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 #: 28854 JOB: 21-6094-R01

JOB NAME: 49786-0228 WOODGROVE

Wind Code: 37

Wind Speed: Vult= 115mph

Exposure Category: B

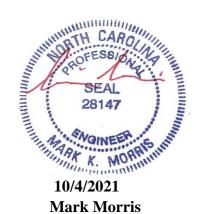
Mean Roof Height (feet): 23

These truss designs comply with IRC 2015 as well as IRC 2018.

9 Truss Design(s)

Trusses:

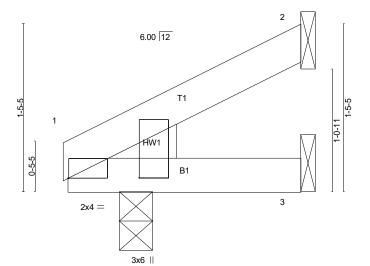
J01, M01, M02, R01, R02, R03, R04, R05, R07



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

Joh Truss Truss Type Qty 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 J01 Jack-Open # 28854 Job Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:06 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-fXt8mwg_DWKofUTgqYDFqQy3aOs2Hg_YBPq2yAyWNcl 2-0-0 0-0-8 0-0-8 2-0-0



2-0-0 0-5 1-6-12

Plate Offsets (X,Y)-- [1:0-0-1,Edge], [1:0-0-1,0-7-5]

- Hate Greek (A) / [10 G A] = 4g J [10 G A] G F G								
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.09 BC 0.04 WB 0.00	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 1 >999 240 Vert(CT) -0.00 1-3 >999 180 Horz(CT) -0.00 2 n/a n/a	PLATES GRIP MT20 244/190				
BCDI 10.0	Code IRC2018/TPI2014	Matrix-P		Weight: 7 lb FT = 20%				

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

WFDGF

Left: 2x4 SP No.3

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide

Scale = 1:9.9

REACTIONS. (lb/size) 2=59/Mechanical, 3=20/Mechanical, 1=78/0-3-8 (min. 0-1-8)

Max Horz 1=28(LC 14)

Max Uplift2=-23(LC 14)

Max Grav 2=79(LC 20), 3=39(LC 7), 1=99(LC 20)

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

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=9ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * 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.
- Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 8) 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.
- 9) 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.
- 10) 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.
- 11) 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
- 12) SEE BČŠI-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



.lob Truss Truss Type Qty 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 M01 Monopitch # 28854 Job Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:07 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-7jRWzGgc_qSfHd2sNGkUMdV9Vo6O07EiQ3abVcyWNck -0-6-8 0-6-8 3-10-0 Scale: 1"=1" 2x4 | 4.00 12 Т1 W1 2 0-2-0 В1 3x4 = 5 3x6 | 2x4 || 3-4-12 Plate Offsets (X,Y)-- [2:0-0-0,0-1-6], [2:0-1-13,0-6-1] LOADING (psf) SPACING-DEFL. **PLATES** GRIP 2-0-0 CSI. in (loc) I/defl I/d TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.33 Vert(LL) -0.01 2-5 >999 240 MT20 244/190 Snow (Pf) 20.0 Lumber DOL 1.15 вс 0.42 Vert(CT) -0.02 2-5 >999 180 TCDL 10.0 WB 0.00 Rep Stress Incr YES Horz(CT) 0.00 n/a n/a **BCLL** 0.0 Code IRC2018/TPI2014 Weight: 16 lb Matrix-P FT = 20%**BCDL** 10.0 LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except BOT CHORD 2x4 SP No.2 end verticals 2x4 SP No.3 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEDGE MiTek recommends that Stabilizers and required cross bracing Left: 2x4 SP No.3 be installed during truss erection, in accordance with Stabilizer Installation guide.

WFBS

(lb/size) 5=155/Mechanical, 2=186/0-3-8 (min. 0-1-8) REACTIONS.

Max Horz 2=42(LC 14)

Max Uplift5=-27(LC 14), 2=-25(LC 10) Max Grav 5=206(LC 21), 2=252(LC 21)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; 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 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
- 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 truss to truss connections.

 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.

 9) 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.

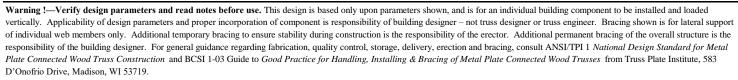
 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

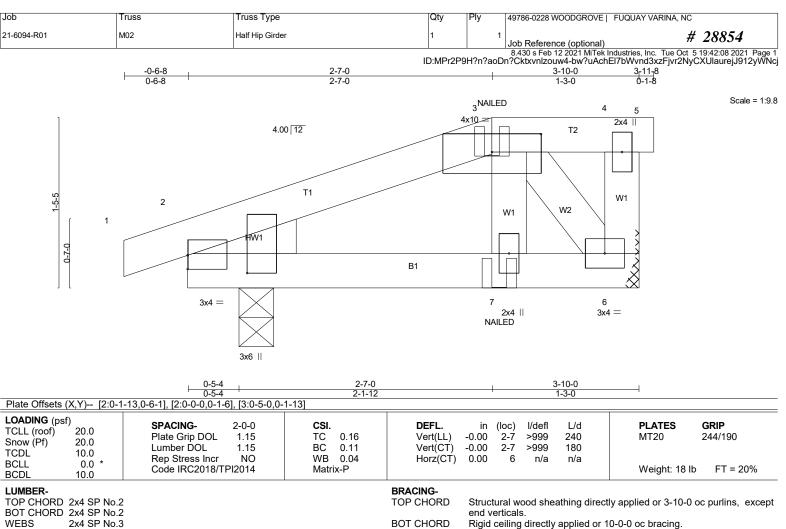
 11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 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 *10/4/2021*





WEDGE

Left: 2x4 SP No.3

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

(lb/size) 6=168/Mechanical, 2=192/0-3-8 (min. 0-1-8) REACTIONS.

Max Horz 2=30(LC 12)

Max Uplift6=-21(LC 8), 2=-31(LC 8) Max Grav 6=184(LC 33), 2=267(LC 34)

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

NOTES- (13-16)

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; 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) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2.
- 10) 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.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 13) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates
- 14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the
- 15) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling,
- Graphical bracing representation does not depict the size, type or the orientation of the Brace Strain of the trust be braced.

 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the trust 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 the post-RS SLIMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED 16) 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.

SEAL 28147

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Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC	
21-6094-R01	M02	Half Hip Girder	1	1	Job Reference (optional) #	28854

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:09 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-36ZGOyisWRjNWxCFVgmyS2aYictjU18_tN3iZVyWNci

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 4-5=-60, 2-6=-20 Concentrated Loads (lb) Vert: 3=-20(B)



10/4/2021

Job Truss Truss Type 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 R01 GABLE # 28854 lob Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:11 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-?Vh1pdj722z5mFMdc5pQXTftSPWcyvqHLhYpeNyWNcg 19-0-0 38-0-0 38-6-8 0-6-8 19-0-0 19-0-0 0-6-8 Scale = 1:66.3 5x6 =16 17 6.00 12 18 19 20 21 10 23 3x8 < 24 ST12 ST13 ST14 6 3x8 < St15 26 ST16 27 ST17 ²⁸29 ST 59 4x4 < 30 32 53 54 52 51 31 50 56 5x6 =3x4 || 3x4 || 33 34 49 46 40 39 38 35 3.00 12 5x6 = 5x8 = 18-10-8 38-0-0 9-3-8 19-1-8 Plate Offsets (X,Y)-- [2:0-1-15,0-0-6], [31:0-2-1,0-0-5], [46:0-3-0,0-0-12] LOADING (psf) SPACING-**PLATES** GRIP 2-0-0 CSI DEFL. in (loc) I/defl I/d TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.21 Vert(LL) 0.00 31 n/r 180 MT20 244/190 Snow (Pf) 20.0 Lumber DOL 1.15 вс 0.21 Vert(CT) 0.00 32 n/r 80 TCDL 10.0 0.15 Rep Stress Incr YES WB Horz(CT) 0.01 31 n/a n/a

LUMBER-

BCLL

BCDL

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No 3

Left 2x4 SP No.3 - 2-4-11, Right 2x4 SP No.3 - 1-7-7 SLIDER

BRACING-

TOP CHORD **BOT CHORD WEBS**

Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

16-46, 15-47, 17-45, 18-44

Weight: 307 lb

FT = 20%

REACTIONS. All bearings 38-0-0

0.0

10.0

(lb) - Max Horz 2=118(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) 2, 53, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 33

Matrix-SH

Max Grav All reactions 250 lb or less at joint(s) 2, 53, 46, 47, 48, 49, 50, 51, 52, 54, 55, 56, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 33, 31 except 57=348(LC 34)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 15-16=-139/252

Code IRC2018/TPI2014

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=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-6-8 to 3-4-11, Exterior(2N) 3-4-11 to 15-0-0, Corner(3R) 15-0-0 to 23-0-0, Exterior(2N) 23-0-0 to 34-7-5, Corner(3E) 34-7-5 to 38-6-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate
- 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.
 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 RTH CAROLANDER OF ESSION NOT THE

5) Unbalanced snow loads have been considered for this design.

- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.

9) Gable studs spaced at 1-4-0 oc.

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

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, with BCDL = 10.0psf.

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 53, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 33.

13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 53, 47, 48, 49, 50, 51, 52, 54, 55, 56, 57.

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.

10/4/2021

K. MORR

SEAL

Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC
21-6094-R01	R01	GABLE	1	1	Job Reference (optional) # 28854

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:11 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-?Vh1pdj722z5mFMdc5pQXTftSPWcyvqHLhYpeNyWNcg

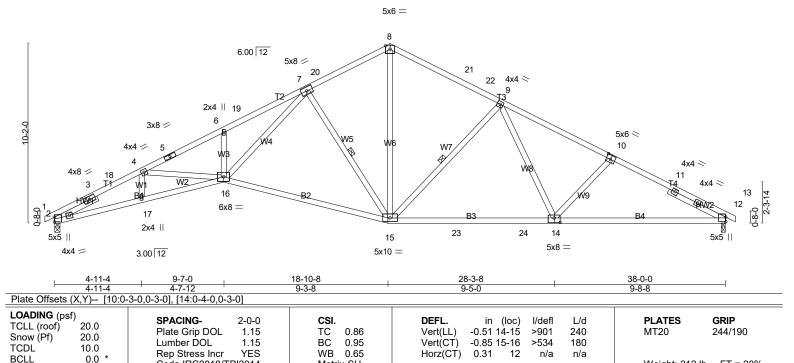
- 15) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
- 16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the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



Job Truss Truss Type Qty 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 R02 ROOF SPECIAL # 28854 Job Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:13 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-ytonEJlNagDo?YV0kWrucul3iD1WQhcao?1wiGyWNce 19-0-0 25-2-13 31-5-11 38-0-0 -0-6-8 0-6-8 4-11-4 4-7-12 4-8-8 4-8-8 6-2-13 6-2-13 6-6-5 0-6-8

Scale = 1:65.2



BRACING-

WFBS

TOP CHORD

BOT CHORD

LUMBER-

BCDL

TOP CHORD 2x4 SP No.2 *Except*

10.0

T2: 2x4 SP No.1, T1: 2x4 SP SS BOT CHORD 2x4 SP No.1 *Except*

B1: 2x4 SP SS

WEBS 2x4 SP No.3 *Except*

W4: 2x4 SP No.2

SLIDER Left 2x4 SP No.3 - 2-8-12, Right 2x4 SP No.3 - 3-7-2

REACTIONS. (lb/size) 2=1554/0-3-8 (min. 0-1-12), 12=1550/0-3-8 (min. 0-1-13)

Code IRC2018/TPI2014

Max Horz 2=118(LC 14)

Max Uplift2=-86(LC 14), 12=-85(LC 15)

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

TOP CHORD 2-3=-4350/271, 3-18=-4274/280, 4-18=-4245/288, 4-5=-4371/237, 5-6=-4341/250,

6-19=-4415/322, 7-19=-4288/324, 7-20=-1724/200, 8-20=-1660/219, 8-21=-1643/212

21-22=-1676/194, 9-22=-1738/187, 9-10=-2429/186, 10-11=-2586/182, 11-12=-2670/154 $2-17 = -331/3796,\ 16-17 = -330/3823,\ 15-16 = -98/2202,\ 15-23 = -53/1931,\ 23-24 = -53/1931,$

BOT CHORD 14-24=-53/1931, 12-14=-99/2275

WEBS 4-16=0/276, 6-16=-348/117, 7-16=-208/2639, 7-15=-1288/189, 8-15=-77/1175,

9-15=-750/162, 9-14=-4/526, 10-14=-273/139

(11-14)

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=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-6-8 to 3-4-11, Interior(1) 3-4-11 to 15-0-13, Exterior(2R) 15-0-13 to 22-11-3, Interior(1) 22-11-3 to 34-7-5, Exterior(2E) 34-7-5 to 38-6-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-SH

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 4) Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

6) 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide 📆 lift between the bottom chord and any other members, with BCDL = 10.0psf.

8) 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.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.

10) 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

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7/4/202

'ed ar

Weight: 212 lb

Structural wood sheathing directly applied or 2-1-4 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

7-15, 9-15

MiTek recommends that Stabilizers and required cross bracing

be installed during truss erection, in accordance with Stabilizer

2-2-0 oc bracing: 14-15.

1 Row at midpt

FT = 20%

Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC
21-6094-R01	R02	ROOF SPECIAL	8	1	Job Reference (optional) # 28854

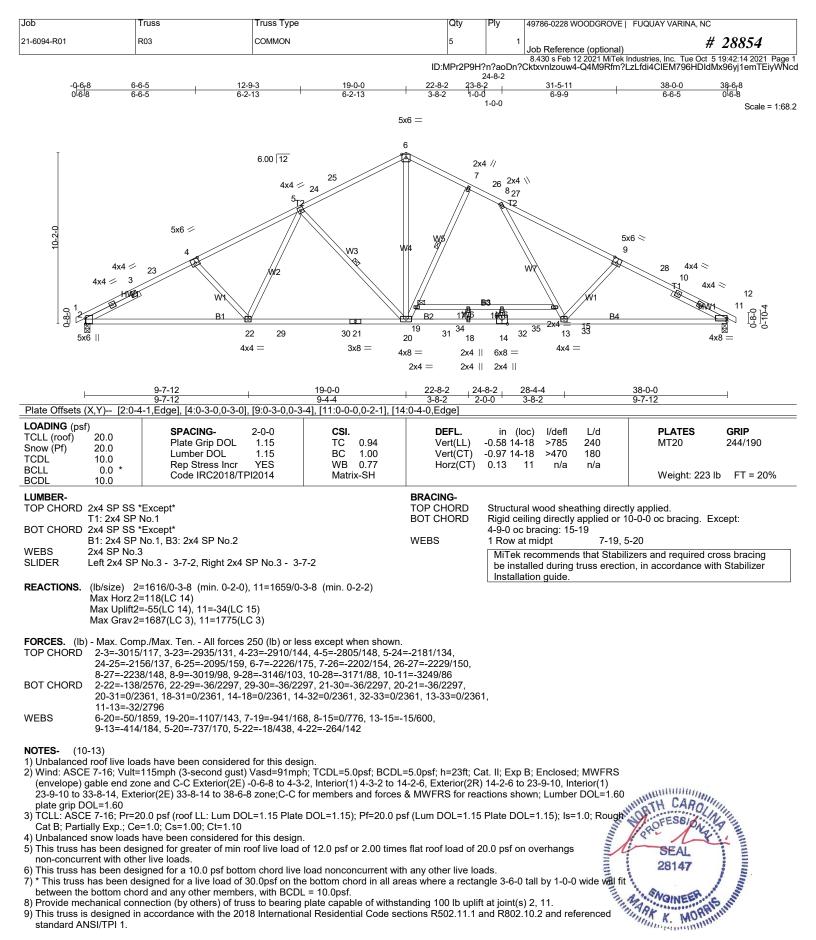
| Job Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:13 2021 Page 2 ID:MPr2P9H?n?aoDn?CktxvnIzouw4-ytonEJINagDo?YV0kWrucul3iD1WQhcao?1wiGyWNce

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

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

14) SEE BCSI-B3 SUMMARY SHEET- PERMANEŇŤ RESTRAING/BRĂCINĞ OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENT 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.





CoNtinuing by Perify 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.

10/4/2021

Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC	
21-6094-R01	R03	COMMON	5	1	Job Reference (optional) # 28854	!

| Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:14 2021 Page 2
ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-Q4M9Rfm?Lzt_fdi4ClEM796HDldMx96yj1emTEiyWNcd

- 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.

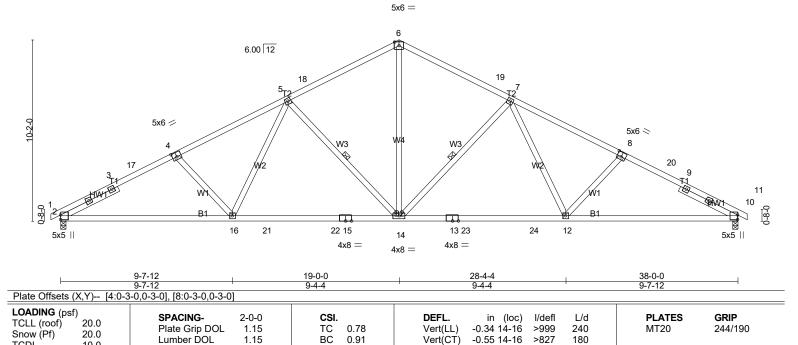
12) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT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

13) SEE BCSI-B3 SUMMARY SHEET- PERMANEŇŤ RESTRAING/BRĂCINĞ OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENT 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.



Job Truss Truss Type 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 R04 Common # 28854 Job Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:15 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-uGwYe?nd6HTWEsfPrxtMhJqQX1jYudvtFlW1n8yWNcc 12-9-3 19-0-0 31-5-11 38-0-0 6-6-5 6-2-13 6-2-13 6-2-13 6-2-13 6-6-5 0-6-8

Scale = 1:64.7



LUMBER-

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.1 2x4 SP No 3 WFBS

10.0

10.0

0.0

SLIDER Left 2x4 SP No.3 - 3-7-2, Right 2x4 SP No.3 - 3-7-2 BRACING-

Horz(CT)

0.12

TOP CHORD **BOT CHORD** WFBS

Structural wood sheathing directly applied or 2-2-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

7-14, 5-14 1 Row at midpt

>827

n/a

n/a

10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

Weight: 208 lb

FT = 20%

REACTIONS. (lb/size) 2=1553/0-3-8 (min. 0-1-13), 10=1553/0-3-8 (min. 0-1-13)

Rep Stress Incr

Code IRC2018/TPI2014

Max Horz 2=118(LC 14)

Max Uplift2=-87(LC 14), 10=-87(LC 15)

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

TOP CHORD 2-3=-2709/433, 3-17=-2629/438, 4-17=-2603/451, 4-5=-2508/435, 5-18=-1823/348,

6-18=-1745/374. 6-19=-1745/374. 7-19=-1823/348. 7-8=-2508/435. 8-20=-2603/451.

9-20=-2629/438, 9-10=-2709/433

BOT CHORD 2-16=-303/2308. 16-21=-170/1992. 21-22=-170/1992. 15-22=-170/1992. 14-15=-170/1992.

13-14=-170/1992, 13-23=-170/1992, 23-24=-170/1992, 12-24=-170/1992, 10-12=-303/2308

6-14=-204/1286, 7-14=-741/203, 7-12=-41/483, 8-12=-273/174, 5-14=-741/203, 5-16=-41/483, 4-16=-273/174

YES

NOTES-(11-14)

WEBS

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=23ff; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-6-8 to 4-3-2, Exterior(2N) 4-3-2 to 14-2-6, Corner(3R) 14-2-6 to 23-9-10, Exterior(2N) 23-9-10 to 33-8-14, Corner(3E) 33-8-14 to 38-6-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB 0.53

Matrix-SH

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

4) Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.

6) All plates are 4x4 MT20 unless otherwise indicated.

6) All plates are 4x4 MT20 unless otherwise indicates.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other into 1.5.
8) * 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 with between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
10) 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	49786-0228 WOODGROVE FUQUAY VARINA, NC
21-6094-R01	R04	Common	7	1	Job Reference (optional) # 28854

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:16 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-MSUwsLnFtbbNs0EbPf0bEXNbHQ3nd480UyFaJbyWNcb

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

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

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

Connected Wood 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.





8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:19 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-m1A2UNq89WzyjTzA4nylr9?7je8lqQZTAwUEwwyWNcY

Structural wood sheathing directly applied or 5-1-12 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing, Except:

MiTek recommends that Stabilizers and required cross bracing

be installed during truss erection, in accordance with Stabilizer

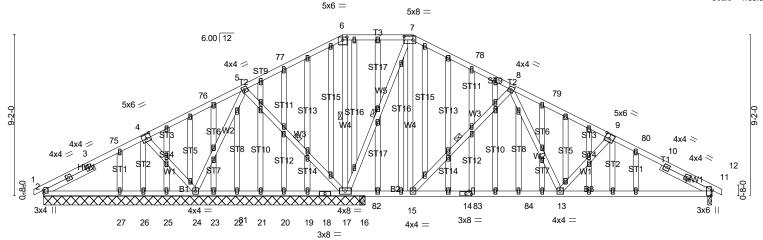
5-17, 6-17, 7-17, 8-15

10-0-0 oc bracing: 13-15,11-13.

1 Row at midpt

17-0-0 21-0-0 26-6-13 32-1-11 38-0-0 5-10-5 11-5-3 0-6-8 5-10-5 5-6-13 5-6-13 4-0-0 5-6-13 5-6-13 5-10-5

Scale = 1:65.5



8-7-			-0-0 21-0-0	29-4-4	38-0-0
8-7-	· <u>-</u>		0-0 3-0-0 '	8-4-4	8-7-12
Plate Offsets (X,Y) [2:0-2-1,0	<u>0-0-5], [4:0-3-0,0-3-0], [6:0-3-</u>),0-2-0 <u>]</u> , [7:0-6-0,0-2-8]	<u>, [9:0-3-0,0-3-0], [11:0</u>	0-3-13,0-0-13], [57:0-2-0,0-1	1-12]
CADING (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 0.77 BC 0.70 WB 0.62 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT	-0.21 13-15 >999 2 -0.31 13-15 >758 1	PLATES GRIP 40 MT20 244/190 80 n/a Weight: 410 lb FT = 20%

BRACING-

WFBS

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except*

B1: 2x4 SP No.3 WEBS 2x4 SP No 3 2x4 SP No.3 **OTHERS**

SLIDER Left 2x4 SP No.3 - 3-2-11, Right 2x4 SP No.3 - 3-2-11

REACTIONS. All bearings 18-3-8 except (jt=length) 11=0-3-8, 16=0-3-8.

(lb) - Max Horz 2=-106(LC 19)

Max Uplift All uplift 100 b or less at joint(s) 2, 17, 11, 26, 16 except 24=-139(LC 14)

Max Grav All reactions 250 lb or less at joint(s) 19, 20, 21, 22, 23, 25, 26, 27, 16 except 2=314(LC 54),

24=412(LC 39), 17=2121(LC 39), 11=868(LC 39)

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

2-3=-296/67, 5-76=0/331, 5-77=0/577, 6-77=0/724, 6-7=0/560, 8-79=-800/119,

9-79=-1030/106, 9-80=-1166/126, 10-80=-1232/113, 10-11=-1315/111 BOT CHORD 14-15=0/584, 14-83=0/584, 83-84=0/584, 13-84=0/584, 11-13=-50/1102 WEBS

4-24=-482/135, 5-17=-564/119, 6-17=-582/43, 7-17=-1266/56, 7-15=-31/895,

8-15=-959/148, 8-13=-8/578, 9-13=-432/125

NOTES-(14-17)

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=23ft; Cat. II; Exp B; Enclosed: MWFRS (envelope) gable end zone and C-C Corner(3) -0-6-8 to 4-3-2, Exterior(2E) 4-3-2 to 33-8-14, Corner(3) 33-8-14 to 38-6-8 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

- 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

 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 studs spaced at 1-4-0 oc.

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

 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, with BCDL = 10.0psf.

 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 17, 11, 26, 16 except (it=lb) 24=139
- except (jt=lb) 24=139.

13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced

10/4/2021

Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC
21-6094-R01	R05	GABLE	1	1	Job Reference (optional) # 28854

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:20 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-EDjRiiqmwp5pLdYMeUTXONXIS2U_ZtpcPaDnSMyWNcX

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

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

17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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.



Job Truss Truss Type Qty 49786-0228 WOODGROVE | FUQUAY VARINA, NC 21-6094-R01 R07 GABLE # 28854 lob Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:22 2021 Page 1 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-BcrB6Os0SRLXaxhlmvV?TodpLrKj1w1vsuiuXEyWNc\

20-0-0

10-0-0

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Scale = 1:36.2

0-6-8

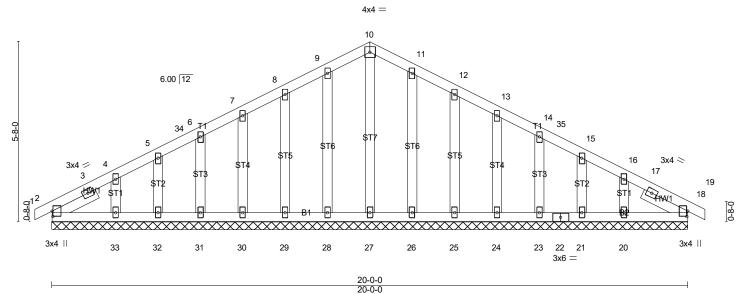


Plate Offsets (X,Y)-- [2:0-2-1,0-0-5], [18:0-2-1,0-0-5] LOADING (psf) SPACING-DEFL. **PLATES** GRIP 2-0-0 CSI. in (loc) I/defl I/d TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.04 Vert(LL) 0.00 18 n/r 180 MT20 244/190 Snow (Pf) 20.0 Lumber DOL 1.15 вс 0.05 Vert(CT) 0.00 18 n/r 80 TCDL 10.0 WB 0.06 Rep Stress Incr YES Horz(CT) 0.00 18 n/a n/a **BCLL** 0.0 Code IRC2018/TPI2014 Weight: 127 lb Matrix-SH FT = 20%**BCDL** 10.0

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No 3

SLIDER Left 2x4 SP No.3 - 1-6-7, Right 2x4 SP No.3 - 1-6-7

REACTIONS. All bearings 20-0-0

(lb) - Max Horz 2=-64(LC 15)

Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 29, 30, 31, 32, 33, 26, 25, 24, 23, 21, 20

10-0-0

10-0-0

Max Grav All reactions 250 lb or less at joint(s) 2, 27, 28, 29, 30, 31, 32, 33, 26, 25, 24, 23, 21, 20, 18

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

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=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-6-8 to 4-3-2, Exterior(2N) 4-3-2 to 5-2-6, Corner(3R) 5-2-6 to 14-9-10, Exterior(2N) 14-9-10 to 15-8-14, Corner(3E) 15-8-14 to 20-6-8 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
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.

- 7) All plates are 2x4 MT20 unless otherwise indicated.
 8) Gable requires continuous bottom chord bearing.
 9) Gable studs spaced at 1-4-0 oc.
 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 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 with fit between the bottom chord and any other members, with BCDL = 10.0psf.
 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 31, 332, 33, 26, 25, 24, 23, 21, 20.
 13) 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.

10/4/2021

Job	Truss	Truss Type	Qty	Ply	49786-0228 WOODGROVE FUQUAY VARINA, NC
21-6094-R01	R07	GABLE	1	1	Job Reference (optional) # 28854

8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:42:22 2021 Page 2 ID:MPr2P9H?n?aoDn?Cktxvnlzouw4-BcrB6Os0SRLXaxhlmvV?TodpLrKj1w1vsuiuXEyWNcV

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

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

17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

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.

