

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0221-0664 Lot 1 Cool Springs

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: E15384746 thru E15384770

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

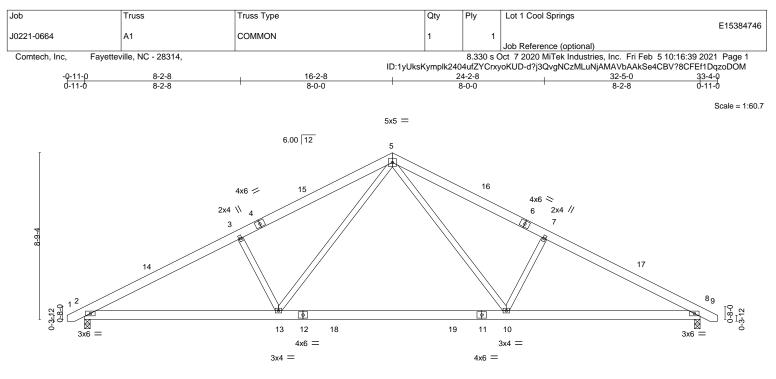
North Carolina COA: C-0844



February 5,2021

Gilbert, Eric

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. MiTek or 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.



	10-2-8 10-2-8		+	22-2-8 12-0-0				<u>32-5-0</u> 10-2-8	
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 0.28	Vert(LL)	-0.34 10-13	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.64	Vert(CT)	-0.47 10-13	>824	240		
BCLL 0.0	* Rep Stress Incr	YES	WB 0.27	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TF	12014	Matrix-S	Wind(LL)	0.05 2-13	>999	240	Weight: 208 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x6 SP No.1BOT CHORD2x6 SP No.1WEBS2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 8=0-3-8 Max Horz 2=-110(LC 10) Max Uplift 2=-89(LC 12), 8=-89(LC 13) Max Grav 2=1337(LC 1), 8=1337(LC 1)

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

TOP CHORD 2-3=-2307/486, 3-5=-2125/534, 5-7=-2125/534, 7-8=-2307/486

BOT CHORD 2-13=-316/2007. 10-13=-106/1303. 8-10=-320/1964

WEBS 5-10=-147/921, 7-10=-454/288, 5-13=-147/921, 3-13=-454/288

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 16-2-8, Exterior(2) 16-2-8 to 20-7-5, Interior(1) 20-7-5 to 33-1-10 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 100 lb uplift at joint(s) 2, 8.

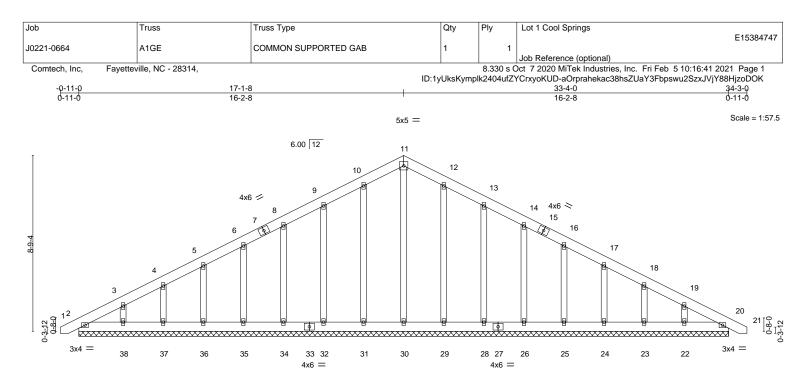
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 4-11-7 oc purlins.

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

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 and truss systems. see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



-0-11-0 0-11-0		<u>33-4-0</u> <u>32-5-0</u>							34-3-0 0-11-0
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.04	Vert(LL)	0.00	20	n/r	120	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.02	Vert(CT)	0.00	20	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.16	Horz(CT)	0.00	20	n/a	n/a		
3CDL 10.0	Code IRC2015/TPI2014	Matrix-S	()					Weight: 258 lb	FT = 20%

BOT CHORD

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

REACTIONS. All bearings 32-5-0.

Max Horz 2=-171(LC 17) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 31, 32, 34, 35, 36, 37, 38, 29, 28, 26, 25, 24, 23, 22 Max Grav All reactions 250 lb or less at joint(s) 2, 30, 31, 32, 34, 35, 36, 37, 38, 29, 28, 26, 25, 24, 23, 22.20

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

TOP CHORD 10-11=-114/284, 11-12=-114/284

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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.
- 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, 31, 32, 34, 35, 36, 37, 38, 29, 28, 26, 25, 24, 23, 22.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

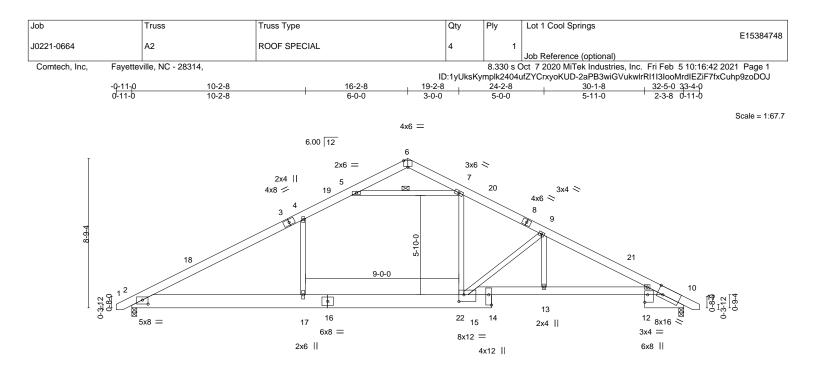


818 Soundside Road Edenton, NC 27932

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

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

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	10-2-8	16-2-8		<u>1-1-8</u> -11-0	24-2-8	<u>30-1-8</u> 5-11-0	32-5-0	
Plate Offsets (X,Y)	[2:0-4-0,0-2-14], [6:0-3-0,Edge], [10:0-4	-0,Edge], [12:Edge,0-2-0],	[14:Edge,0-2-0], [15	:0-3-8,	,0-4-12]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.75 BC 0.67 WB 0.70 Matrix-S	Vert(CT) -0 Horz(CT) 0	in (l 0.21 0.38 0.09 0.17 2	(loc) l/defl 17 >999 17 >999 10 n/a 2-17 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 247 lb	GRIP 244/190 FT = 20%
	P No.1 *Except* 2x6 SP 2400F 2.0E	BRACING- TOP CHORD BOT CHORD WEBS	Ri			ectly applied or 4-0-8 c r 10-0-0 oc bracing. 7	oc purlins.	
REACTIONS. (size) 2=0-3-8, 10=0-3-8 Max Horz 2=110(LC 11) Max Uplift 2=-90(LC 12), 10=-90(LC 13) Max Grav 2=1393(LC 2), 10=1353(LC 2)								
TOP CHORD 2-4=- BOT CHORD 2-17=	TOP CHORD 2-4=-2217/403, 4-5=-1870/483, 7-9=-2258/519, 9-10=-2889/551 BOT CHORD 2-17=-193/1848, 15-17=-195/1860, 13-15=-371/2525, 10-13=-380/2525							
NOTES-								

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 16-2-8, Exterior(2) 16-2-8 to 20-7-5, Interior(1) 20-7-5 to 33-1-10 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.

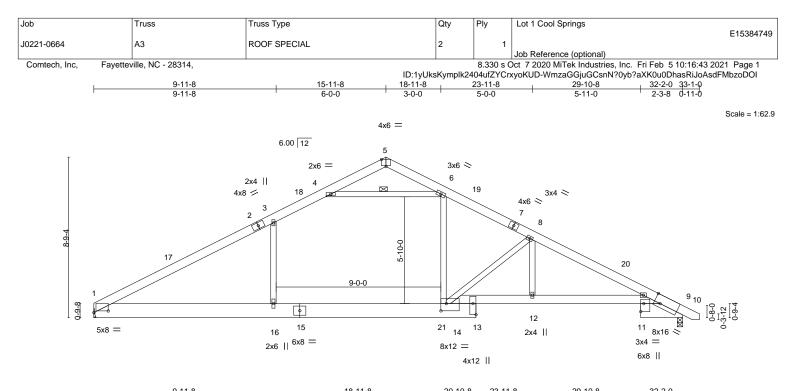
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.

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



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A MiTek Affili 818 Soundside Road Edenton, NC 27932



L	9-11-8	18-11-8	₁ 20-10-8	23-11-8	29-10-		
	9-11-8	9-0-0	1-11-0	3-1-0	5-11-0) 2-3-8	
Plate Offsets (X,Y)	[1:0-9-6,0-1-2], [5:0-3-0,Edge], [9:0-4-0	,Edge], [11:Edge,0-2-0], [13:E	dge,0-2-0], [14:0-3-8	8,0-4-12]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. ir	ı (loc) l/d	defl L/d	PLATES	GRIP
						MT20	244/190
TCLL 20.0			Vert(LL) -0.21		999 360	IVI I ZU	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.66	Vert(CT) -0.36		999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.70	Horz(CT) 0.09		n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.16	1-16 >9	999 240	Weight: 243 lb	FT = 20%
BOT CHORD 2x10 9-14:	P No.1 SP No.1 *Except* 2x6 SP 2400F 2.0E P No.2		BRACING- TOP CHORD BOT CHORD WEBS		ng directly applied o	ectly applied or 3-10-0 or 10-0-0 oc bracing. -6) oc purlins.
Max Max	ze) 1=Mechanical, 9=0-3-8 Horz 1=-111(LC 8) Uplift 1=-76(LC 12), 9=-90(LC 13) Grav 1=1345(LC 2), 9=1347(LC 2)						
TOP CHORD 1-3 BOT CHORD 1-1	Comp./Max. Ten All forces 250 (lb) o =-2189/401, 3-4=-1853/491, 6-8=-2237/5 5≕-198/1827, 14-16≕-200/1839, 12-14≕- 4=-117/966, 3-16≕-53/392, 4-6≕-1931/47	17, 8-9=-2874/549 375/2511, 9-12=-384/2511	0				
NOTES-	a loads have been considered for this d	asian					

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 15-11-8, Exterior(2) 15-11-8 to 20-4-5, Interior(1) 20-4-5 to 32-10-10 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.

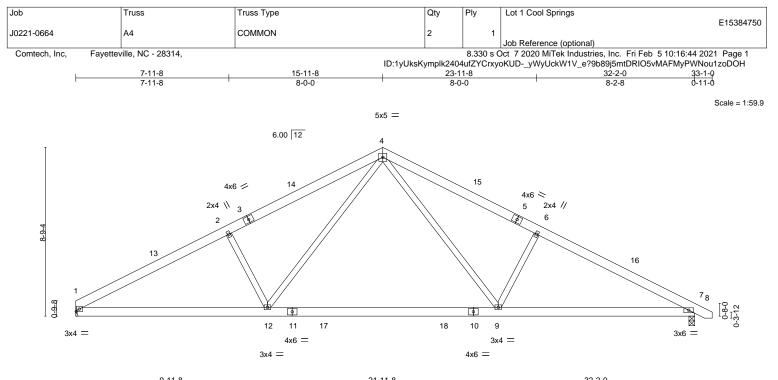
5) Refer to girder(s) for truss to truss connections.

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



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		9-11-8		12-0-0			<u> </u>	
Plate Offs	sets (X,Y)	[1:0-1-14,0-1-8]						
LOADING	u /	SPACING- 2-0-		DEFL.	in (loc)	l/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.1		0.28 Vert(LL)	-0.34 9-12		MT20	244/190
TCDL	10.0	Lumber DOL 1.1		0.64 Vert(CT)	-0.47 9-12	>822 240		
BCLL	0.0 *	Rep Stress Incr YES	WB 0	0.27 Horz(CT)	0.05 7	'n/an/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S	S Wind(LL)	0.05 12	>999 240	Weight: 204 lb	FT = 20%

LUMBER-

TOP CHORD2x6 SP No.1BOT CHORD2x6 SP No.1WEBS2x4 SP No.2

BRACING-TOP CHORD S

TOP CHORDStructural wood sheathing directly applied or 4-11-9 oc purlins.BOT CHORDRigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 7=0-3-8 Max Horz 1=-111(LC 8) Max Uplift 1=-76(LC 12), 7=-89(LC 13) Max Grav 1=1278(LC 1), 7=1331(LC 1)

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

TOP CHORD 1-2=-2276/496, 2-4=-2096/546, 4-6=-2113/532, 6-7=-2294/484

BOT CHORD 1-12=-319/1973, 9-12=-109/1291, 7-9=-324/1953

WEBS 4-9=-147/922, 6-9=-454/288, 4-12=-144/897, 2-12=-437/286

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 15-11-8, Exterior(2) 15-11-8 to 20-4-5, Interior(1) 20-4-5 to 32-10-10 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.

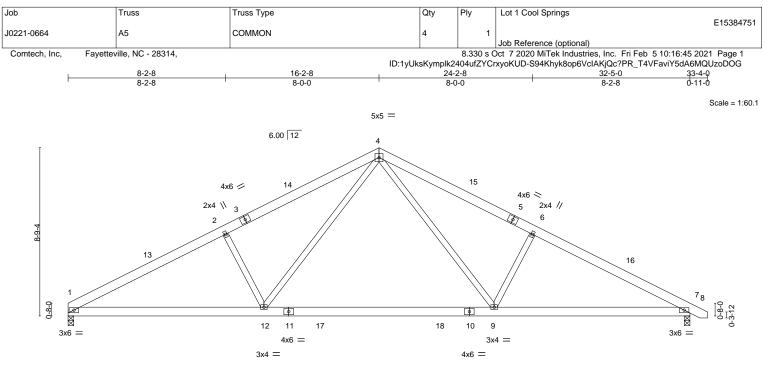
5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.



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		10-2-8 10-2-8				22-2-8 12-0-0			+		32-5-0 10-2-8	
LOADING (p	psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 2	0.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.34	9-12	>999	360	MT20	244/190
TCDL 10	0.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.47	9-12	>822	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.05	7	n/a	n/a		
BCDL 10	0.0	Code IRC2015/TF	912014	Matrix	k-S	Wind(LL)	0.05	12	>999	240	Weight: 206 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 1=0-3-8, 7=0-3-8 Max Horz 1=-111(LC 10) Max Uplift 1=-77(LC 12), 7=-89(LC 13) Max Grav 1=1284(LC 1), 7=1337(LC 1)

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

TOP CHORD 1-2=-2310/503, 2-4=-2129/551, 4-6=-2126/535, 6-7=-2308/487

BOT CHORD 1-12=-327/2012 9-12=-111/1304 7-9=-326/1966

WEBS 4-9=-147/921, 6-9=-454/288, 4-12=-149/924, 2-12=-458/292

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-1-12 to 4-6-9, Interior(1) 4-6-9 to 16-2-8, Exterior(2) 16-2-8 to 20-7-5, Interior(1) 20-7-5 to

33-1-10 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.

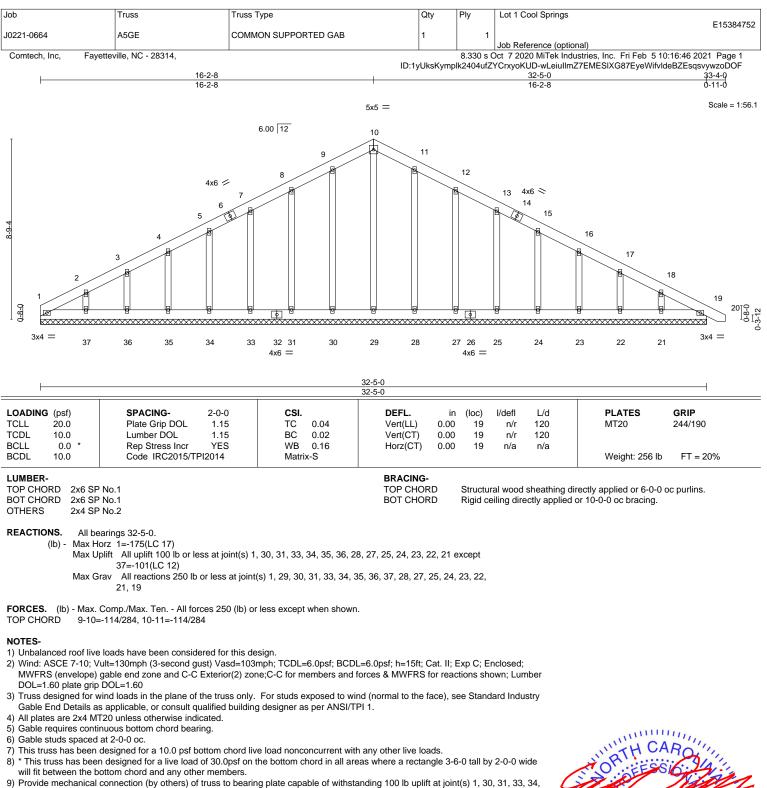
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7.



Structural wood sheathing directly applied or 4-10-13 oc purlins.

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

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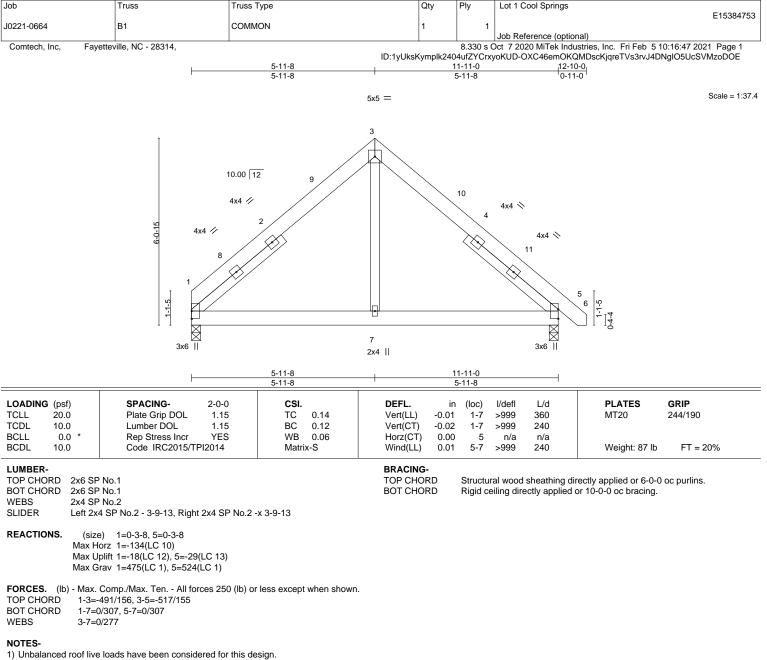


Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 30, 31, 33, 34, 35, 36, 28, 27, 25, 24, 23, 22, 21 except (jt=lb) 37=101.



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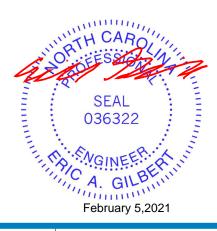
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-0 to 4-4-13, Interior(1) 4-4-13 to 5-11-8, Exterior(2) 5-11-8 to 10-4-5, Interior(1) 10-4-5 to

12-8-4 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.

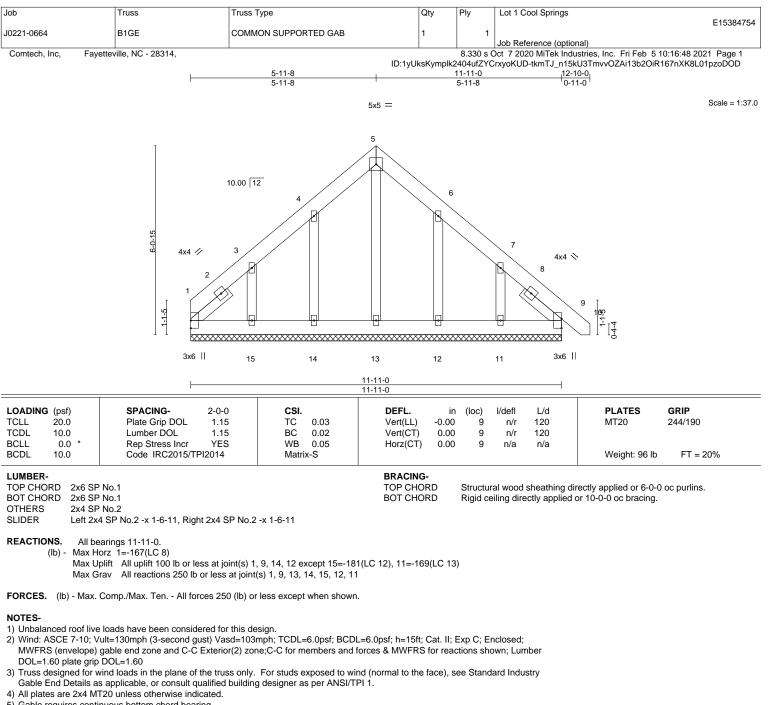
4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.



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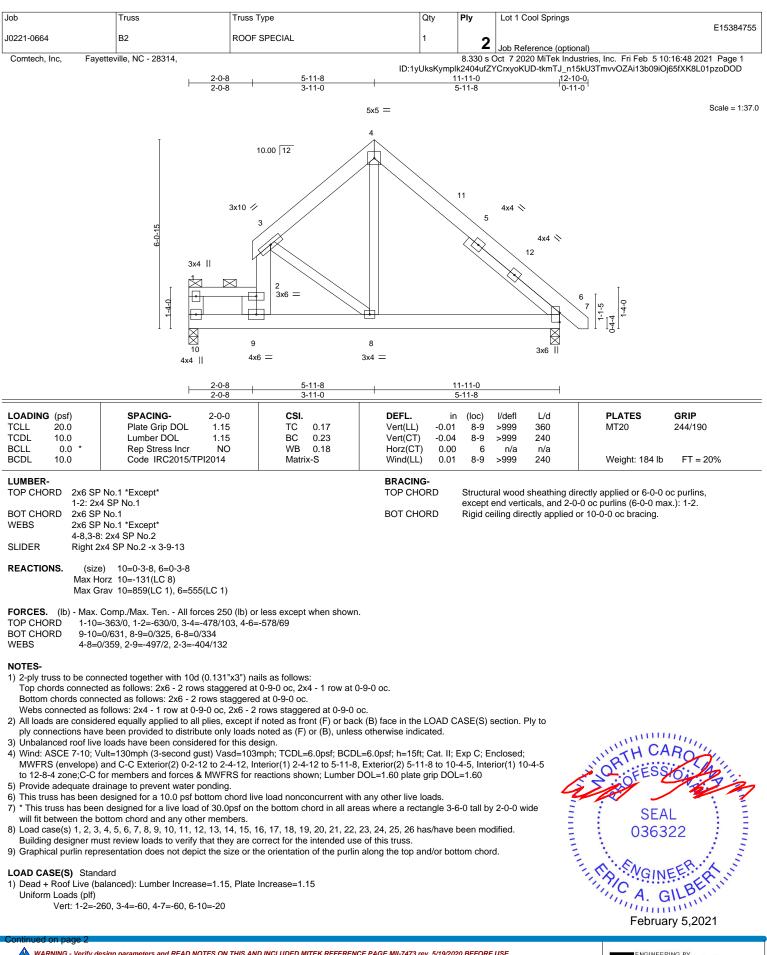


- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where 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) 1, 9, 14, 12 except (jt=lb) 15=181, 11=169.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 9.



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Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs
					E15384755
J0221-0664	B2	ROOF SPECIAL	1	2	
				–	Job Reference (optional)
Comtech, Inc,	Fayetteville, NC - 28314,			8.330 s (Oct 7 2020 MiTek Industries, Inc. Fri Feb 5 10:16:48 2021 Page 2
			Dutul Ikal/uma	11-0404-47	Crough ID them T L a 1 Fiel 12 Trans (CZA) 12 h 00:016 Ff VK91 01 a zo DOD

ID:1yUksKymplk2404ufZYCrxyoKUD-tkmTJ_n15kU3TmvvOZAi13b09iOj65fXK8L01pzoDOD

	ID:1yUksKympik2404ufZ1
LOAD CASE(S) Standard	
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15	
Uniform Loads (plf)	
Vert: 1-2=-250, 3-4=-50, 4-7=-50, 6-10=-20 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-2=-220, 3-4=-20, 4-7=-20, 6-10=-40	
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=-156, 3-4=27, 4-12=35, 6-12=27, 6-7=20, 6-10=-12 Horz: 3-4=-39, 4-12=47, 6-12=39, 6-7=32	
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=-170, 3-4=35, 4-11=27, 6-11=35, 6-7=58, 6-10=-12	
Horz: 3-4=-47, 4-11=39, 6-11=47, 6-7=70	
 Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) 	
Vert: 1-2=-235, 3-4=-58, 4-6=-58, 6-7=-51, 6-10=-20	
Horz: 3-4=38, 4-6=-38, 6-7=-31	
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=-235, 3-4=-58, 4-6=-58, 6-7=11, 6-10=-20 Horz: 3-4=38, 4-6=-38, 6-7=31	
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=-179, 3-4=-13, 4-6=11, 6-7=4, 6-10=-12	
Horz: 3-4=1, 4-6=23, 6-7=16	
 Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) 	
Vert: 1-2=-191, 3-4=11, 4-6=-13, 6-7=2, 6-10=-12	
Horz: 3-4=-23, 4-6=-1, 6-7=14	
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf) Vert: 1-2=-201, 3-4=-35, 4-6=-11, 6-7=-4, 6-10=-20	
Horz: 3-4=15, 4-6=9, 6-7=16	
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60	
Uniform Loads (plf)	
Vert: 1-2=-213, 3-4=-11, 4-6=-35, 6-7=-28, 6-10=-20	
Horz: 3-4=-9, 4-6=-15, 6-7=-8 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=	-1.60
Uniform Loads (plf)	-1.00
Vert: 1-2=-179, 3-4=21, 4-6=9, 6-7=2, 6-10=-12	
Horz: 3-4=-33, 4-6=21, 6-7=14	
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase	=1.60
Uniform Loads (plf) Vert: 1-2=-191, 3-4=9, 4-6=21, 6-7=14, 6-10=-12	
Horz: 3-4=-21, 4-6=33, 6-7=26	
14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=	=1.60
Uniform Loads (plf)	
Vert: 1-2=-179, 3-4=21, 4-6=9, 6-7=2, 6-10=-12 Horz: 3-4=-33, 4-6=21, 6-7=14	
15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=	=1 60
Uniform Loads (plf)	
Vert: 1-2=-191, 3-4=9, 4-6=21, 6-7=14, 6-10=-12	
Horz: 3-4=-21, 4-6=33, 6-7=26	
 Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase= 	=1.60
Uniform Loads (plf) Vert: 1-2=-201, 3-4=-1, 4-6=-13, 6-7=-6, 6-10=-20	
Horz: 3-4=-19, 4-6=7, 6-7=14	
17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase	⊭=1.60
Uniform Loads (plf)	
Vert: 1-2=-213, 3-4=-13, 4-6=-1, 6-7=6, 6-10=-20 Horz: 3-4=-7, 4-6=19, 6-7=26	
18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90	
Uniform Loads (plf)	
Vert: 1-2=-220, 3-4=-20, 4-7=-20, 6-10=-20	
19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60	, Plate Increase=1.60
Uniform Loads (plf) Vert: 1-2=-236, 3-4=-61, 4-6=-43, 6-7=-38, 6-10=-20	
Horz: 3-4=11, 4-6=7, 6-7=12	
20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.6	30, Plate Increase=1.60
Uniform Loads (plf)	
Vert: 1-2=-245, 3-4=-43, 4-6=-61, 6-7=-56, 6-10=-20	

Horz: 3-4=-7, 4-6=-11, 6-7=-6

on p

21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

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Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs
					E15384755
J0221-0664	B2	ROOF SPECIAL	1	2	
					Job Reference (optional)
Comtech, Inc,	Fayetteville, NC - 28314,			8.330 s C	Oct 7 2020 MiTek Industries, Inc. Fri Feb 5 10:16:48 2021 Page 3

ID:1yUksKymplk2404ufZYCrxyoKUD-tkmTJ_n15kU3TmvvOZAi13b09iOj65fXK8L01pzoDOD

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-236, 3-4=-36, 4-6=-45, 6-7=-40, 6-10=-20

Horz: 3-4=-14, 4-6=5, 6-7=10

22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=-245, 3-4=-45, 4-6=-36, 6-7=-31, 6-10=-20

Horz: 3-4=-5, 4-6=14, 6-7=19

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-2=-260, 3-4=-60, 4-7=-20, 6-10=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-220, 3-4=-20, 4-7=-60, 6-10=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-250, 3-4=-50, 4-7=-20, 6-10=-20

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-2=-220, 3-4=-20, 4-7=-50, 6-10=-20

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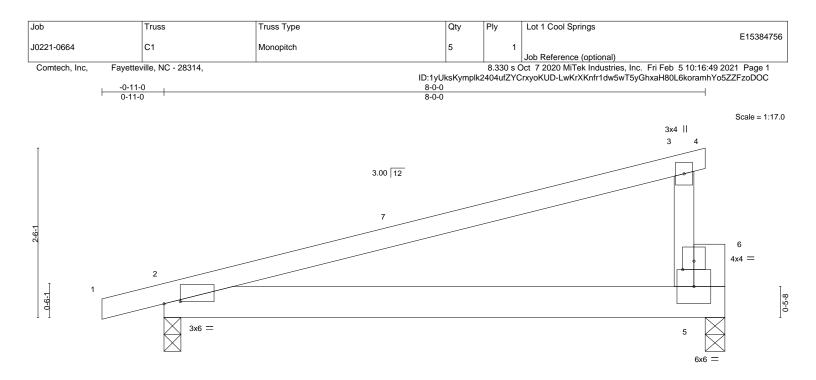


Plate Offsets (X,Y)	[2:0-2-14,0-0-6], [6:0-2-0,0-1-8]								
OADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL 1.15	TC 0.84	Vert(LL) -	0.05	2-5	>999	360	MT20	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(CT) -	0.10	2-5	>969	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL)	0.10	2-5	>886	240	Weight: 37 lb	FT = 20%
UMBER-	-		BRACING-						
TOP CHORD 2x4 SF	' No.1		TOP CHORD	5	Structu	ral wood	sheathing dir	ectly applied or 5-3-4	oc purlins,
BOT CHORD 2x6 SF	' No.1					end verti	•	, ,,	• •
NEBS 2x4 SF	9 No.2		BOT CHORD	F	Rigid co	eiling dire	ectly applied o	or 10-0-0 oc bracing.	
OTHERS 2x6 SF	' No.1				0	Ū	,	0	

Max Horz 2=74(LC 8) Max Uplift 2=-150(LC 8), 5=-127(LC 8) Max Grav 2=375(LC 1), 5=314(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 8-0-0 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.

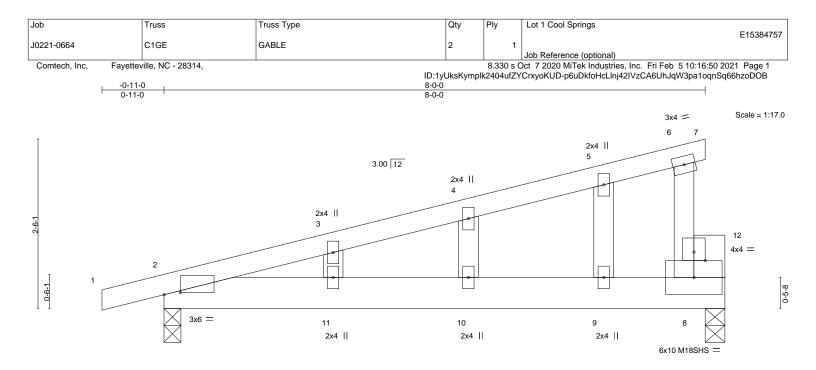
3) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=150, 5=127.



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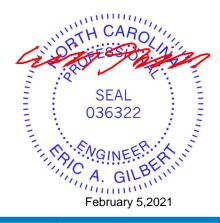
DEFL. in (loc) l/defl L/d Vert(LL) 0.09 10-11 >999 240 Vert(OT) 0.09 10-14 200 040	PLATES GRIP MT20 244/190 M420100 244/190
Vert(CT) -0.08 10-11 >999 240 Horz(CT) -0.00 8 n/a n/a	M18SHS 244/190 Weight: 41 lb FT = 20%
	ectly applied or 6-0-0 oc purlins,
	r 10-0-0 oc bracing.
-	Vert(CT) -0.08 10-11 >999 240 Horz(CT) -0.00 8 n/a n/a BRACING- TOP CHORD Structural wood sheathing dire except end verticals.

Max Uplift 2=-216(LC 8), 8=-188(LC 8) Max Grav 2=375(LC 1), 8=314(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. BOT CHORD 2-11=-284/207, 10-11=-284/207, 9-10=-284/207, 8-9=-284/207

NOTES-

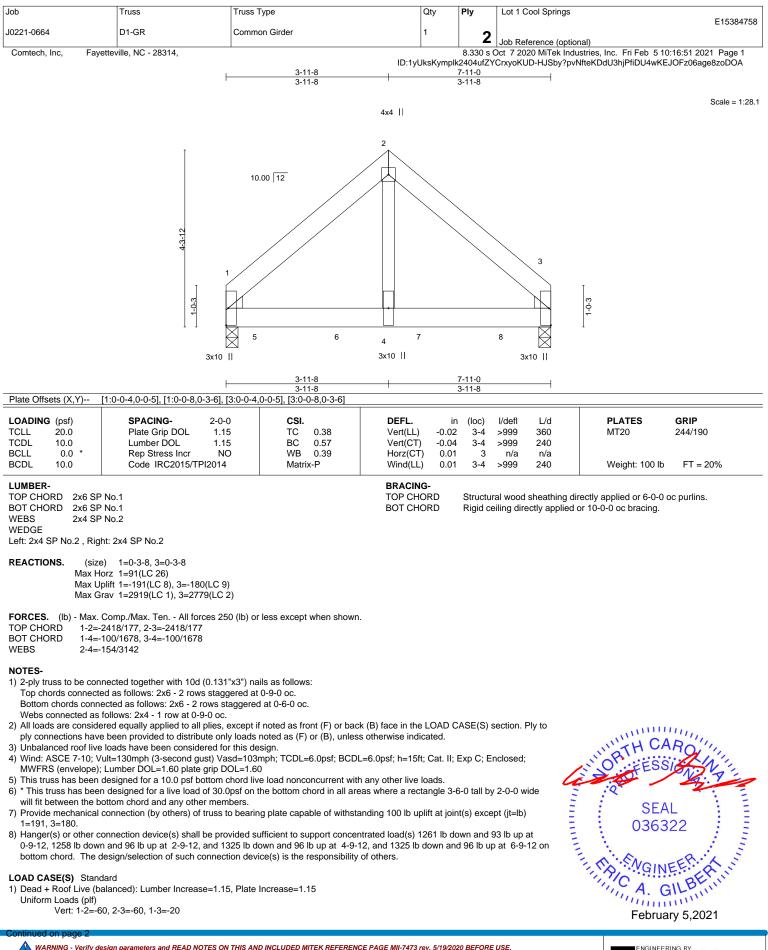
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed 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) All plates are MT20 plates unless otherwise indicated.
- 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=216, 8=188.



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Edenton, NC 27932



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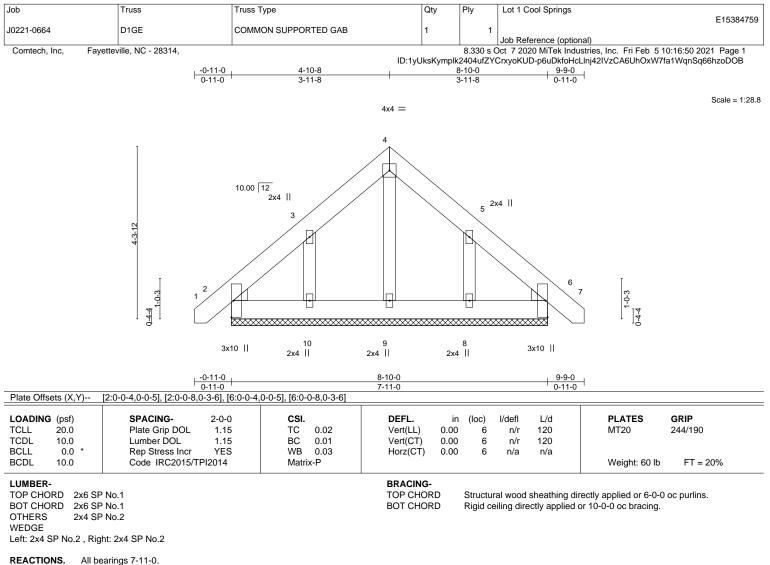
Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs		
					E15384758		
J0221-0664	D1-GR	Common Girder	1	2			
				_	Job Reference (optional)		
Comtech, Inc,	Fayetteville, NC - 28314,			8.330 s (Oct 7 2020 MiTek Industries, Inc. Fri Feb 5 10:16:51 2021 Page 2		
		ID:1yUksKymplk2404ufZYCrxyoKUD-HJSby?pvNfteKDdU3hjPfiDU4wKEJOFz06age8zoDOA					

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 5=-1261(B) 6=-1258(B) 7=-1258(B) 8=-1258(B)

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(lb) - Max Horz 2=-118(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-152(LC 12), 8=-148(LC 13) Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

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

NOTES-

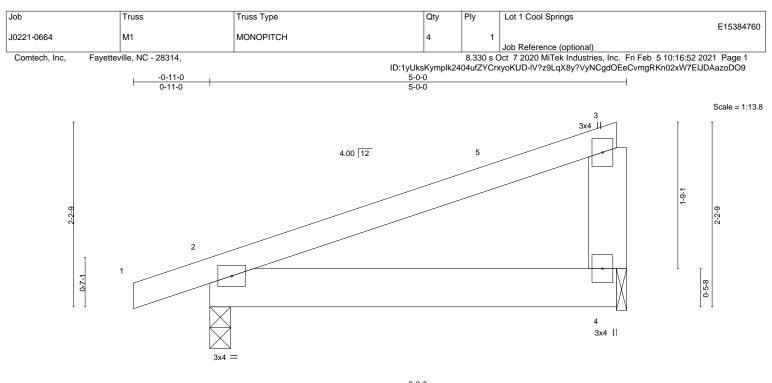
1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=152, 8=148.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



818 Soundside Road Edenton, NC 27932

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	5-0-0							
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 0.28	Vert(LL) -0.01	2-4	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.08	Vert(CT) -0.01	2-4	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00		n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P	Wind(LL) 0.01	2-4	>999	240	Weight: 24 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.1BOT CHORD2x6 SP No.1WEBS2x6 SP No.1

REACTIONS. (size) 2=0-3-0, 4=0-1-8

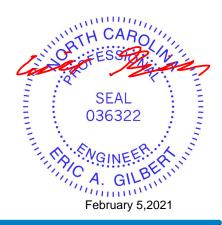
Max Horz 2=63(LC 8) Max Uplift 2=-102(LC 8), 4=-79(LC 8)

Max Grav 2=255(LC 1), 4=179(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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 4-9-4 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=102.

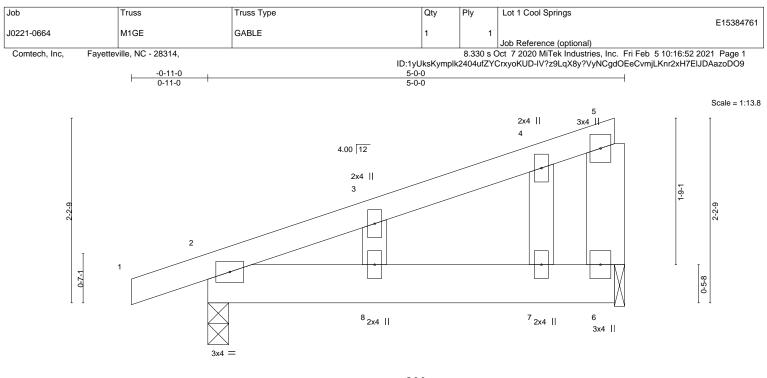


Structural wood sheathing directly applied or 5-0-0 oc purlins,

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

except end verticals.

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	ł				<u> </u>						
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	0.09	Vert(LL)	0.01	8	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	8	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI	2014	Matri	x-S						Weight: 27 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 2=0-3-0, 6=0-1-8 Max Horz 2=90(LC 8) Max Uplift 2=-147(LC 8), 6=-115(LC 8) Max Grav 2=255(LC 1), 6=179(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=147, 6=115.



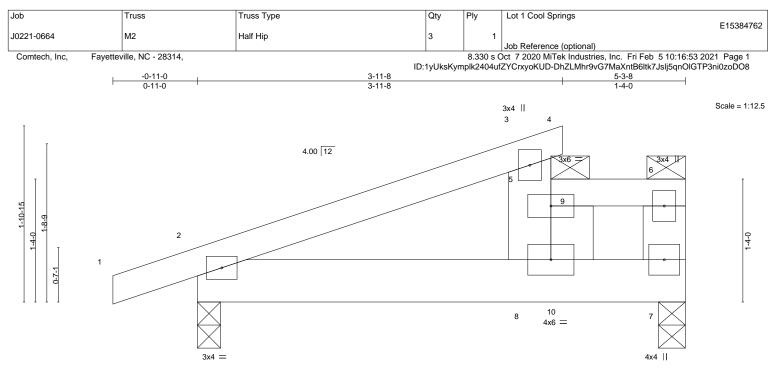
818 Soundside Road Edenton, NC 27932

Structural wood sheathing directly applied or 5-0-0 oc purlins,

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

except end verticals.

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			3-11-8 3-11-8					<u>5-3-8</u> 1-4-0	
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 0.24	Vert(LL) -0	0.00	8	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.24	Vert(CT) -(0.01	8	>999	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) -(0.00	7	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R	Wind(LL) (0.02	8	>999	240	Weight: 28 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBE	R-
-------	----

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

REACTIONS. (size) 7=0-3-8, 2=0-3-0 Max Horz 2=69(LC 12)

Max Uplift 7=-173(LC 8), 2=-138(LC 8)

Max Grav 7=561(LC 19), 2=349(LC 1)

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

2-3=-425/505, 5-8=-279/265, 5-6=-233/338, 6-7=-292/309 TOP CHORD

BOT CHORD 2-8=-546/359 7-8=-338/233

NOTES-

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-7-4, Interior(1) 3-7-4 to 5-0-12 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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) except (jt=lb) 7=173, 2=138.

7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). 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: 1-3=-60, 3-4=-60, 5-9=-40, 6-9=-80, 2-7=-20
 - Concentrated Loads (lb) Vert: 9=-400

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, 5-9=-100, 6-9=-130, 2-7=-20



Structural wood sheathing directly applied or 5-3-8 oc purlins,

except end verticals, and 2-0-0 oc purlins: 3-8, 5-6. Except:

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

10-0-0 oc bracing: 3-5



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

Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs	
J0221-0664	M2		3	1		E15384762
JUZZ 1-0004	IVIZ	Half Hip	3	· ·	Job Reference (optional)	
Comtech, Inc, Fayette	eville, NC - 28314,		ID:1vUksKvn			s, Inc. Fri Feb 5 10:16:53 2021 Page 2 37MaXntB6ltk7Jslj5gnOlGTP3ni0zoDO8
	- J		,			
LOAD CASE(S) Standard Concentrated Loads (Ib						
Vert: 9=-350 3) Dead + Uninhabitable A	Attic Without Storage: Lumber	Increase=1.25, Plate Increase=1.25				
Uniform Loads (plf)		increase=1.25, 1 late increase=1.25				
Vert: 1-3=-20, Concentrated Loads (Ib	3-4=-20, 5-6=-40, 2-7=-40					
Vert: 9=-300						
 Dead + 0.6 C-C Wind (I Uniform Loads (plf) 	Pos. Internal) Case 1: Lumber	Increase=1.60, Plate Increase=1.60				
Vert: 1-2=70, 2	2-3=58, 3-4=153, 5-6=12, 2-8=	52, 8-10=115, 7-10=52				
Horz: 1-2=-82, Concentrated Loads (Ib	2-3=-70, 3-4=-165, 3-5=-55					
Vert: 9=548	,					
5) Dead + 0.6 C-C Wind (I Uniform Loads (plf)	Pos. Internal) Case 2: Lumber	Increase=1.60, Plate Increase=1.60				
Vert: 1-2=51, 2	2-3=58, 3-4=51, 5-6=42, 2-8=5	2, 8-10=115, 7-10=52				
Horz: 1-2=-63, Concentrated Loads (Ib	2-3=-70, 3-4=-63, 3-5=-55					
Vert: 9=566						
Uniform Loads (plf)	Neg. Internal) Case 1: Lumber	r Increase=1.60, Plate Increase=1.60				
	-3=-45, 3-4=17, 5-6=-58, 2-8= 2-3=25, 3-4=-37, 3-5=51	-9, 8-10=2, 7-10=-9				
Concentrated Loads (lb						
Vert: 9=-420	Nea Internal) Case 2: Lumbe	r Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf)	. ,					
	2-3=-45, 3-4=-39, 5-6=-58, 2-8 2-3=25, 3-4=19, 3-5=51	3=-9, 8-10=2, 7-10=-9				
Concentrated Loads (Ib						
Vert: 9=-420 8) Dead + 0 6 MWFRS Wi	ind (Pos. Internal) Left. Lumbe	er Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf)	, , , , , , , , , , , , , , , , , , ,					
	2-3=21, 3-4=14, 5-6=-11, 2-8= 2-3=-33, 3-4=-26, 3-5=7	10, 8-10=33, 7-10=10				
Concentrated Loads (lb						
Vert: 9=154 9) Dead + 0.6 MWFRS Wi	ind (Pos. Internal) Right: Lum!	per Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf)						
	3=12, 3-4=28, 5-6=1, 2-7=-12 2-3=-24, 3-4=-40, 3-5=-27					
Concentrated Loads (lb Vert: 9=43))					
10) Dead + 0.6 MWFRS V	Vind (Neg. Internal) Left: Lum	ber Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf) Vert: 1-2=6 2	2-3=-1, 3-4=6, 5-6=-33, 2-8=2,	8-10=25 7-10=2				
Horz: 1-2=-26	6, 2-3=-19, 3-4=-26, 3-5=34	0.10.20,1.10.2				
Concentrated Loads (Vert: 9=-339	lb)					
11) Dead + 0.6 MWFRS V	Vind (Neg. Internal) Right: Lur	nber Increase=1.60, Plate Increase=1.60)			
Uniform Loads (plf) Vert: 1-2=-2,	2-3=-9, 3-4=-2, 5-6=-21, 2-7=-	-20				
Horz: 1-2=-18	8, 2-3=-11, 3-4=-18, 3-5=-0					
Concentrated Loads (Vert: 9=-234	(סו					
12) Dead + 0.6 MWFRS V Uniform Loads (plf)	Vind (Pos. Internal) 1st Paralle	el: Lumber Increase=1.60, Plate Increase	e=1.60			
u ,	2-3=21, 3-4=14, 5-6=-11, 2-7	=-12				
Horz: 1-2=-26 Concentrated Loads (6, 2-3=-33, 3-4=-26, 3-5=-39					
Vert: 9=43						
 Dead + 0.6 MWFRS V Uniform Loads (plf) 	Vind (Pos. Internal) 2nd Parall	el: Lumber Increase=1.60, Plate Increas	e=1.60			
Vert: 1-2=2, 2	2-3=9, 3-4=2, 5-6=1, 2-7=-12					
Horz: 1-2=-14 Concentrated Loads (4, 2-3=-21, 3-4=-14, 3-5=-27 lb)					
Vert: 9=43	· ·					
14) Dead + 0.6 MWFRS V Uniform Loads (plf)	Vind (Pos. Internal) 3rd Paralle	el: Lumber Increase=1.60, Plate Increase	e=1.60			
Vert: 1-2=14,	2-3=21, 3-4=14, 5-6=-11, 2-7	=-12				
Horz: 1-2=-26 Concentrated Loads (6, 2-3=-33, 3-4=-26, 3-5=-39 lb)					
Vert: 9=43		ali Lumbor Ingrange 4.00. Dista kas	-1.60			
15) Dead + 0.6 MWERS V	vind (Pos. internal) 4th Paralle	el: Lumber Increase=1.60, Plate Increase	9.1°=			

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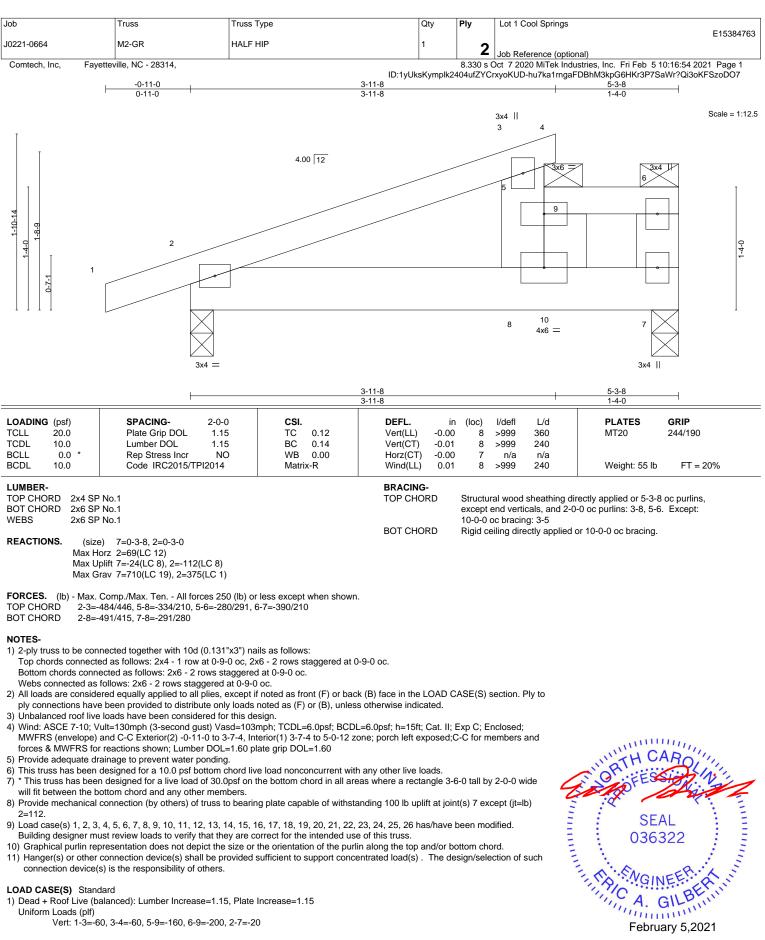
Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs
					E15384762
J0221-0664	M2	Half Hip	3	1	
					Job Reference (optional)

Fayetteville, NC - 28314, 8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Feb 5 10:16:53 2021 Page 3 Comtech, Inc, ID:1yUksKymplk2404ufZYCrxyoKUD-DhZLMhr9vG7MaXntB6ltk7Jslj5qnOIGTP3ni0zoDO8 LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-2=2, 2-3=9, 3-4=2, 5-6=1, 2-7=-12 Horz: 1-2=-14, 2-3=-21, 3-4=-14, 3-5=-27 Concentrated Loads (lb) Vert: 9=43 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=-1, 3-4=6, 5-6=-33, 2-7=-20 Horz: 1-2=-26, 2-3=-19, 3-4=-26, 3-5=-12 Concentrated Loads (lb) Vert: 9=-234 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-6, 2-3=-13, 3-4=-6, 5-6=-21, 2-7=-20 Horz: 1-2=-14, 2-3=-7, 3-4=-14, 3-5=-0 Concentrated Loads (lb) Vert: 9=-234 18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 5-6=-120, 2-7=-20 Concentrated Loads (lb) Vert: 9=-200 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=-31, 2-3=-36, 3-4=-31, 5-9=-95, 6-9=-125, 2-8=-3, 8-10=13, 7-10=-3 Horz: 1-2=-19, 2-3=-14, 3-4=-19, 3-5=26 Concentrated Loads (lb) Vert: 9=-454 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=-37, 2-3=-42, 3-4=-37, 5-9=-86, 6-9=-116, 2-7=-20 Horz: 1-2=-13, 2-3=-8, 3-4=-13, 3-5=-0 Concentrated Loads (lb) Vert: 9=-375 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=-31, 2-3=-36, 3-4=-31, 5-9=-95, 6-9=-125, 2-7=-20 Horz: 1-2=-19, 2-3=-14, 3-4=-19, 3-5=-9 Concentrated Loads (lb) Vert: 9=-375 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=-40, 2-3=-45, 3-4=-40, 5-9=-86, 6-9=-116, 2-7=-20 Horz: 1-2=-10, 2-3=-5, 3-4=-10, 3-5=-0 Concentrated Loads (lb) Vert: 9=-375 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 5-6=-40, 2-7=-20 Concentrated Loads (lb) Vert: 9=-400 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 5-9=-40, 6-9=-80, 2-7=-20 Concentrated Loads (lb) Vert: 9=-400 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, 5-6=-100, 2-7=-20 Concentrated Loads (lb) Vert: 9=-350 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, 5-9=-100, 6-9=-130, 2-7=-20 Concentrated Loads (lb) Vert: 9=-350

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Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs	
			Qly	FIY	Lot I Cool Springs	E15384763
J0221-0664	M2-GR	HALF HIP	1	2	Job Reference (optional)	
Comtech, Inc, Fayetter	ville, NC - 28314,				oct 7 2020 MiTek Industries, Inc. Fri Feb	
Uniform Loads (plf) Vert: 1-3=-50, 3 Concentrated Loads (lb) Vert: 9=-350 3) Dead + Uninhabitable A Uniform Loads (plf)) balanced) + 0.75 Attic Floor: 3-4=-50, 5-9=-220, 6-9=-250,) ttic Without Storage: Lumber 3-4=-20, 5-6=-160, 2-7=-40	Lumber Increase=1.15, Plate Increase=		404ufZYCr	xyoKUD-hu7ka1mgaFDBhM3kpG6HKr3l	₽7SaWr?Qi3oKFSzoDO7
Uniform Loads (plf) Vert: 1-2=70, 2: Horz: 1-2=-82, 3 Concentrated Loads (lb) Vert: 9=548 5) Dead + 0.6 C-C Wind (F Uniform Loads (plf) Vert: 1-2=51, 2: Horz: 1-2=-63, 1-2=-63, 3 Concentrated Loads (lb)	-3=58, 3-4=153, 5-6=-108, 2- 2-3=-70, 3-4=-165, 3-5=-55) Pos. Internal) Case 2: Lumber -3=58, 3-4=51, 5-6=-78, 2-8= 2-3=-70, 3-4=-63, 3-5=-55	Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf) Vert: 1-2=-1, 2- Horz: 1-2=-19, 1 Concentrated Loads (lb) Vert: 9=-420	3=-45, 3-4=17, 5-6=-178, 2-8 2-3=25, 3-4=-37, 3-5=51)					
Uniform Loads (plf) Vert: 1-2=-39, 2 Horz: 1-2=19, 2 Concentrated Loads (lb) Vert: 9=-420 8) Dead + 0.6 MWFRS Win Uniform Loads (plf) Vert: 1-2=36, 2-	2-3=-45, 3-4=-39, 5-6=-178, 2 2-3=25, 3-4=19, 3-5=51 and (Pos. Internal) Left: Lumbe -3=21, 3-4=14, 5-6=-131, 2-8	er Increase=1.60, Plate Increase=1.60				
Concentrated Loads (Ib) Vert: 9=154 9) Dead + 0.6 MWFRS Win Uniform Loads (plf) Vert: 1-2=6, 2-3 Horz: 1-2=18, Concentrated Loads (Ib) Vert: 9=43	nd (Pos. Internal) Right: Luml 3=12, 3-4=28, 5-6=-119, 2-7= 2-3=-24, 3-4=-40, 3-5=-27)					
Uniform Loads (plf) Vert: 1-2=6, 2 Horz: 1-2=-26 Concentrated Loads (II Vert: 9=-339	-3=-1, 3-4=6, 5-6=-153, 2-8=2 , 2-3=-19, 3-4=-26, 3-5=34 b)					
Uniform Loads (plf) Vert: 1-2=-2, 2 Horz: 1-2=-18 Concentrated Loads (II Vert: 9=-234	2-3=-9, 3-4=-2, 5-6=-141, 2-7 , 2-3=-11, 3-4=-18, 3-5=-0 b)					
Uniform Loads (plf) Vert: 1-2=14, Horz: 1-2=-26 Concentrated Loads (II Vert: 9=43	2-3=21, 3-4=14, 5-6=-131, 2- , 2-3=-33, 3-4=-26, 3-5=-39 b)					
Uniform Loads (plf) Vert: 1-2=2, 2-	-3=9, 3-4=2, 5-6=-119, 2-7=- , 2-3=-21, 3-4=-14, 3-5=-27	el: Lumber Increase=1.60, Plate Increas	se=1.60			
	/ind (Pos. Internal) 3rd Parall	el: Lumber Increase=1.60, Plate Increase	e=1.60			

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ſ	Job	Truss	Truss Type	Qty	Ply	Lot 1 Cool Springs
	J0221-0664	M2-GR	HALF HIP	1	_	E15384763
					2	Job Reference (optional)

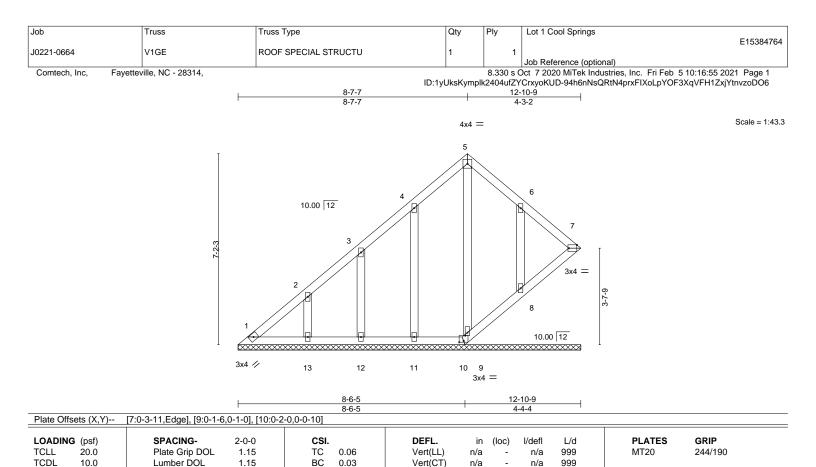
Comtech, Inc, Fayetteville, NC - 28314,

8.330 s Oct 7 2020 MiTek Industries, Inc. Fri Feb 5 10:16:54 2021 Page 3 ID:1yUksKymplk2404ufZYCrxyoKUD-hu7ka1rngaFDBhM3kpG6HKr3P7SaWr?Qi3oKFSzoDO7

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-2=14, 2-3=21, 3-4=14, 5-6=-131, 2-7=-12 Horz: 1-2=-26, 2-3=-33, 3-4=-26, 3-5=-39 Concentrated Loads (lb) Vert: 9=43 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=2, 2-3=9, 3-4=2, 5-6=-119, 2-7=-12 Horz: 1-2=-14, 2-3=-21, 3-4=-14, 3-5=-27 Concentrated Loads (lb) Vert: 9=43 16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 2-3=-1, 3-4=6, 5-6=-153, 2-7=-20 Horz: 1-2=-26, 2-3=-19, 3-4=-26, 3-5=-12 Concentrated Loads (lb) Vert: 9=-234 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-6, 2-3=-13, 3-4=-6, 5-6=-141, 2-7=-20 Horz: 1-2=-14, 2-3=-7, 3-4=-14, 3-5=-0 Concentrated Loads (lb) Vert: 9=-234 18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 5-6=-240, 2-7=-20 Concentrated Loads (lb) Vert: 9=-200 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=-31, 2-3=-36, 3-4=-31, 5-9=-215, 6-9=-245, 2-8=-3, 8-10=13, 7-10=-3 Horz: 1-2=-19, 2-3=-14, 3-4=-19, 3-5=26 Concentrated Loads (lb) Vert: 9=-454 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=-37, 2-3=-42, 3-4=-37, 5-9=-206, 6-9=-236, 2-7=-20 Horz: 1-2=-13, 2-3=-8, 3-4=-13, 3-5=-0 Concentrated Loads (lb) Vert: 9=-375 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=-31, 2-3=-36, 3-4=-31, 5-9=-215, 6-9=-245, 2-7=-20 Horz: 1-2=-19, 2-3=-14, 3-4=-19, 3-5=-9 Concentrated Loads (lb) Vert: 9=-375 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=-40, 2-3=-45, 3-4=-40, 5-9=-206, 6-9=-236, 2-7=-20 Horz: 1-2=-10, 2-3=-5, 3-4=-10, 3-5=-0 Concentrated Loads (lb) Vert: 9=-375 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-60, 3-4=-60, 5-6=-160, 2-7=-20 Concentrated Loads (lb) Vert: 9=-400 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 5-9=-160, 6-9=-200, 2-7=-20 Concentrated Loads (lb) Vert: 9=-400 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-50, 3-4=-50, 5-6=-220, 2-7=-20 Concentrated Loads (lb) Vert: 9=-350 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15. Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-20, 3-4=-20, 5-9=-220, 6-9=-250, 2-7=-20 Concentrated Loads (lb) Vert: 9=-350







Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

0.00

7

n/a

n/a

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

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

Weight: 75 lb

FT = 20%

FORCES.	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.
TOP CHOR	D 1-2=-295/189

NOTES-

BCLL

BCDL

LUMBER-

OTHERS

TOP CHORD

BOT CHORD

REACTIONS.

0.0

2x4 SP No 1

2x4 SP No.1

2x4 SP No.2

All bearings 12-10-9.

Max Horz 1=231(LC 12)

10.0

(lb) -

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

8=-126(LC 13)

Rep Stress Incr

Code IRC2015/TPI2014

YES

Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 9, 11, 12, 13, 8

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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

WB

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 10 except 11=-112(LC 12), 12=-107(LC 12), 13=-133(LC 12),

Matrix-S

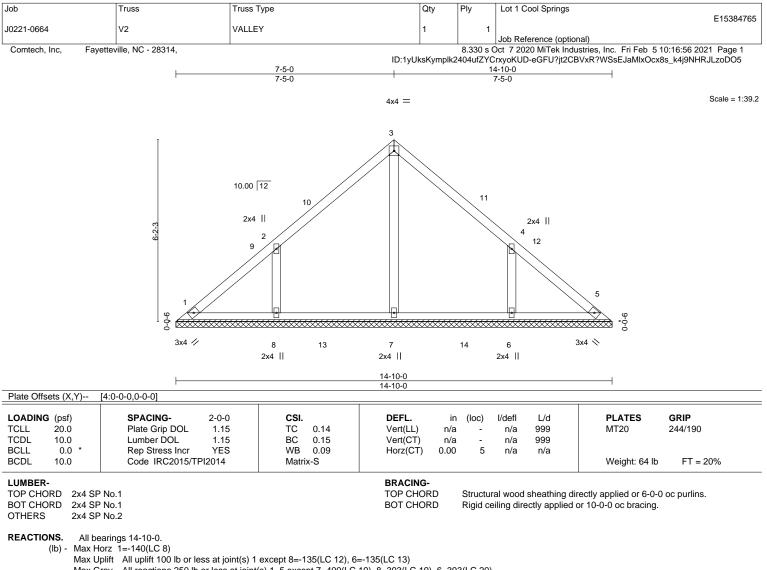
0.08

- 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) Bearing at joint(s) 7, 9, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 10 except (jt=lb) 11=112, 12=107, 13=133, 8=126.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 7, 9, 8.





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Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=400(LC 19), 8=393(LC 19), 6=393(LC 20)

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

WEBS 2-8=-338/247, 4-6=-338/247

NOTES-

 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 7-5-0, Exterior(2) 7-5-0 to 11-9-13, Interior(1) 11-9-13 to 14-5-3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 2) Orbit environment of the target the target the second seco

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.

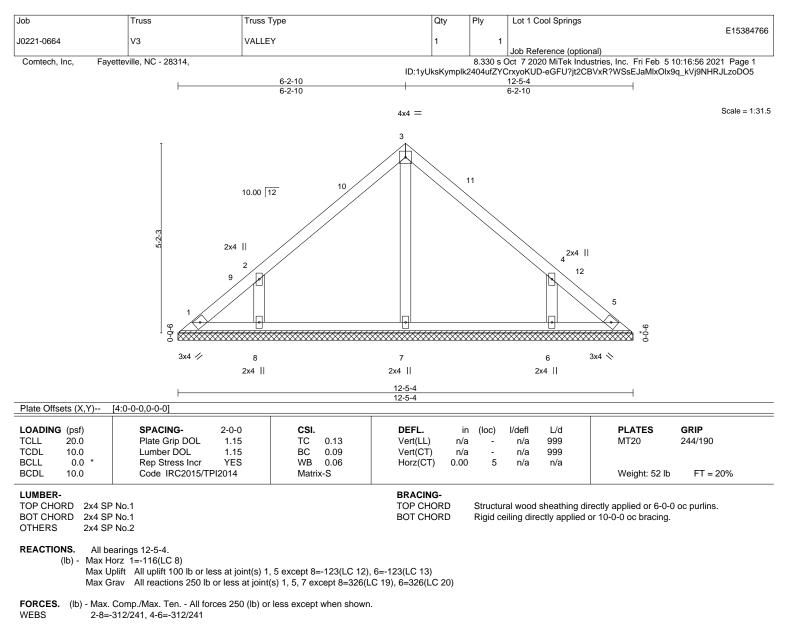
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=135, 6=135.



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



NOTES-

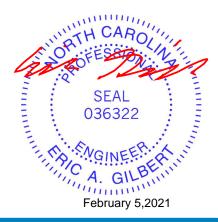
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-13 to 4-9-10, Interior(1) 4-9-10 to 6-2-10, Exterior(2) 6-2-10 to 10-7-7, Interior(1) 10-7-7 to 12-0-7 zone;C-C for members and forces & MWFRS 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.

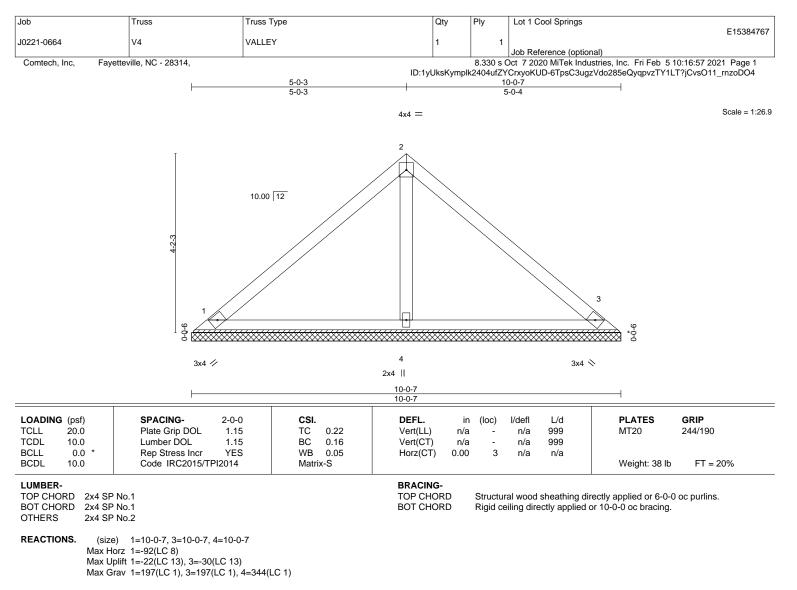
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=123, 6=123.



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



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

NOTES-

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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.

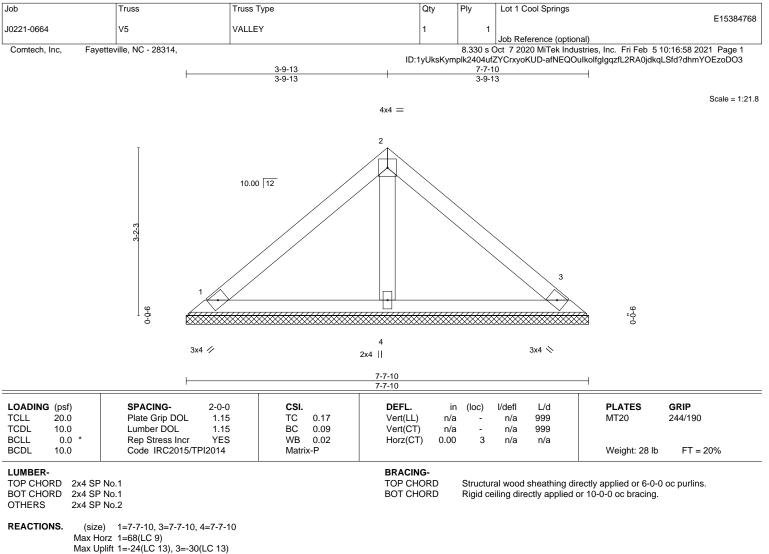
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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



Max Grav 1=158(LC 1), 3=158(LC 1), 4=230(LC 1)

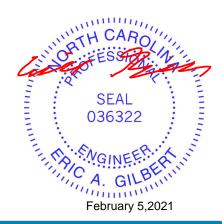
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

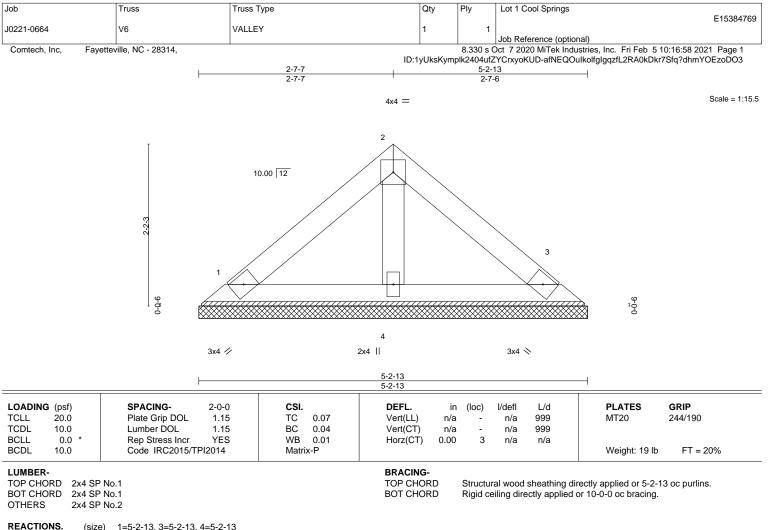
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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.



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TIONS. (size) 1=5-2-13, 3=5-2-13, 4=5-2-13 Max Horz 1=-44(LC 8)

Max Uplift 1=-15(LC 13), 3=-19(LC 13)

Max Grav 1=102(LC 1), 3=102(LC 1), 4=149(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; 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

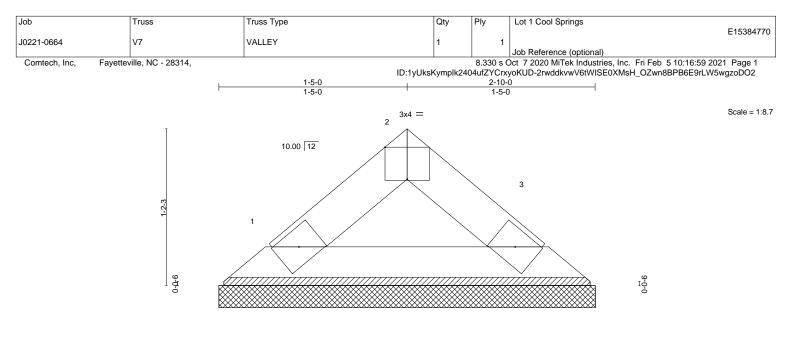
3) Gable requires continuous bottom chord bearing.

- 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.



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A MiTek Affiliat 818 Soundside Road Edenton, NC 27932



3x4 🥢

3x4 📎

Plate Offsets (X,Y) [[2:0-2-0,Edge]		2-10-0					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.01 BC 0.03 WB 0.00 Matrix-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (lo n/a n/a 0.00	oc) l/defl - n/a - n/a 3 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 8 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP			BRACING- TOP CHORD BOT CHORD				ectly applied or 2-1 or 10-0-0 oc bracing	

REACTIONS. (size) 1=2-10-0, 3=2-10-0 Max Horz 1=-20(LC 8)

Max Uplift $1=-4(LC \ 12)$, $3=-4(LC \ 13)$ Max Grav $1=81(LC \ 1)$, $3=81(LC \ 1)$

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=130mph (3-second gust) Vasd=103mph; 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.



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 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 truss systems, see
 ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

