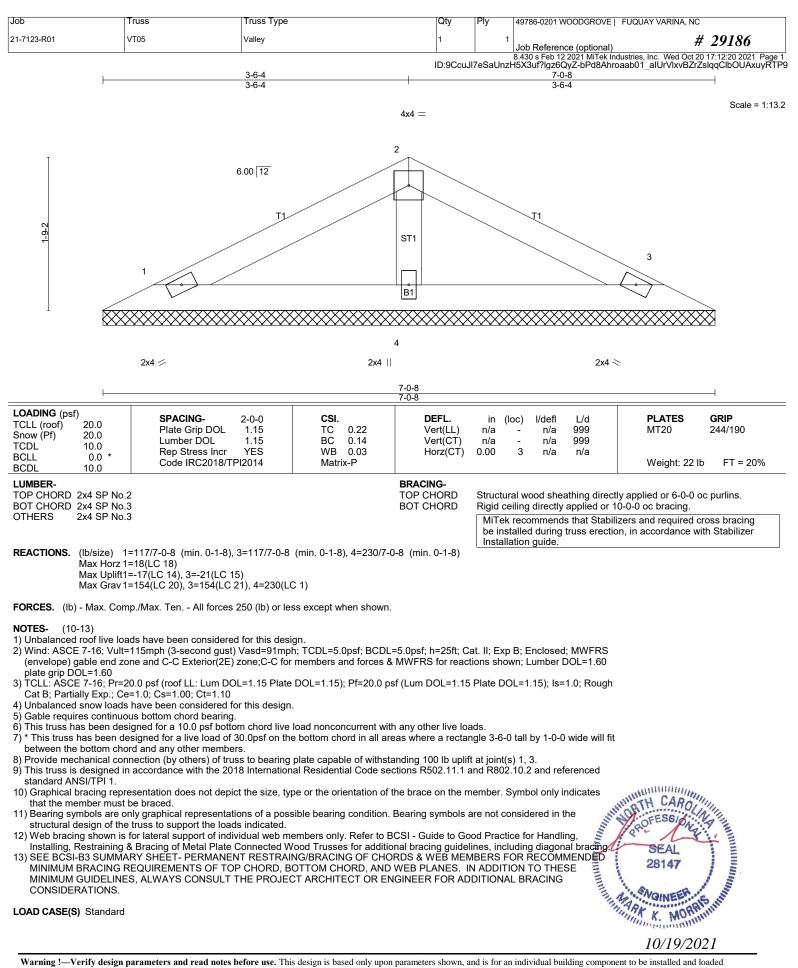
10/19/2021

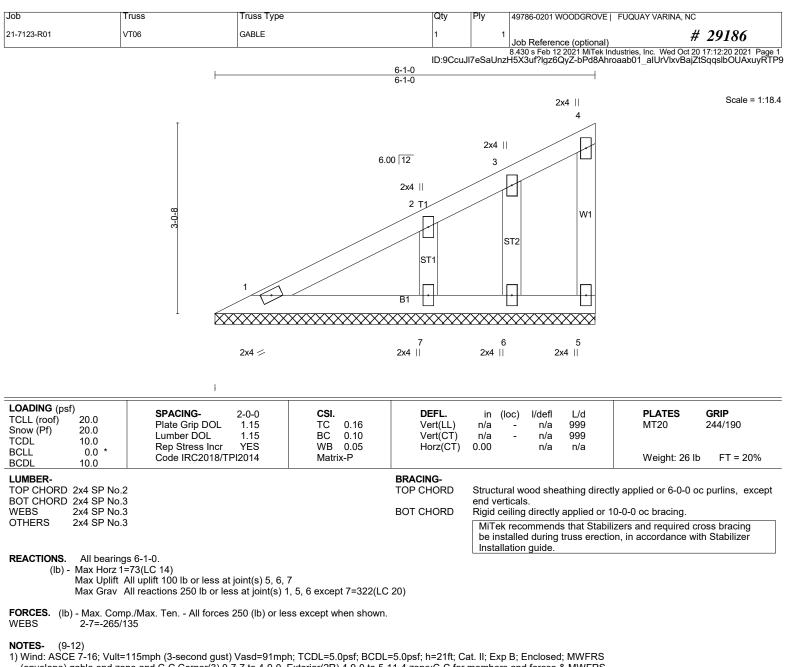












- JTEs-Wind: ASCE 7-16; vum (envelope) gable end zone and Coole for reactions shown; Lumber DOL=1.60 plate grip =) TOLL: ASCE 7-16; Pre20.0 psf (roof LL: Lum DOL=1.15 Plate = Cat B; Partially Exp; Ce=1.0; Cs=1.00; Ct=1.10
 JUnbalanced snow loads have been considered for this design.
 J Unbalanced snow loads have been considered for this design.
 J Chais shas been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 This truss has been designed for a live load of 30.0 psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wave with between the bottom chord and any other members.
 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplif at joint(s) 5, 6, 7.
 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1 1.
 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 noty considered in the inclusion of the truss to support the loads indicated.
 In Bearing symbols are noty oraphical representations of a possible bearing condition. Bearing symbols are not considered in the inclusion of the truss to support the loads indicated.
 In PESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDE inclusion of individual web members only. Refer to BCSI Guide to Good Practice for Handling.
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 In PESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDE inclusion of individual web members on the plances. IN ADDITIONAL BRACING
 <li

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