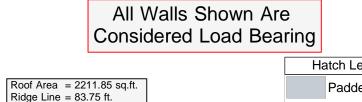


1700 1 2550 1 3400 1 3400 2 5100 2 6800 2 6300 4 10200 4 13600 4 10200 6 15300 6 10200 1 10200 6 15300 6 10200 1 10200 6 10200 1 10200 1 1 10200 6 10200 1 10200 1 1 1 10201 13600 1 NODEL Kooł 1 <th>Tables. A registered design professional shall be support system for all reactions that exceed 15000#. David Landry Signature David Landry LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. LOAD CHART FOR JACK STUDS LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. UDAVID Landry LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. (add to design the support system for all reactions that exceed 15000#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions the support system f</th> <th>Tetalnet to design the support system for all reactions that exceed 15000#. David Landry David Landry LOAD CHART FOR JACK STUDS Signature David Landry LOAD CHART FOR JACK STUDS Same on TARLES ROOM, AND SAME OF LACK STUDS RECOURSE 8 and the support system for all reactions that exceed 15000#. Same of the support system for all colspan="2">Colspan="2" MURE of Loc of the span of th</th> <th>ureaver Development to. In Lot 6 O'Quinn Brinkley "A" / 3GRF, CP</th> <th>JOB NAME Lot 6 O'Quinn PLAN Brinkley "A" / 3GR SEAL DATE N/A</th> <th>J1221-6811</th>	Tables. A registered design professional shall be support system for all reactions that exceed 15000#. David Landry Signature David Landry LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. LOAD CHART FOR JACK STUDS LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. UDAVID Landry LOAD CHART FOR JACK STUDS (add to design the support system for all reactions that exceed 15000#. (add to design the support system for all reactions that exceed 15000#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions that exceed 1500#. (add to design the support system for all reactions the support system f	Tetalnet to design the support system for all reactions that exceed 15000#. David Landry David Landry LOAD CHART FOR JACK STUDS Signature David Landry LOAD CHART FOR JACK STUDS Same on TARLES ROOM, AND SAME OF LACK STUDS RECOURSE 8 and the support system for all reactions that exceed 15000#. Same of the support system for all colspan="2">Colspan="2" MURE of Loc of the span of th	ureaver Development to. In Lot 6 O'Quinn Brinkley "A" / 3GRF, CP	JOB NAME Lot 6 O'Quinn PLAN Brinkley "A" / 3GR SEAL DATE N/A	J1221-6811	
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Dimension Notes
1. All exterior wall to wall dimensions are to face of sheathing unless noted otherwise 2. All interior wall dimensions are to face of frame wall unless noted otherwise 3. All exterior wall to truss dimensions are to face of frame wall unless noted otherwise



Hip Ľ	e Line = 83.75 ft. Line = 0 ft. 2. OH = 189.58 ft.					Tray	/ Ceiling
	ed OH = 233.07 ft. ing = 76 sheets					2nd	Floor Wa
						Drop	b Beam
	Conne	ctor Info	rmat	ion	Nai	l Info	ormation
Sym	Product	Manuf	Qty	Supported Member	Head	er	Truss
	HUS26	USP	19	NA	16d/3-	1/2"	16d/3-1

		Products		
PlotID	Length	Product	Plies	Net Qty
BM1	22' 0"	1-3/4"x 16" LVL Kerto-S	3	3
BM2	15' 0"	1-3/4"x 16" LVL Kerto-S	3	3
BM3	7'0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2
GDH2	12' 0"	2x12 SPF No.2	2	2

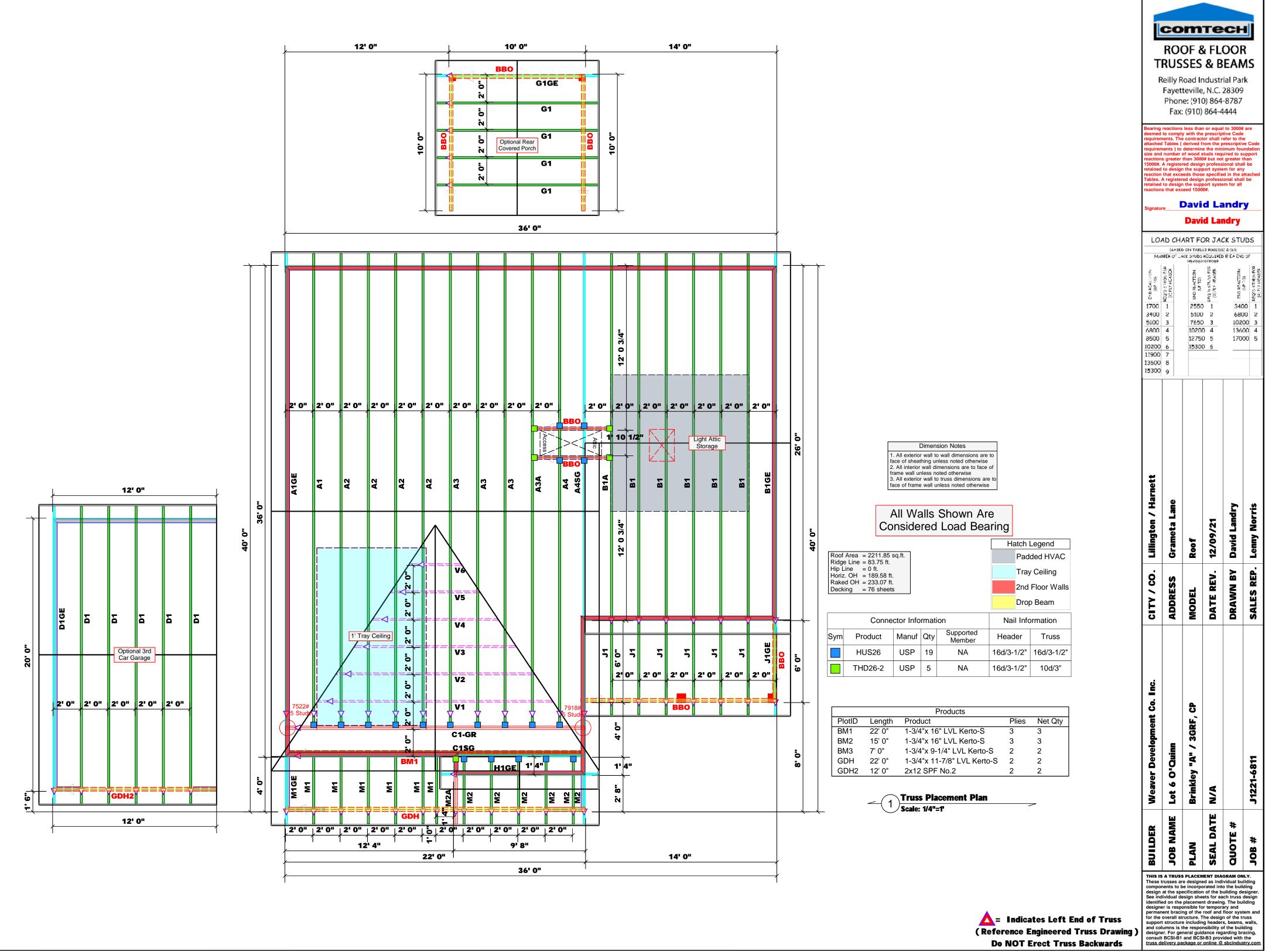
NA

16d/3-1/2"

Truss Placement Plan Scale: 1/4"=1

____= Indicates Left End of Truss (Reference Engineered Truss Drawing) **Do NOT Erect Truss Backwards**

for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com



(Reference Engineered Truss Drawing) **Do NOT Erect Truss Backwards**



RE: J1221-6811 Lot 6 O'Quinn Trenco 818 Soundside Rd Edenton, NC 27932

Site Information: Customer: Weaver Development Co. Inc. Lot/Block: 6 Address: Grameta Lane City: Lillington

Project Name: J1221-6811 Model: Brinkley Subdivision: O'Quinn State: NC

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10

Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.4 Wind Speed: 150 mph Floor Load: N/A psf

This package includes 29 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E16001299	A1	8/3/2021	21	E16001319	M1GE	8/3/2021
2	E16001300	A1GE	8/3/2021	22	E16001320	M2	8/3/2021
3	E16001301	A2	8/3/2021	23	E16001321	M2A	8/3/2021
4	E16001302	A3	8/3/2021	24	E16001322	V1	8/3/2021
5	E16001303	A3A	8/3/2021	25	E16001323	V2	8/3/2021
6	E16001304	A4	8/3/2021	26	E16001324	V3	8/3/2021
7	E16001305	A4SG	8/3/2021	27	E16001325	V4	8/3/2021
8	E16001306	B1	8/3/2021	28	E16001326	V5	8/3/2021
9	E16001307	B1A	8/3/2021	29	E16001327	V6	8/3/2021
10	E16001308	B1GE	8/3/2021				
11	E16001309	C1-GR	8/3/2021				
12	E16001310	C1SG	8/3/2021				
13	E16001311	D1	8/3/2021				
14	E16001312	D1GE	8/3/2021				
15	E16001313	G1	8/3/2021				
16	E16001314	G1GE	8/3/2021				
17	E16001315	H1GE	8/3/2021				
18	E16001316	J1	8/3/2021				
19	E16001317	J1GE	8/3/2021				
20	E16001318	M1	8/3/2021				

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision

based on the parameters provided by Comtech, Inc - Fayetteville.

Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2021 North Carolina COA: C-0844

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Gilbert, Eric

August 03, 2021

Job	Truss		Truss Type	Qty	Ply	Lot 6 O'Quinn		
J1221-6811	A1		COMMON	1	1			E16001299
Comtech, Inc,	Fayetteville, NC - 28314	4.			8.430 s Ju	Job Reference (opti un 2 2021 MiTek Indu	onal) stries, Inc. Tue Aug 3 07	7:54:20 2021 Page 1
, -,	6-8-8	,	15-8-8	ID:I4HRAT3eIT	9qoRldAoE		Wmr6nthb4c3R2ZWylUw 33-8-0	FIIhR4O_yzMvyrd61
	6-8-8		9-0-0	9-0-			8-11-8	<u>34-7-0</u> 0-11-0
								Scale: 3/16"=1'
				5x8 =				
			6.00 12	4				
Ī			/					
					17			
		4x6 📁	16	$' \parallel >>$		2x4 //		
		4x6 📁			\sim	4x6 ≈		
12		2 3				3 6		
9-7-12	15	T.				19		
3x4							40	
0,44	1	/	\sim //				18	
po l	P		\mathbb{N}		\\ //	/		78
1-9-8								0-31-8-0 -3-12
	13		12 11 19	20	10 9			4x6 =
	4 ¹³ 6x6 =		4x6 =		3x4 =			
	0.00 —		3x4 =	4	x6 =			
	9-8			<u>21-8-8</u> 12-0-0			33-8-0 1-11-8	
Plate Offsets (X,Y)				12-0-0		I	1-11-0	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL 20.0 TCDL 10.0	Plate Grip I Lumber DC		TC 0.36 BC 0.66	Vert(LL) -0.3 Vert(CT) -0.4		>999 360 >833 240	MT20	244/190
BCLL 0.0 *	Rep Stress	Incr YES	WB 0.57	Horz(CT) 0.0	57	n/a n/a		
BCDL 10.0	Code IRC2	2015/TPI2014	Matrix-S	Wind(LL) 0.0	7 7-9	>999 240	Weight: 230 lb	FT = 20%
LUMBER-				BRACING-	O 1			
TOP CHORD 2x0 BOT CHORD 2x0	5 SP No.1 5 SP No.1			TOP CHORD		rai wood sneatning o end verticals.	lirectly applied or 4-9-10) oc purlins,
	4 SP No.2 *Except* 3: 2x6 SP No.1			BOT CHORD WEBS		eiling directly appliec at midpt	l or 9-9-4 oc bracing. 2-13	
				WEBO	TROW	at most	2-10	
	(size) 13=Mechanic ax Horz 13=-193(LC 1							
Ma	ax Uplift 13=-222(LC 1	2), 7=-263(LC						
	ax Grav 13=1333(LC 1	,, (,					
			(lb) or less except when show 84/871, 6-7=-2336/875, 1-13=					
BOT CHORD 1	2-13=-482/1658, 9-12	=-230/1276, 7-9	9=-635/1990					
WEBS 2	-12=-242/311, 4-12=-1	40/593, 4-9=-2	73/970, 6-9=-522/454, 2-13=-	1806/660				
NOTES-	f live loads have been	considered for	this design					
2) Wind: ASCE 7-1	0; Vult=150mph Vasd	=119mph; TCD	L=6.0psf; BCDL=6.0psf; h=15		,	· · · ·		
			15-8-8, Exterior(2) 15-8-8 to 2 Lumber DOL=1.60 plate grip E		to 34-4-10	zone;C-C for		
			ord live load nonconcurrent w					
			osf on the bottom chord in all a ers, with BCDL = 10.0psf.	reas where a rectangle 3	-6-0 tall by	/ 2-0-0 wide		
5) Refer to girder(s) for truss to truss con	nections.					STAR CA	Bark
 Provide mechan 13=222, 7=263. 	ical connection (by oth	ners) of truss to	bearing plate capable of withs	standing 100 lb uplift at jo	int(s) exce	ept (jt=lb)	2 O CEES	4
7) This trues is dec	ianad in accordance y		annational Desidential Osda a	antiana DEOQ 44.4 and D	000 40 0 -	and d		

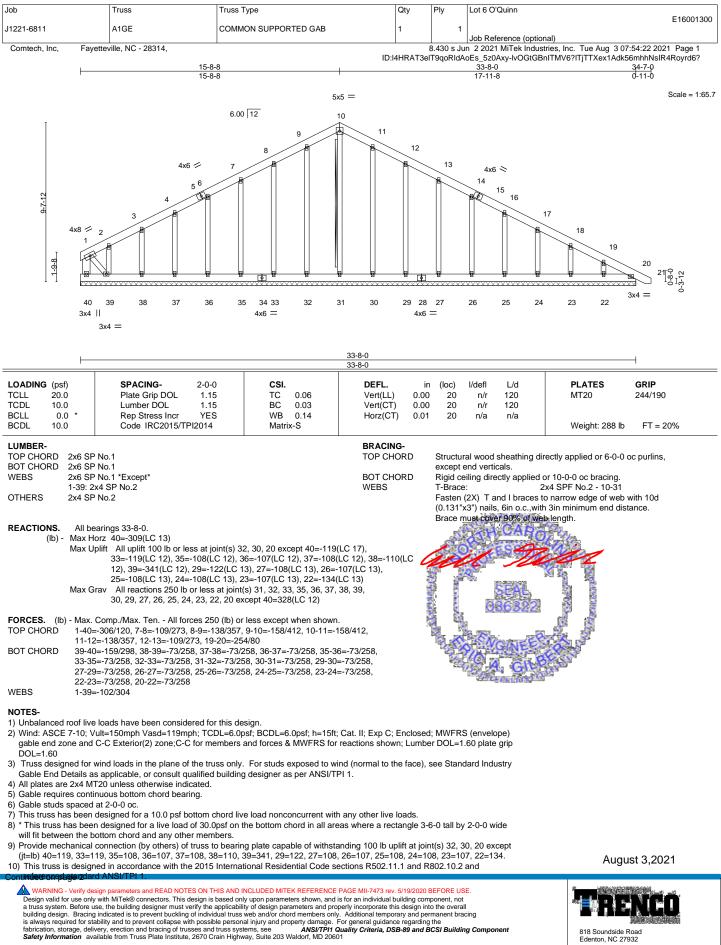
7) This trues is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design properly incorporely incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclings with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, rection and bracing of trusses systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





818 Soundside Road Edenton, NC 27932

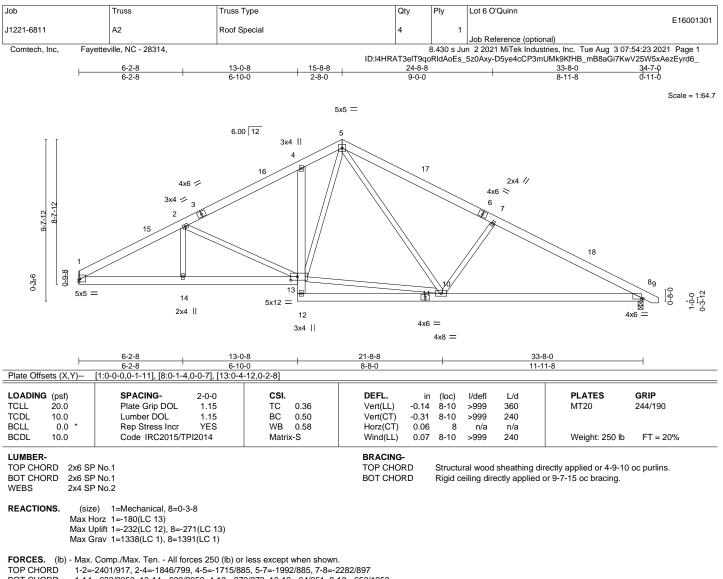
Job	Trus	s	Truss Type	Qty	Ply	Lot 6 O'Quinn
J1221-6811	A1G	E	COMMON SUPPORTED GAB	1	1	E16001300
						Job Reference (optional)
Comtech, Inc,	Comtech, Inc, Fayetteville, NC - 28314,				3.430 s Jur	n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:22 2021 Page 2
			ID:I4	HRAT3el	T9qoRIdAo	Es_5z0Axy-lvOGtGBnITMV6?ITjTTXex1Adk56mhhNsIR4Royrd6?

NOTES-

11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclidal truss event and/or chord members only. Additional temporary and permanent bracing fabrication, storage, delivery, rection and bracing of trusses and truss systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





1-14=-633/2050, 13-14=-633/2050, 4-13=-270/273, 10-12=-64/251, 8-10=-652/1953 BOT CHORD 2-14=0/303, 2-13=-561/329, 10-13=-188/1073, 5-13=-355/764, 5-10=-253/676, WEBS 7-10=-522/457

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0-12 to 4-5-9, Interior(1) 4-5-9 to 15-8-8, Exterior(2) 15-8-8 to 20-1-5, Interior(1) 20-1-5 to 34-4-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=232.8=271.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.





🛕 WARNING - Verify design pa neters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply Lot 6 O'Quinn		
J1221-6811	A3	COMMON	3	1		E16001302
Comtech, Inc, Fa	yetteville, NC - 28314,			Job Reference	(optional) Industries, Inc. Tue Aug 30	7:54:24 2021 Page 1
	6-8-8 6-8-8	15-8-8 9-0-0		qoRldAoEs_5z0Axy-hHW0 3	HxD1q4cDLJurruV?kM6RTX 33-8-0 8-11-8	
		5x8	_			Scale: 3/16"=1'
		540	_			
		6.00 12 4		7		
9-7-12	4x6 == 4x6 == 2 3			2x4 4x6 = 5 6	↓ <i>1</i> /	
d 3x4 1	15 5				18	
				\bigvee		78 19 11
14	13 19 2	0 12 11 21 4x6 =	22 1	0 9 23 3x6 =	24	4x6 =
6x	6 =	3x4 =	5x	8 =		
	9-8-8	21-8	-8		33-8-0	
	<u>9-8-8</u> [7:0-1-4,0-0-7], [13:0-1-8,0-4-4	12-0			11-11-8	
Plate Offsets (X,Y)						
LOADING (psf) TCLL 20.0	Plate Grip DOL 1.		DEFL. in Vert(LL) -0.30	n (loc) l/defl L/d 9-12 >999 360	PLATES MT20	GRIP 244/190
TCDL 10.0 BCLL 0.0 *	Lumber DOL 1. Rep Stress Incr YE		Vert(CT) -0.42 Horz(CT) 0.06	9-12 >946 240		
BCDL 10.0	Code IRC2015/TPI2014		Horz(CT) 0.06 Wind(LL) 0.07		Weight: 230 lb	FT = 20%
LUMBER- TOP CHORD 2x6 S BOT CHORD 2x6 S WEBS 2x4 S			BRACING- TOP CHORD BOT CHORD	except end verticals.	ing directly applied or 4-5-3 plied or 9-9-4 oc bracing.	oc purlins,
	2x6 SP No.1		WEBS	1 Row at midpt	2-13	
Max Max	ze) 13=Mechanical, 7=0-3-8 Horz 13=-193(LC 13) Uplift 13=-222(LC 12), 7=-263(L Grav 13=1525(LC 2), 7=1551(L					
TOP CHORD 1-2 BOT CHORD 12-	=-323/179, 2-4=-2090/805, 4-6=- 13=-482/1866, 9-12=-230/1449,	50 (lb) or less except when shown. 2413/871, 6-7=-2646/875, 1-13=-255 -9=-635/2287 -273/1190, 6-9=-522/454, 2-13=-194				
NOTES- 1) Unbalanced roof li 2) Wind: ASCE 7-10; and C-C Exterior(2 members and forc 3) This truss has bee	ve loads have been considered f Vult=150mph Vasd=119mph; T0) 0-4-4 to 4-9-1, Interior(1) 4-9-1 s & MWRS for reactions show n designed for a 10.0 psf bottom		at. II; Exp C; Enclosed 5, Interior(1) 20-1-5 to 1.60 ny other live loads.	34-4-10 zone;C-C for	16.29.076	No. or co
5) Refer to girder(s) f6) Provide mechanica 13=222, 7=263.		nbers, with BCDL = 10.0psf. to bearing plate capable of withstand	• • •	.,,	A PARTIE	Aur

7) This trues is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design properly incorporely incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclings with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, rection and bracing of trusses systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



21:66:11 A3A COMMON 1		Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn		E16001303
med. In: Preserve, No. 2814, <u>6.08</u> 4.0 201 MTe indextees. In: The 2015 A2 302 F. Berl <u>6.09</u> 4.0 201 MTe indextees. In: The 2015 A2 302 F. Berl <u>6.09</u> 4.0 201 MTe indextees. In: The 2015 A2 302 F. Berl <u>6.09</u> 4.0 201 MTe indextees. In: The 2015 A2 302 F. Berl <u>6.09</u> 4.0 201 MTe indextees. In: The 2015 A2 302 F. Berl <u>6.09</u> 4.0 201 MTe indextees. In: The 2015 MTE indextees. In: The 20	221-6811	АЗА	COMMON	1	1	Inh Deference (antional)		E 1000130.
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BER P 9-0 5-30 B-11-8 ADING (pat) SPACING- 2-0-0 CSI. TC 0-56 DEFL. Wert(L1) -0.19 in (boc) Model L/d PLATES GRIP ADING (pat) SPACING- 2-0-0 CSI. L1 DEFL. 0.0 in (boc) Model L/d PLATES GRIP L1 0.0 Lumber DOL. Code IRC201STP12014 Matrix-S DEFL. Wind(L1) 0.21 in (boc) Model L/d PLATES GRIP DC 10.0 Code IRC201STP12014 Matrix-S Wind(L1) 0.21 9-11 >999 240 Weight: 237 Ib FT = 20% MBER- IP CHORD 2x6 SP No.1 Structural wood sheathing directly applied or 5-9-3 oc bracing. Weight: 237 Ib FT = 20% MER- ISS 2x4 SP No.2 Tecopt* BOT CHORD Structural wood sheathing directly applied or 5-9-3 oc bracing. VECKS 14-4-Mechanical, 7-0-3-8 Max Grav Max Indep 4-13, 4-11, 2-14 ACTIONS. (gize) 14-4-Mechanical, 7-0-3-8 Max Grav Max Indep 4-13, 4-11, 2-14 ACTIONS. (gize) 14-4-Mechanical, 7-0-3-8<	0.0	_	3x4 =	6x	6 =			
Bits Offsets (XY)- [7:0-1-0.0-1-13], [11:0-4-0.0-4-12], [14:0-2:4:0-4:4] ADING (ps) LL SPACING- 20:0 2-0-0 Plate fing DOL CSL 1:5 DEFL BC 0.05 Identify Ld PLATES GRIP MT20 10:0 Lumber DOL 1.15 BC 0.97 Vert(L) 0.09 7 n/a MT20 24/4/190 10:0 No Rep Stress Incr NO WB 0.77 Horz(CT) 0.09 7 n/a n/a MDRDER Code IRC2015/TPI2014 Matrix-S Wind(L) 0.21 911<9399	⊢							
LL 20.0 Plate Grip DOL 1.15 TC 0.56 Vert(L) -0.19 11-13 5999 360 MT20 24/190 LL 0.0 Rep Stress Inc NO WB 0.77 Worl(C) 0.02 1 1 999 240 Weight: 237 lb FT = 20% MBER- IP CHORD 266 SP No.1 Structural wood sheathing directly applied or 34-9 oc purlins, except end verticals. Structural wood sheathing directly applied or 34-9 oc purlins, except end verticals. BT CHORD 266 SP No.1 Structural wood sheathing directly applied or 34-9 oc purlins, except end verticals. BCTONS (size) 14-4.266 SP No.1 WEBS 100 CHORD Rigid ceiling directly applied or 5-93 oc bracing. WEAS Vertical -114-266 SP No.1 WEBS 100 at windpit 4-13, 4-11, 2-14 ACTONS (size) 14-40802 ST - 2267 (LC 13) WEBS 100 at windpit 4-13, 4-11, 2-14 MCES (0) - Max Comp.Max Ten - All forces 250 (b) or less except when shown. PC HORD 12-436222, 27, 24-23261388, 4-6-3895/1822, 6-7-44382001, 1-14-24363860 EBS 2-13-e67728, 249 11-3-e8702680	ate Offsets (X,Y)			1	5-5-0		-11-0	
DL 10.0 Lumber DDL 1.15 BC 0.97 Vert(CT) 0.03 7 n/a n/a DL 10.0 Rep Stress Incr NO WB 0.77 Wind(LL) 0.21 9.11 3.999 240 Weight: 237 /b FT = 20% MBER- TD CHORD 2x6 SP No.1 Structural wood sheathing directly applied or 34-9 oc purlins. except end verticals. BACIMO- TOP CHORD Structural wood sheathing directly applied or 34-9 oc purlins. except end verticals. BOT CHORD Structural wood sheathing directly applied or 54-9 oc braing. RACTIONS (size) 14-4-Machanical, 7=0-3-8 BACIMO- TOP CHORD WEBS 1 Row at midpt 4-13, 4-11, 2-14 ACTONS (size) 14-4-Machanical, 7=0-3-8 WEBS 1 Row at midpt 4-13, 4-11, 2-14 ACTONS (size) 14-4-Machanical, 7=0-3-8 WEBS 1 Row at midpt 4-13, 4-11, 2-14 MACTIONS (size) 14-4-Machanical, 7=0-3-8 WMM ASCI 2-10, 20 1 Row at midpt 4-13, 4-11, 2-14 MACTIONS (size) 14-4-Machanical, 7=0-1280(D, 1-14=-315/241 1 Row at midpt 4-13, 4-11, 2-14 MICHOND	DADING (psf)	SPACING- 2-0	-0 CSI .	DEFL. ir	(loc)	l/defl L/d	PLATES	GRIP
LL 0.0<*/th> Rep Stress Incr NO WB 0.77 Moric (CT) 0.0.9 7 n/a Weight: 237 /b FT = 20% MBER. IP CHORD 2x6 SP No.1 Stress Processing Stress Procesesing Stress Proc							MT20	244/190
MBER- IP CHORD ZXS SP No.1 IP CHORD ZXS SP No.1 TOP CHORD ZXS SP No.1 EBS ZX4 SP No.2 *Except* IT CHORD ZXS SP No.1 SES ZX4 SP No.2 *Except* IT 14: ZXS SP No.1 BT Advechanical, 7=0-3.8 Max Horz, 14=: 193(LC 12) Nax Logit 14=: 373(LC 12) Max Lipit 14=: 373(LC 12)	CLL 0.0 *	Rep Stress Incr	VO WB 0.77	Horz(CT) 0.09	7	n/a n/a		FT 00%
PP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 3-4-9 oc purlins, experied new tricinals. EBS 2x4 SP No.2 *Except* BOT CHORD WEBS Rigid ceiling directly applied or 5-9-3 oc bracing. ACTIONS (size) 14-Mechanical, 7=0-3-8 Max Horz 14=-193(LC 13) Max Upilit 14=-373(LC 12), 7=-491(LC 13) Max Grav 14=204(HC 15), 7=-2457(LC 20) +			4 Matrix-S		9-11	>999 240	weight. 237 lb	FT = 20%
TCHORD 2x6 SP No.1 except end verticals. EBS 2x4 SP No.2 'Except' BOT CHORD Night ceiling directly applied or 5-9:3 ob bracing. 1-14: 2x6 SP No.1 BWEBS Night ceiling directly applied or 5-9:3 ob bracing. iACTONS. (size) 14-M9Ghanical, 7=0-3-8 Max Horz 14-193(LC 13) Max Grav 14=2046(LC 19), 7=-3491(LC 0) Max Grav 14=2046(LC 19), 7=-3491(LC 0) +13, 4-11, 2-14 RCES. (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. +12-433272, 74-4-32807(389, 46=-3695/1822, 6-7=-44392/2001, 1-14=-315/241 TCHORD 13-14=-9448/2587, 11-13=-617/2396, 9-11=-1625/3860, 7-9=-1625/3860 +23-67/282, 4-13==80/441, 4-11=-1088/2378, 6-11=-809/520, 2-14=-2661/1191, 6-9=-78/489 YEES 21-36-7/282, 4-13==80/441, 4-11=-1628/3860, 7-9=-1625/3860 +4-10, 20-e;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 optic h=15ft Cat. II; Exp C; Enclosed: MWFRS (envelope) and C-C Exteric(2) 16-4-9 to 15-8, Exteric(2) 15-6 to 20-1-6, interic(1) 20-1-5 to 34-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 1/w load 30.0psf on the bottom chord in al areas where a rectangle 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to gird(c) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb upilit at joint(s) except (li=b) 14-13(3, 7-44). <td< td=""><td>UMBER- OP CHORD 2x6 SF</td><td>9 No.1</td><td></td><td></td><td>Structur</td><td>al wood sheathing directly</td><td>applied or 3-4-9</td><td>oc purlins,</td></td<>	UMBER- OP CHORD 2x6 SF	9 No.1			Structur	al wood sheathing directly	applied or 3-4-9	oc purlins,
1-14: 2x6 SP No.1 WEBS 1 Row at midpt 4-13, 4-11, 2-14 ACTONS. (stze) 14-Mechanical, 7=0-3.8 Max Wort 14=193(LC 13) Max Grav 14=2046(LC 19), 7=2357(LC 20) MACES. (lb) - Max. Comp./Max. Ten401 forces 250 (lb) or less except when shown. 1-2=-435/227, 2-4=-2926/1389, 4-6=-3695/1822, 6-7=-4439/2001, 1-14=-315/241 17 CHORD 1-3-14=-948/2587, 11-13=-817/2396, 9-11=-1625/3860, 7-9=-1625/3860 258 2-13=-67/282, 4-13=-80/441, 4-11=-1089/2378, 6-11=-80/520, 2-14=-2661/1191, 6-9=-78/489 TES- Unbalanced for of live loads have been considered for this design. Wind: ASCE 7-10: Vult=150mph Vasd=119mph; TCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-44 to 4-9-1, Interior(1) 4-91 to 15-8-8, Exterior(2) 15-84 to 2-9-15, theratior(1) 20-15 to 34-10 zonc;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 ptile grip DOL=1.60 This truss has been designed for a live load of 30.0ps on the bottom chord in all areas where a rectangle 2-6-0 tall by 2-0-0 wide will fib between the bottom chord and any other members, with BCDL = 10.0psf. Refer to gridre(3) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb upilit at joint(s) except (it=lb) 1-4:373, 7-491. This truss is designed in a accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/ITP1 1. Hangre(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 b down and 552 b up a							-3 oc bracing	
Max horz 14=193(LC 13) Max Uplit 14=24373(LC 12), 7=2491(LC 13) Max Grav 14=2046(LC 19), 7=2357(LC 20) RCES. (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. IP CHORD 1:2=-435/227, 2:4=-2926/1389, 4:6=-3695/1822, 6:7=-4439/2001, 1:14=-315/241 D1:14=-9482587, 1:11:3==-11-1252/380, 7:9=-1625/380 2:3=2:13=-67/282, 4:13==80/441, 4:11==1088/2378, 6:11==890/520, 2:14=-2661/1191, 6:9=-78/489 PTES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vull=150mph Vasd=119mph; TCDL=6.0psf; h=15f; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0:4-4 to 4:9-43=1.1terior(1) 4:9-1 to 15-48. Exterior(2) 15:8-8 to 20:1-5, Interior(1) 20:1-5 to 34-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 ps bottom chord in all areas where a rectangle 2:6-0 tall by 2:0-0 wide will it between the bottom chord and any other invelocads. * This truss has been designed for a 10.0 ps bottom chord for 10.0 psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=373, 7=491. This truss has been designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1 1. Hanger(s) or other connection device(s) is shall be provide sufficient to support concentrate load(s) 985 lb down and 552 lb up at 19:-712, and 575 lb down and 322 lb up at 21:9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) Section, loads applied to the face of the truss are noted as fort (F) or back (B). ADC CASE(S) Section, loads applied to the face of the truss are noted as fort (F) or back (B). Hord LOAD CASE(S) Section, loads applied to the face of the truss are noted as fort (F) or back (B). Hord + Roof Live (balanced): Lumber								
Max Uplift 14=-373(LC 12), 7=-491(LC 13) Max Grav 14=2046(LC 19), 7=2357(LC 20) RCES. (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. PC CHORD 12=4-35227, 2-4=-2926/1389, 4-6=-3695/1822, 6-7=-44399/2001, 1-14=-315/241 JT CHORD 13=14=-948/2587, 11-13=-817/2396, 9-11=-1625/3860, 7-9=-1625/3860 2-13=-6728/489 TES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vull=150mph Vasd=119mph; TCDL=6.0psf; h=15f; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-8-8, Exterior(2) 15-8-8 to 20-15, Interior(1) 20-1-5 to 34-4-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DCL=1.60 Data grip DCL=1.60 This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 2-6-0 tall by 2-0-0 wide will it between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (It=lb) 14=373, 7=491. Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7-12, and 575 lb down and 322 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) Standard Dead + Rod Live (Dalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (pf) Vert: 1-4=-60, 4-8=-60, 7-15=-20	EACTIONS. (siz	e) 14=Mechanical, 7=0-3-8						
Max Grav 14=2046(LC 19), 7=2357(LC 20) RCES. (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. IP CHORD 1-2=435/227, 2-4=-2926/1389, 4-6=-3695/1822, 6-7=-4439/2001, 1-14=-315/241 TC CHORD 1:2=-435/227, 2-4=-2926/1389, 4-6=-3695/1822, 6-7=-4439/2001, 1-14=-315/241 TC HORD 1:3-14=-948/2587, 11-13=-80/441, 4-11=-1625/3860, 79=-1625/3860 EBS 2:13=-67/282, 4-13=-80/441, 4-11=-1068/2378, 6-11=-890/520, 2-14=-2661/1191, 6-9=-78/489 TES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10: Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-8-8; Exterior(2) 15-8-8 to 20-1-5, Interior(1) 20-1-5 to 34-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a 10.0 psf bottom chord ine laca more a rectangle 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to grid(ref) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 14=373, 7=491. Hanger(s) or other connection. Provide mechanical connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7.12, and 575 lb down and 322 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE (S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (pf) Vert: 1-4=-60, 4-8=-60, 7.15=-20			.C 13)					
PP CHORD 1-2=-435/227, 2-4=-2926/1389, 4-6=-3695/1822, 6-7=-4439/2001, 1-14=-315/241 DT CHORD 13-14=-948/2587, 11-13=-817/2396, 9-11=-1625/3860, 7-9=-1625/3860 ES 2-13=-67/282, 4-13=-80/441, 4-11=-1088/2378, 6-11=-890/520, 2-14=-2661/1191, 6-9=-78/489 DTES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-8-8, Exterior(2) 15-8-8 to 20-15, Interior(1) 20-1-5 to 34-4-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 14-373, 7-491. This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7.12, and 575 lb down and 3522 b up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20.								
NT CHORD 13-14=-948/2587, 11-13=-817/2396, 9-11=-1625/3860, 7-9=-1625/3860 EBS 2-13=-67/282, 4-13=-80/441, 4-11=-1088/2378, 6-11=-890/520, 2-14=-2661/1191, 6-9=-78/489 VTES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-8-8, Exterior(2) 15-8-8 to 20-1-5, Interior(1) 20-1-5 to 34-4-10 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DCL=1.60 plate grip DCL=1.60 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 10.0 psf on the bottom chord inal areas where a rectangle 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=373, 7=491. This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced Standard ANSI/TPI 1. Hange(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7.12, and 575 lb down and 322 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 <								
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TFES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 15-8-8, Exterior(2) 15-8 to 20-1-5, Interior(1) 20-1-5 to 34-4-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 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 2-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=373, 7=491. This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1. Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7-12, and 575 lb down and 322 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. ND CASE(S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20	EBS 2-13	=-67/282, 4-13=-80/441, 4-11=						
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Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 985 lb down and 552 lb up at 19-7-12, and 575 lb down and 322 lb up at 21-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). AD CASE(S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20	This truss is design		International Residential Code se	ections R502.11.1 and R8	02.10.2 a	nd		
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In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). AD CASE(S) Standard Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20	19-7-12, and 575 lb	down and 322 lb up at 21-9-4					036	22 🗿 🚦
Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20			e face of the truss are noted as fro	nt (F) or back (B).		A. 1		_ # 1
Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-60, 4-8=-60, 7-15=-20	DAD CASE(S) Stan	dard				1	S-WOR	EE SA
Vert: 1-4=-60, 4-8=-60, 7-15=-20	Dead + Roof Live (b		15, Plate Increase=1.15				10	RBESS
August 3,2021		60, 4-8=-60, 7-15=-20				1.		
							Aug	ust 3,2021

BIS Soundside Road Edenton, NC 27932

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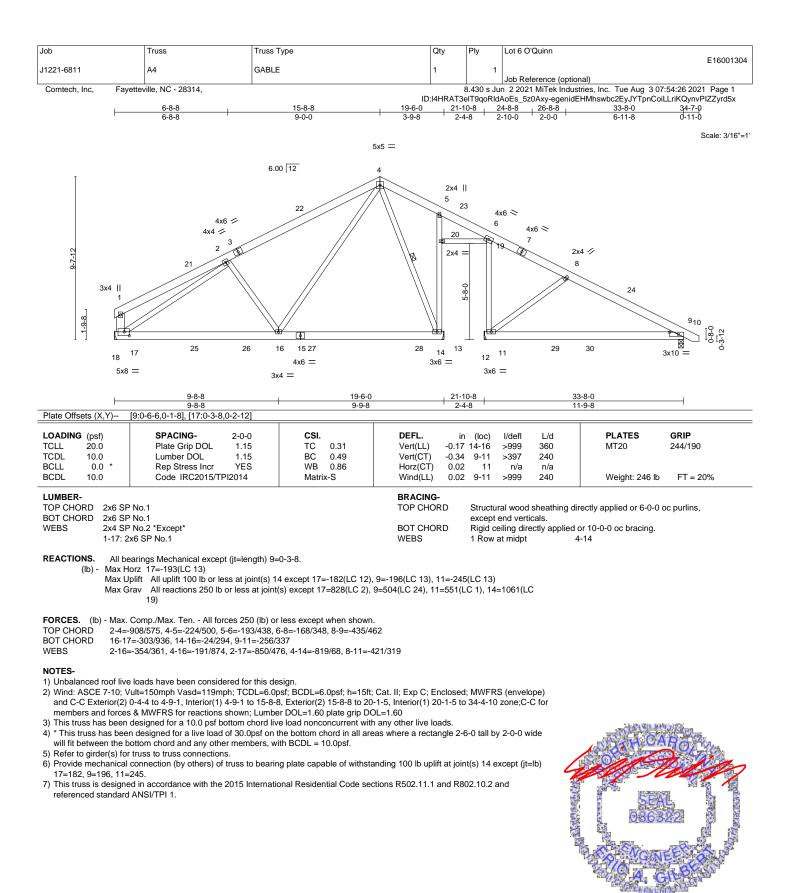
[Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
	J1221-6811	A3A	COMMON	1	1	E16001303
	31221-0011	non				Job Reference (optional)
Comtech, Inc, Fayetteville, NC - 28314, 8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:25 2021 Pa						
			ID:14	HRAT3el	F9qoRldAc	Es_5z0Axy-AT4OVHDfbOk4zST2Oc1EGZfZ5xt?zvapYFfk06yrd5y

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 11=-985(F) 24=-575(F)

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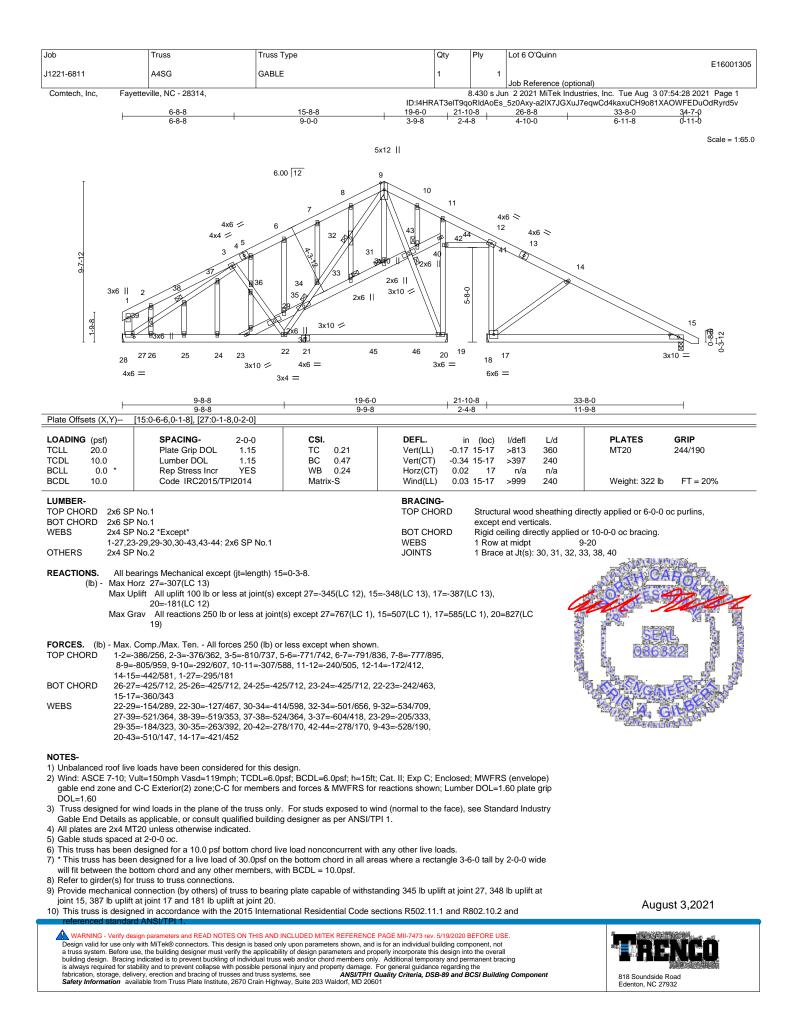


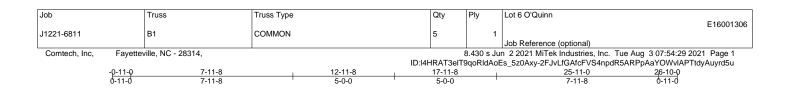


August 3,2021

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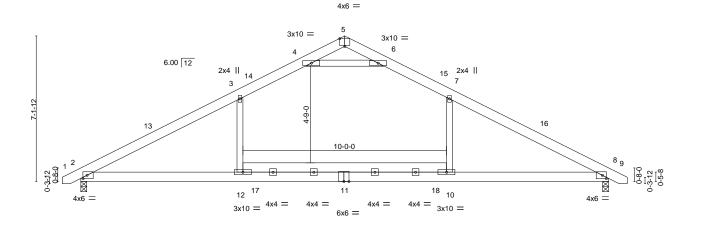


Plate Offsets (X,Y)	7-11-8 [2:0-2-6,0-2-0], [5:0-3-0,Ec	dge], [8:0-2-6,0-2-0])]	10-0-0		I		7-11-8		
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.8	Vert(LL)	-0.28	1Ò-1Ź	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.4	Vert(CT)	-0.46	10-12	>663	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.6	Horz(CT)	0.04	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI	12014	Matrix-S	Wind(LL)	0.23	2-12	>999	240	Weight: 174 lb	FT = 20%
LUMBER-				BRACING-				I		
TOP CHORD 2x6 S	SP No.1			TOP CHOR	D	Structu	ral wood :	sheathing direct	ly applied or 4-4-14	oc purlins.
BOT CHORD 2x6 \$	SP No.1			BOT CHOR	D	Rigid co	eiling dire	ctly applied or 1	0-0-0 oc bracing.	

BOT CHORD 2x6 SP No.1 2x4 SP No 2 WFBS

REACTIONS. (size) 2=0-3-8, 8=0-3-8 Max Horz 2=119(LC 11) Max Uplift 2=-203(LC 12), 8=-203(LC 13) Max Grav 2=1140(LC 2), 8=1140(LC 2)

- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-1772/588, 3-4=-1401/651, 4-5=-286/978, 5-6=-286/978, 6-7=-1401/651, 7-8=-1772/588
- BOT CHORD 2-12=-347/1438, 10-12=-350/1438, 8-10=-347/1438
- WEBS 3-12=0/497, 7-10=0/497, 4-6=-2532/1014

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 12-11-8, Exterior(2) 12-11-8 to 17-4-5, Interior(1) 17-4-5 to 26-7-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2 and 203 lb uplift at joint 8.

6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

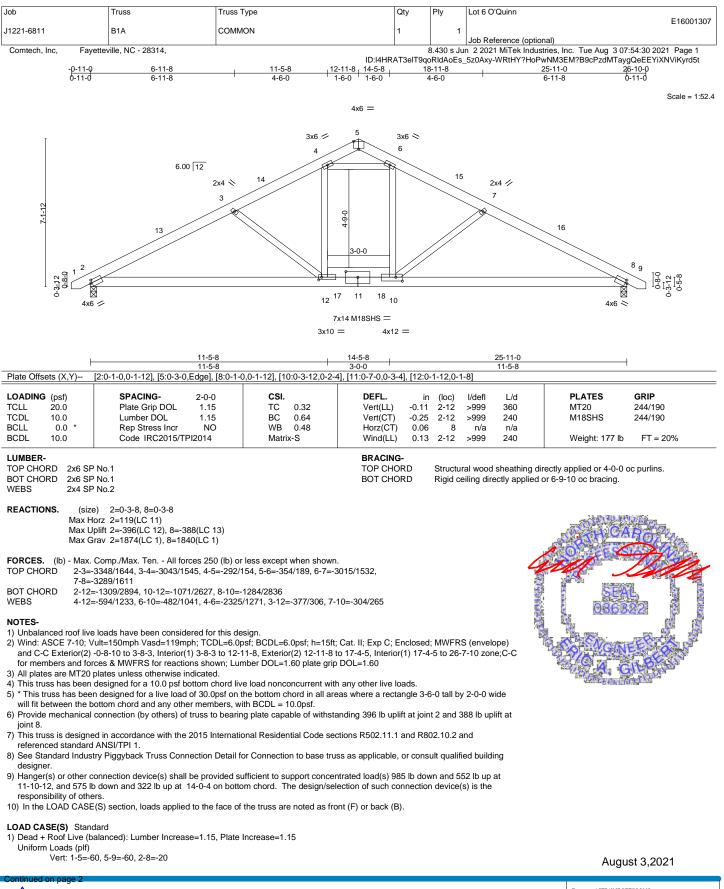


Scale = 1:53.3

August 3,2021

🛕 WARNING - Verify design pa ameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





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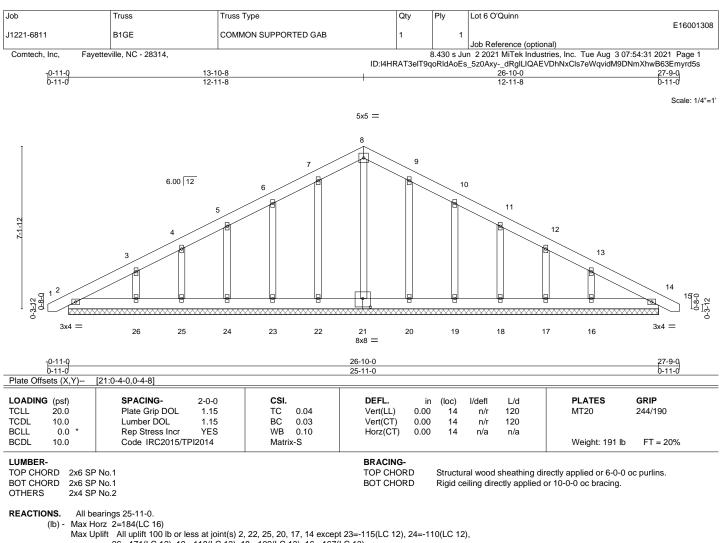
[Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
	J1221-6811	B1A	COMMON	1	1	E16001307
	51221-0011	DIA		'	'	Job Reference (optional)
	Comtech, Inc, Fayetter	ville, NC - 28314,			3.430 s Ju	n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:30 2021 Page 2
			ID:I4HR/	AT3elT9qc	RIdAoEs_	5z0Axy-WRtHY?HoPwNM3EM?B9cPzdMTaygQeEEYiXNViKyrd5t

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 17=-985(B) 18=-575(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclidal truss event and/or chord members only. Additional temporary and permanent bracing fabrication, storage, delivery, rection and bracing of trusses and truss systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





- 26=-171(LC 12), 19=-118(LC 13), 18=-109(LC 13), 16=-167(LC 13)
- Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14

TOP CHORD

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 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 2-0-0 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, 22, 25, 20, 17, 14 except (jt=lb) 23=115, 24=110, 26=171, 19=118, 18=109, 16=167.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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🗥 WARNING - Verify design p eters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 7-8=-120/304, 8-9=-120/303

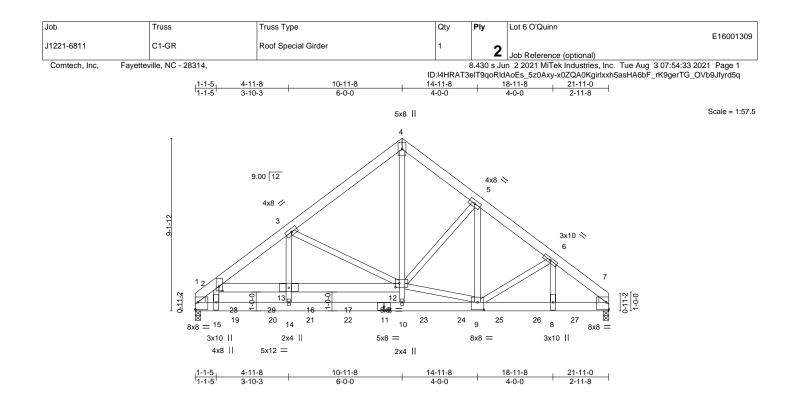


Plate Offsets (X,Y) [1:Edge,0-4-10], [2:0-2-14,0-2-4], [7:Edg	ge,0-4-10], [9:0-4-0,0-4-12], [12:0-2-8,0-2-8]								
LOADING (psf) SPACING- 2-0-0 TCLL 20.0 Plate Grip DOL 1.15 TCDL 10.0 Lumber DOL 1.15 BCLL 0.0 * Rep Stress Incr NO BCDL 10.0 Code IRC2015/TPl2014 100	CSI. DEFL. in (loc) //defl TC 0.86 Vert(LL) -0.15 12-13 >999 BC 0.73 Vert(CT) -0.31 12-13 >843 WB 0.91 Horz(CT) 0.05 7 n/a Matrix-S Wind(LL) 0.15 12-13 >999	L/d PLATES GRIP 360 MT20 244/190 240 n/a 240 Weight: 399 lb FT = 20%							
LUMBER- TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP 2400F 2.0E WEBS 2x4 SP No.2 WEDGE Left: 2x4 SP No.2 , Right: 2x4 SP No.2		heathing directly applied or 4-11-9 oc purlins. tly applied or 10-0-0 oc bracing.							
REACTIONS. (size) 1=0-3-8, 7=0-3-8 Max Horz 1=-275(LC 25) Max Uplift 1=-1263(LC 8), 7=-1390(LC 9) Max Grav 1=7583(LC 1), 7=7705(LC 2)									
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-10129/1691, 2-3=-9954/1689, 3-4=-6372/1197, 4-5=-6163/1169, 5-6=-8950/1599, 6-7=-10911/1947 BOT CHORD 12-13=-199/1348, 1-15=-1112/6124, 14-15=-1112/6124, 10-14=-1192/6650, 9-10=-1203/6789, 8-9=-1363/7919, 2-13=-266/1793 WEBS 13-14=-158/1269, 3-13=-496/3482, 3-12=-3357/714, 5-9=-681/4032, 10-12=-123/1345, 4-12=-1276/7071, 9-12=-232/708, 5-12=-3363/728, 2-15=-386/1995, 6-9=-955/322, 6-8=-446/2474									
 ply connections have been provided to distribute only loads 3) Unbalanced roof live loads have been considered for this de 4) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0p Lumber DOL=1.60 plate grip DOL=1.60 5) This truss has been designed for a 10.0 psf bottom chord liv 6) * This truss has been designed for a live load of 30.0psf on 1 will fit between the bottom chord and any other members. 7) Provide mechanical connection (by others) of truss to bearing 	0-9-0 oc. i at 0-5-0 oc. i noted as front (F) or back (B) face in the LOAD CASE(S) section. Pl noted as (F) or (B), unless otherwise indicated. sign. sigf. BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelop	ne);							
Continues of plage02		20 Later Andrew Market							
Design valid for use only with MiTek® connectors. This design is based on a truss system. Before use, the building designer must verify the applicabili	ems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Compone	ent 818 Soundside Road Edenton, NC 27932							

[Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
	J1221-6811	C1-GR	Roof Special Girder	1	_	E16001309
	J1221-0011	CI-GR	Rooi Special Glider	1	2	Job Reference (optional)
	Comtech, Inc, Fayettev	ille, NC - 28314,			3.430 s Ju	1 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:33 2021 Page 2
			ID	:I4HRAT3	elT9qoRld/	AoEs_5z0Axy-x0ZQA0Kgirlxxh5asHA6bF_rK9gerTG_OVb9Jfyrd5q

NOTES-

8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1313 lb down and 242 lb up at 2-0-12, 1318 lb down and 252 lb up at

4-0-12, 1318 lb down and 252 lb up at 6-0-12, 1318 lb down and 252 lb up at 8-0-12, 1318 lb down and 252 lb up at 10-0-12, 1505 lb down and 242 lb up at 12-0-12, 1505 lb down and 242 lb up at 12-0-12, 1505 lb down and 242 lb up at 12-0-12, and 2003 lb down and 393 lb up at 18-0-12, and 808 lb down and 202 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

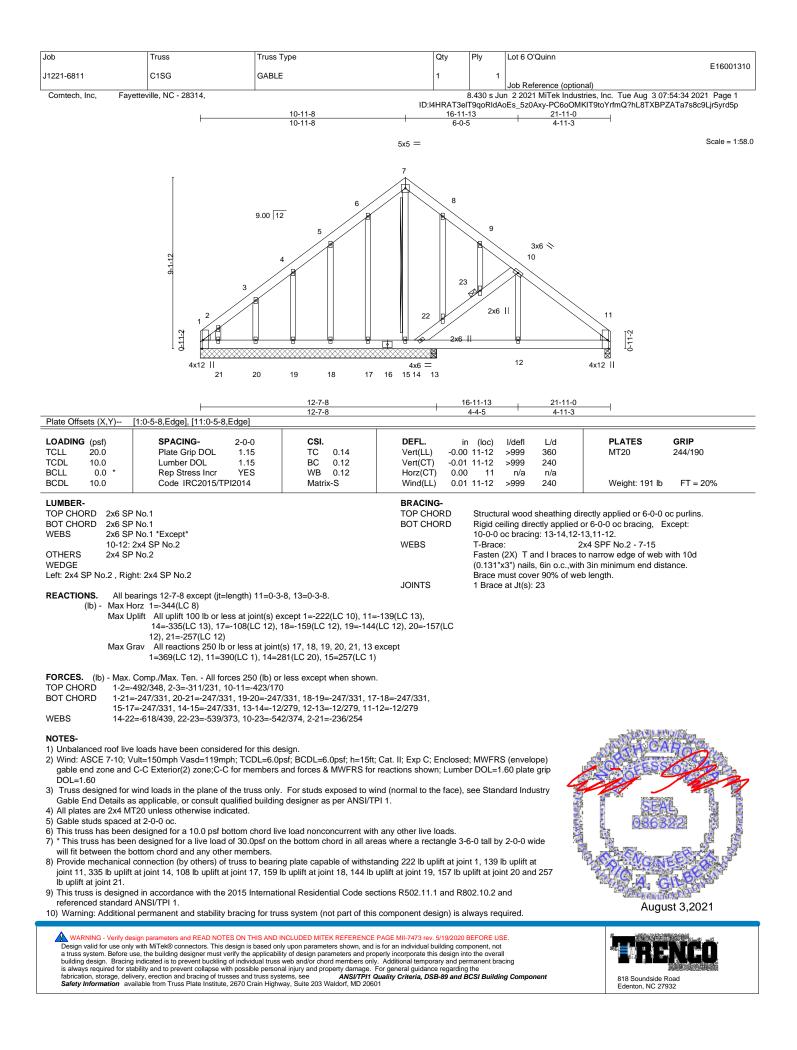
Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 12-29=-20, 1-7=-20, 2-29=-20

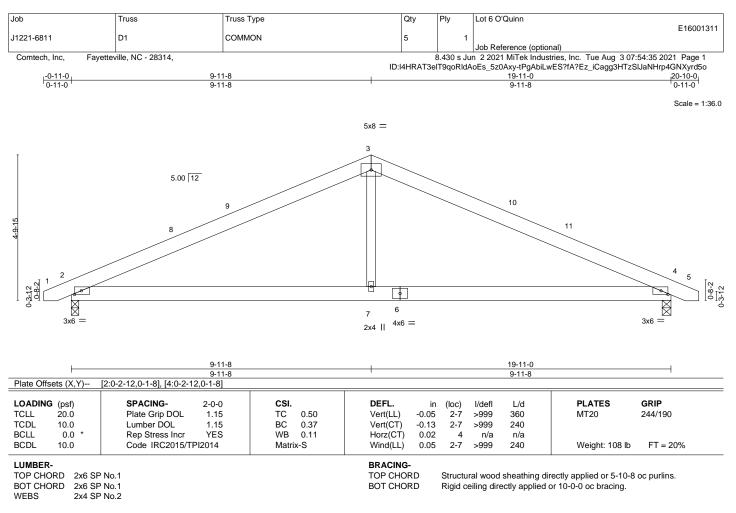
Concentrated Loads (lb)

Vert: 16=-1318(B) 17=-1318(B) 18=-1318(B) 19=-1313(B) 20=-1318(B) 23=-1313(B) 24=-1313(B) 25=-1313(B) 26=-1934(B) 27=-739(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oucling of individual truss expletens, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601







REACTIONS. (size) 4=0-3-8, 2=0-3-0 Max Horz 2=-71(LC 17) Max Uplift 4=-163(LC 13), 2=-162(LC 12) Max Grav 4=836(LC 1), 2=835(LC 1)

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

TOP CHORD 2-3=-1239/498, 3-4=-1240/498

BOT CHORD 2-7=-293/1030, 4-7=-293/1030

WEBS 3-7=0/477

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 9-11-8, Exterior(2) 9-11-8 to 14-4-5, Interior(1) 14-4-5 to 20-7-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) * 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 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 4 and 162 lb uplift at joint 2.

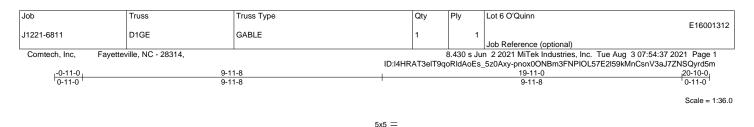
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

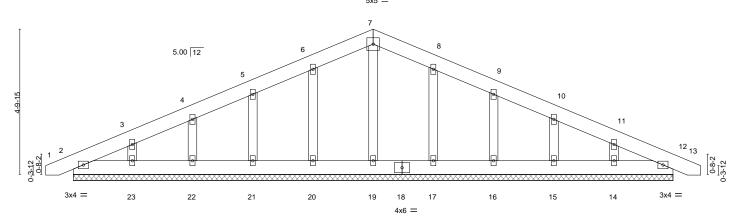


August 3,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601







						19-11-0						
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	<u>12</u>	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.01	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2	2014	Matrix	(-S	``´					Weight: 130 lb	FT = 20%

BOT CHORD

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

BOT CHORD 2x6 SP No.1 2x4 SP No.2 OTHERS

REACTIONS. All bearings 19-11-0.

Max Horz 2=-120(LC 13) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 12, 2, 20, 22, 17, 15 except 21=-102(LC 12), 23=-116(LC 12), 16=-103(LC 13), 14=-112(LC 13) Max Grav All reactions 250 lb or less at joint(s) 12, 2, 19, 20, 21, 22, 23, 17, 16, 15, 14

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

NOTES-

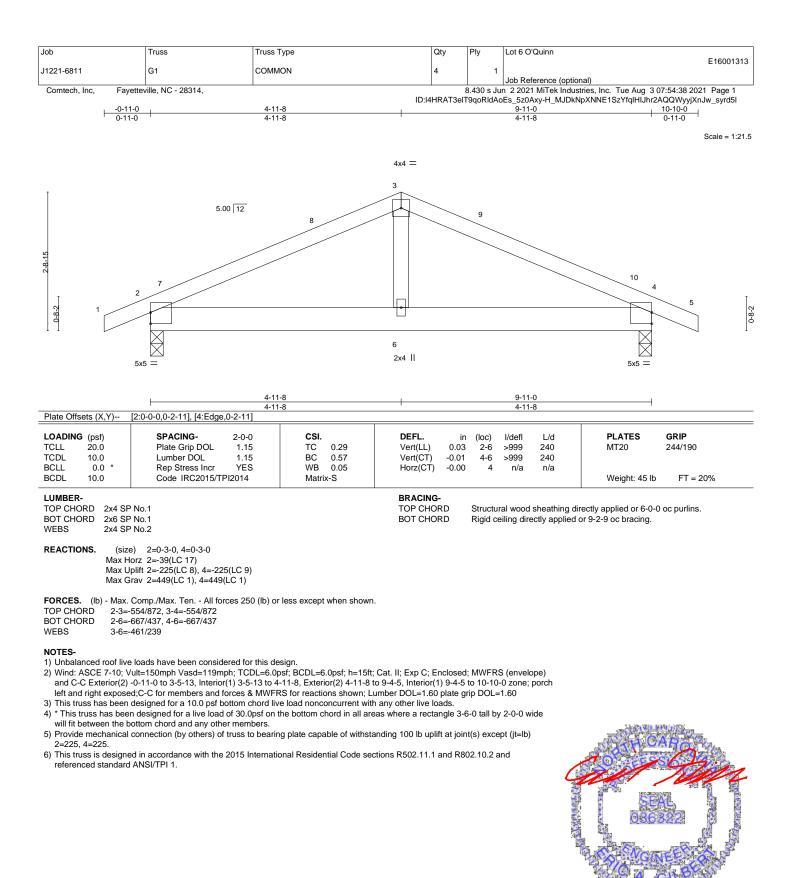
- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate 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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 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 2-0-0 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) 12, 2, 20, 22, 17, 15 except (jt=lb) 21=102, 23=116, 16=103, 14=112.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021

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August 3,2021

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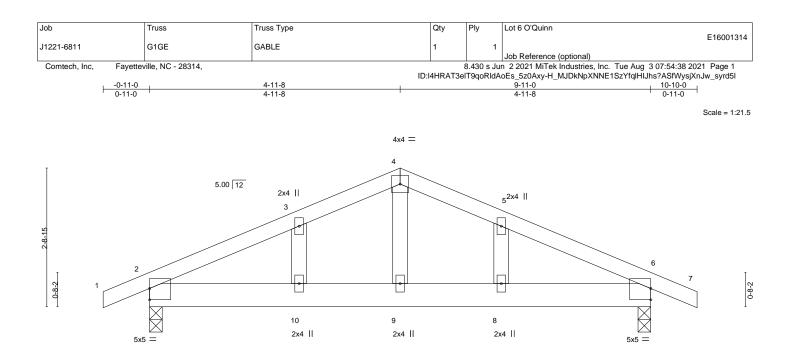


Plate Offsets (X,Y)		-11-8 -11-8		<u>9</u> -1 4-1			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	TC 0.23 BC 0.42 WB 0.06	DEFL. in Vert(LL) -0.01 Vert(CT) -0.02 Horz(CT) -0.01 Wind(LL) 0.02	(loc) l/defl 8 >999 8 >999 6 n/a 8 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 49 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x6 SF WEBS 2x4 SF OTHERS 2x4 SF	P No.1 P No.2					rectly applied or 6-0-0 or 9-1-14 oc bracing.	oc purlins.

REACTIONS. (size) 2=0-3-0, 6=0-3-0 Max Horz 2=-66(LC 13) Max Uplift 2=-297(LC 8), 6=-297(LC 9) Max Grav 2=449(LC 1), 6=449(LC 1)

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

- 2-3=-541/873, 3-4=-494/920, 4-5=-494/920, 5-6=-541/873 TOP CHORD
- 2-10=-688/437, 9-10=-688/437, 8-9=-688/437, 6-8=-688/437 BOT CHORD WEBS 4-9=-534/232

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Gable studs spaced at 2-0-0 oc.

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 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=297, 6=297.

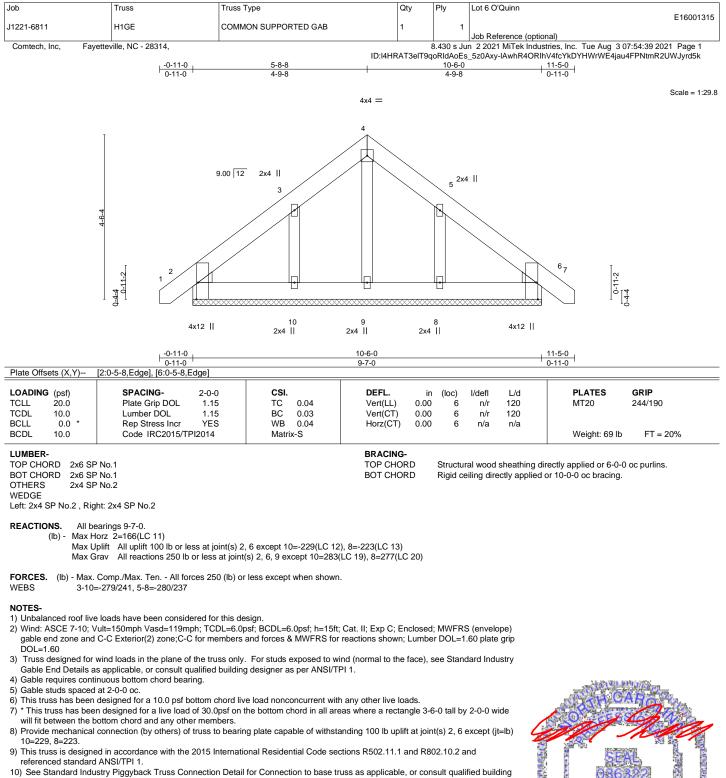
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021







designer.



🛕 WARNING - Verify design pa neters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



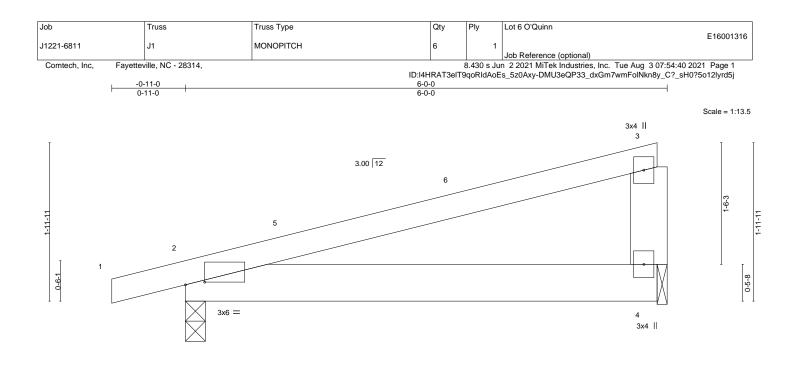


Plate Offsets (X,Y)	[2:0-2-14,0-0-6]				
OADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	n (loc) I/defl L/d	PLATES GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.45	Vert(LL) 0.04	2-4 >999 240	MT20 244/190
CDL 10.0	Lumber DOL 1.15	BC 0.18	Vert(CT) -0.03	8 2-4 >999 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00) n/a n/a	
SCDL 10.0	Code IRC2015/TPI2014	Matrix-P			Weight: 27 lb FT = 20%
UMBER- OP CHORD 2x4 SF	? No.1		BRACING- TOP CHORD	Structural wood sheathing d	irectly applied or 6-0-0 oc purlins,
OT CHORD 2x6 SF VEBS 2x6 SF			BOT CHORD	except end verticals. Rigid ceiling directly applied	or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-0, 4=0-1-8 Max Horz 2=75(LC 8) Max Uplift 2=-188(LC 8), 4=-143(LC 8) Max Grav 2=294(LC 1), 4=220(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 5-9-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=188, 4=143.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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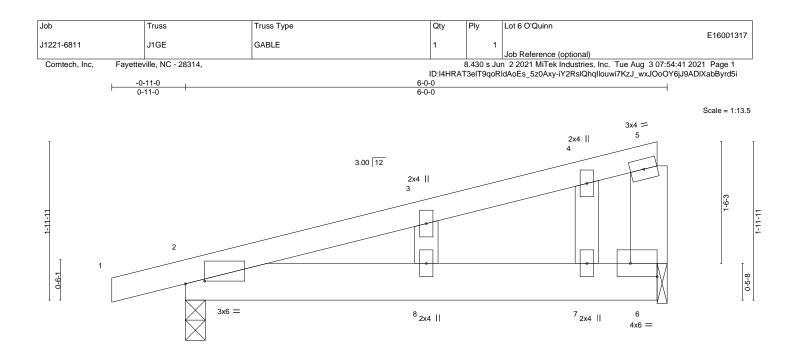


Plate Offsets (X,Y)	[2:0-2-14,0-0-6], [6:Edge,0-2-0]				
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.19 BC 0.18 WB 0.02 Matrix-S	DEFL.inVert(LL)0.04Vert(CT)-0.02Horz(CT)-0.00	(loc) l/defl L/d 8 >999 240 8 >999 240 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 29 lb FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x6 SF WEBS 2x6 SF OTHERS 2x4 SF	P No.1 P No.1			Structural wood sheathing d except end verticals. Rigid ceiling directly applied	irectly applied or 6-0-0 oc purlins, or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-0, 6=0-1-8 Max Horz 2=106(LC 8) Max Uplift 2=-259(LC 8), 6=-199(LC 8) Max Grav 2=294(LC 1), 6=220(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-8=-275/133, 7-8=-275/133, 6-7=-275/133 BOT CHORD

NOTES-

- 1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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

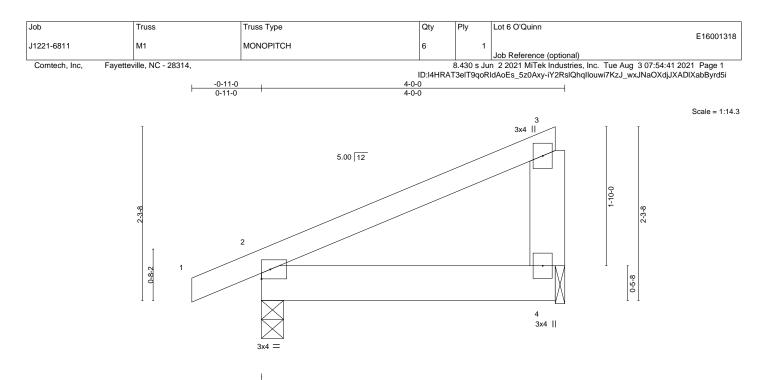
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=259. 6=199.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021

🛕 WARNING - Verify design pa ameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





LOADING (psf) TCLL 20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	CSI. TC 0.21 BC 0.21	DEFL. Vert(LL) Vert(CT)	in -0.00 -0.00	(loc) 2-4 2-4	l/defl >999 >999	L/d 360 240	-	GRIP 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.00 Matrix-P	Horz(CT) Wind(LL)	0.00 0.00	2	n/a ****	n/a 240	Weight: 20 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x6 SP No.1 2x6 SP No.1 WFBS

REACTIONS. (size) 2=0-3-8, 4=0-1-8 Max Horz 2=84(LC 12)

Max Uplift 2=-48(LC 8), 4=-52(LC 12) Max Grav 2=218(LC 1), 4=136(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



Structural wood sheathing directly applied or 4-0-0 oc purlins,

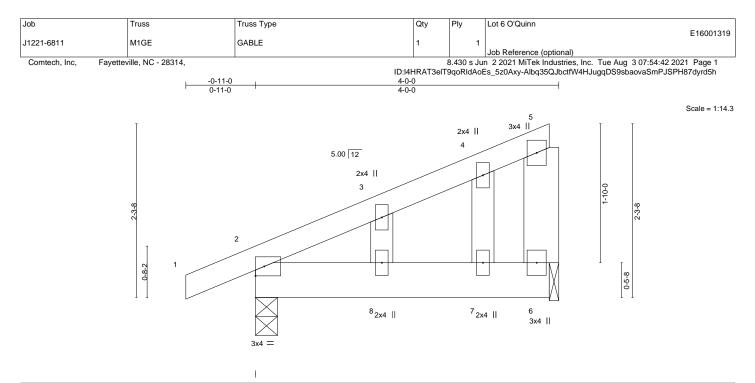
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2015/TPI2014	CSI. TC 0.06 BC 0.10 WB 0.02 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) 0.00 8 >999 240 Vert(CT) -0.00 8 >999 240 Horz(CT) -0.00 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 23 lb FT = 20%
LUMBER-			BRACING-	

LUMBER-

TOP CHORD 2x4 SP No.1 2x6 SP No.1 BOT CHORD 2x6 SP No.1 *Except* WEBS 3-8: 2x4 SP No.2 OTHERS 2x4 SP No.2

TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD

REACTIONS. (size) 2=0-3-8, 6=0-1-8 Max Horz 2=121(LC 12) Max Uplift 2=-90(LC 12), 6=-93(LC 12) Max Grav 2=218(LC 1), 6=136(LC 1)

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

NOTES-

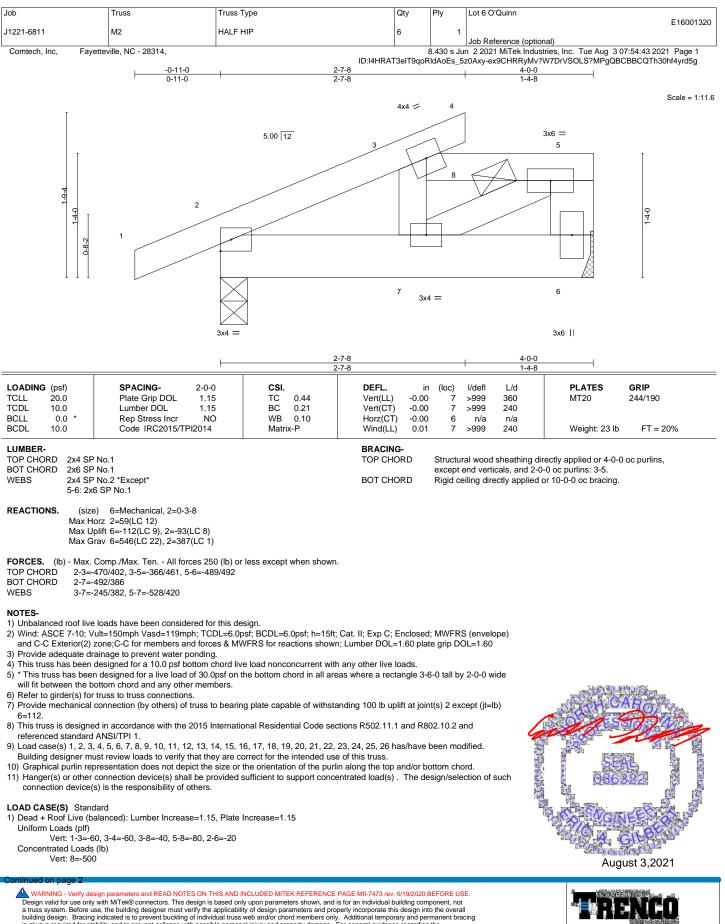
- 1) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable studs spaced at 2-0-0 oc.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6. 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



August 3,2021

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818 Soundside Road Edenton, NC 27932

Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn	
J1221-6811	M2	HALF HIP	c	1	E16	6001320
J1221-0011	1012		0	'	Job Reference (optional)	
Comtech, Inc, F	Fayetteville, NC - 28314,				n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:43 2021 Pa	

ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-ex9CHRRyMv?W7DrVSOLS?MPgQBCBBCQTh30hf4yrd5g

	ID:14HRAT36
LOAD CASE(S) Standard	
 Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) 	
Vert: 1-3=-50, 3-4=-50, 3-8=-100, 5-8=-130, 2-6=-20 Concentrated Loads (lb)	
Vert: 8=-438 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)	
Vert: 1-3=-20, 3-4=-20, 3-5=-40, 2-6=-40 Concentrated Loads (lb)	
Vert: 8–375 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf) Vert: 1-2=98, 2-3=82, 3-4=207, 3-5=67, 2-6=-12	
Horz: 1-2=-110, 2-3=-94, 3-4=-219 Concentrated Loads (Ib)	
Vert: 8=467 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf) Vert: 1-2=73, 2-3=82, 3-4=73, 3-5=67, 2-6=-12	
Horz: 1-2=-85, 2-3=-94, 3-4=-85	
Concentrated Loads (lb) Vert: 8=467	
 bead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) 	
Vert: 1-2=5, 2-3=-54, 3-4=30, 3-5=-64, 2-6=-20	
Horz: 1-2=-25, 2-3=34, 3-4=-50 Concentrated Loads (lb)	
Vert: 8=-462 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf) Vert: 1-2=-45, 2-3=-54, 3-4=-45, 3-5=-64, 2-6=-20	
Horz: 1-2=25, 2-3=34, 3-4=25 Concentrated Loads (lb)	
Vert: 8=-462	
 Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf))
Vert: 1-2=40, 2-3=20, 3-4=11, 3-5=11, 2-6=-12	
Horz: 1-2=-52, 2-3=-32, 3-4=-23 Concentrated Loads (lb)	
Vert: 8=121	20
 Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.6 Uniform Loads (plf) 	50
Vert: 1-2=11, 2-3=20, 3-4=41, 3-5=11, 2-6=-12 Horz: 1-2=-23, 2-3=-32, 3-4=-53	
Concentrated Loads (Ib)	
Vert: 8=121 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60	30
Uniform Loads (plf)	
Vert: 1-2=3, 2-3=-6, 3-4=3, 3-5=-15, 2-6=-20 Horz: 1-2=-23, 2-3=-14, 3-4=-23	
Concentrated Loads (Ib)	
Vert: 8=-306 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1	.60
Uniform Loads (plf) Vert: 1-2=3, 2-3=-6, 3-4=3, 3-5=-15, 2-6=-20	
Horz: 1-2=-23, 2-3=-14, 3-4=-23	
Concentrated Loads (lb) Vert: 8=-306	
 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Incre Uniform Loads (plf) 	ase=1.60
Vert: 1-2=22, 2-3=31, 3-4=22, 3-5=-5, 2-6=-12	
Horz: 1-2=-34, 2-3=-43, 3-4=-34 Concentrated Loads (lb)	
Vert: 8=121	
 Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Incre Uniform Loads (plf) 	ase=1.60
Vert: 1-2=6, 2-3=15, 3-4=6, 3-5=-5, 2-6=-12	
Horz: 1-2=-18, 2-3=-27, 3-4=-18 Concentrated Loads (lb)	
Vert: 8=21 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Incre	250-1 60
Uniform Loads (plf)	ast=1.00
Vert: 1-2=22, 2-3=31, 3-4=22, 3-5=-5, 2-6=-12 Horz: 1-2=-34, 2-3=-43, 3-4=-34	
Concentrated Loads (lb)	
Vert: 8=121	

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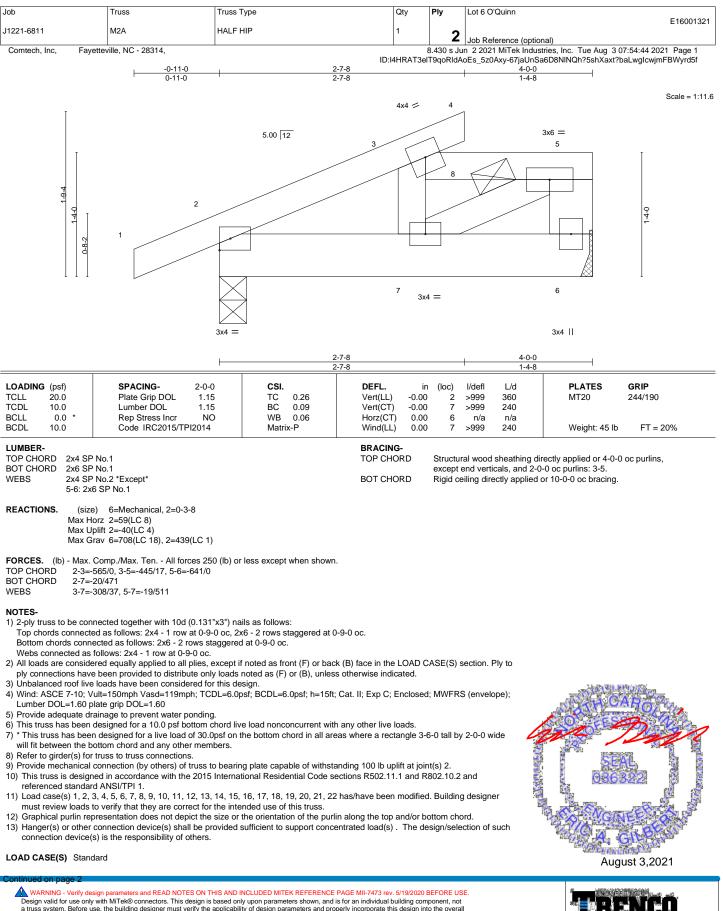
Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
J1221-6811	M2	HALF HIP	6	1	E16001320
31221-0011	IVIZ		ľ		Job Reference (optional)
Comtech, Inc, Faye	tteville, NC - 28314,			8.430 s Ju	n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:43 2021 Page 3

ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-ex9CHRRyMv?W7DrVSOLS?MPgQBCBBCQTh30hf4yrd5g

LOAD CASE(S) Standard 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=15, 3-4=6, 3-5=-5, 2-6=-12 Horz: 1-2=-18, 2-3=-27, 3-4=-18 Concentrated Loads (lb) Vert: 8=21 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=14, 2-3=5, 3-4=14, 3-5=-31, 2-6=-20 Horz: 1-2=-34, 2-3=-25, 3-4=-34 Concentrated Loads (lb) Vert: 8=-306 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-2, 2-3=-11, 3-4=-2, 3-5=-31, 2-6=-20 Horz: 1-2=-18, 2-3=-9, 3-4=-18 Concentrated Loads (lb) Vert: 8=-306 18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 3-5=-120, 2-6=-20 Concentrated Loads (lb) Vert: 8=-250 19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-33, 2-3=-40, 3-4=-33, 3-8=-81, 5-8=-111, 2-6=-20 Horz: 1-2=-17, 2-3=-10, 3-4=-17 Concentrated Loads (lb) Vert: 8=-480 20) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-33, 2-3=-39, 3-4=-33, 3-8=-81, 5-8=-111, 2-6=-20 Horz: 1-2=-17, 2-3=-11, 3-4=-17 Concentrated Loads (lb) Vert: 8=-480 21) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-24, 2-3=-31, 3-4=-24, 3-8=-93, 5-8=-123, 2-6=-20 Horz: 1-2=-26, 2-3=-19, 3-4=-26 Concentrated Loads (lb) Vert: 8=-480 22) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-36, 2-3=-43, 3-4=-36, 3-8=-93, 5-8=-123, 2-6=-20 Horz: 1-2=-14, 2-3=-7, 3-4=-14 Concentrated Loads (lb) Vert: 8=-480 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 3-8=-40, 5-8=-80, 2-6=-20 Concentrated Loads (lb) Vert: 8=-500 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 3-8=-40, 5-8=-80, 2-6=-20 Concentrated Loads (lb) Vert: 8=-500 25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-50, 3-4=-50, 3-8=-100, 5-8=-130, 2-6=-20 Concentrated Loads (lb) Vert: 8=-438 26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 3-8=-100, 5-8=-130, 2-6=-20 Concentrated Loads (lb) Vert: 8=-438

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Job		Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
						E16001321
J1221-6	6811	M2A	HALF HIP	1	2	
					-	Job Reference (optional)
Comte	ech, Inc, Fayette	/ille, NC - 28314,			8.430 s Ju	n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:44 2021 Page 2

8.430 s Jun 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:44 2021 Page 2 ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-67jaUnSa6D8NINQh?5shXaxt?baLwglcwjmFBWyrd5f

Vert: 1-3=-60, 3-4=-60, 3-8=-160, 5-8=-200, 2-6=-20 Concentrated Loads (lb) Vert: 8=-500 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-50, 3-4=-50, 3-8=-220, 5-8=-250, 2-6=-20 Concentrated Loads (lb) Vert: 8=-438 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 3-5=-160, 2-6=-40 Concentrated Loads (lb) Vert: 8=-375 4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=40, 2-3=20, 3-4=11, 3-5=-109, 2-6=-12 Horz: 1-2=-52, 2-3=-32, 3-4=-23 Concentrated Loads (lb) Vert: 8=121 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=11, 2-3=20, 3-4=41, 3-5=-109, 2-6=-12 Horz: 1-2=-23, 2-3=-32, 3-4=-53 Concentrated Loads (lb) Vert: 8=121 6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=3, 2-3=-6, 3-4=3, 3-5=-135, 2-6=-20 Horz: 1-2=-23, 2-3=-14, 3-4=-23 Concentrated Loads (lb) Vert: 8=-306 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=3, 2-3=-6, 3-4=3, 3-5=-135, 2-6=-20 Horz: 1-2=-23, 2-3=-14, 3-4=-23 Concentrated Loads (lb) Vert: 8=-306 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=22, 2-3=31, 3-4=22, 3-5=-125, 2-6=-12 Horz: 1-2=-34, 2-3=-43, 3-4=-34 Concentrated Loads (lb) Vert: 8=121 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=15, 3-4=6, 3-5=-125, 2-6=-12 Horz: 1-2=-18, 2-3=-27, 3-4=-18 Concentrated Loads (lb) Vert: 8=21 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=22, 2-3=31, 3-4=22, 3-5=-125, 2-6=-12 Horz: 1-2=-34, 2-3=-43, 3-4=-34 Concentrated Loads (lb) Vert: 8=121 11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=15, 3-4=6, 3-5=-125, 2-6=-12 Horz: 1-2=-18, 2-3=-27, 3-4=-18 Concentrated Loads (lb) Vert: 8=21 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=14, 2-3=5, 3-4=14, 3-5=-151, 2-6=-20 Horz: 1-2=-34, 2-3=-25, 3-4=-34 Concentrated Loads (lb) Vert: 8=-306 13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-2, 2-3=-11, 3-4=-2, 3-5=-151, 2-6=-20 Horz: 1-2=-18, 2-3=-9, 3-4=-18 Concentrated Loads (lb) Vert: 8=-306

LOAD CASE(S) Standard

Uniform Loads (plf)

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design in the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



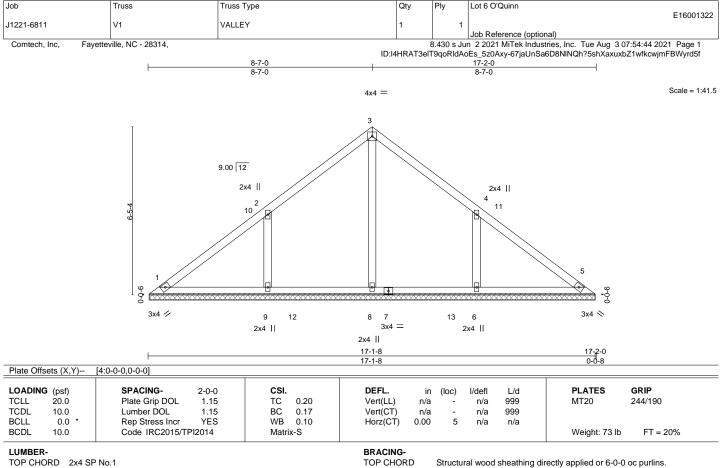
Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
					E16001321
J1221-6811	M2A	HALF HIP	1	2	
				-	Job Reference (optional)
Comtech, Inc, Fayetteville, NC - 28314,				8.430 s Ju	n 2 2021 MiTek Industries, Inc. Tue Aug 3 07:54:44 2021 Page 3

0.430 S JULE 2 2221 MITEK INDUSTIES, INC. TUE AUG 3 07:54:44 2021 Page 3 ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-67jaUnSa6D8NINQh?5shXaxt?baLwglcwjmFBWyrd5f

LO	AD CASE(S) Standard
	Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
	Uniform Loads (plf)
	Vert: 1-3=-20, 3-4=-20, 3-5=-240, 2-6=-20
	Concentrated Loads (lb)
	Vert: 8=-250
15)	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-2=-33, 2-3=-40, 3-4=-33, 3-8=-201, 5-8=-231, 2-6=-20
	Horz: 1-2=-17, 2-3=-10, 3-4=-17
	Concentrated Loads (Ib)
	Vert: 8=-480
16)	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
	Uniform Loads (plf)
	Vert: 1-2=-33, 2-3=-39, 3-4=-33, 3-8=-201, 5-8=-231, 2-6=-20
	Horz: 1-2=-17, 2-3=-11, 3-4=-17
	Concentrated Loads (b)
17)	Vert: 8=-480 Dead - 0.2 East live (be) > 0.25 Attis Flags - 0.25(0.6 MWERS Wind (blags lat) 4st Barellah) - umber lagrages - 1.60. Plate bareage - 1.60
17)	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)
	Vent: 1-2=-24, 2-3=-31, 3-4=-24, 3-8=-213, 5-8=-243, 2-6=-20
	Horz: 1-2-26, 2-3-19, 3-4-26
	Concentrated Loads (lb)
	Vert: 8=-480
18)	Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
-,	Uniform Loads (plf)
	Vert: 1-2=-36, 2-3=-43, 3-4=-36, 3-8=-213, 5-8=-243, 2-6=-20
	Horz: 1-2=-14, 2-3=-7, 3-4=-14
	Concentrated Loads (Ib)
	Vert: 8=-480
19)) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-3=-60, 3-4=-60, 3-8=-160, 5-8=-200, 2-6=-20
	Concentrated Loads (lb)
	Vert: 8=-500
20)	2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (plf)
	Vert: 1-3=-20, 3-4=-20, 3-8=-160, 5-8=-200, 2-6=-20 Concentrated Loads (lb)
	Vert 8=-500
21)	3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
21)	Uniform Loads (pf)
	Vert: 1-3=-50, 3-4=-50, 3-8=-220, 5-8=-250, 2-6=-20
	Concentrated Loads (lb)
	Vert: 8=-438
22)) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
,	Uniform Loads (plf)
	Vert: 1-3=-20, 3-4=-20, 3-8=-220, 5-8=-250, 2-6=-20
	Concentrated Loads (lb)
	Vert: 8=-438

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent ouclidal truss event and/or chord members only. Additional temporary and permanent bracing fabrication, storage, delivery, rection and bracing of trusses and truss systems, see **ANSUTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





BOT CHORD

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

2x4 SP No.1 2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

🛕 WARNING - Verify design pa

REACTIONS. All bearings 17-1-0.

(lb) - Max Horz 1=195(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-218(LC 12), 6=-218(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=418(LC 19), 9=496(LC 19), 6=496(LC 20)

WEBS 2-9=-455/344, 4-6=-455/345

NOTES-

1) Unbalanced roof live loads have been considered for this design.

 Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0ps; BCDL=6.0ps; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-7-0, Interior(1) 4-7-0 to 8-7-0, Exterior(2) 8-7-0 to 12-11-13, Interior(1) 12-11-13 to 16-8-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 9=218. 6=218.

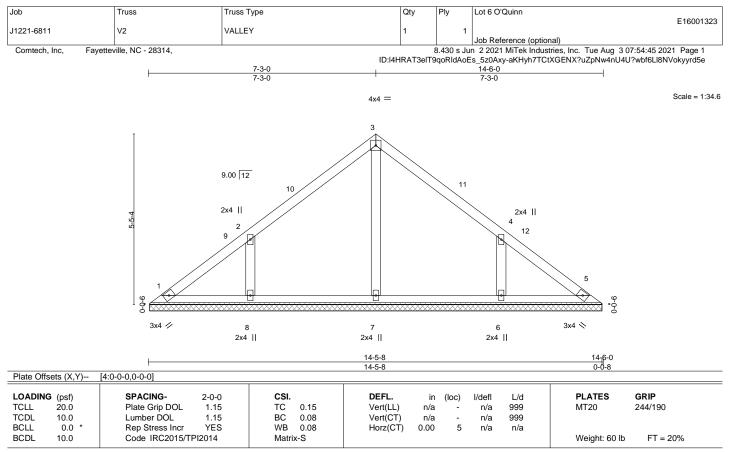
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



neters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 August 3,2021



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



BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

REACTIONS. All bearings 14-5-0.

(lb) - Max Horz 1=163(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-184(LC 12), 6=-184(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=375(LC 19), 6=375(LC 20)

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

WEBS 2-8=-388/310, 4-6=-388/310

NOTES-

1) Unbalanced roof live loads have been considered for this design.

 Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0ps; b=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 7-3-0, Exterior(2) 7-3-0 to 11-7-13, Interior(1) 11-7-13 to 14-0-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

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 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=184, 6=184,

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



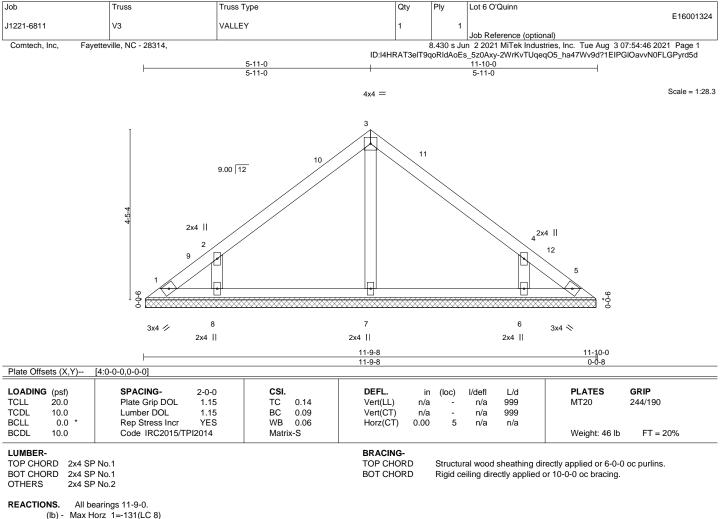
Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

August 3,2021

🛕 WARNING - Verify design pa neters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLODED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/LTP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-172(LC 12), 6=-171(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=253(LC 1), 8=343(LC 19), 6=342(LC 20)

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-5-5 to 4-10-1, Interior(1) 4-10-1 to 5-11-0, Exterior(2) 5-11-0 to 10-3-13, Interior(1) 10-3-13 to 11-4-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

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 2-0-0 wide will fit between the bottom chord and any other members.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=172.6=171.

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

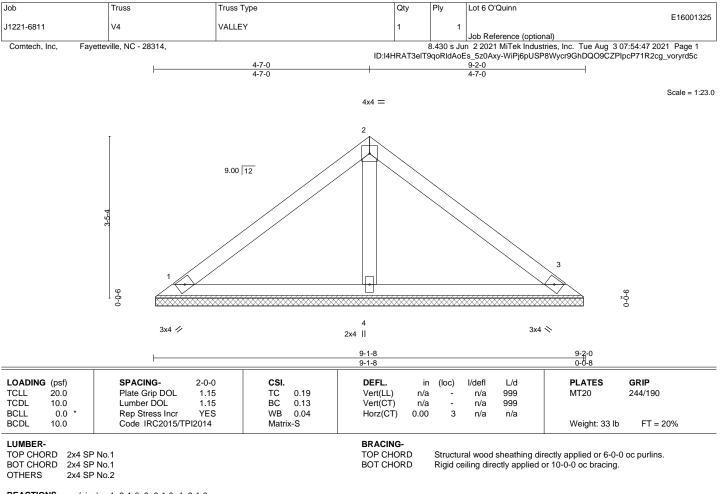


August 3,2021

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FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 2-8=-372/316, 4-6=-372/316



REACTIONS. (size) 1=9-1-0, 3=9-1-0, 4=9-1-0

Max Horz 1=99(LC 11)

Max Uplift 1=-42(LC 12), 3=-52(LC 13), 4=-24(LC 12) Max Grav 1=171(LC 1), 3=172(LC 20), 4=321(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

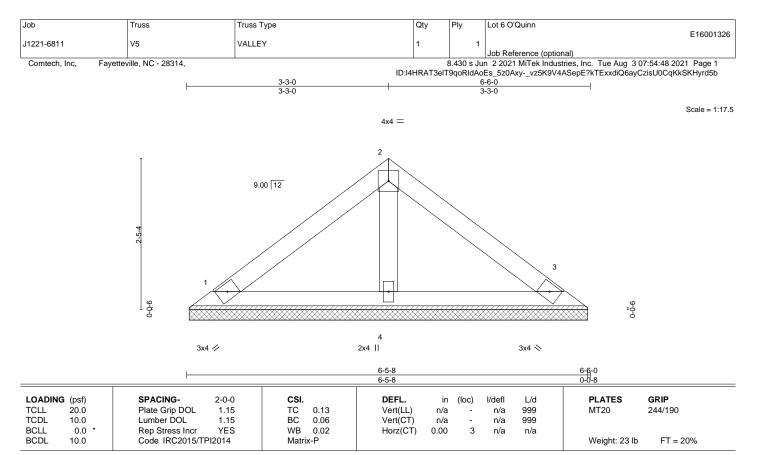
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Gable requires continuous bottom chord bearing.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4. 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1.



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BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

REACTIONS. (size) 1=6-5-0, 3=6-5-0, 4=6-5-0

Max Horz 1=-67(LC 8)

Max Uplift 1=-37(LC 12), 3=-44(LC 13)

Max Grav 1=126(LC 1), 3=126(LC 1), 4=197(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Gable requires continuous bottom chord bearing.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



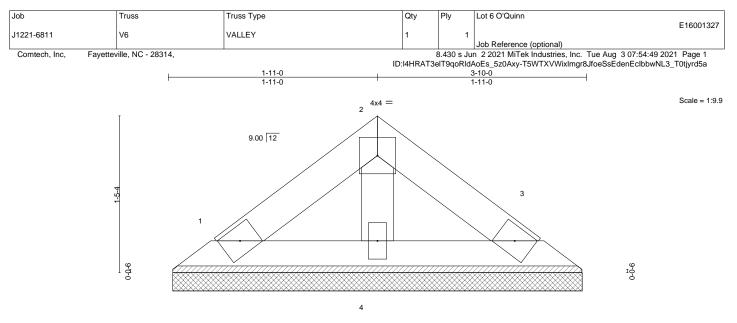
Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

August 3,2021

MARNING - Verify design pa ameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLUDED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





3x4 🥢

2x4 ||

3x4 📎

Structural wood sheathing directly applied or 3-10-0 oc purlins.

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

			3-9-8 3-9-8					3-10-0 0-0-8	
LOADING (psf) TCLL 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 0.03 BC 0.02 WB 0.01	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	BRACING-					Weight: 12 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 2x4 SP No.1 BOT CHORD 2x4 SP No.2 OTHERS

REACTIONS. (size) 1=3-9-0, 3=3-9-0, 4=3-9-0

Max Horz 1=-35(LC 8)

Max Uplift 1=-20(LC 12), 3=-23(LC 13)

Max Grav 1=66(LC 1), 3=66(LC 1), 4=104(LC 1)

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

NOTES-

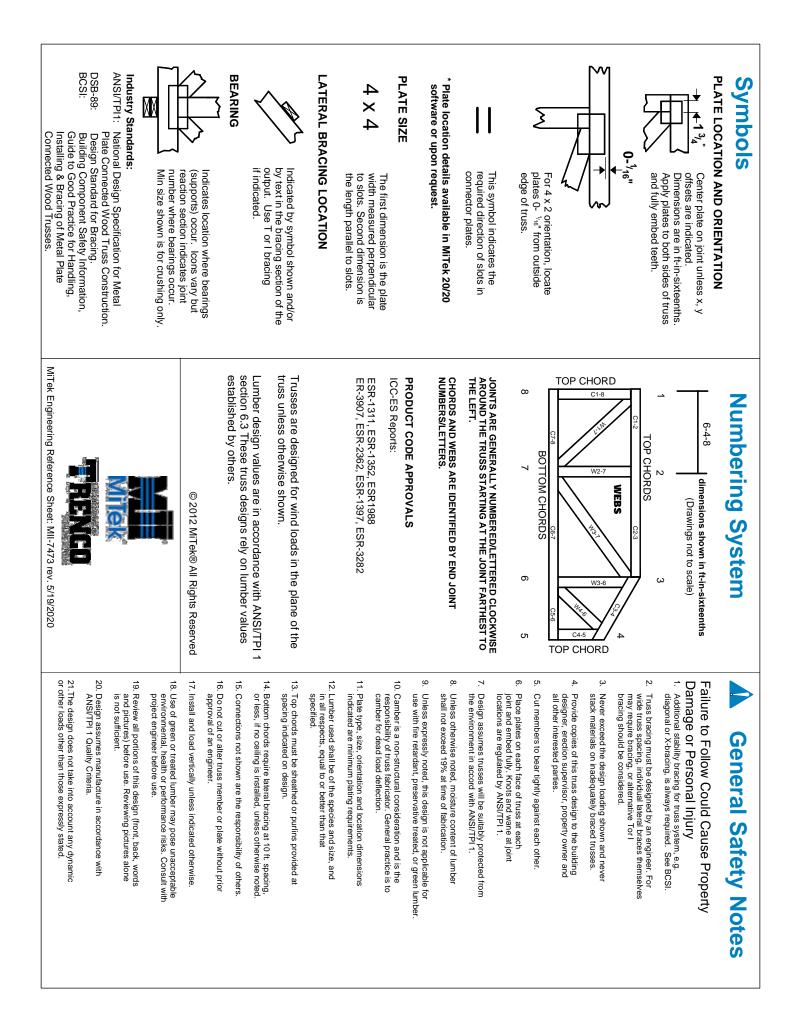
1) Unbalanced roof live loads have been considered for this design.

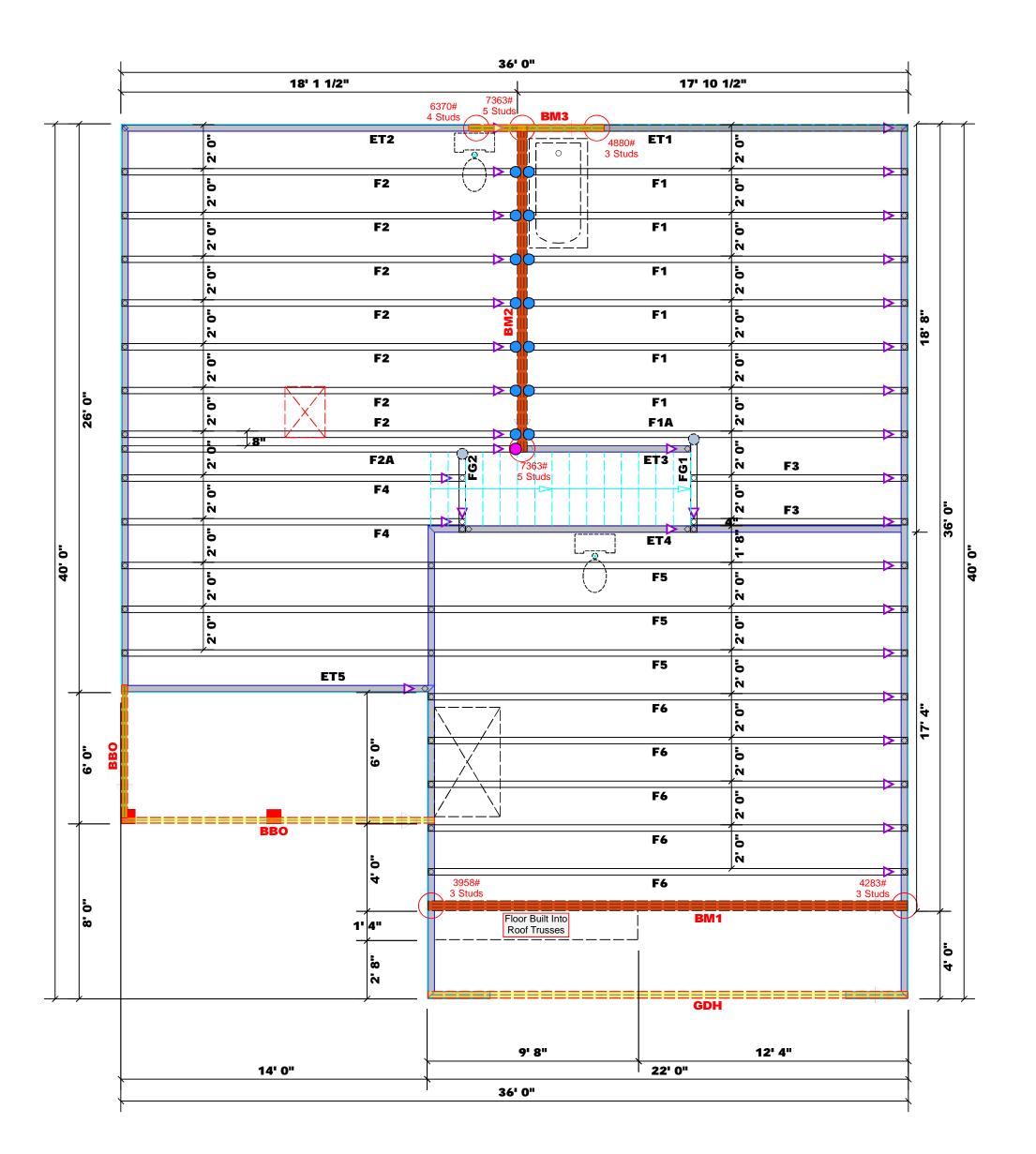
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Gable requires continuous bottom chord bearing.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



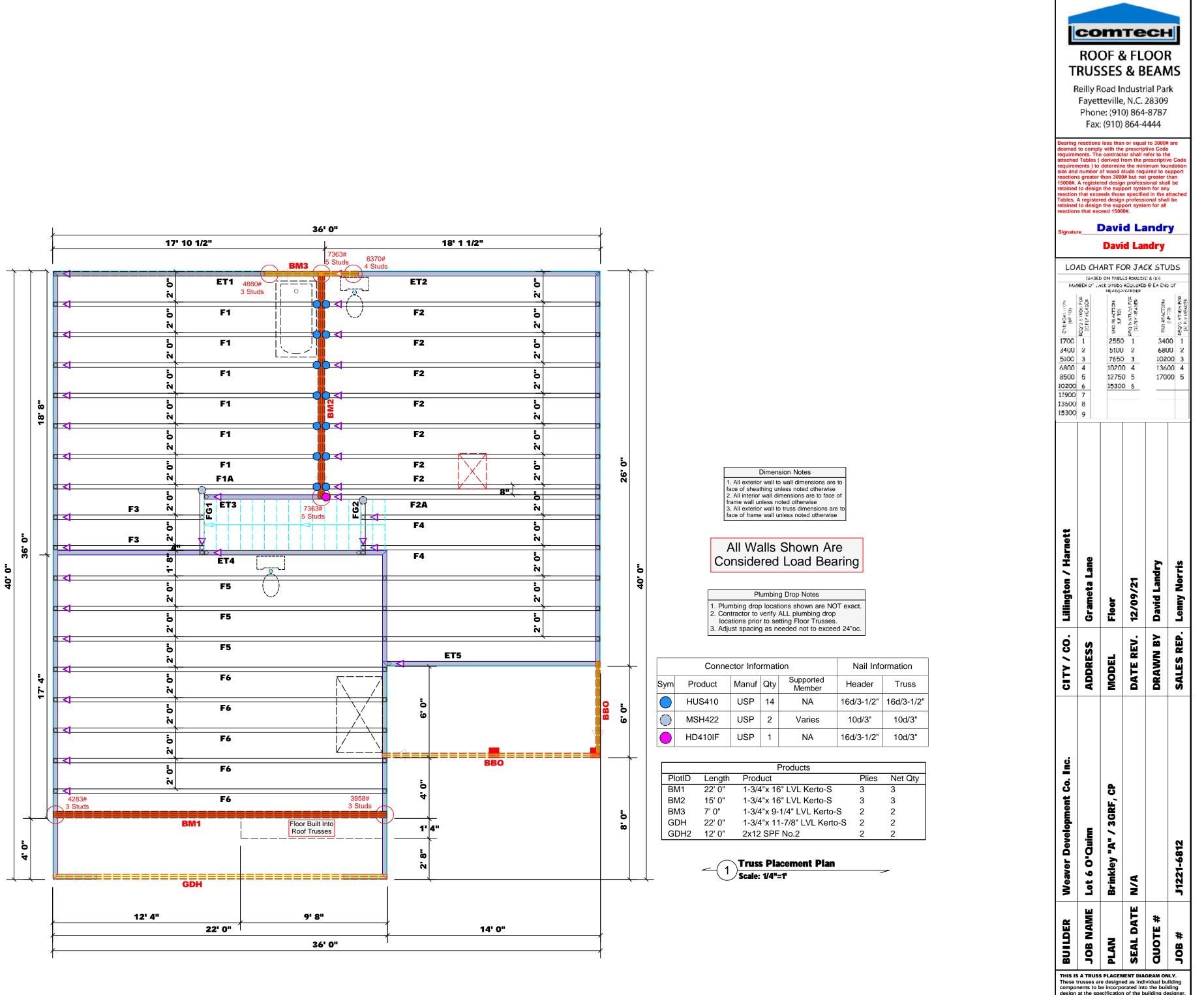




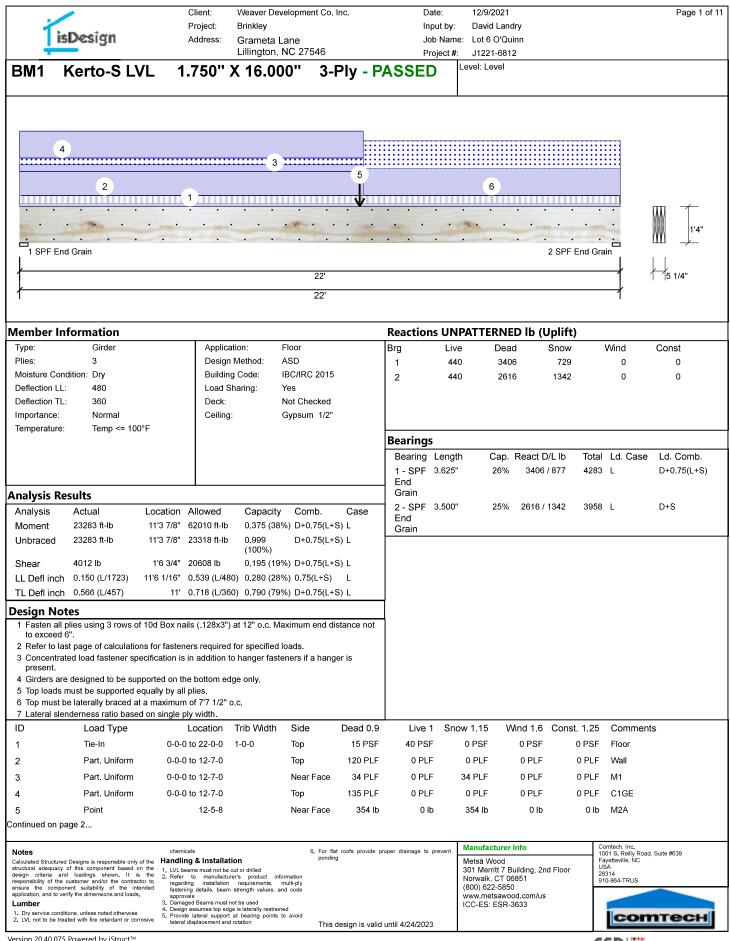


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or all	em for all	n profess port syste 00#. d La	the supplementation the supplementation the supplementation of the s	to design that exc	retained	1							
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	DRAWN BY David Landry		MODEL Floor				er Trus	e of re to re arin OT ex- p s. ed 24 	wall dimensions ar iless noted otherwise bited otherwise of truss dimensions a nless noted otherwise Shown A Load Bea g Drop Notes ons shown are N ALL plumbing dro thing Floor Trusse beded not to exce on Supported	thing un r wall dir nless no r wall to e wall ur alls ered lumbing p location verify A r to set g as ne prmation	All exterio ace of shea All interior ame wall un ace of frame All Wa nside	fa 2. frr 3. fa COI 1. Plur 2. Cont loca 3. Adju Connec	Н
		REV.		Grameta	/ 60.		er Trus /2" 16d/3- ⁻ " 10d/3	e of re to re arin OT ex- p s. ed 24 	o wall dimensions ar iless noted otherwise mensions are to face oted otherwise of truss dimensions a nless noted otherwise Shown A Load Bes ons shown are N ALL plumbing dro thing Floor Trusse beded not to exce on Supported Member NA	thing un r wall dir nless no r wall to e wall ur alls red umbing p locatio verify A r to set g as ne ormatio Qty 14	All exterio ace of shea All interior ame wall un ace of frame All Wa nside Pl mbing drop tractor to ations prio ust spacing ctor Info Manuf USP	fa 2. fr 3. fa COI 1. Plur 2. Cont loca 3. Adju Connec oduct JS410	H M
		REV.		Grameta	/ 60.		er Trus /2" 16d/3- ⁻ " 10d/3	e o of re to se re arin OT ex ps. ed 24 H 16 16 16 16 16 16 16 16 16 16	A wall dimensions ar iless noted otherwise bed otherwise or russ dimensions ar anless noted otherwise Shown A Load Bea Drop Notes ons shown are N ALL plumbing dro ting Floor Trusse beded not to excee on Supported Member NA Varies NA Products "LVL Kerto-S "LVL Ke	thing un r wall dir nless no e wall ur alls red umbing p locatio verify A r to set g as ne ormatic Qty 14 2 1 F luct 4"x 16 4"x 9-1 2 SPF	All exterior acce of shea All interior arme wall un acce of frame All Wa nside Pl mbing drop tractor to ations prior ust spacing ctor Info Manuf USP USP USP USP 1-3/4 1-3/4 1-3/4 2x12	fa 2. frr 3. fa COI 1. Plur 2. Cont loca 3. Adju Connect oduct JS410 SH422	H M

(Reference Engineered Truss Drawing) Do NOT Erect Truss Backwards Do NOT Erect Truss Backwards



Indicates Left End of Truss (Reference Engineered Truss Drawing) Do NOT Erect Truss Backwards THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com



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	/	Client: Weaver Developm	ent Co. Inc. Date:	12/9/2021	Page 2 of 11
- 4		Project: Brinkley	Input by	David Landry	
	isDesign	Address: Grameta Lane		ne: Lot 6 O'Quinn	
		Lillington, NC 2			
BM1	Kerto-S LVL	1.750" X 16.000"	3-Ply - PASSED	Level: Level	
	4				
		3	5		
	2			6	
		1			
	• • • •	• • • • • •	• • • • • •	· · · · · · ·	· W 1
· ·	Caller .				1'4"
	End Grain			2 SPF End Gr	
1			22'		5 1/4"
/			22'		\rightarrow
Continued	from page 1				
ID	Load Type	Location Trib Width Side	e Dead 0.9 Live 1 Sr	low 1.15 Wind 1.6 Const. 1.25	Comments
6	Part. Uniform		r Face 137 PLF 0 PLF	137 PLF 0 PLF 0 PLF	
	Self Weight		19 PLF		
	oon weight				
				ı	
Notes		chemicals	6. For flat roofs provide proper drainage to prevent ponding	Manufacturer Info	Comtech, Inc. 1001 S. Reilly Road, Suite #639
structural adequ	uacy of this component based on the	 LVL beams must not be cut or drilled 	ponung	Metsä Wood	Fayetteville, NC JSA
responsibility of	and loadings shown. It is the f the customer and/or the contractor to proposent suitability of the intended	 Refer to manufacturer's product information regarding installation requirements, multi-ply 			28314 910-864-TRUS
application, and	omponent suitability of the intended to verify the dimensions and loads.	fastening details, beam strength values, and code approvals		www.metsawood.com/us	
Lumber 1. Dry service of	conditions, unless noted otherwise	 Damaged Beams must not be used Design assumes top edge is laterally restrained Provide lateral support at bearing points to avoid 		ICC-ES: ESR-3633	COMTROUT
2. LVL not to b	be treated with fire retardant or corrosive	ateral displacement and rotation	This design is valid until 4/24/2023		соттесн
Version 20.40	.075 Powered by iStruct™				SD 88

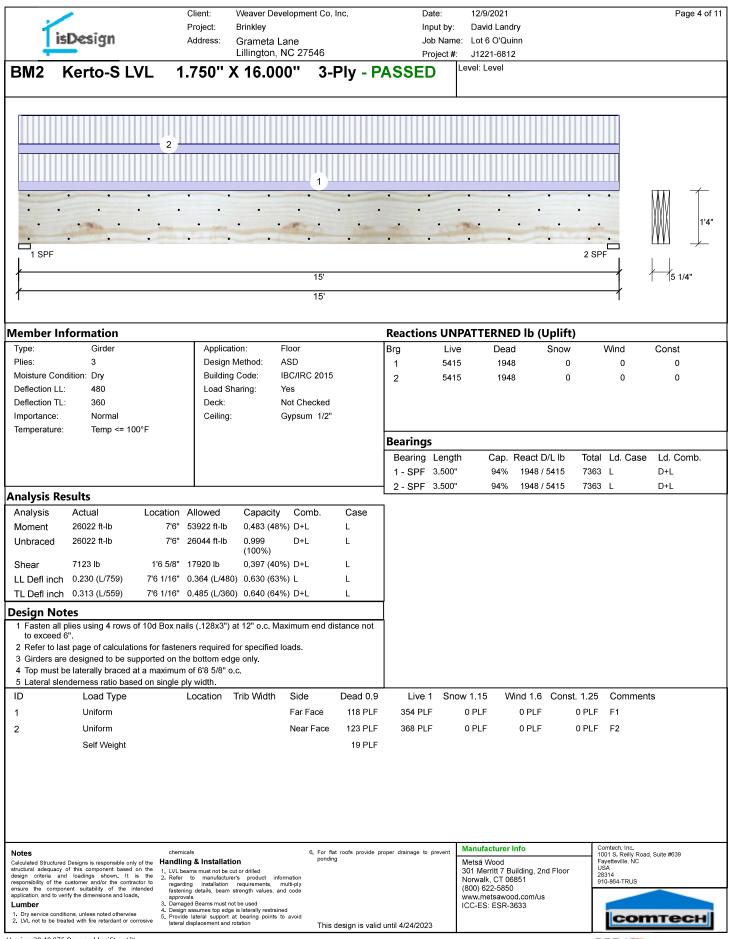
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-	Client:	Weaver Development Co. Inc.	Date:	12/9/2021	Page 3 of 11
		Brinkley	Input by:	David Landry	. 490 0 0
isDesign	•	Grameta Lane		: Lot 6 O'Quinn	
150 651311		Lillington, NC 27546	Project #:	J1221-6812	
-		=			
BM1 Kerto-S L	_VL 1.750"X	(16.000" 3-Ply - F	PASSED	evel: Level	
		-			
		1			
		1			
• • • •	• • • • •	· · · · · · • •	• • • •	• • • • •	
					· · · · · · · · · · · · · · · · · · ·
1 SPF End Grain				2 SPF End 0	Grain
l					I .
ŕ		22'			5 1/4"
<u>/</u>		22'			
I		22			I
Multi-Ply Analysis					
		128x3") at 12" o.c except for	r regions covered	l by concentrated load fast	ening.
Nail from both sides. Ma	ximum end distance r	not to exceed 6"			
Capacity	64.7 %				
Load	182.7 PLF				
Yield Limit per Foot	282.4 PLF				
Yield Limit per Fastener	94.1 lb.				
Yield Mode	IV 1.1/0"				
Edge Distance Min. End Distance	1 1/2" 3"				
Load Combination	D+S				
Duration Factor	1.15				
Concentrated Load					
Fasten at concentrated si					
minimum of (6) – 10d Bo					
pattern shown. Repeat fa	steners on both sides	. Min/Max faster	ner distances for	Concentrated Side Loads	5
Capacity	83.6 %	⊬Min. 3	"-+ ++	Min. 1 1/4"	
Load	472.0lb.				
Total Yield Limit	564.7 lb.	4 4 400			
Cg	0.9998	1 1/2"			
Yield Limit per Fastener	94.1 lb.		Min. 1 1/4"	0\/0	
Yield Mode Load Combination	IV D+S	10000	· · · · ·	• V •	
Duration Factor	1.15	Min. 3"		0 X 0	
	1.10		- Min. 5"	° /\ °	
				o°/\°o	
		2- 1 0-1	• •		• •
				Min. 3"	
			Max. 12	2" Max. 12	2"+

Version 20.40.075 Devesed by Chrystill				
ensure the component suitability of the intended application, and to verify the dimensions and loads. Lumber 1. Dry service conditions, unless noted otherwise 2. LVL not to be treated with fire retardant or corrosive	fastening details, beam strength values, and code approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to avoid lateral displacement and rotation	This design is valid until 4/24/2023	(800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633	соттесн
Notes Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to	1 IVI beams must not be cut or drilled	 For flat roofs provide proper drainage to prevent ponding 	Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851	1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS
			Manufacturer Info	Comtech, Inc.

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CSD 🗱



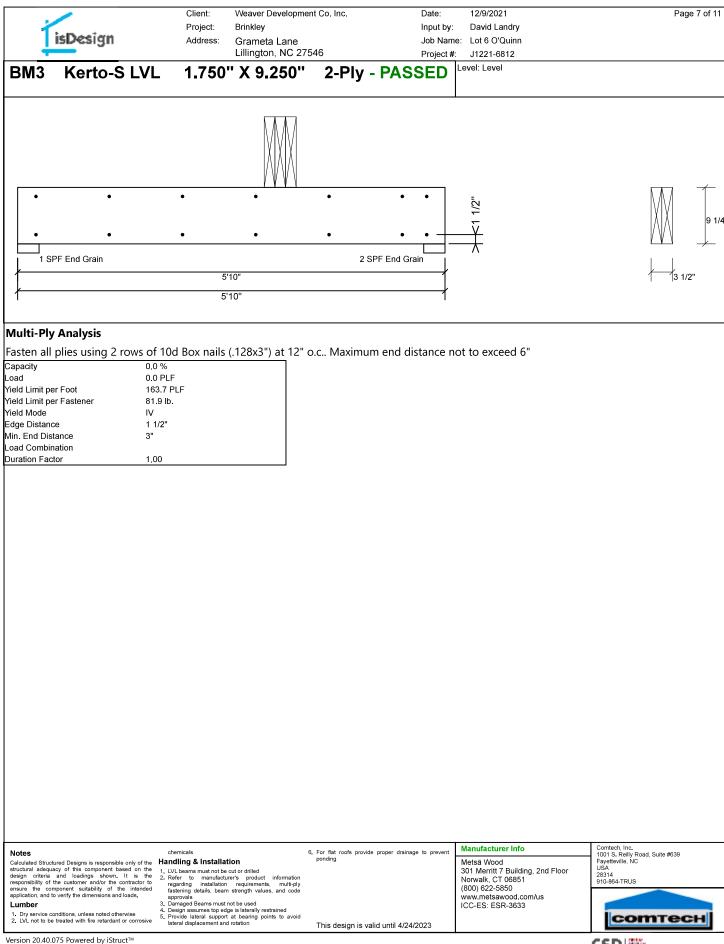
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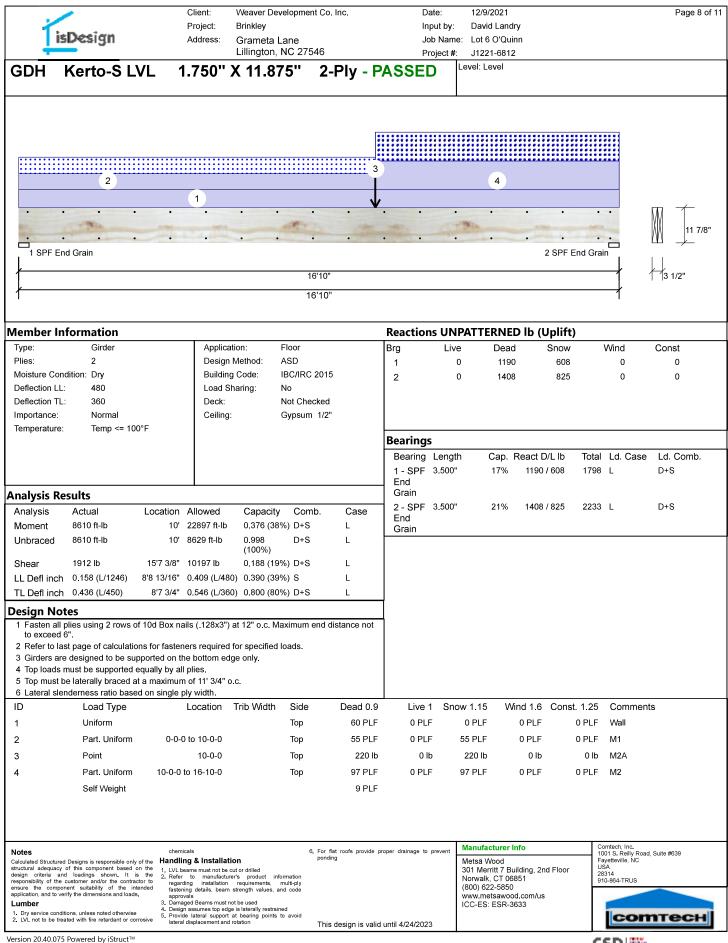
CSD 🔛

1	isDesign	Client: Project: Address:	Weaver Developme Brinkley Grameta Lane Lillington, NC 27		Date Input Job N Proje	by: Da Name: Lot	9/2021 vid Landry 6 O'Quinn 221-6812	Page 5 of 1
BM2	Kerto-S LV	′L 1.750")	X 16.000"	3-Ply	- PASSED	Level:	Level	
	· · · ·	· · · ·	· · ·	· · ·	· · ·	•	· · ·	
	:		-	15'				2 SPF
<i>∤</i> −−−−				15'				
-	y Analysis							
6"	l plies using 4 rows		(.128x3") at 12"	o.c Nail fro	om both sides. N	Maximun	ו end distance n	not to exceed
Capacity Load Yield Limit pe	er Foot	100.0 % 327.3 PLF 327.4 PLF						
Yield Limit po Yield Mode		81.9 lb. IV						
Edge Distan Min. End Dis		1 1/2" 3"						
Load Combin Duration Fac	nation	D+L 1.00						
Buluion rue	5.01	1.00						
						- I		
Notes Calculated Struc	ctured Designs is responsible only a	chemicals f the Handling & Installat	on	For flat roofs pro ponding	vide proper drainage to prev	Vent	facturer Info Wood	Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC
structural adequ design criteria responsibility of	Lacy of this component based on and loadings shown. It is the customer and/or the contract	the 1 LVL beams must not be the 2 Refer to manufactur or to regarding installation				301 M Norwa	erritt 7 Building, 2nd Flc lk, CT 06851	
ensure the co	proponent suitability of the inter to verify the dimensions and loads.	nded fastening details, beam approvals 3. Damaged Beams must r	strength values, and code ot be used			www.r	522-5850 netsawood.com/us S: ESR-3633	
1. Dry service of	conditions, unless noted otherwise e treated with fire retardant or corro	 Design assumes top edg Provide lateral support 	e is laterally restrained at bearing points to avoid	This design is	valid until 4/24/2023		J. LUIN-JUJJ	соттесн
Version 20.40.	.075 Powered by iStruct™					<u> </u>		CSDI

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is	Design	Client: Project: Address:	Weaver Develo Brinkley Grameta Lan Lillington, NC	e	с.	ln Jo	ate: put by: b Name: oject #:	12/9/2021 David Land Lot 6 O'Qui J1221-6812	nn			Page 6 of 11
BM3 I	Kerto-S LVL	- 1.750'	' X 9.250)'' 2-	Ply -	PASSI	ED Le	vel: Level				
	2				3							
	-		•	·		•••						9 1/4
	End Grain	5'	10"		2 SPF	End Grain	_					3 1/2"
ŕ		5'	10"				\rightarrow					
ember Inf	ormation					Reaction		ATTERNE	D lb (Upli	(ft)		
ype:	Girder	Applica	tion: Flo	or		Brg	Live	Dead	-		Wind	Const
Plies: Aoisture Cond Deflection LL: Deflection TL: mportance:	2 ition: Dry 480 360 Normal	Design Building Load S Deck: Ceiling	haring: No Not	D C/IRC 2015 t Checked psum 1/2"		1 2	2153 3496	2357 2840			0 0	0 0
emperature:	Temp <= 100°F					Deering						
						Bearings Bearing 1 - SPF End	Length	Cap. 46%	React D/L lt 2357 / 2522		Ld. Case L	Ld. Comb. D+0.75(L+S)
nalysis Res	sults	•				Grain						
Analysis Moment Unbraced Shear LL Defl inch	11308 ft-lb 11308 ft-lb 5739 lb	Cation Allowed 3'7" 12542 ft-lb 3'7" 11327 ft-lb 4'10" 6907 lb 4 7/8" 0.134 (L/48	0.902 (90%) 0.998 (100%) 0.831 (83%)	D+L D+L	Case L L L	2 - SPF End Grain	3.500"	60%	2840 / 3530	0 6370	L	D+0.75(L+S)
TL Defl inch	0.143 (L/451) 3	3 5/8" 0.179 (L/36	0) 0.800 (80%)	D+L	L	-						
to exceed 6 2 Refer to lasi 3 Girders are 4 Top loads m 5 Top must be	lies using 2 rows of 10d	r fasteners required ed on the bottom ed ly by all plies. aximum of 4'3" o.c.	for specified load		ance not							
D	Load Type				Dead 0.9		1 Snow		ind 1.6 Co		Comment	S
	Tie-In	0-0-0 to 5-10-0		Гор	15 PSF	40 PSI) PSF	0 PSF	0 PSF	Floor	
	Uniform Uniform			Гор Гор	120 PLF 415 PLF	0 PLF 0 PLF		D PLF 5 PLF	0 PLF 0 PLF	0 PLF 0 PLF	Wall A3	
	Point Self Weight	3-7-0		Гор	1948 lb 7 PLF	5415 II		0 lb	0 lb	0 lb	BM2 Brg 2	
ructural adequacy o ssign criteria and sponsibility of the co- sure the compone oplication, and to verif umber . Dry service condition	Designs is responsible only of the f this component based on the loadings shown. It is the ustomer and/or the contractor to ms suitability of the intended y the dimensions and loads. Ans. unless noted otherwise ad with fire retardant or corrosive	chemicals Handling & Installati 1. LVL beams must not be (2. Refer to manufactur installation fastening details, beam approvals 3. Damaged Beams must 4. Design assumes top edg 5. Provide lateral support lateral displacement and	eut or drilled er's product informat requirements, multi- strength values, and co ot be used e is laterally restrained at bearing points to av	ponding ion -ply ode void		roper drainage to until 4/24/2023	N 3 N (8 W IC	lanufacturer I letsä Wood 01 Merritt 7 Bu oorwalk, CT 06 300) 622-5850 ww.metsawoo CC-ES: ESR-3	iilding, 2nd Flo 851 d.com/us	or 11	omtech, Inc. 001 S. Reilly Road ayetteville, NC SA 8314 10-864-TRUS	Suite #639

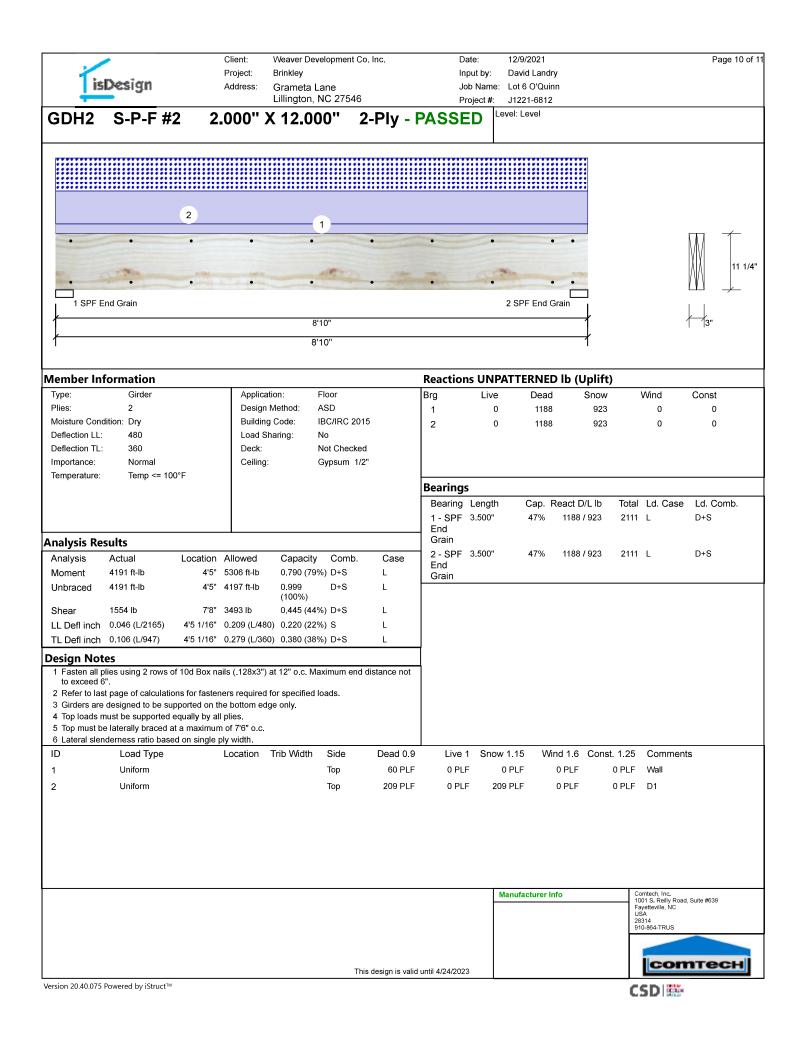




1	isDesign		Client: Project: Address:	Weaver Developm Brinkley Grameta Lane Lillington, NC 2		Date: Input by Job Nar Project :	me: Lot 6 O'Quinn	Page 9 of 11
GDH	Kerto-S L	.VL	1.750"	X 11.875"		- PASSED	Level: Level	
								-
•	• •	•••	•	• •	• •	• •	• • •	
1 SPF	• • End Grain	•••	•	• •	•••	• •	••••••••••••••••••••••••••••••••••••••	• •
					16'10"			3 1/2"
/					16'10''			ł
Capacity Load Yield Limit pe Yield Mode Edge Distanc Min. End Dist Load Combin Duration Fact	plies using 2 rov er Foot er Fastener tance nation	0.0 % 0.0 PLF 163.7 P 81.9 lb. IV 1 1/2" 3" 1.00	LF	(.128x3") at 12"		um end distance i		Comtech, Inc.
structural adequa design criteria responsibility of 1 ensure the con application, and to Lumber 1. Dry service co	ured Designs is responsible on acy of this component based and loadings shown, It the customer and/or the cont mponent suitability of the i overify the dimensions and load onditions, unless noted otherwis treated with fire retardant or c	y of the on the actor to thended ds actor to thended ds actor to actor to thended ds actor to thended ds actor to thended to the thended to the thended to the the the the the the the the the the	L beams must not be ifer to manufactu garding installation stening details, beam provals imaged Beams must usign assumes top ed	cut or drilled rrequirements, multi-ply in strength values, and code not be used ge is laterally restrained t at bearing points to avoid	ponding	valid until 4/24/2023	Metsä Wood 301 Merritt 7 Building, 2nd Fle Norwalk, CT 08851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633	1001 S. Reilly Road, Suite #639 Fayetteville, NC
14	TE Doworod by iStruct							

CSD 🚟

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isl	Design	Client: Project: Address:	Weaver Developmer Brinkley Grameta Lane Lillington, NC 275			Date: Input by: Job Name Project #:	12/9/2021 David Landry : Lot 6 O'Quinn J1221-6812		Page 11 of 11
GDH2	S-P-F #	2 2.000"	X 12.000"	2-Ply	- PASS		_evel: Level		
•	•	• •	•	•	•	•	••	1/2"	M
.	•		•	•	•	•	••+	←1 1/2"	11 1/4"
1 SPF Er	nd Grain						2 SPF End Grain	<u> </u>	
			8'10"						3"
1			8'10"				1		
Multi-Ply Ar	nalysis								
Fasten all plie Capacity	es using 2 rov	vs of 10d Box nail	s (.128x3") at 12" c	o.c Maximu	ım end dis	tance nc	ot to exceed 6"		
Load Yield Limit per Fo	oot	0.0 PLF 157.4 PLF							
Yield Limit per Fa Yield Mode		78.7 lb. IV							
Edge Distance Min. End Distance	e	1 1/2" 3"							
Load Combination		1.00							
						F	Manufacturer Info	Com 1001	tech, Inc. S. Reilly Road, Suite #639 tteville, NC
								2831	
				This design is v	alid until 4/24/2	2023		1	соттесн



Trenco 818 Soundside Rd Edenton, NC 27932

Re: **J1221-6812** Lot 6 O'Quinn

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E16477192 thru E16477206

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



December 9,2021

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs are the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type		Qty	Ply	Lot 6 O'Quinn		E1647719	
J1221-6812	ET1	GABLE		1	1			E1047719	,2
						Job Reference (optional)			
Comtech, Inc, Fayettev	ville, NC - 28314,		ID:I4HRA			16 2021 MiTek Industries z0Axy-ZRjZ6pQzCiaeICDj			
0- <mark>1</mark> -8								0- <mark>1-</mark> 8	
								Scale = 1:28	8.8
			3x4 =	3x6 FP =	=				
1 2	3 4	5 6	7 8	9 1		11 12	13	14 15	
					-				T
								32	1-4-0
									÷
				******					1
30 29	28 27	26 25	24 23 22	2	:1	20 19	18	17 16	
3x4 =		:	3x6 FP =					3x4 =	
			3x4 =						

,	Y) [8:0-1-8,Edge], [23:0-1											
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	P	LATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	N	1T20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999			
BCLL 0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	16	n/a	n/a			
BCDL 5.0	Code IRC2015	/TPI2014	Matri	x-S						v	Veight: 79 lb	FT = 20%F, 11%l

BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat) except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3(flat) OTHERS

REACTIONS. All bearings 17-4-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 16, 29, 28, 27, 26, 25, 23, 22, 21, 20, 19, 18, 17

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

- 3) Gable requires continuous bottom chord bearing. 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 6) Gable studs spaced at 1-4-0 oc.
 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



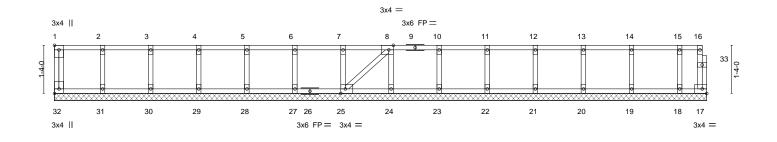
December 9,2021



Job	Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
J1221-6812	ET2	GABLE	1	1	E16477193
					Job Reference (optional)
Comtech, Inc, Fayettev	rille, NC - 28314,		8	430 s Aug	16 2021 MiTek Industries, Inc. Thu Dec 9 07:37:43 2021 Page 1

ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-1dHxK9Rbz0iVwMovow935AibGeHgE4cLO0ry9myAmHM

Scale = 1:30.1



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	16-0-0	17-4-0	18-1-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-9-0
Plate Offsets (X,Y) [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]													

LOADING(psf)TCLL40.0TCDL10.0BCLL0.0BCDL5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-S	DEFL.irVert(LL)n/aVert(CT)n/aHorz(CT)0.00	n - n/a 999 n - n/a 999	PLATES MT20 Weight: 83 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1 (flat) P No.1 (flat) P No.3 (flat) P No.3 (flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	<i>y</i> 11	oc purlins,

REACTIONS. All bearings 18-1-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 27, 25, 24, 23, 22, 21, 20, 19, 18

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Gable requires continuous bottom chord bearing.4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

8) CAUTION, Do not erect truss backwards.



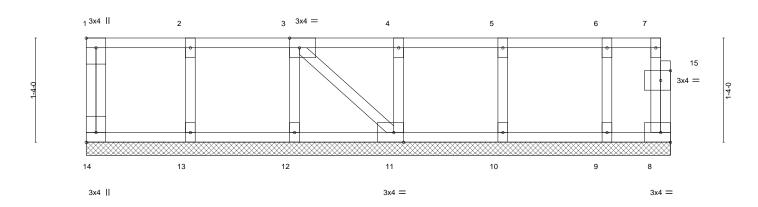


Job		Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
J1221-6812		ET3	GABLE	1	1	E16477194
						Job Reference (optional)
Comtech, Inc.	Favettev	rille, NC - 28314.		8	3.430 s Auc	a 16 2021 MiTek Industries, Inc. Thu Dec 9 07:37:44 2021 Page 1

 $ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-VqqJXVRDjJqMYWN5LdgIeOFm?2dvzXsUdgaVhDyAmHL$

0<u>-1-</u>8

Scale = 1:13.9



i.	1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	7-5-12			
Г	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-9-12			
Plate Offsets (X,Y) [1:Edge,0-1-8], [3:0-1-8,Edge], [11:0-1-8,Edge], [14:Edge,0-1-8], [15:0-1-8,0-1-8]									

LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-P	DEFL.irVert(LL)n/aVert(CT)n/aHorz(CT)0.00	a - n/a 999	PLATES MT20 Weight: 39 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1 (flat) P No.1 (flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	,	oc purlins,

REACTIONS. All bearings 7-5-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center. 3) Gable requires continuous bottom chord bearing.

4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

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

- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

8) CAUTION, Do not erect truss backwards.



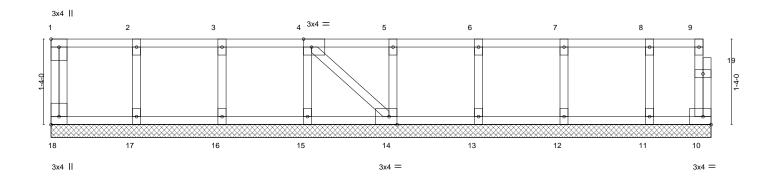


Job		Truss	Truss Type	Qty	Ply	Lot 6 O'Quinn
						E16477195
J1221-6	6812	ET4	GABLE	1	1	
						Job Reference (optional)
Comtech, Inc, Fayetteville, NC - 28314, 8.4						16 2021 MiTek Industries, Inc. Thu Dec 9 07:37:44 2021 Page 1

 $ID:I4HRAT3eIT9qoRIdAoEs_5z0Axy-VqqJXVRDjJqMYWN5LdgIeOFm?2dvzXsUdgaVhDyAmHL$

0₁1₇8

Scale = 1:16.9



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-3-8
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-11-8
Plate Offsets (X,Y)	[1:Edge,0-1-8], [4:0-1-8,Edg	ge], [14:0-1-8,Edge], [18	3:Edge,0-1-8]				
LOADING (psf)	SPACING-	2-0-0 CSI	. с	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00 TC	0.06	/ert(LL) n/a	- n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00 BC	0.01 V	/ert(CT) n/a	- n/a 999		
BCLL 0.0	Rep Stress Incr	YES WB	0.03 H	Horz(CT) 0.00 1	0 n/a n/a		

ı	I٨	л	D	E	D	

BCDL

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.1(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD	2x4 SP No.1(flat)		except end verticals.
WEBS	2x4 SP No.3(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3(flat)		

Matrix-S

REACTIONS. All bearings 10-3-8.

5.0

(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

Code IRC2015/TPI2014

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.

2) Plates checked for a plus or minus 1 degree rotation about its center.

- 3) Gable requires continuous bottom chord bearing. 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

8) CAUTION, Do not erect truss backwards.



Weight: 50 lb

FT = 20%F, 11%E

December 9,2021



Job	Truss	Truss Type	Qty	Ply Lot 6 O'Qui	nn		E16477196
J1221-6812	ET5	GABLE	1	1			210477130
Comtech, Inc, Fayett	eville, NC - 28314,			Job Referen 430 s Aug 16 2021 MiT	ce (optional)	Thu Doc 9.07:27	7:45 2021 Page 1
Connech, Inc, Tayeu	eville, NC - 20514,		ID:I4HRAT3el	r9qoRldAoEs_5z0Axy-	z0OhkrSrUdyD9gy	/lvLBXAbnwsSzCi	_rdrJK3EfyAmHK
0 _刊 8							0 ₁ 1 ₇ 8
							Scale = 1:23.3
		3x4 =					
1 2	27 3 4	5 28 6	7	8 29	9	10	11 12
	0 0 0		•	•	•	•	
							< <u> </u>
24 23	22 2'		18	17	16	15	14 13
3x6 = 2x6	2x6 2	6 2x6 3x6	2x6	2x6	2x6	2x6	3x6 =
							2x6
1-4-0	2-8-0 4-0-0	5-4-0 6-8-0 8-0-0	9-4	-0 10-8-0	12-0-0	13-4-0	14-0-0
1-4-0 Plate Offsets (X,Y) [5	1-4-0 1-4-0 :0-1-8,Edge]	1-4-0 1-4-0 1-4-0	1-4	-0 1-4-0	1-4-0	1-4-0	0-8-0

LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.12 BC 0.00 WB 0.05 Matrix-S	DEFL. ir Vert(LL) n/z Vert(CT) n/a Horz(CT) 0.00	n - n/a 999 n - n/a 999	PLATES MT20 Weight: 84 lb	GRIP 244/190 FT = 20%F, 11%E
BOT CHORD 2x4 SF WEBS 2x4 SF	P No.1(flat) P No.1(flat) P No.3(flat) P No.3(flat)		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	, ,,	oc purlins,

REACTIONS. All bearings 14-0-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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

NOTES-

- 1) All plates are 1.5x3 MT20 unless otherwise indicated.
- 2) Plates checked for a plus or minus 1 degree rotation about its center. 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

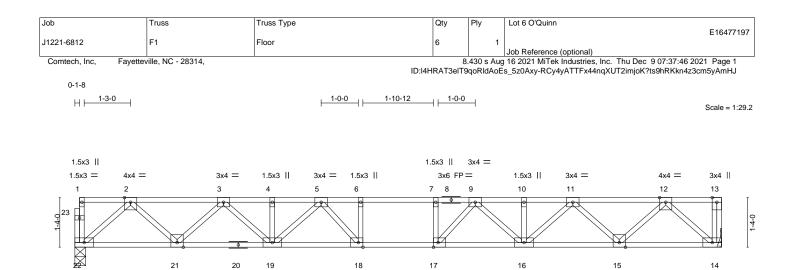
LOAD CASE(S) Standard

- 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
 - Vert: 13-24=-10, 1-12=-100

Concentrated Loads (Ib) Vert: 4=-91 7=-91 10=-91 27=-91 28=-91 29=-91







3x4 =

3x6 =

4x4 =

3x6 =

3x4 =

			17-4-12 17-4-12					
Plate Offsets (X,Y)	[17:0-1-8,Edge], [18:0-1-8,Edge]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.48 BC 0.69 WB 0.46	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.19 17-1 -0.26 17-1 0.06 1	8 >999 8 >777	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S	H012(C1)	0.00 1	4 11/a	II/a	Weight: 93 lb	FT = 20%F, 11%E
BOT CHORD 2x4 SP	No.1(flat) No.1(flat) No.3(flat)		BRACING- TOP CHOR BOT CHOR	exce	pt end ver	ticals.	irectly applied or 6-0-0 or 10-0-0 oc bracing.	oc purlins,
REACTIONS. (size Max G	e) 22=0-3-8, 14=Mechanical rav 22=937(LC 1), 14=943(LC 1)							
TOP CHORD 2-3=-	Comp./Max. Ten All forces 250 (lb) or 1705/0, 3-4=-2823/0, 4-5=-2823/0, 5-6= 2823/0, 10-11=-2823/0, 11-12=-1705/	-3312/0, 6-7=-3312/0, 7-9						
	2=0/1015, 19-21=0/2365, 18-19=0/3144		3144, 15-16=0/236	65,				

	14-15=0/1016
WEBS	2-22=-1349/0, 2-21=0/960, 3-21=-918/0, 3-19=0/622, 5-19=-436/0, 12-14=-1352/0,
	12-15=0/959, 11-15=-918/0, 11-16=0/623, 9-16=-436/0, 9-17=-86/552, 7-17=-313/5,
	5-18=-86/552, 6-18=-313/5

NOTES-

1) Unbalanced floor live loads have been considered for this design.

4x4 =

3x6 =

3x6 FP = 3x6 =

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) Refer to girder(s) for truss to truss connections.

4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

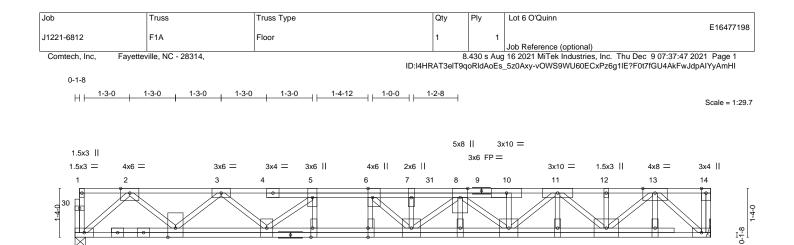
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.







22

6x6 =

21

2x6 ||

20

6x6 =

19

2x6 ||

18

6x8 =

17

2x6 ||

16

15

3x6 =

11%E

23

2x6 ||

17-4-12

					17-4-12						
Plate Offsets (X,Y)	[6:0-3-0,Edge], [23:0-3-0	,Edge], [24:0-3	-0,Edge]								
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TI	2-0-0 1.00 1.00 NO PI2014	CSI. TC BC WB Matri:	0.67 0.74 0.69 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.20	(loc) 22-23 22-23 15	l/defl >999 >739 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 128 lb	GRIP 244/190 186/179 FT = 20%F, 7
BOT CHORD 2x4 SP WEBS 2x4 SP REACTIONS. (size	2 No.1(flat) 2 No.1(flat) 2 No.3(flat) e) 29=0-3-8, 15=Mecha rav 29=1112(LC 1), 15=				BRACING- TOP CHOF BOT CHOF	RD	except	end verti	cals.	lirectly applied or 6-0-0 d	oc purlins,
TOP CHORD 2-3=- 10-11 BOT CHORD 27-29 20-2	Comp./Max. Ten All fo 2171/0, 3-5=-3758/0, 5-6 I=-4088/0, 11-12=-2410/(9=0/1244, 26-27=0/3037, 1=0/4965, 19-20=0/3348 -1654/0, 2-27=0/1258, 3	=-4691/0, 6-7= 0, 12-13=-2410, 24-26=0/4691, , 18-19=0/3348	-5203/0, 7 ⁻ 8 /0 23-24=0/46 , 17-18=0/13	=-5203/0, 8- 91, 22-23=0/ 304, 15-17=0	10=-4093/0, /4691, 21-22=0/49)/1304	65,					
13-15	=-1634/0, 2-27=0/1238, 3 5=-1725/0, 13-18=0/1458 =-541/0, 6-22=0/978, 6-23	, 11-18=-1237/				,					
2) All plates are MT203) Plates checked for a	e loads have been consic plates unless otherwise in plus or minus 1 degree i truss to truss connectior	ndicated. rotation about if	0								

5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

26 25 24

4x6 ||

3x8 M18AHS FP =

2x6 ||

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

Strongbacks to be attached to walls at their outer ends or restrained by other means.

7) CAUTION, Do not erect truss backwards.

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 481 lb down at 9-9-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

ø

3x6 =

28

3x4 =

27

5x8 ||

3x4 =

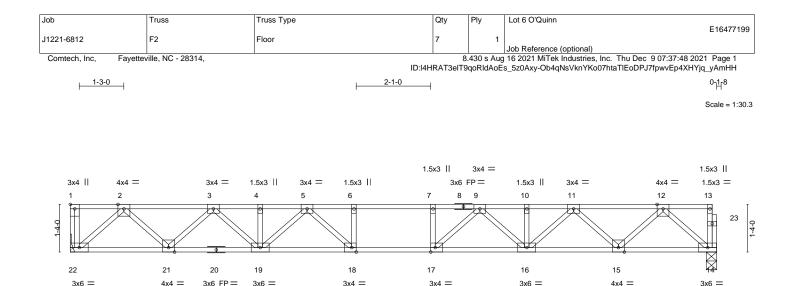
Vert: 15-29=-10, 1-14=-100 Concentrated Loads (lb)

Vert: 31=-401(F)



December 9,2021





18-1-0 18-1-0

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

in (loc)

14

-0.22 17-18

-0.31 17-18

0.06

l/defl

>956

>695

except end verticals.

n/a

L/d

480

360

n/a

Ν	0	ΓF	S-

WEBS

LOADING (psf)

40.0

10.0

0.0

5.0

TCLL

TCDL

BCLL

BCDL

WEBS

LUMBER-

TOP CHORD

BOT CHORD

REACTIONS.

TOP CHORD

BOT CHORD

1) Unbalanced floor live loads have been considered for this design.

9-17=-55/627.7-17=-316/0

2) Plates checked for a plus or minus 1 degree rotation about its center.

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [17:0-1-8,Edge], [18:0-1-8,Edge] SPACING-

Plate Grip DOL

Rep Stress Incr

Code IRC2015/TPI2014

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

9-10=-2985/0, 10-11=-2985/0, 11-12=-1787/0

Lumber DOL

(size) 22=Mechanical, 14=0-3-8 Max Grav 22=981(LC 1), 14=975(LC 1)

2-0-0

1.00

1.00

YES

CSI.

0.56

0.77

0.48

TC

BC

WB

Matrix-S

3) Refer to girder(s) for truss to truss connections.

2x4 SP No.1(flat)

2x4 SP No.1(flat)

2x4 SP No.3(flat)

14-15=0/1058

4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

2-3=-1787/0, 3-4=-2985/0, 4-5=-2985/0, 5-6=-3581/0, 6-7=-3581/0, 7-9=-3581/0,

2-22=-1409/0, 2-21=0/1013, 3-21=-972/0, 3-19=0/678, 5-19=-492/0, 5-18=-55/627, 6-18=-316/0, 12-14=-1406/0, 12-15=0/1014, 11-15=-973/0, 11-16=0/678, 9-16=-492/0,

21-22=0/1058, 19-21=0/2486, 18-19=0/3347, 17-18=0/3581, 16-17=0/3347, 15-16=0/2486,

Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.



PLATES

Weight: 96 lb

MT20

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

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

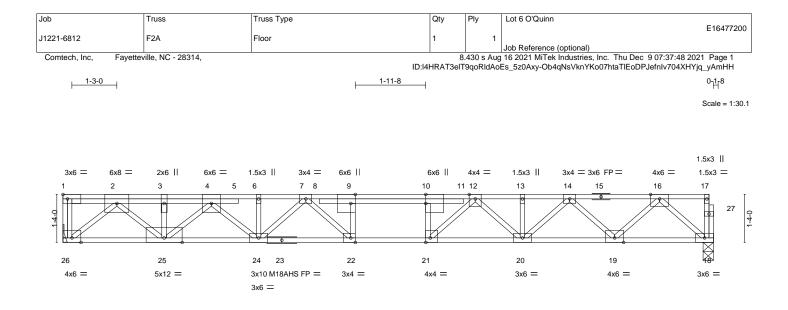
GRIP

244/190

FT = 20%F, 11%E

🛕 WARNING - Verify design pa ameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Construints - Strange delivery design parameters and READ NOTES ON THIS AND INCLUDED INTERFERENCE PAGE MIT-1473 BIV 5192/2021 BEFORE DSE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design is the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see ANS/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

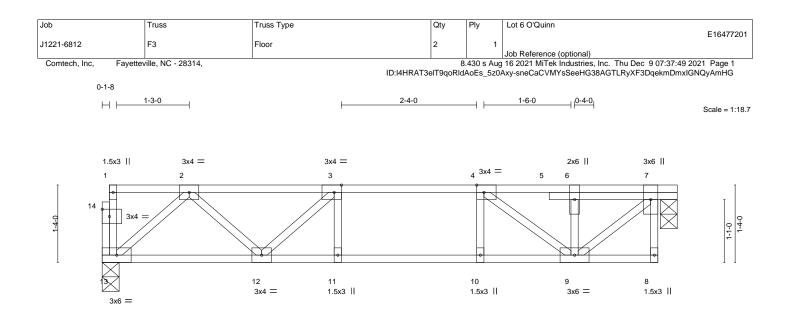




<u> </u>			<u>18-1-0</u> 18-1-0						
Plate Offsets (X,Y)	[9:0-3-0,Edge], [10:0-3-0,Edge], [21:0-1	-8,Edge], [22:0-1-8,Edge]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING-2-0-0Plate Grip DOL1.00Lumber DOL1.00Rep Stress IncrNOCodeIRC2015/TPI2014	CSI. TC 0.53 BC 0.94 WB 0.92 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.25 -0.35 0.08	(loc) 22 22 18	l/defl >845 >610 n/a	L/d 480 360 n/a	PLATES MT20 M18AHS Weight: 109 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
BOT CHORD 2x4 SP WEBS 2x4 SP REACTIONS. (size	No.1(flat) No.1(flat) No.3(flat) e) 26=Mechanical, 18=0-3-8 rav 26=1498(LC 1), 18=1066(LC 1)		BRACING- TOP CHOR BOT CHOR		except	end verti	cals.	rectly applied or 5-10-1 or 10-0-0 oc bracing.	oc purlins,
TOP CHORD 2-3=- 10-12 BOT CHORD 25-26 18-19 2-26= 16-19 16-19	Comp./Max. Ten All forces 250 (lb) or 3150/0, 3-4=-3150/0, 4-6=-3973/0, 6-7= !=-4454/0, 12-13=-3379/0, 13-14=-3379 !=0/1698, 24-25=0/3684, 22-24=0/4215, 9=0/1162 -2210/0, 2-25=0/1927, 3-25=-776/0, 4-2 !=0/1145, 14-19=-1101/0, 14-20=0/818, =-333/0, 7-22=-126/529, 9-22=-328/61	-3970/0, 7-9=-4445/0, 9- /0, 14-16=-1986/0 , 21-22=0/4442, 20-21=0/ 25=-709/0, 4-24=0/380, 1	10=-4442/0, ′3824, 19-20=0/277 6-18=-1545/0,	,					
 All plates are MT20 ; Plates checked for a Refer to girder(s) for This truss is designereferenced standard Recommend 2x6 strostrongbacks to be at CAUTION, Do not er Hanger(s) or other cochord. The design/s In the LOAD CASE(S) Stand Dead + Floor Live (buniform Loads (plf) 	ongbacks, on edge, spaced at 10-0-0 c ttached to walls at their outer ends or re rect truss backwards. onnection device(s) shall be provided su election of such connection device(s) is S) section, loads applied to the face of ti dard alanced): Lumber Increase=1.00, Plate =-10, 1-17=-100 (lb)	ts center. Is center. In a Residential Code service and fastened to each tr strained by other means. Ifficient to support concer the responsibility of othe he truss are noted as from	russ with 3-10d (0.1 ntrated load(s) 689 rs.	31" X	3") nails	5.	4		

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—		9-7				9-11-0
Plate Offsets (X,Y)	[3:0-1-8,Edge], [4:0-1-8,Edge], [14:0-1-4	9-7 3,0-1-8]	-0			0-4-0 ¹
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.35 BC 0.47 WB 0.31 Matrix-S	DEFL. ir Vert(LL) -0.07 Vert(CT) -0.09 Horz(CT) 0.02	11 >999 480 11 >999 360	PLATES MT20 Weight: 54 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat)			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dir except end verticals. Rigid ceiling directly applied o	<i>y</i> 11) oc purlins,
REACTIONS. (size Max G	e) 13=0-3-8, 7=0-3-8 rav 13=511(LC 1), 7=517(LC 1)					

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

TOP CHORD 2-3=-781/0, 3-4=-965/0, 4-6=-499/0, 6-7=-499/0

BOT CHORD 12-13=0/541, 11-12=0/965, 10-11=0/965, 9-10=0/965

WEBS 7-9=0/649, 2-13=-718/0, 2-12=0/334, 3-12=-307/0, 4-9=-640/0

NOTES-

1) Unbalanced floor live loads have been considered for this design.

2) Plates checked for a plus or minus 1 degree rotation about its center.

3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

6) CAUTION, Do not erect truss backwards



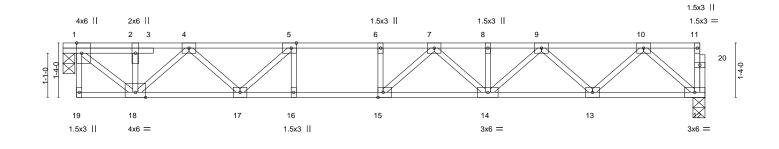
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2-0-0

0-1-8 Scale = 1:26.5



SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.66	DEFL. in	n (loc) l/dei			
Rep Stress Incr YES Code IRC2015/TPI2014	BC 0.94 WB 0.56 Matrix-S	- ()	14-15 >85 14-15 >64	6 480 0 360	PLATES MT20 Weight: 84 lb	GRIP 244/190 FT = 20%F, 11%I
o.1(flat)		BRACING- TOP CHORD BOT CHORD	except end v Rigid ceiling	erticals. directly applied o	,	
omp./Max. Ten All forces 250 (lb) or						
71/0, 9-10=-1469/0	,	,				
1172, 4-18=-857/0, 4-17=0/636, 5-17	=-794/0, 10-12=-1184/0, 1	,				
oads have been considered for this de	aian					
	o.1(flat) o.1(flat) o.3(flat) 12=0-3-8, 1=0-3-8 / 12=829(LC 1), 1=835(LC 1) pmp./Max. Ten All forces 250 (lb) or 0/0, 2-4=-9030, 4-5=-1988/0, 5-6=-25 7/1/0, 9-10=-1469/0 0/1531, 16-17=0/2524, 15-16=0/2524, 1172, 4-18=-857/0, 4-17=0/636, 5-17- 76/0, 9-14=0/468, 7-14=-279/0, 7-15=	o.1(flat) o.1(flat) o.3(flat) 12=0-3-8, 1=0-3-8 / 12=829(LC 1), 1=835(LC 1) pmp./Max. Ten All forces 250 (lb) or less except when shown. 0/0, 2-4=-903/0, 4-5=-1988/0, 5-6=-2524/0, 6-7=-2524/0, 7-8=-2 71/0, 9-10=-1468/0 1/1531, 16-17=0/2524, 15-16=0/2524, 14-15=0/2568, 13-14=0/2 1172, 4-18=-857/0, 4-17=0/636, 5-17=-794/0, 10-12=-1184/0, 1 76/0, 9-14=0/468, 7-14=-279/0, 7-15=-258/302	BRACING- TOP CHORD 0.1(flat) TOP CHORD 0.3(flat) BOT CHORD 12=0-3-8, 1=0-3-8 J 12=829(LC 1), 1=835(LC 1) BOT CHORD 0/0, 2-4=-903(0, 4-5=-19880), 5-6=-2524/0, 6-7=-2524/0, 7-8=-2371/0, 71/0, 9-10=-1469/0 N-5=-19880, 5-6=-2524/0, 6-7=-2524/0, 7-8=-2371/0, 71/0, 9-10=-1469/0 0/1531, 16-17=0/2524, 15-16=0/2524, 14-15=0/2568, 13-14=0/2027, 12-13=0/891 1172, 4-18=-857/0, 4-17=-0/636, 5-17=-794/0, 10-12=-1184/0, 10-13=0/804, 76/0, 9-14=0/468, 7-14=-279/0, 7-15=-258/302	BRACING- TOP CHORD Structural we except end v 0.1(flat) TOP CHORD Structural we except end v 0.3(flat) BOT CHORD Rigid ceiling 2-2-0 oc brace 12=0-3-8, 1=0-3-8 v 12=835(LC 1) BOT CHORD Rigid ceiling 2-2-0 oc brace 0/0, 2-4=-903/0, 4-5=-1988/0, 5-6=-2524/0, 6-7=-2524/0, 7-8=-2371/0, 71/0, 9-10=-1469/0 0 0 0/1531, 16-17=0/2524, 15-16=0/2524, 14-15=0/2568, 13-14=0/2027, 12-13=0/891 1172, 4-18=-857/0, 4-17=0/636, 5-17=-794/0, 10-12=-1184/0, 10-13=0/804, 76/0, 9-14=0/468, 7-14=-279/0, 7-15=-258/302	BRACING- TOP CHORD Structural wood sheathing directly applied on 2-2-0 oc bracing: 15-16. 12=0-3-8, 1=0-3-8	BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 except end verticals. 0.3(flat) BOT CHORD Structural wood sheathing directly applied or 6-0-0 except end verticals. 12=0-3-8, 1=0-3-8 / 12=829(LC 1), 1=835(LC 1) BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, 2-2-0 oc bracing: 15-16. y 12=829(LC 1), 1=835(LC 1) Dymp./Max. Ten All forces 250 (lb) or less except when shown. 0/0, 2-4=-903/0, 4-5=-1988/0, 5-6=-2524/0, 6-7=-2524/0, 7-8=-2371/0, 7/1/0, 9-10=-1469/0 y/1531, 16-17=0/2524, 15-16=0/2524, 14-15=0/2568, 13-14=0/2027, 12-13=0/891 1172, 4-18=-857/0, 4-17=0/636, 5-17=-794/0, 10-12=-1184/0, 10-13=0/804, 76/0, 9-14=0/468, 7-14=-279/0, 7-15=-258/302

- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1.

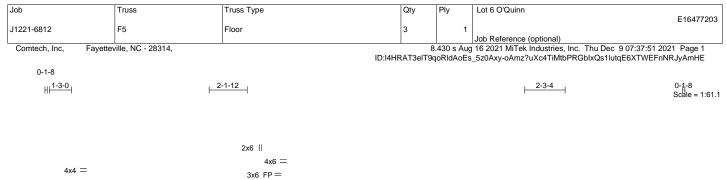
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails.

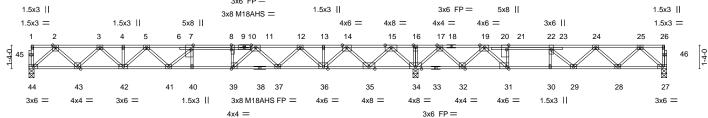
- Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

7) CAUTION, Do not erect truss backwards.





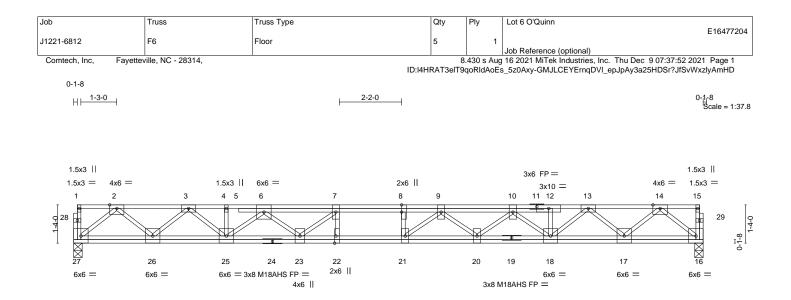




	<u> </u>					5-11-0	
Plate Offsets (X,Y)			[39:0-1-8,Edge]		14	I-1-12	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.85 BC 0.79 WB 0.74 Matrix-S	Vert(LL) -0.32	(loc) l/defl 39-40 >803 39-40 >596 34 n/a	480 360	PLATES MT20 M18AHS Weight: 195 lb	GRIP 244/190 186/179 FT = 20%F, 11%E
BOT CHORD 2x4	I SP No.1(flat) I SP No.1(flat) I SP No.3(flat)		BRACING- TOP CHORD BOT CHORD	except end ve	rticals.	ectly applied or 5-7-6 o or 6-0-0 oc bracing.	oc purlins,
Ma	(size) 44=0-3-8, 34=0-3-8, 27=0-3-8 ax Uplift 27=-31(LC 3) ax Grav 44=1028(LC 3), 34=2416(LC 1), 27	=654(LC 4)					
TOP CHORD 2 1	lax. Comp./Max. Ten All forces 250 (lb) or -3=-1903/0, 3-4=-3213/0, 4-5=-3213/0, 5-7= 1-12=-3071/0, 12-13=-1761/0, 13-14=-1761 6-17=0/3181, 17-19=-271/1913, 19-21=-154 4-25=-1099/141	-3892/0, 7-8=-4134/0, 8-1 /0, 14-15=0/653, 15-16=0	11=-4134/0,)/3181,				
BOT CHORD 4	3-44=0/1119, 42-43=0/2658, 41-42=0/3642 36-37=0/2554, 35-36=-198/873, 34-35=-170 0-31=-905/1572, 29-30=-905/1572, 28-29=-	5/0, 32-34=-2289/0, 31-32	2=-1519/881,				
WEBS 2	44=-1487/0, 2-43=0/1091, 3-43=-1050/0, 3 4-43=-1537/0, 14-36=0/1242, 12-36=-1112/ 5-41=0/446, 7-41=-489/83, 11-39=0/1122, 8 9-32=-1107/0, 19-31=0/1493, 25-27=-909/9 4-29=-368/110, 22-29=-6/544, 21-31=-845/4	-42=0/755, 15-34=-1965/ 0, 12-37=0/751, 11-37=-7 -39=-665/0, 17-34=-1477/ 3, 25-28=-99/575, 24-28=	0, 15-35=0/1563, 728/0, 5-42=-583/0, /0, 17-32=0/1061,				
 All plates are MT All plates are 3x Plates checked f Provide mechan This truss is des referenced stance Recommend 2xk Strongbacks to b 	r live loads have been considered for this de '20 plates unless otherwise indicated. 4 MT20 unless otherwise indicated. ior a plus or minus 1 degree rotation about i ical connection (by others) of truss to bearin igned in accordance with the 2015 Internatii fard ANSI/TPI 1. 5 strongbacks, on edge, spaced at 10-0-0 co be attached to walls at their outer ends or re ot erect truss backwards.	ts center. g plate capable of withsta onal Residential Code sec c and fastened to each tr	ctions R502.11.1 and R80	02.10.2 and			







	<u>7-10-8</u> 7-10-8		I-0-8 -2-0		1-11-0 -10-8	
Plate Offsets (X,Y)	[8:0-3-0,0-0-0], [22:0-3-0,Edge]		2.0		10 0	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.37	Vert(LL) -0.33	21 >797 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.60	Vert(CT) -0.45	21 >579 360	M18AHS	186/179
BCLL 0.0	Rep Stress Incr YES	WB 0.64	Horz(CT) 0.06	16 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 158 lb	FT = 20%F, 11%E
	P No.1(flat) P No.1(flat)		BRACING- TOP CHORD	Structural wood sheathing dire	ectly applied or 6-0-0 o	c purlins,
	No.3(flat)		BOT CHORD	Rigid ceiling directly applied o	r 10-0-0 oc bracing.	
REACTIONS. (size Max G	e) 27=0-3-8, 16=0-3-8 rav 27=1185(LC 1), 16=1185(LC 1)					
· · /	Comp./Max. Ten All forces 250 (lb) or					

- TOP CHORD
 2-3=-2352/0, 3-4=-4056/0, 4-6=-4064/0, 6-7=-5383/0, 7-8=-5847/0, 8-9=-5847/0, 9-10=-5402/0, 10-12=-4085/0, 12-13=-4085/0, 13-14=-2350/0

 BOT CHORD
 26-27=0/1358, 25-26=0/3320, 23-25=0/4944, 22-23=0/5847, 21-22=0/5847, 20-21=0/5744, 18-20=0/5011, 17-18=0/3314, 16-17=0/1360

 WEBS
 2-27=-1765/0, 2-26=0/1348, 3-26e=-1313/0, 3-25=0/978, 14-16=-1768/0, 14-17=0/1344, 14-17
- WEBS 2-27-1765/0, 2-26=0/1348, 3-26=-1313/0, 3-25=0/978, 14-16=-1768/0, 14-17=0/1344, 13-17=-1307/0, 13-18=0/1024, 10-18=-1200/0, 10-20=0/518, 9-20=-508/0, 6-25=-1151/0, 6-23=0/707, 7-23=-889/0, 9-21=-301/635, 8-21=-272/53

NOTES-

1) Unbalanced floor live loads have been considered for this design.

2) All plates are MT20 plates unless otherwise indicated.

3) All plates are 3x6 MT20 unless otherwise indicated.

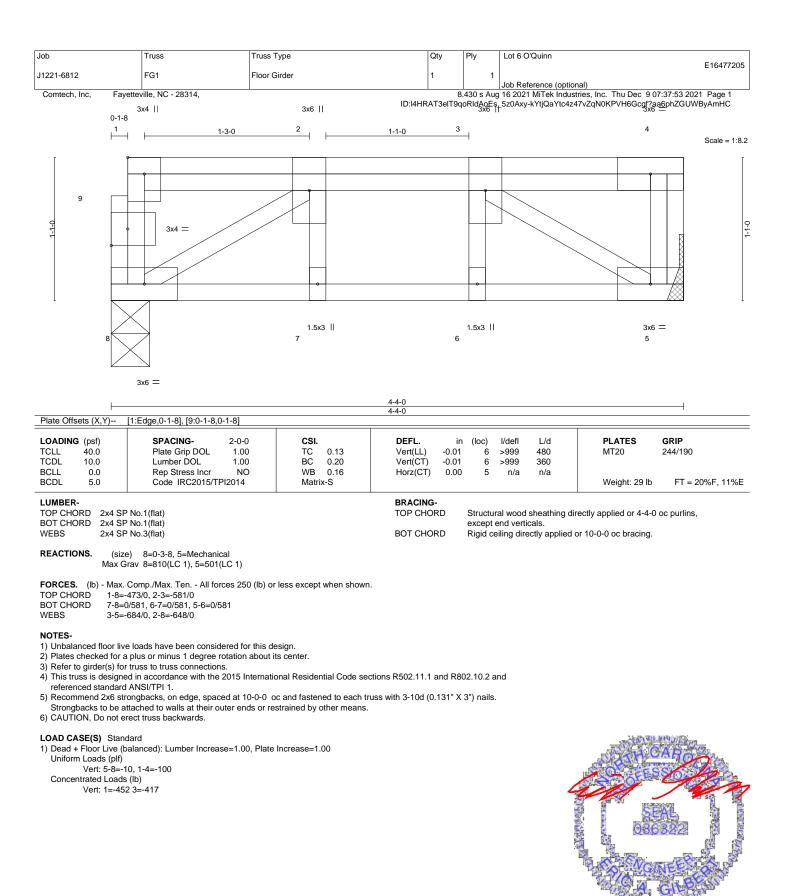
4) Plates checked for a plus or minus 1 degree rotation about its center.

5) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

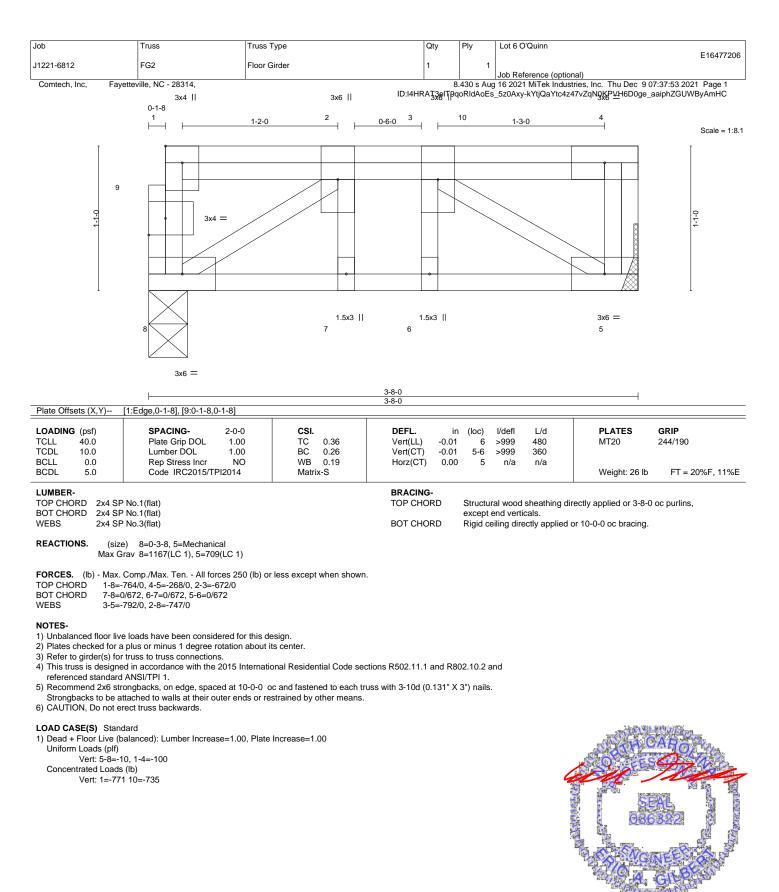






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