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.

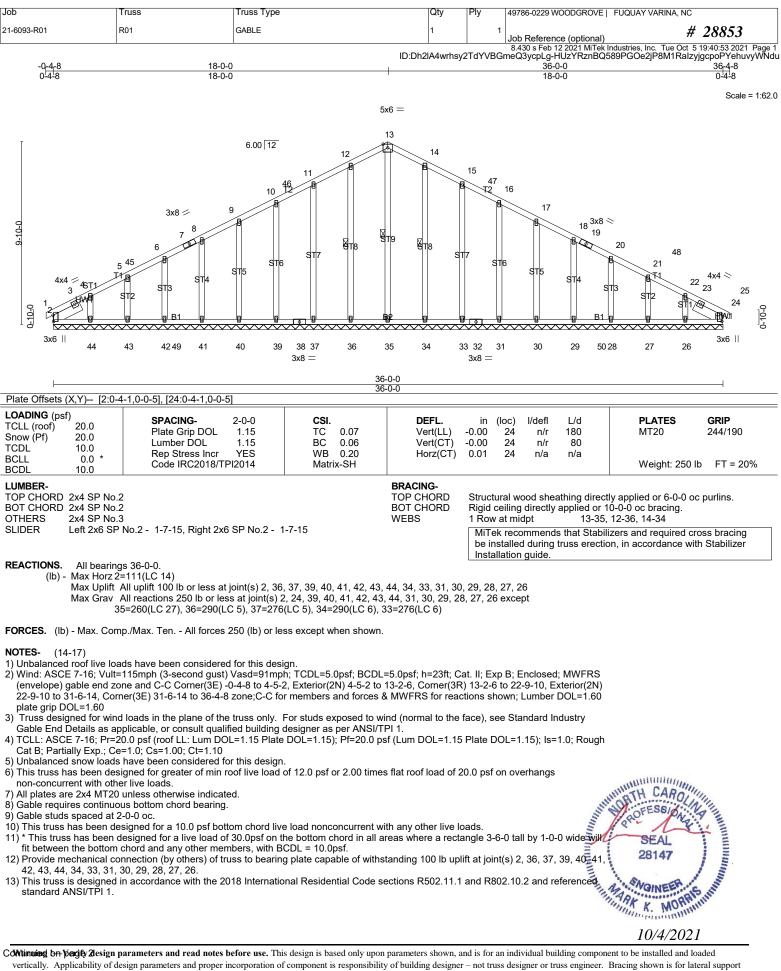
AST #: 28853 JOB: 21-6093-R01 JOB NAME: 49786-0229 WOODGROVE Wind Code: 37 Wind Speed: Vult= 115mph Exposure Category: B Mean Roof Height (feet): 23 These truss designs comply with IRC 2015 as well as IRC 2018. *13 Truss Design(s)*

Trusses: R01, R02, R03, R04, R05, R06, R07, R08, R09, VT01, VT02, VT03, VT04



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

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Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VARINA, NC	
21-6093-R01	R01	GABLE	1	1	Job Reference (optional) # 28853	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:40:54 2021	Page 2

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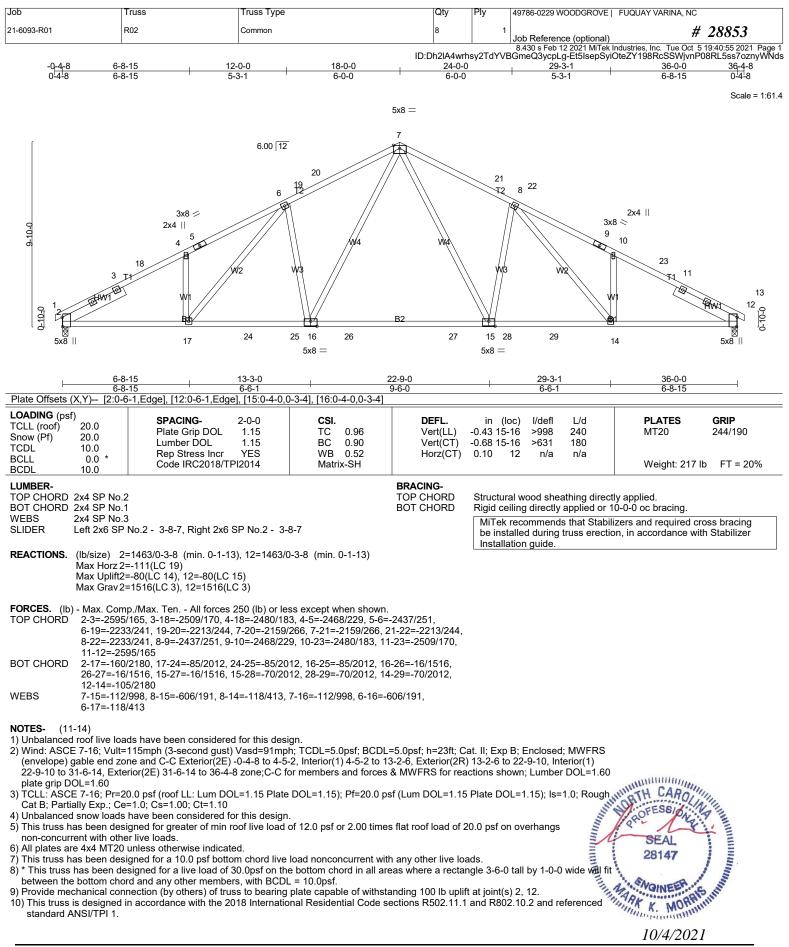
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LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VARINA, NC	
21-6093-R01	R02	Common	8	1	Job Reference (optional)	# 28853
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:40:55 2021 Page 2

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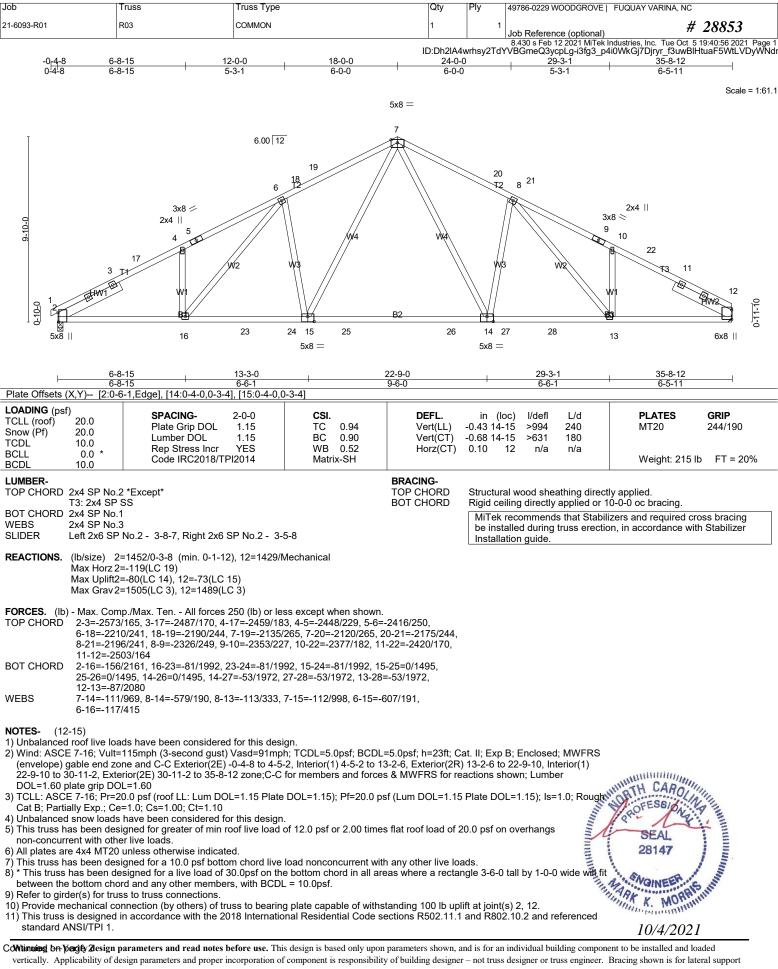
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LOAD CASE(S) Standard





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Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VA	RINA, NC
21-6093-R01	R03	COMMON	1	1	Job Reference (optional)	# 28853
					8.430 s Feb 12 2021 MiTek Industries, Inc.	Tue Oct 5 19:40:56 2021 Page 2

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LOAD CASE(S) Standard



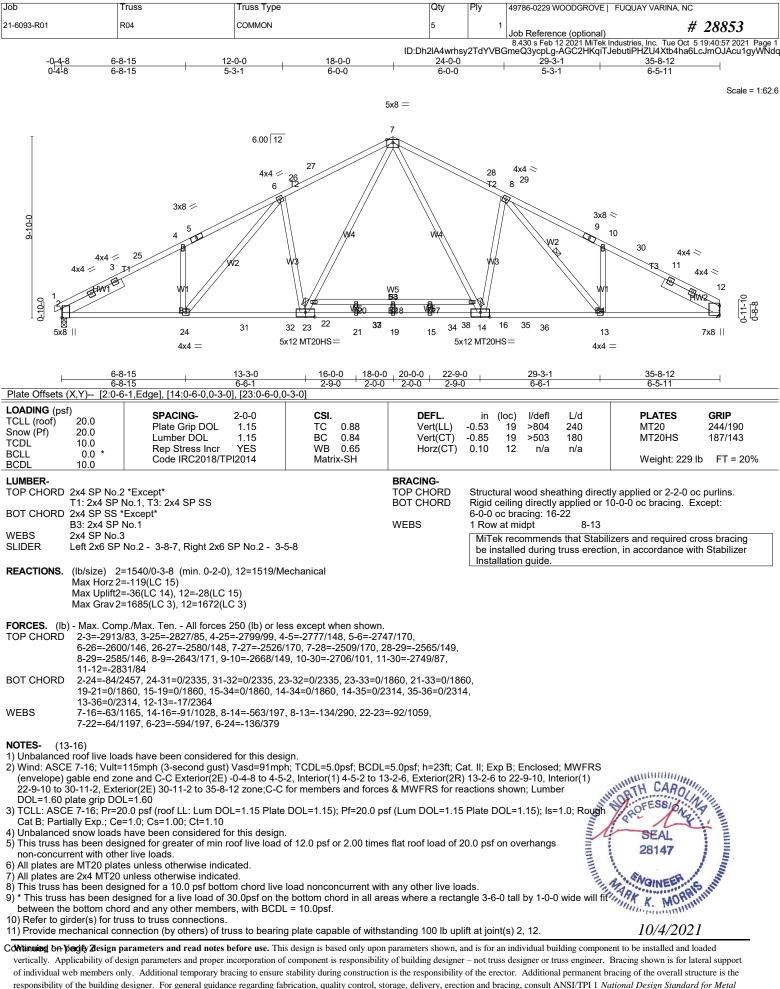


Plate Connected Wood Trusse Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

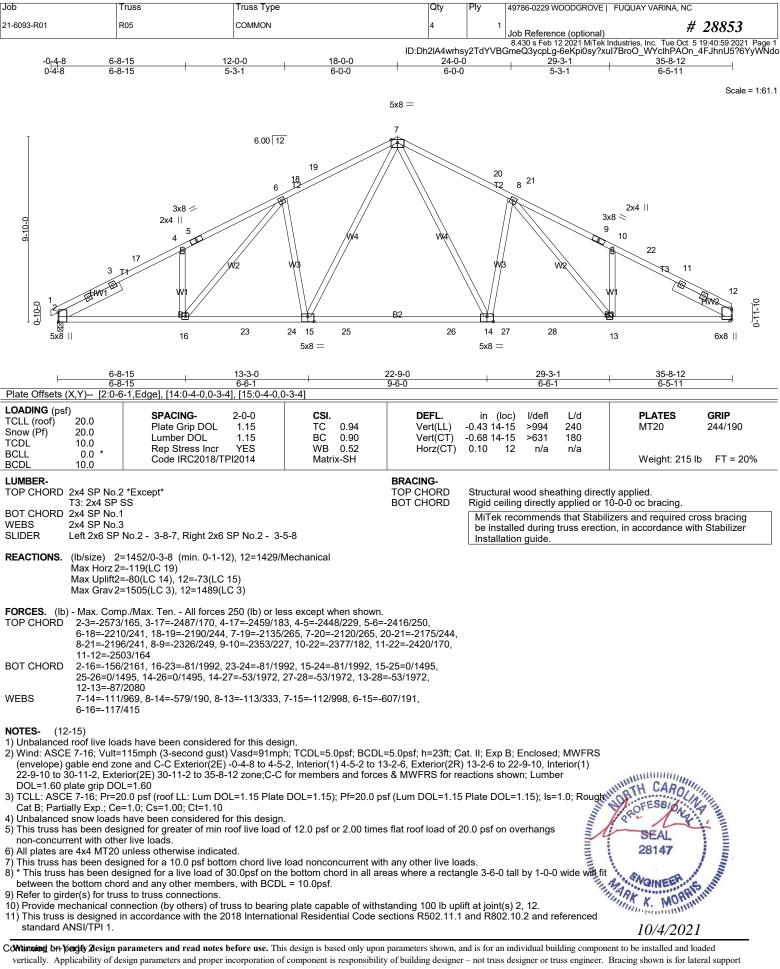
Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VAF	RINA, NC	
21-6093-R01	R04	COMMON	5	1	Job Reference (optional)	# 28853	
8.430 s Feb 12 2021 MITek Industries, Inc. Tue Oct 5 19:40:58 2021 Page 2 ID:Dh2IA4wrhsy2TdYVBGmeQ3ycpLg-eSmRUgrKEdmSV1GbrG?J348FR_SaLm0YYqMSa6yWNdp							

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.
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LOAD CASE(S) Standard





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Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VARINA, NC
21-6093-R01	R05	СОММОН	4	1	Job Reference (optional) # 28853
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:41:00 2021 Page

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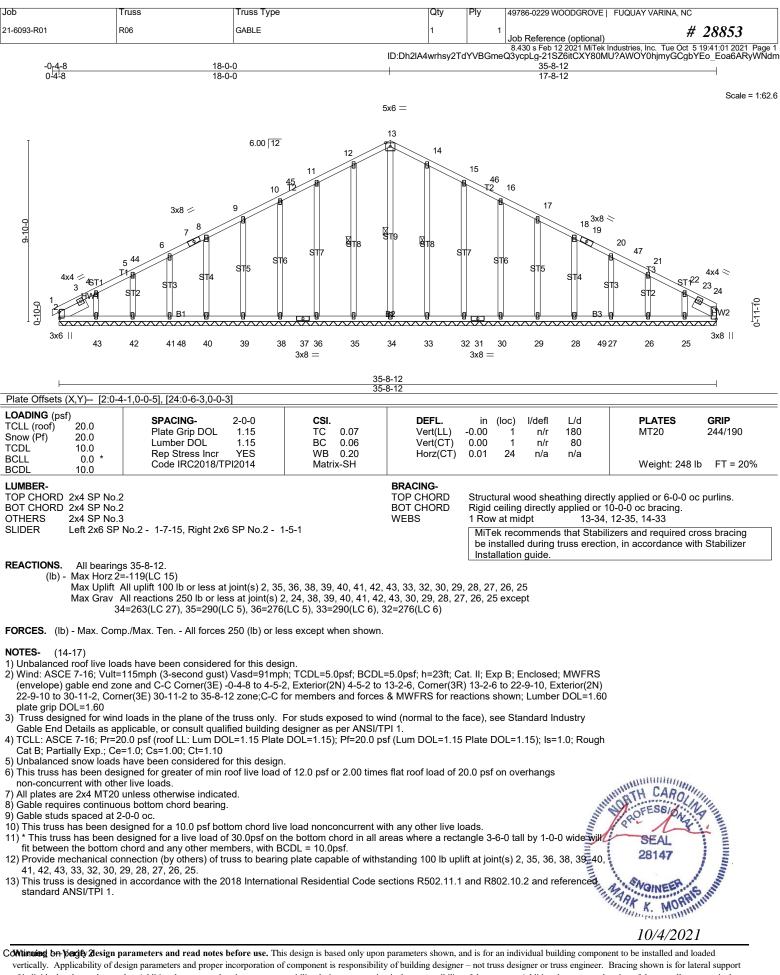
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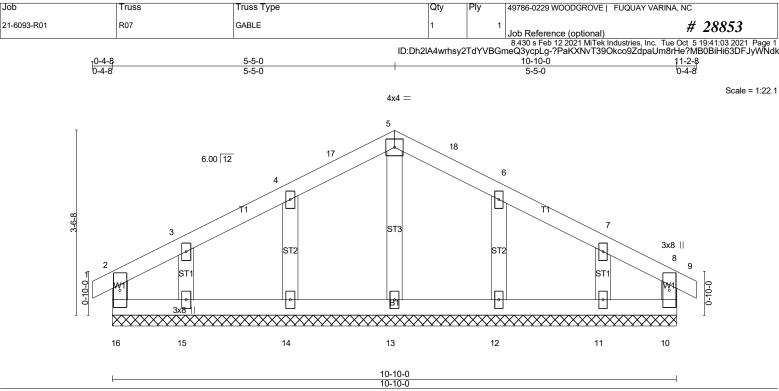
Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VARINA, NC	
21-6093-R01	R06	GABLE	1	1	Job Reference (optional) # 28853	
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:41:02 2021 I	Page 2

ID:Dh2lA4wrhsy2TdYVBGmeQ3ycpLg-XD0xK1urlrGt_eaN463FEwJ70b0qHh27TSKfjtyWNdl

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LOAD CASE(S) Standard





		-	10-10-0				
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.08 BC 0.05 WB 0.04 Matrix-R	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.00 8 -0.00 8 0.00 10	l/defl L/d n/r 180 n/r 80 n/a n/a	PLATES MT20 Weight: 50 lb	GRIP 244/190 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			BRACING- TOP CHORD BOT CHORD	end verticals. Rigid ceiling c	directly applied or 6	tly applied or 6-0-0 oc 6-0-0 oc bracing. lizers and required cro	

REACTIONS. All bearings 10-10-0.

(lb) - Max Horz 16=35(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

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=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-4-8 to 4-5-2, Corner(3R) 4-5-2 to 6-4-14, Corner(3E) 6-4-14 to 11-2-8 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.

- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.

- 11) First 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 with stepsing 100 the standard standard
- 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.

MORPHENING 28147 ANNUMBER OF ANT NOINE K. MORR

be installed during truss erection, in accordance with Stabilizer

Installation guide

10/4/2021

Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VARINA, NC
21-6093-R01	R07	GABLE	1	1	Job Reference (optional) # 28853
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:41:03 2021 Pag

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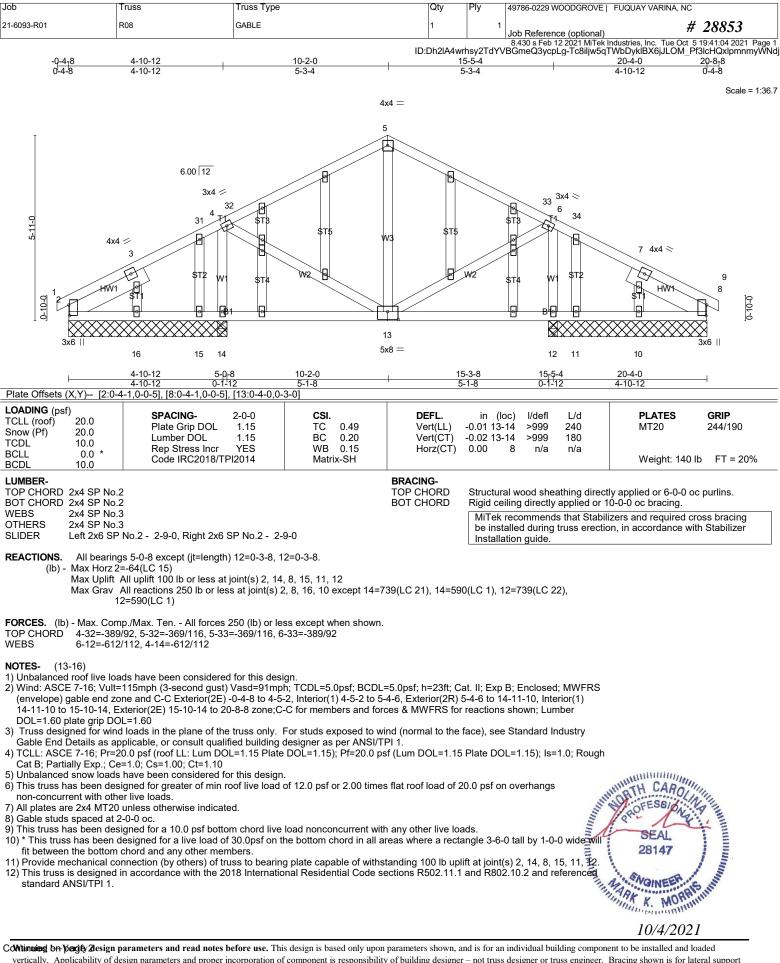
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LOAD CASE(S) Standard





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21-6093-R01	R08	GABLE	1	1	Job Reference (optional) # 28853
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 5 19:41:05 2021 Page

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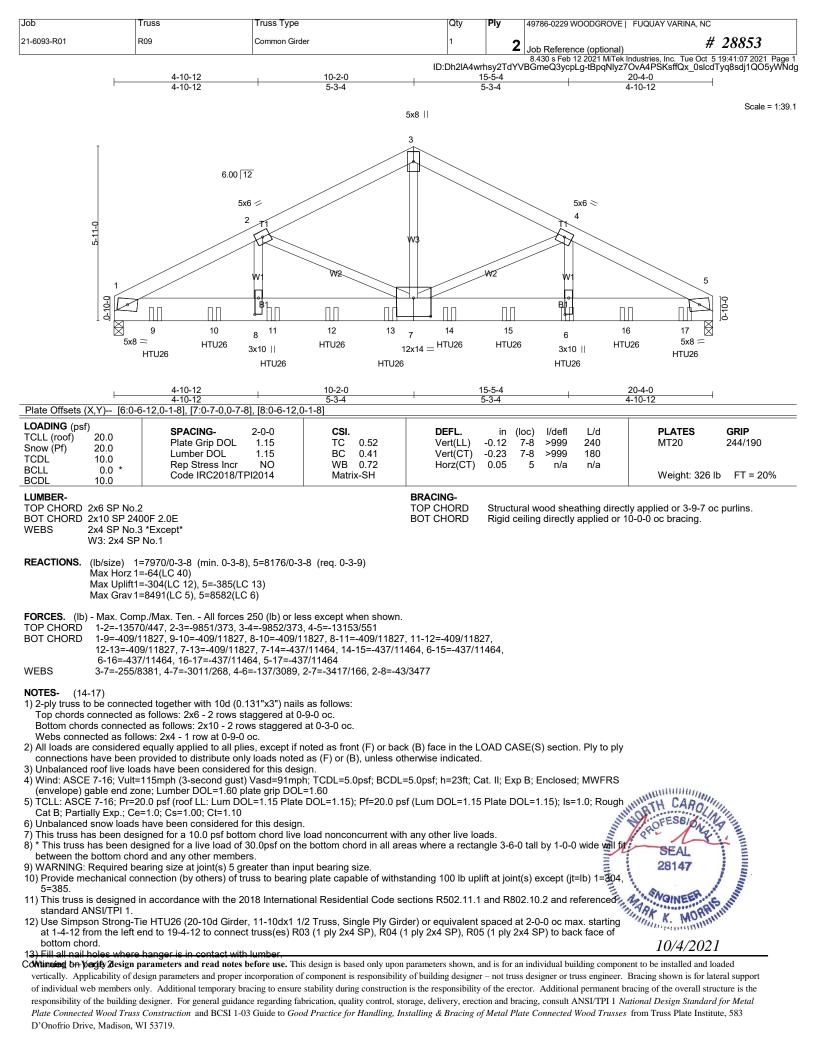
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LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	49786-0229 WOODGROVE FUQUAY VA	RINA, NC
21-6093-R01	R09	Common Girder	1	2	Job Reference (optional)	# 28853
					8 430 s Eeb 12 2021 MiTek Industries Inc.	Tue Oct 5 19:41:07 2021 Page 2

ID:Dh2lA4wrhsy2TdYVBGmeQ3ycpLg-tBpqNlyz7OvA4PSKsffQx_0slcdTyq8sdj1QO5yWNdg

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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, 3-5=-60, 1-5=-20

Concentrated Loads (lb)

Vert: 6=-1409(B) 9=-1409(B) 10=-1499(B) 11=-1499(B) 12=-1499(B) 13=-1499(B) 14=-1499(B) 15=-1409(B) 16=-1409(B) 17=-1411(B)



