# Mark Morris, P.E.

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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 #: 42107 JOB: 23-7721-R01 JOB NAME: LOT 28 PROVIDENCE CREEK Wind Code: 37 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 35 These truss designs comply with IRC 2015 as well as IRC 2018. 20 Truss Design(s)

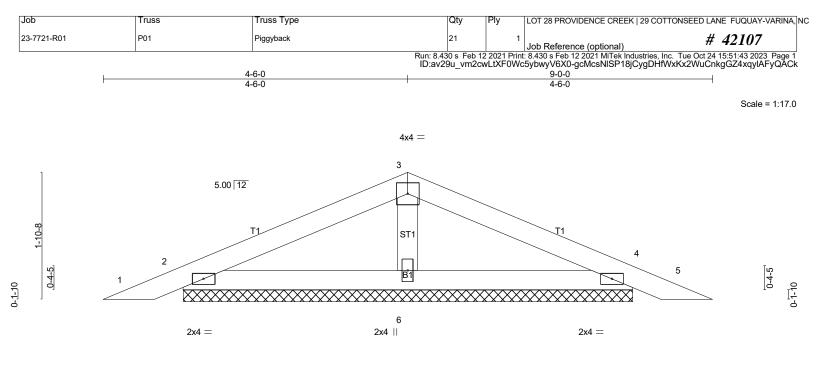
Trusses:

P01, R01, R02, R02A, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, V01, V02, V03, V04, V05



# 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



			0-0 0-0		
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 IRC2021/TPI2014	<b>CSI.</b> TC 0.26 BC 0.19 WB 0.04 Matrix-P	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d 0.01 5 n/r 180 0.01 5 n/r 80 0.00 4 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 26 lb         FT = 20%
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3			BRACING- TOP CHORD BOT CHORD		

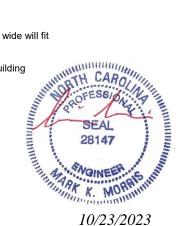
REACTIONS. (Ib/size) 2=184/6-7-10 (min. 0-1-8), 4=184/6-7-10 (min. 0-1-8), 6=258/6-7-10 (min. 0-1-8) Max Horz 2=26(LC 14) Max Uplift2=-48(LC 14), 4=-52(LC 15), 6=-4(LC 14) Max Grav 2=256(LC 21), 4=256(LC 22), 6=258(LC 1)

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

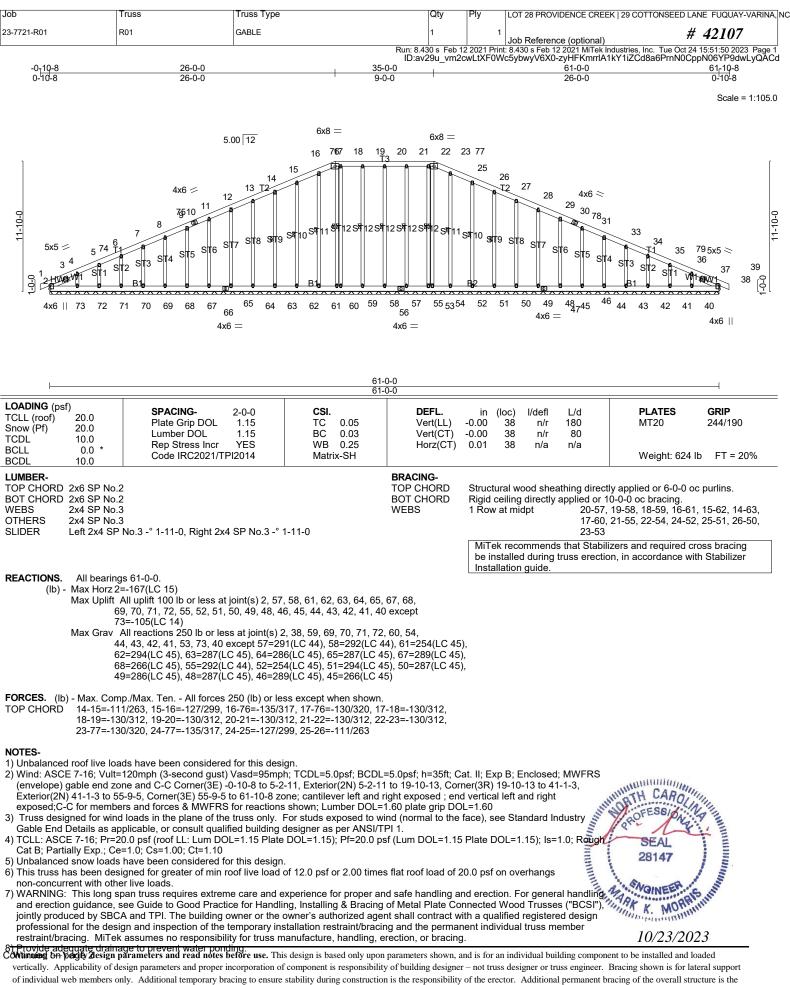
#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



10/23/2023



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	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LANE FUQUAY-VARINA, NC
23-7721-R01	R01	GABLE	1	1	Job Reference (optional) # 42107
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:51:53 2023 Page 2 5ybwyV6X0-NXyOyotk25PIPVQ8tmiHk2TIdDEW0kIYENNHXgyQACa

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

10) Gable requires continuous bottom chord bearing.

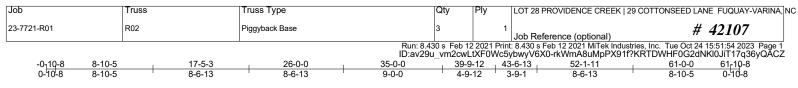
11) Gable studs spaced at 2-0-0 oc.

12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 13) \* 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.

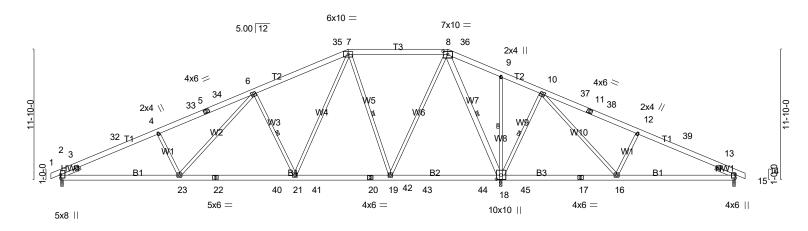
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 57, 58, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 55, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 41, 40 except (jt=lb) 73=105.

LOAD CASE(S) Standard





Scale = 1:104.1



	10-8-14		29-9-12	39-9-12	50-3-2	61-0-0					
Plate Offs	10-8-14 sets (X Y) [8:0-5	10-5-6	8-7-8	10-0-0	10-5-6	10-8-14					
LOADING TCLL (roo	(psf)	<b>SPACING-</b> 2-0-0 Plate Grip DOL 1.15	<b>CSI.</b> TC 0.84	DEFL. Vert(LL)	in (loc) l/defl L/d -0.31 21-23 >999 240	PLATES         GRIP           MT20         244/190					
Snow (Pf) TCDL BCLL	20.0 10.0 0.0 *	Lumber DOL 1.15 Rep Stress Incr YES	BC 0.83 WB 0.93	Vert(CT) Horz(CT)	-0.47 21-23 >999 240 -0.47 21-23 >999 180 0.05 18 n/a n/a	M120 244/190					
BCDL	10.0	Code IRC2021/TPI2014	Matrix-MSH			Weight: 466 lb FT = 20%					
BOT CHO WEBS SLIDER	0RD 2x6 SP No.2 0RD 2x6 SP No.2 2x4 SP No.3 W7: 2x6 SP Left 2x4 SP	* *Except* DSS No.3 -° 1-11-0, Right 2x4 SP No.3 -°		BRACING- TOP CHORD BOT CHORD WEBS	MiTek recommends that Stabil be installed during truss erection Installation guide.						
NEAG HOI	REACTIONS. (Ib/size) 2=1412/0-3-8 (min. 0-1-14), 14=461/0-3-8 (min. 0-1-8), 18=3112/0-3-8 (min. 0-2-13) Max Horz 2=-167(LC 15) Max Uplift2=-222(LC 14), 14=-145(LC 15), 18=-232(LC 11) Max Grav 2=1577(LC 39), 14=583(LC 55), 18=4124(LC 45)										
	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-975/1, 3-32=-2865/374, 4-32=-2774/390, 4-33=-2709/391, 5-33=-2628/394, 5-34=-2613/395, 6-34=-2510/412, 6-35=-1782/341, 7-35=-1533/343, 7-8=-646/242, 8-36=0/1500, 9-36=0/1429, 9-10=-26/1462, 10-37=-250/493, 11-37=-280/374, 11-38=-286/363, 12-38=-388/332, 12-39=-432/315, 13-39=-582/270, 13-14=-402/2 BOT CHORD 2-23=-433/2561, 22-23=-250/1951, 22-40=-250/1951, 21-40=-250/1951, 21-41=-26/1001,										
ВОТ СНО	0RD 2-23=-433/ 20-41=-26/ 18-44=-256	/2561, 22-23=-250/1951, 22-40=-250 /1001, 20-42=-26/1001, 19-42=-26/10 6/220, 18-45=-905/158, 17-45=-905/	/1951, 21-40=-250/195 001, 19-43=-256/220, 4 58, 16-17=-905/158, 14	1, 21-41=-26/1001, 3-44=-256/220, 4-16=-249/483	,						
WEBS		'229, 6-23=-131/727, 6-21=-1190/324 '1835, 8-18=-2747/243, 10-18=-1061 '97									
2) Wind∙ ∆	SCE 7-16: Vult=	ds have been considered for this des 120mph (3-second gust) Vasd=95mp ne and C-C Exterior(2E) -0-10-8 to 5- r(2E) 55-9-5 to 61-10-8 zone; cantiler 1WFRS for reactions shown; Lumber 0.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this desigr gned for greater of min roof live load r live loads. Dan truss requires extreme care and of ee Guide to Good Practice for Handl A and TPI. The building owner or the gn and inspection of the temporary in assumes no responsibility for truss r ge to prevent water ponding. Unless otherwise indicated. great for a 10.0 psf bottom chord live arameters and read notes before use. Th sign parameters and proper incorporation o dy. Additional temporary bracing to ensure	h. TCDI =5 Opsf. BCDI	L=5.0psf; h=35ft; C to 17-4-8, Exterior ed ; end vertical lef OL=1.60 ssf (Lum DOL=1.15 es flat roof load of 2 nd safe handling an g of Metal Plate Co ent shall contract w ing and the permar erection, or bracing	at. II; Exp B; Enclosed; MWFRS (2R) 17-4-8 to 43-6-6, Interior(1) t and right exposed; C-C for Plate DOL=1.15); Is=1.0; Rough 20.0 psf on overhangs and erection. For general handing nnected Wood Trusses ("BCS"), ith a qualified registered design tent individual truss member g.	SEAL 28147 10/23/2023					
vertically. of individu	Applicability of de ual web members or	sign parameters and proper incorporation o ly. Additional temporary bracing to ensure	f component is responsibility stability during construction	ty of building designer on is the responsibility	r – not truss designer or truss engineer. of the erector. Additional permanent b	Bracing shown is for lateral support bracing of the overall structure is the					

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	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LANE FUQUAY-VARINA, NC
23-7721-R01	R02	Piggyback Base	3	1	Job Reference (optional) # 42107
					: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:51:55 2023 Page 2 /c5ybwyV6X0-Jw48NUv_aif0foaW_BklpTYRo1jZUTZrhhsObYyQACY

10) \* 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.

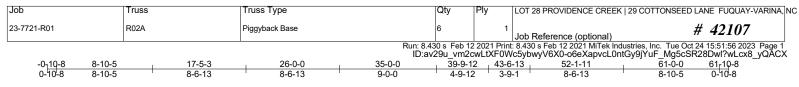
11) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Provide metal plate or equivalent at bearing(s) 18 to support reaction shown.
 Provide metal plate or equivalent at bearing(s) 18 to support reaction shown.
 Provide metal plate or equivalent (j) 2222, 14=145, 18=232.

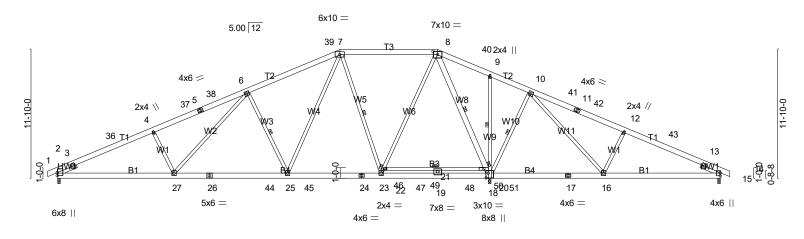
LOAD CASE(S) Standard



10/23/2023



Scale = 1:106.0



10-8-1		29-9-12	35-0-0 39-9		50-3-2	61-0-0				
10-8-1 Plate Offsets (X,Y) [8:0-	4 <u>10-5-6</u> 5-0,0-3-7], [18:0-5-4,0-2-8]	8-7-8	5-2-4 4-9-	12	10-5-6	10-8-14				
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 IRC2021/TPI2014	<b>CSI.</b> TC 0.85 BC 0.87 WB 0.93 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.33 25-27 -0.50 25-27 0.06 18	l/defl L/d >999 240 >957 180 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 480 lb         FT = 20%				
LUMBER- TOP CHORD 2x6 SP No. BOT CHORD 2x6 SP No. B3: 2x4 SP			BRACING- TOP CHORD BOT CHORD		directly applied or 6-	/ applied or 2-7-0 oc purlins. 0-0 oc bracing. Except:				
WEBS 2x4 SP No.	3 *Except*		WEBS	1 Row at mic	lpt 6-25, 7-	23, 8-20, 10-18, 9-18				
W8: 2x6 SF SLIDER Left 2x4 SF	9 DSS 9 No.3 -° 1-11-0, Right 2x4 SP No.3 -'	1-11-0			during truss erection	ters and required cross bracing n, in accordance with Stabilizer				
Max Horz 2 Max Uplift2	2=1429/0-3-8 (min. 0-1-14), 14=448/0 2=-167(LC 15) 2=-212(LC 14), 14=-148(LC 15), 18=- 2=1593(LC 39), 14=572(LC 55), 18=4	144(LC 11)	3298/0-3-8 (min. 0	-3-2)						
TOP CHORD 2-3=-984/ 5-38=-27( 8-40=0/12 11-42=-22 BOT CHORD 2-27=-412 24-45=-1/ 19-48=-24	5-38=-2707/372, 6-38=-2604/388, 6-39=-1877/316, 7-39=-1631/318, 7-8=-774/211, 8-40=0/1545, 9-40=0/1475, 9-10=-21/1508, 10-41=-228/556, 11-41=-252/438, 11-42=-258/426, 12-42=-360/394, 12-43=-404/377, 13-43=-554/330, 13-14=-402/0									
WEBS 4-27=-418 22-23=-1	52/153, 17-51953/153, 16-17953/ 3/230, 6-27=-131/726, 6-25=-1190/32 17/1831, 8-22=-96/2043, 8-20=-2957/ 52/1061, 12-16=-602/250, 19-21=-32	3, 7-25=-224/1483, 7-2 200, 18-20=-3174/181,								
NOTES- 1) Unbalanced roof live lo. 2) Wind: ASCE 7-16; Vult: (envelope) gable end zi 43-6-6 to 55-9-5, Exteri members and forces & 3) TCL: ASCE 7-16; Pre- Cat B; Partially Exp.; Ci 4) Unbalanced snow loads 5) This truss has been dee non-concurrent with oth 6) WARNING: This long s and erection guidance, jointly produced by SBC professional for the des restraint/bracing. MiTe 7) Provide adequate drain	ads have been considered for this de =120mph (3-second gust) Vasd=95m one and C-C Exterior(2E) -0-10-8 to 5 or(2E) 55-9-5 to 61-10-8 zone; cantile MWFRS for reactions shown; Lumbe 20.0 psf (roof LL: Lum DOL=1.15 Plai =1.0; Cs=1.00; Ct=1.10 s have been considered for this desig signed for greater of min roof live loads er live loads. span truss requires extreme care and see Guide to Good Practice for Hanc CA and TPI. The building owner or the ign and inspection of the temporary in k assumes no responsibility for truss age to prevent water ponding. parameters and read notes before use. T esign parameters and proper incorporation mly. Additional temporary bracing to ensure	sign. ph; TCDL=5.0psf; BCD -2-11, Interior(1) 5-2-11 ver left and right expos r DOL=1.60 plate grip I e DOL=1.15); Pf=20.0 p n. I of 12.0 psf or 2.00 tim experience for proper a ling, Installing & Bracin owner's authorized ag installation restraint/brac manufacture, handling,	L=5.0psf; h=35ft; ( 1 to 17-4-8, Exterio ed; end vertical le DOL=1.60 psf (Lum DOL=1.1 es flat roof load of and safe handling a g of Metal Plate Co ent shall contract v cing and the perma erection, or bracin	Cat. II; Exp B; E r(2R) 17-4-8 to ft and right exp 5 Plate DOL=1. 20.0 psf on ove and erection. Fo connected Wood vith a qualified i unent individual g.	nclosed; MWFRS 43-6-6, Interior(1) osed;C-C for 15); Is=1.0; Rough erhangs or general handling I Trusses ("BCSI"), registered design truss member	SEAL 28147 10/23/2023				
Contanuing on periperiperiod of individual web members of	parameters and read notes before use. T esign parameters and proper incorporation only. Additional temporary bracing to ensu	nis design is based only upo of component is responsibil e stability during constructi	on parameters shown, lity of building design ion is the responsibilit	and is for an indiver – not truss designed by of the erector.	ndual building componer gner or truss engineer. B Additional permanent bra	nt to be installed and loaded Bracing shown is for lateral support acing of the overall structure is the				

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	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LANE FUQUAY-VARINA,	NC
23-7721-R01	R02A	Piggyback Base	6	1	Job Reference (optional) # 42107	
					: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:51:56 2023 Page 2 /c5ybwyV6X0-o6eXapvcL0ntGy9jYuF_Mg5cSR28Dwl?wLcx8_yQACX	

8) All plates are 5x5 MT20 unless otherwise indicated.

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

10)\* 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.

1) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

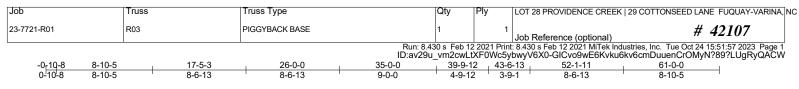
12) Provide metal plate or equivalent at bearing(s) 18 to support reaction shown.

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=212, 14=148, 18=144.

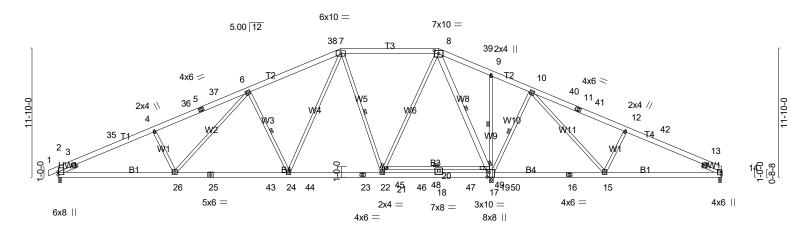
LOAD CASE(S) Standard



10/23/2023



Scale = 1:105.9



10-8-1		<u>29-9-12</u> 8-7-8	<u>35-0-0</u> <u>39-9-</u> 5-2-4 <u>4-9-</u>			<u>61-0-0</u> 10-8-14				
	5-0,0-3-7], [17:0-5-4,0-2-8]	* * *			-					
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 IRC2021/TPI2014	<b>CSI.</b> TC 0.85 BC 0.87 WB 0.93 Matrix-MSH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl -0.33 24-26 >999 -0.50 24-26 >956 0.06 17 n/a	L/d 240 180 n/a	PLATES MT20         GRIP 244/190           Weight: 478 lb         FT = 20%				
LUMBER- TOP CHORD 2x6 SP No BOT CHORD 2x6 SP No B3: 2x4 SF WEBS 2x4 SP No W8: 2x6 S	2 *Except* No.2, B2: 2x6 SP No.1 3 *Except*	1-11-0	BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling direct 6-0-0 oc bracing: 1 1 Row at midpt MiTek recommen	y applied or 6-( 9-21 6-24, 7- ds that Stabiliz	/ applied or 2-7-0 oc purlins. 0-0 oc bracing. Except: 22, 8-19, 10-17, 9-17 ters and required cross bracing 1, in accordance with Stabilizer				
REACTIONS. (lb/size) Max Horz Max Uplift	2=1430/0-3-8 (min. 0-1-14), 14=397/0 2=172(LC 14) 2=-211(LC 14), 14=-129(LC 15), 17=-1	-3-8 (min. 0-1-8), 17=32 47(LC 11)	295/0-3-8 (min. 0-	Installation guide						
$\begin{array}{l} \mbox{Max Grav} 2=1594(LC 39), 14=520(LC 55), 17=4539(LC 45) \\ \mbox{FORCES.} (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. \\ \mbox{TOP CHORD} & 2-3=-985/0, 3-35=-2961/349, 4-35=-2869/365, 4-36=-2806/366, 5-36=-2725/369, \\ & 5-37=-2709/370, 6-37=-2606/387, 6-38=-1879/314, 7-38=-1629/316, 7-8=-773/208, \\ & 8-39=0/1540, 9-39=0/1470, 9-10=-24/1504, 10-40=-237/547, 11-40=-261/430, \\ & 11-41=-267/418, 12-41=-369/391, 12-42=-413/374, 13-42=-563/326, 13-14=-411/0 \\ \mbox{BOT CHORD} & 2-26=-416/2648, 25-26=-231/2042, 25-43=-231/2042, 24-43=-231/2042, 24-44=-5/1102, \\ & 23-44=-5/1102, 23-45=-5/1102, 22-45=-5/1102, 22-46=-28/418, 18-46=-28/418, \\ & 18-47=-28/418, 17-47=-28/418, 21-48=-326/9, 20-48=-326/9, 19-49=-326/9, 19-49=-326/9, \\ \end{array}$										
WEBS 4-26=-41 21-22=-1	48/143, 16-50=-948/143, 15-16=-948/ 3/230, 6-26=-132/726, 6-24=-1190/32 18/1830, 8-21=-97/2041, 8-19=-2954/ 33/1064, 12-15=-604/251, 18-20=-323	3, 7-24=-224/1483, 7-22 203, 17-19=-3171/184, 1								
NOTES- 1) Unbalanced roof live lo 2) Wind: ASCE 7-16; Vult (envelope) gable end z 43-6-6 to 54-10-13, Ext members and forces & 3) TCLL: ASCE 7-16; Pr= Cat B; Partially Exp; C 4) Unbalanced snow load 5) This truss has been de non-concurrent with ott 6) WARNING: This long and erection guidance, jointly produced by SB0 professional for the des restraint/bracing. MiTe 71 Provide adventage that	ads have been considered for this des =120mph (3-second gust) Vasd=95mp one and C-C Exterior(2E) -0-10-8 to 5- erior(2E) 54-10-13 to 61-0-0 zone; car MWFRS for reactions shown; Lumber 20.0 psf (roof LL: Lum DOL=1.15 Plate =-1.0; Cs=1.00; Ct=1.10 s have been considered for this design signed for greater of min roof live load er live loads. span truss requires extreme care and see Guide to Good Practice for Handl 2A and TPI. The building owner or the ign and inspection of the temporary in k assumes no responsibility for truss r age to prevent water ponding. Parameters and read notes before use. Th lesign parameters and proper incorporation conly. Additional temporary bracing to ensure designer. For general guidance regarding fa	ign. h; TCDL=5.0psf; BCDL 2-11, Interior(1) 5-2-11 tilever left and right exp DOL=1.60 plate grip DO DOL=1.15); Pf=20.0 ps n. of 12.0 psf or 2.00 time experience for proper ar ing, Installing & Bracing owner's authorized age stallation restraint/bracin nanufacture, handling, e	=5.0psf; h=35ft; C to 17-4-8, Exterior osed ; end vertica DL=1.60 sf (Lum DOL=1.15 s flat roof load of 2 nd safe handling a of Metal Plate Cc nt shall contract w ng and the permai prection, or bracing	at. II; Exp B; Enclose (2R) 17-4-8 to 43-6-6 I left and right expos Plate DOL=1.15); Is 20.0 psf on overhang nd erection. For gene nected Wood Truss with a qualified registe nent individual truss	ed; MWFRS 6, Interior(1) ed;C-C for s=1.0; Rough s eral handling ses ("BCSI"), ored design member	SEAL 28147 10/23/2023				
Continuing on people account of an Continuing on people account vertically. Applicability of a of individual web members responsibility of the building	age to prevent water ponding, parameters and read notes before use. Th lesign parameters and proper incorporation c only. Additional temporary bracing to ensure designer. For general guidance regarding f	is design is based only upon f component is responsibilit stability during constructio brication, quality control, st	parameters shown, a y of building designe n is the responsibility orage, delivery, erect	and is for an individual b r – not truss designer or $\gamma$ of the erector. Addition tion and bracing, consult	uilding componer truss engineer. B nal permanent bra ANSI/TPI 1 Nati	nt to be installed and loaded Bracing shown is for lateral support ucing of the overall structure is the ional 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	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LANE FUQUAY-VARINA, NO
23-7721-R01	R03	PIGGYBACK BASE	1	1	Job Reference (optional) # 42107
					8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:51:57 2023 Page 2 bwyV6X0-GICvo9wE6Kvku6kv6cmDuuenCrOMyN?89?LUgRyQACW

8) All plates are 5x5 MT20 unless otherwise indicated.

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

10)\* 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.

1) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

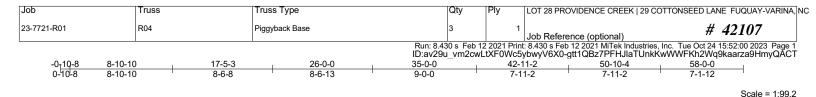
12) Provide metal plate or equivalent at bearing(s) 17 to support reaction shown.

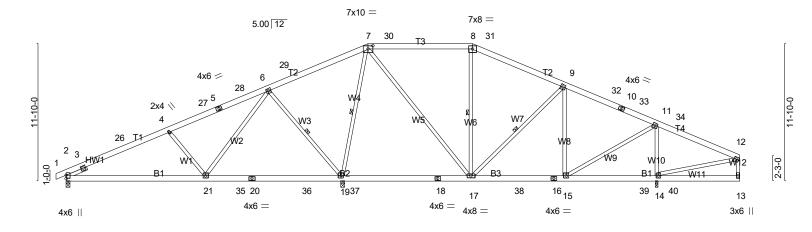
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=211, 14=129, 17=147.

LOAD CASE(S) Standard



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12-	·0-0	23-9-12		35-0-0	42-11-2	50-10-4	58-0-0		
Plate Offsets (X,Y) [7:0-	0-0	11-9-12	<u>'</u> 1	11-2-4	7-11-2	7-11-2	7-1-12		
	5-0,0-3-7]			1					
OADING (psf)           CLL (roof)         20.0           Show (Pf)         20.0           "CDL         10.0           GCLL         0.0 *           GCDL         10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2021/TP	1.15 T 1.15 B YES W	<b>SI.</b> C 0.64 C 0.50 /B 0.94 latrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) I/d -0.17 19-21 >9 -0.22 19-21 >9 0.02 13 r	99 240	PLATES         GRIP           MT20         244/190           Weight: 435 lb         FT = 20%		
UMBER- OP CHORD 2x6 SP No. SOT CHORD 2x6 SP No. B2: 2x6 SP VEBS 2x4 SP No. W4: 2x4 SP SLIDER Left 2x4 SP	2 *Except* DSS 3 *Except*			BRACING- TOP CHORD BOT CHORD WEBS	Rigid ceiling dire 1 Row at midpt MiTek recomm	ectly applied. 6-19, 7- nends that Stabiliz ring truss erection	applied, except end verticals. 19, 8-17, 9-17 ers and required cross bracing n, in accordance with Stabilizer		
(lb) - Max Horz 2 Max Uplift	All uplift 100 lb or less at j	joint(s) 13 except 2=-							
Max Grav All reactions 250 lb or less at joint(s) 13 except 2=882(LC 39), 19=3049(LC 45), 14=1599(LC 39) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-707/0, 3-26=-1232/167, 4-26=-1107/183, 4-27=-923/136, 5-27=-813/148, 5-28=-805/149, 6-28=-697/166, 6-29=-24/436, 7-29=-22/714, 7-30=-611/247, 8-30=-611/247, 8-31=-574/227, 9-31=-756/225, 9-32=-800/185, 10-32=-881/169, 10-33=-905/166, 11-33=-975/157 BOT CHORD 2-21=-246/1075, 21-35=-38/311, 20-35=-38/311, 19-36=-38/311,									
8-30=-611 10-33=-90 BOT CHORD 2-21=-246	/247, 8-31=-574/227, 9-3 5/166, 11-33=-975/157 /1075, 21-35=-38/311, 20	1=-756/225, 9-32=-80 -35=-38/311, 20-36=	00/185, 10-32=	1/247, 881/169,					
8-30=-611 10-33=-90 BOT CHORD 2-21=-246 17-38=-17 WEBS 4-21=-527	/247, 8-31=-574/227, 9-3 5/166, 11-33=-975/157	1=-756/225, 9-32=-8( )-35=-38/311, 20-36= 16=-17/813 =-1309/325, 7-19=-16	00/185, 10-32= -38/311, 19-36 600/239, 7-17=	1/247, ´ 881/169, =-38/311, 98/1109,					

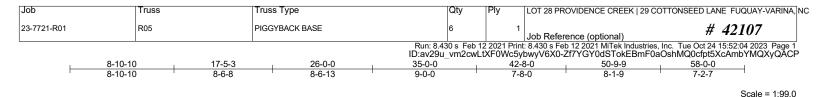
1	Job	Truss	Truss Type	Qty	Ply	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LAN	NE FUQUAY-VARINA, NC
	23-7721-R01	R04	Piggyback Base	3	1	Job Reference (optional) #	42107
						: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 c5ybwyV6X0-84RQeXzIAYPANj2gLRr93koVRSr3	

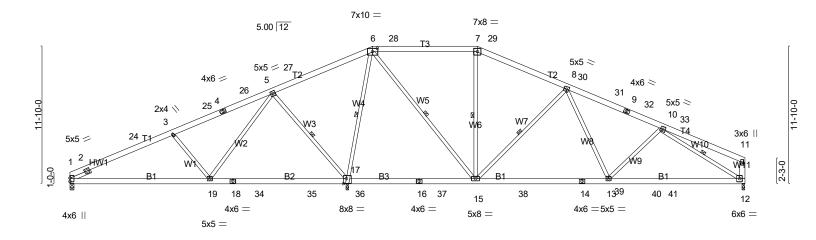
NOTES-12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard



10/23/2023





	12-0	0-0	23-9-12			35-0-0	46-3-4	58-0-0
	12-0		11-9-12	I		11-2-4	11-3-4	11-8-12
Plate Offs	sets (X,Y) [6:0-5	5-0,0-3-7], [17:0-3-0,0-	5-4]					
LOADING TCLL (roo		SPACING-	2-0-0	CSI.		DEFL.	in (loc) l/defl L/d	PLATES GRIP
Snow (Pf)	,	Plate Grip DOL		TC	0.65	Vert(LL)	-0.28 17-19 >999 240	MT20 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.37 17-19 >769 180	
BCLL	0.0 *	Rep Stress Incl Code IRC2021		WB Matri		Horz(CT)	0.04 12 n/a n/a	Weight: $427 \text{ lb}$ ET = 20%
BCDL	10.0		1912014	iviatri.	x-A3			Weight: 427 lb FT = 20%
LUMBER-	-					BRACING-		
	DRD 2x6 SP No.2	2				TOP CHORD	Structural wood sheathing directl	v applied, except end verticals.
	ORD 2x6 SP No.2					BOT CHORD	Rigid ceiling directly applied.	
WEBS	2x4 SP No.3					WEBS		-17, 6-15, 7-15, 8-15, 10-12
	W4: 2x4 SP	SS, W11: 2x6 SP No.	2				MiTek recommends that Stabili	zers and required cross bracing
SLIDER	Left 2x4 SP	No.3 -° 1-11-0					be installed during truss erection Installation guide.	
REACTIO	NS. (Ib/size) 1:	=674/0-3-8 (min. 0-1-8	3), 17=2787/0-3	-8 (min. 0-1	-8), 12=11	160/0-3-8 (min. 0-1		
	Max Horz 1:	=161(LC 18)	,,	,	,,	,	,	
		=-110(LC 14), 17=-272						
	Max Grav 1:	=743(LC 40), 17=3632	(LC 44), 12=13	32(LC 38)				
505050			050 (11)					
		p./Max. Ten All force						
TOP CHO		), 2-24=-1036/167, 3-2 /135, 5-26=-543/151, 5						
		/260, 7-29=-721/243, 8						
		4/263, 9-32=-1697/260						
вот сно		/896, 17-36=-453/172,						
Ber one		8/1349, 14-38=-108/13					79	
		4/1579, 12-41=-234/15			0 100/10	2011	,	
WEBS		/248, 5-19=-91/914, 5-		6-17=-2201/	/292, 6-15:	=-160/1725,		
		/105, 8-15=-1122/261,						
NOTES-								
		ds have been conside						
			/				at. II; Exp B; Enclosed; MWFRS	
(envelo	pe) gable end zo	ne and C-C Exterior(2	E) 0-0-0 to 5-9-	10, Interior(1	l) 5-9-10 to	o 17-9-9, Exterior(2	R) 17-9-9 to 43-2-7, Interior(1)	and hatting a
43-2-7	to 51-11-10, Exte	rior(2E) 51-11-10 to 5	7-9-4 zone; can	tilever left ar	nd right ex	posed ; end vertica	I left and right exposed;C-C for	Western CAS Hull
membe	ers and forces & N	IWFRS for reactions s	shown; Lumber	DOL=1.60 p	late grip L	)OL=1.60		RTH CANOLIN
3) TOLL. A	ASCE 7-10, PI-2	0.0 pSI (1001 LL. LUIII L =1.0. Co=1.00. Ct=1.1		DOL-1.15)	, PI-20.0 p	DSI (LUIII DOL-1.15	Plate DOL-1.15), IS-1.0, Rough	OFESSION VOUL
(1) Unbala	nced snow loads	have been considered	u I for this design				R) 17-9-9 to 43-2-7, Interior(1) I left and right exposed;C-C for Plate DOL=1.15); Is=1.0; Rough ads. ngle 3-6-0 tall by 1-0-0 wide will fit	and and the second
5) Provide	adequate draina	ide to prevent water of	ndina	•			III III	
6) This tru	iss has been desi	igned for a 10.0 psf bo	ttom chord live	load noncor	ncurrent wi	ith any other live lo	ads.	SEAL
7) * This ti	russ has been de	signed for a live load of	of 30.0psf on th	e bottom cho	ord in all a	reas where a recta	ngle 3-6-0 tall by 1-0-0 wide will fit	28147 5
betwee	n the bottom cho	rd and any other mem	pers, with BCDI	_ = 10.0psf.				
8) Bearing	g at joint(s) 17 cor	nsiders parallel to grain	n value using A	NSI/TPI 1 ar	ngle to gra	in formula. Buildin	g designer should verify capacity	Nonest . S
	ing surface.						14	A CONCEPTION OF THE
		nection (by others) of t	russ to bearing	plate capab	le of withs	tanding 100 lb uplit	ˈt at joint(s) except (jt=lb) 1=110, 🧭	MILLA K. MOHIMM
	2, 12=188.		h					All the the state of the state
		equired to provide full					top abord and 1/0"	10/23/2023
							e top chord and 1/2" gypsum	SEAL 28147 10/23/2023
Cowanuiag	on pergity 2 lesign p	arameters and read not	es before use. Thi	s design is bas	sed only upo	on parameters shown, a	and is for an individual building compone	ent to be installed and loaded
							r - not truss designer or truss engineer. 1	
-			-	-	-		of the erector. Additional permanent br	

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.

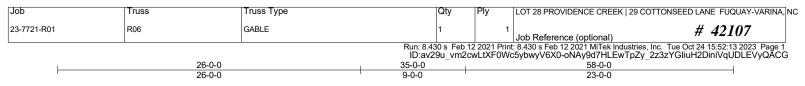
Job	Truss	Truss Type	Qty	Ply	LOT 28 PROVIDENCE CREEK   29 COTTON	SEED LANE FUQUAY-VARINA, NC
23-7721-R01	R05	PIGGYBACK BASE	6	1	Job Reference (optional)	# 42107
		Bup: 9.4	20 o Eob 1	2 2021 Drin	t: 9 420 a Eab 12 2021 MiTak Industriaa Ina Ti	up Opt 24 15:52:04 2022, Dago 2

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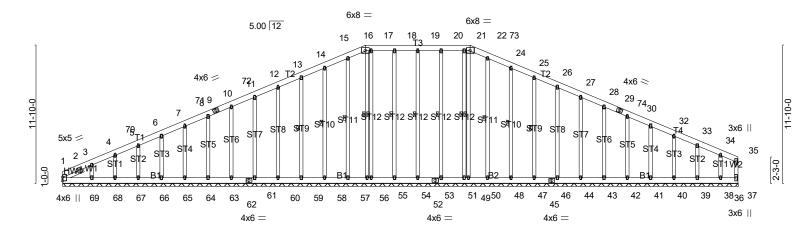
LOAD CASE(S) Standard



10/23/2023



Scale = 1:98.9



			8-0-0 8-0-0		
CADING (psf)           'CLL (roof)         20.0           innow (Pf)         20.0           'CDL         10.0           SCLL         0.0           'SCLL         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	<b>CSI.</b> TC 0.10 BC 0.03 WB 0.25 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl L/d n/a - n/a 999 n/a - n/a 999 0.00 36 n/a n/a	PLATES         GRIP           MT20         244/190           Weight: 603 lb         FT = 20%
UMBER- OP CHORD 2x6 SP No SOT CHORD 2x6 SP No VEBS 2x4 SP No OTHERS 2x4 SP No SLIDER Left 2x4 S	.2 .3		BRACING- TOP CHORD BOT CHORD WEBS	end verticals. Rigid ceiling directly applied of 1 Row at midpt 19-1 16-1 22-4 MiTek recommends that Sta	53, 18-54, 17-55, 15-57, 14-58, 13-59, 56, 20-51, 21-50, 23-48, 24-47, 25-46,
(lb) - Max Horz Max Uplift Max Grav ORCES. (lb) - Max. Co OP CHORD 11-72=-6 15-16=-1 20-21=-1	ngs 58-0-0. 1=174(LC 14) All uplift 100 lb or less at joint(s) 1, 5: 65, 66, 67, 68, 51, 48, 47, 46, 44, 43, - 14) All reactions 250 lb or less at joint(s) 39, 38, 37, 49, 36, 69 except 53=291(l 58=294(LC 44), 59=287(LC 44), 60=2 64=266(LC 44), 51=292(LC 43), 48=2 44=286(LC 44), 43=287(LC 44), 42=2 mp./Max. Ten All forces 250 (lb) or li 5/250, 11-12=-114/285, 12-13=-128/3 66/408, 16-17=-160/396, 12-13=-159/ 59/395, 21-22=-160/396, 22-73=-161/ 43/354, 25-26=-128/319, 26-27=-114/	42, 41, 40, 39, 38, 37 ex 1, 55, 65, 66, 67, 68, 56 2, 43), 54=292(LC 43), 36(LC 44), 61=287(LC 45), 36(LC 44), 47=294(LC 43), 39(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=266(LC 44), 41=	xcept 69=-103(LC 6, 50, 40, 57=255(LC 44), 63=289(LC 44) 44), 46=287(LC 44) 44) -15=-159/390, 9-20=-159/395,		
IOTES- ) Unbalanced roof live lo ) Wind: ASCE 7-16; Vul (envelope) gable end z 40-6-0 to 52-0-10, Cor	ads have been considered for this det =120mph (3-second gust) Vasd=95m one and C-C Corner(3E) 0-0-0 to 5-9- ner(3E) 52-0-10 to 57-10-4 zone; canti MWFRS for reactions shown; Lumbe	ign. h; TCDL=5.0psf; BCDI 10, Exterior(2N) 5-9-10 ever left and right expo DOL=1.60 plate grip D For studs exposed to y	L=5.0psf; h=35ft; C to 20-2-6, Corner(3 ised ; end vertical k 0CL=1.60 vind (normal to the	at. II; Exp B; Enclosed; MWFR 3R) 20-2-6 to 40-6-0, Exterior(2 eft and right exposed;C-C for face), see Standard Industry	SEAL 28147 JO/23/2023

vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer of truss designer of truss designer. 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	LOT 28 PROVIDENCE CREEK   29 COTTONSEED L	LANE FUQUAY-VARINA, NC
	23-7721-R01	R06	GABLE	1	1	Job Reference (optional)	# 42107
	Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:52:15 2023 Page ID:av29u_vm2cwLtXF0Wc5ybwyV6X0-kmHiaJ8XtsAB2t6M9N5RdhN1O5kgAhColoiRJOyQAC						

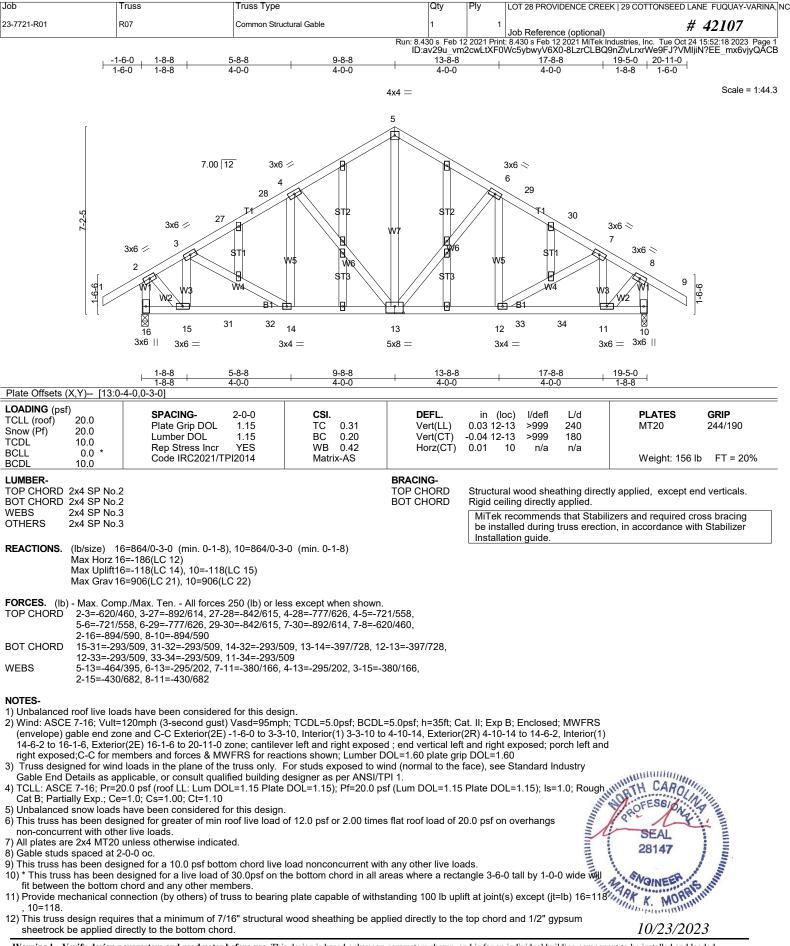
11)\* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 53, 54, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 68, 51, 48, 47, 46, 44, 43, 42, 41, 40, 39, 38, 37 except (jt=lb) 69=103.

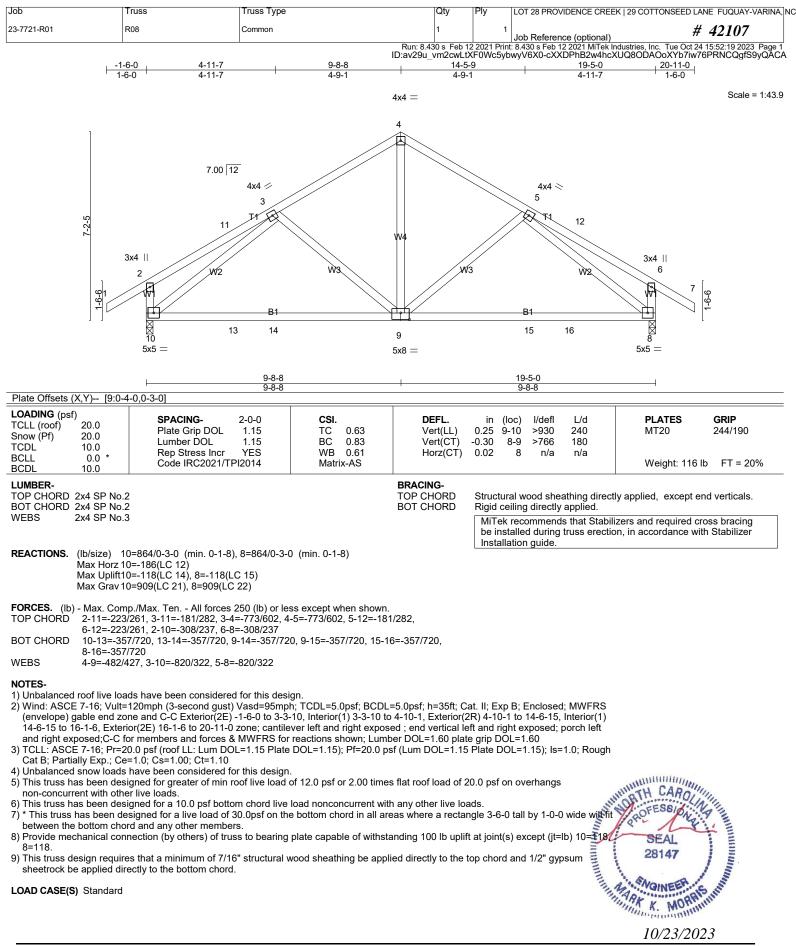
LOAD CASE(S) Standard

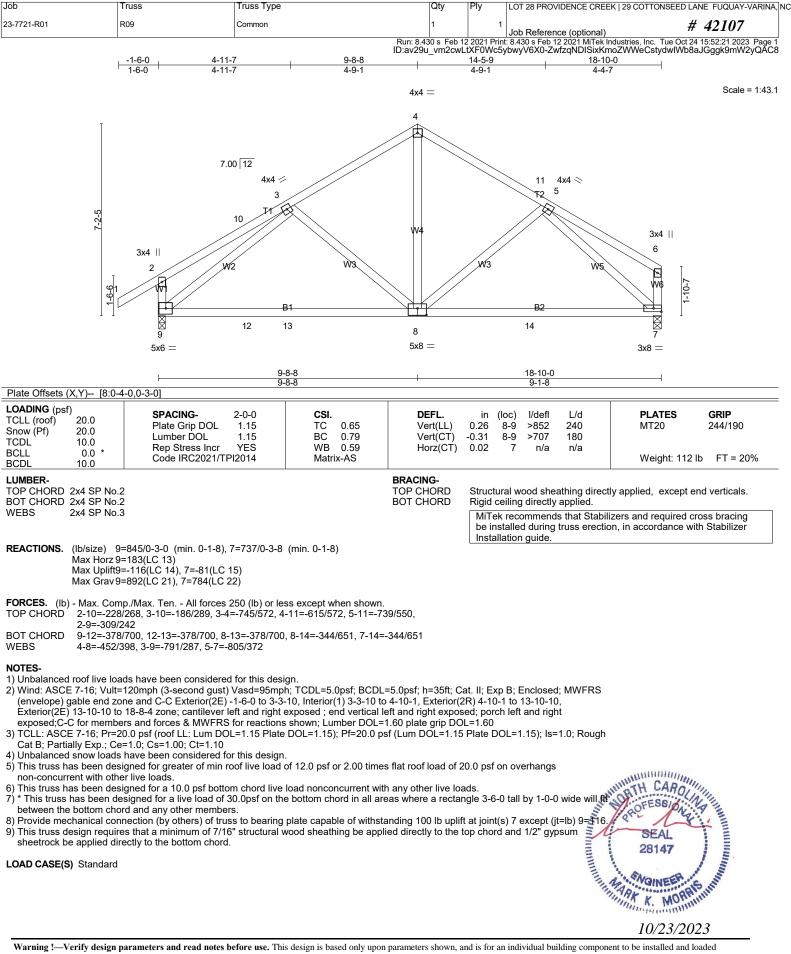


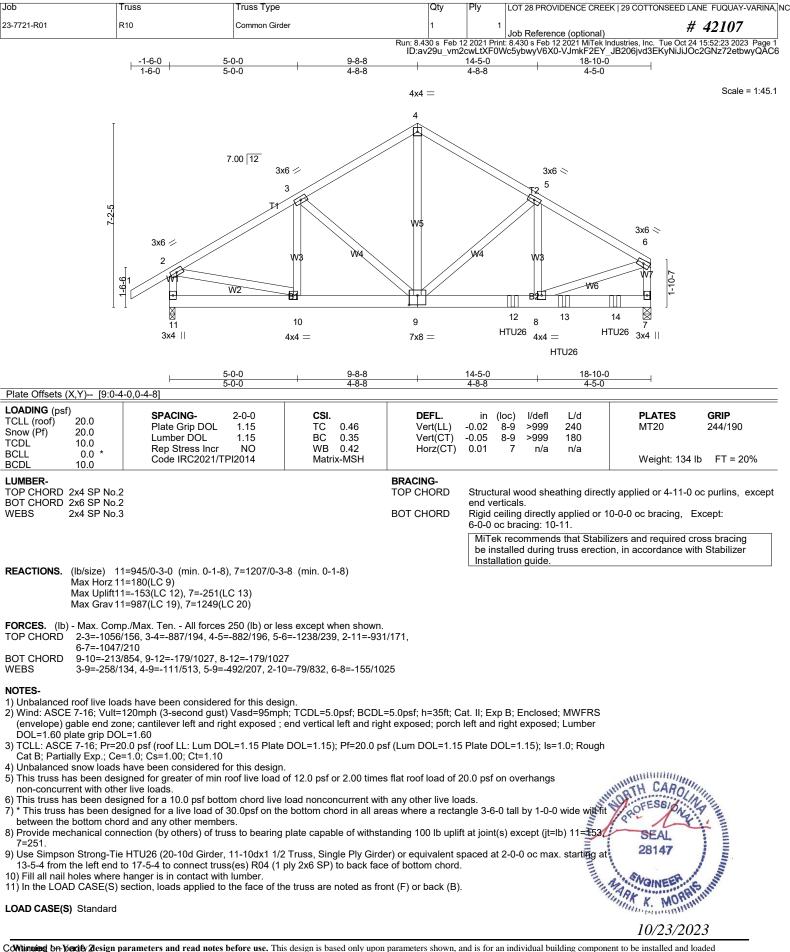
10/23/2023



LOAD TEAST TO A CONTROL OF THE STATE OF THE







Continuing on 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.

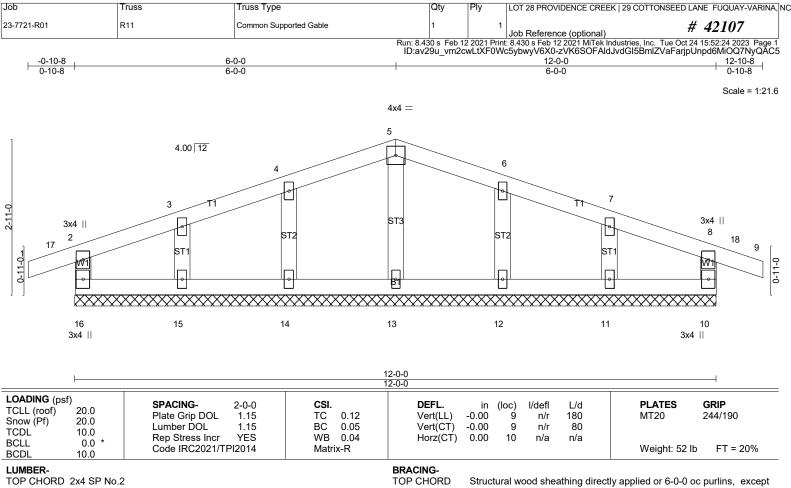
Job	Truss	Truss Type	Qty	Ply	LOT 28 PROVIDENCE CREEK   29 COTTONSEED LANE FUQUAY-VARINA, NC
23-7721-R01	R10	Common Girder	1	1	Job Reference (optional) # 42107
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Tue Oct 24 15:52:23 2023 Page 2 ID:av29u_vm2cwLtXF0Wc5ybwyV6X0-VJmkF2EY_JB206jvd3EKyNiJiJOc2GNz72etbwyQAC6					

# LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 2-4=-60, 4-6=-60, 7-11=-20

Concentrated Loads (lb) Vert: 12=-190(B) 13=-190(B) 14=-190(B)





BOT CHORD

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

end verticals. Rigid ceiling directly applied or 6-0-0 oc bracing

MiTek recommends that Stabilizers and required cross bracing

be installed during truss erection, in accordance with Stabilizer Installation guide

REACTIONS. All bearings 12-0-0.

(lb) - Max Horz 16=15(LC 18)

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

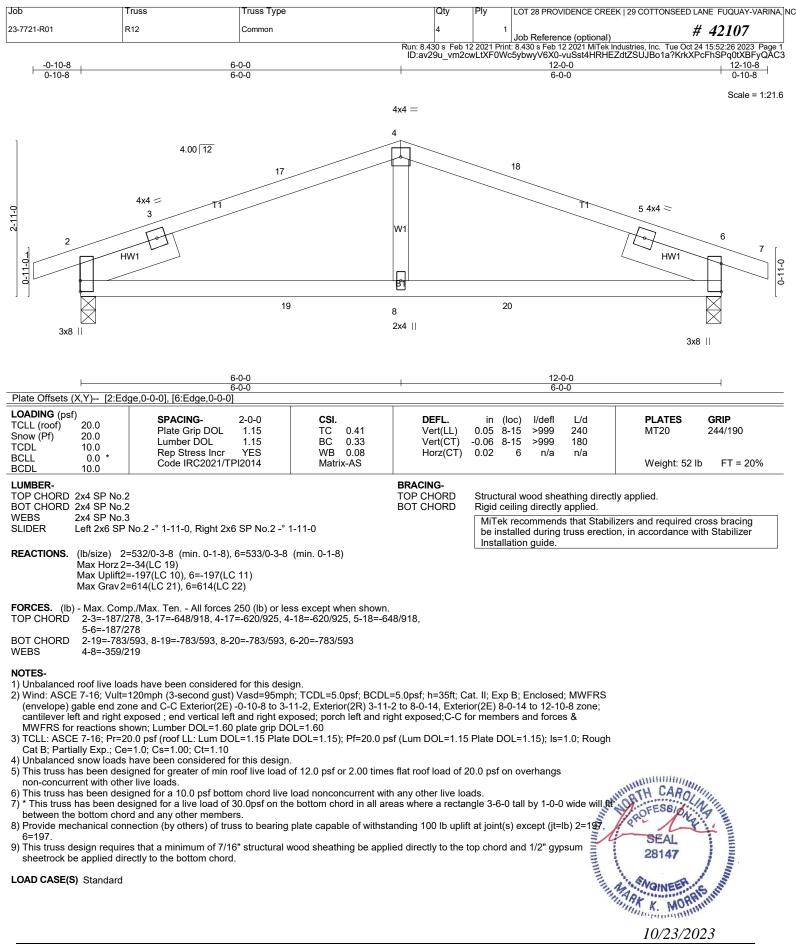
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

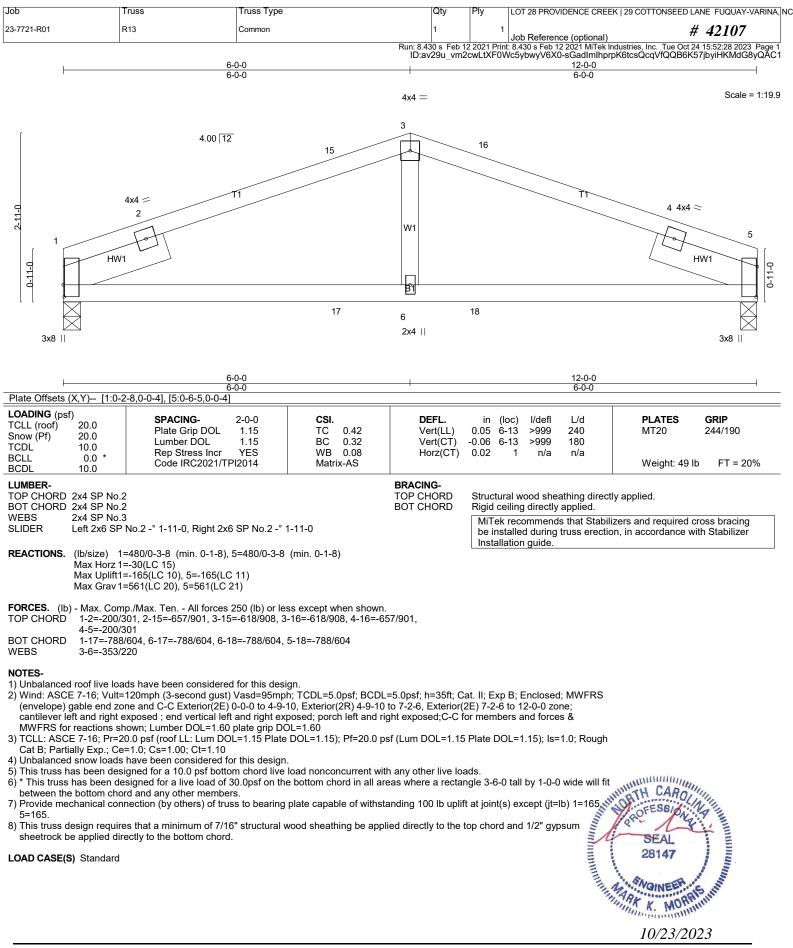
# NOTES-

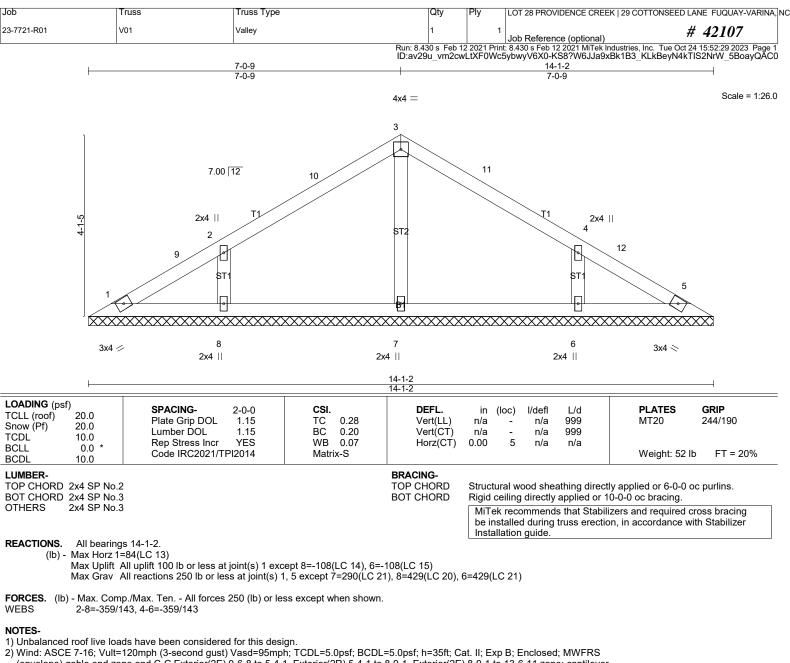
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-0-0, Corner(3R) 4-0-0 to 8-0-0, Corner(3E) 8-0-0 to 12-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;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.
- 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 2-0-0 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.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 10, 14, 15, 11.

LOAD CASE(S) Standard

SEAL 28147 SEAL 28147 <u>AQUEER</u> SEAL 28147 <u>SEAL</u> 28147 <u>SEAL</u> 28147 







(envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 5-4-1, Exterior(2R) 5-4-1 to 8-9-1, Exterior(2E) 8-9-1 to 13-6-11 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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.

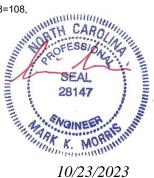
5) Gable requires continuous bottom chord bearing.

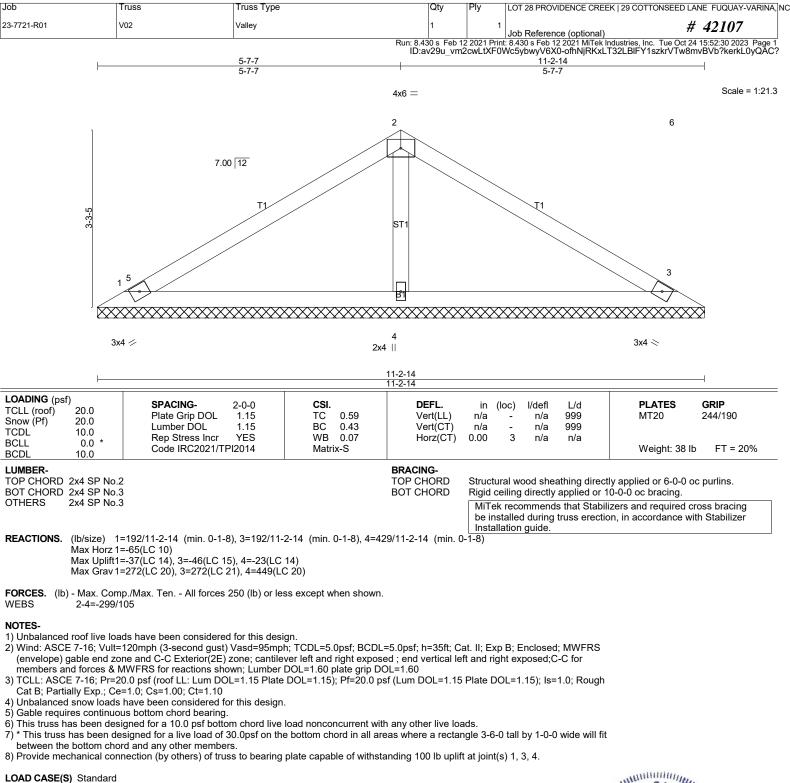
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=108, 6=108.

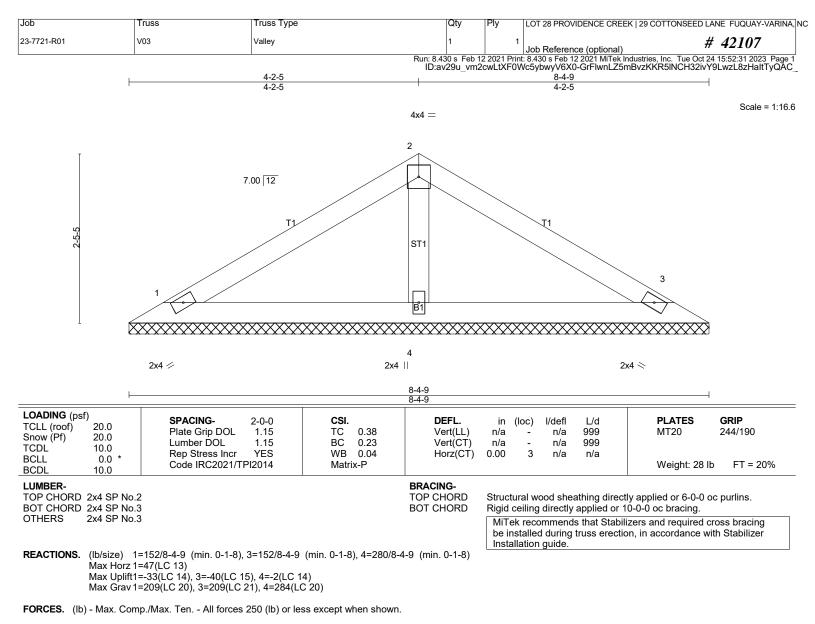
# LOAD CASE(S) Standard







10/23/2023



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) Gable requires continuous bottom chord bearing.

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

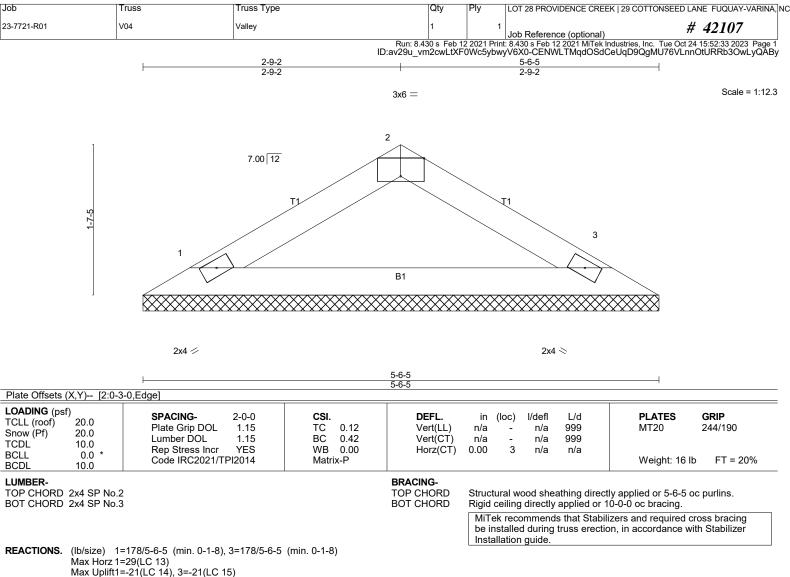
# LOAD CASE(S) Standard



10/23/2023

<sup>1)</sup> Unbalanced roof live loads have been considered for this design.

<sup>2)</sup> Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



Max Grav 1=203(LC 20), 3=203(LC 21)

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

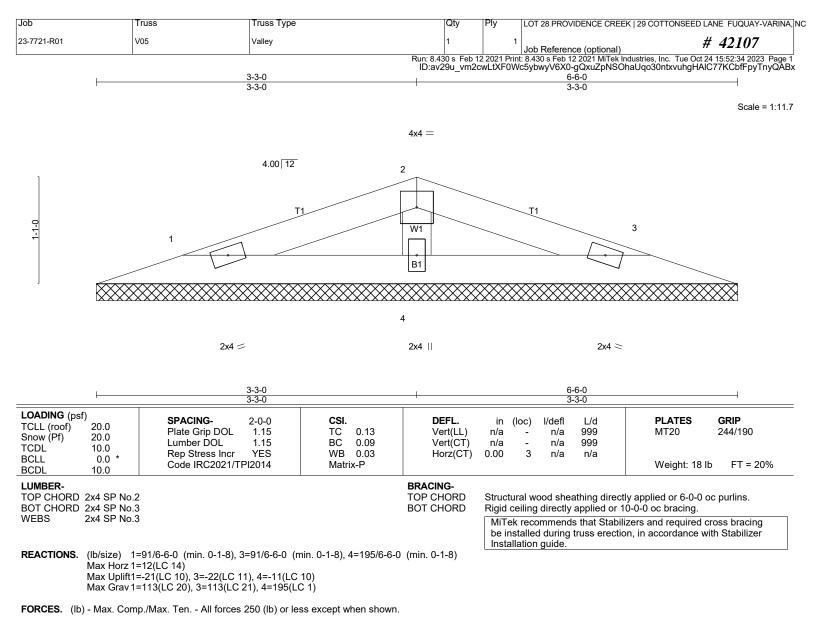
# NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Gable requires continuous bottom chord bearing.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

# LOAD CASE(S) Standard



10/23/2023



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) Gable requires continuous bottom chord bearing.

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

# LOAD CASE(S) Standard



10/23/2023

<sup>1)</sup> Unbalanced roof live loads have been considered for this design.

<sup>2)</sup> Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60