

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J0624-3321 Weaver/Lot 17 West Preserve/Harnett

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: I66147379 thru I66147406

My license renewal date for the state of North Carolina is December 31, 2024.

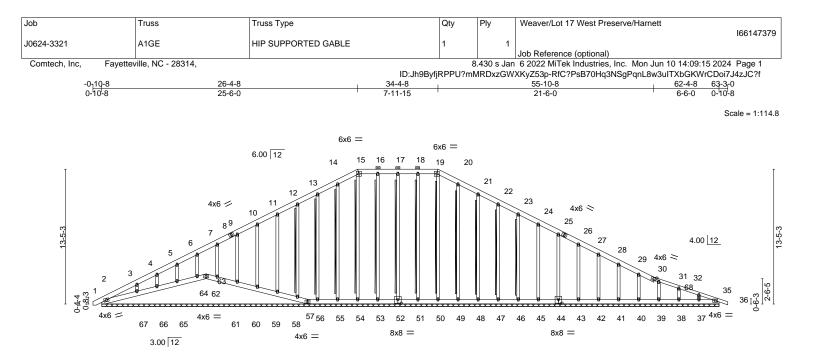
North Carolina COA: C-0844



June 12,2024

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.



-0 <u>-10-8</u> 0-10-8	11-3-4 10-4-12	21-4-8 10-1-4					-4-8 -0-0			<u>63-3</u> -0 0-10-8
Plate Offsets (X,Y)	[44:0-4-0,0-4-8], [52:0-4-	-0,0-4-8]		1					T	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/T	2-0-0 1.15 1.15 YES PI2014	CSI. TC 0.07 BC 0.04 WB 0.14 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 -0.00 0.01	(loc) 35 35 35	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20 Weight: 593 lb	GRIP 244/190 FT = 20%
31-36: BOT CHORD 2x6 SP OTHERS 2x4 SP REACTIONS. All be (lb) - Max H Max U	earings 61-6-0. orz 2=266(LC 12) plift All uplift 100 lb or li 61, 62, 64, 65, 66, 4 except 2=-101(LC 1 rav All reactions 250 lb	9, 48, 47, 46, 45 3), 67=-145(LC o or less at joint(62, 64, 65, 66, 4	5, 44, 43, 42, 41, 40, 39, 12) s) 2, 63, 57, 50, 51, 52, 5 9, 48, 47, 46, 45, 44, 43,	38, 37, 35 53, 54, 55,	D	2-0-0 o Rigid co T-Brace Fasten (0.131"	c purlins eiling dire e: (2X) T a x3") nails	(6-0-0 max.) ectly applied and I braces	or 10-0-0 oc bracing. 2x4 SPF No.2 - 19-50, , 15-54, 14-55, 13-56, 22-47, 23-46 to narrow edge of web th 3in minimum end dis	18-51, 17-52, 16-53 12-58, 20-49, 21-48, with 10d
TOP CHORD 2-3=- 12-13 17-16 22-23 BOT CHORD 2-67- 62-63 57-58	Comp./Max. Ten All fo 355/145, 3-4=-251/144, 3=-143/443, 13-14=-165/ 3=-166/521, 18-19=-166/ 3=-123/368, 23-24=-103/ s=-76/255, 66-67=-80/258 3=-75/254, 61-62=-77/25 3=-72/257 s-194/308	9-10=-83/269, 1 505, 14-15=-181 521, 19-20=-181 310, 24-25=-83/ , 65-66=-75/257	0-11=-103/327, 11-12=- //548, 15-16=-166/521, 7 //532, 20-21=-165/488, 2 252 , 64-65=-77/257, 63-64=	123/385, 16-17=-166/521, 21-22=-143/426, -75/254,					NORTH C	AROUNT
 Wind: ASCE 7-10; V gable end zone and 33-5-5, Corner(3) 33 Lumber DOL=1.60 p Truss designed for v 	e loads have been consic fult=130mph Vasd=103m C-C Corner(3) -0-8-10 to -5-5 to 39-6-0, Exterior(2 ilate grip DOL=1.60 vind loads in the plane of s applicable, or consult o	nph; TCDL=6.0p 5 5-6-0, Exterior 2) 39-6-0 to 62-4 f the truss only.	sf; BCDL=6.0psf; h=15ft (2) 5-6-0 to 25-6-11, Cor -8 zone;C-C for membe For studs exposed to wi	ner(3) 25-6-11 to 3 rs and forces & MV nd (normal to the f	81-6-0, VFRS f	Exterior(or reacti	(2) 31-6-(ons show	Cope) D to vn; stry	036 NGI	NEER GILBER ne 12,2024
Continued on page 2									04	110 12,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job		Truss	Truss Type	Qty	Ply	Weaver/Lot 17 West Preserve/Harnett
J0624-3321		A1GE	HIP SUPPORTED GABLE	1	1	166147379
00024-0021		AIGE		1		Job Reference (optional)
Comtech, Inc,	Fayettev	ville, NC - 28314,		8	.430 s Jan	6 2022 MiTek Industries, Inc. Mon Jun 10 14:09:16 2024 Page 2

NOTES-

ID:Jh9ByfjRPPU?mMRDxzGWXKyZ53p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.

5) Provide adequate drainage to prevent water ponding.

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

7) Gable requires continuous bottom chord bearing.

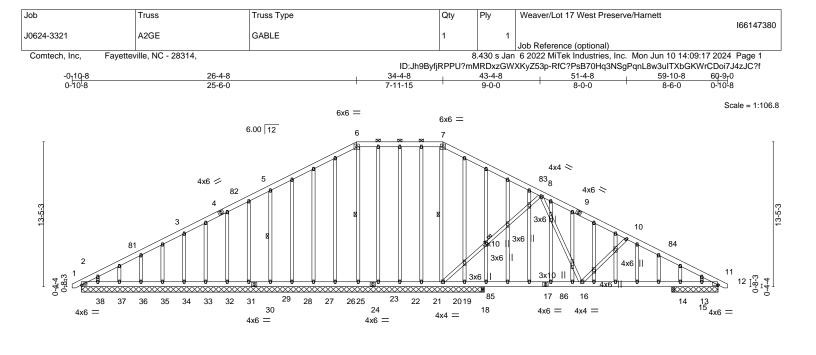
8) Gable studs spaced at 2-0-0 oc.

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

- 10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 57, 51, 52, 53, 55, 56, 58, 59, 60, 61, 62, 64, 65, 66, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 35 except (jt=lb) 2=101, 67=145.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) 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. 1/2/2023 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/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)





-0 ₁ <u>10-8</u> 0-10-8	<u> </u>		34-4-8 7-11-15	47-1-8 12-9-0		59-10-8 12-9-0	<u> 60-9</u> -0 0-10-8
	[2:Edge,0-2-0], [11:0-0-4,0-0-8]						
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 0.33 BC 0.40 WB 0.61 Matrix-S	Vert(CT) Horz(CT)	in (loc) l/defl -0.10 16-18 >999 -0.14 16-18 >999 0.01 20 n/a 0.03 16 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 642 lb	GRIP 244/190 FT = 20%
15=0 (lb) - Max H Max U	9 No.1 9 No.2 9 No.2 9 No.2	7 except 2=-117(LC 19),), 38=-271(LC 12), 19=-4 =-160(LC 13), 34=-398(L (s) 2, 22, 23, 26, 27, 28, 3 LC 2), 20=1280(LC 24), 2	25=-123(LC 160(LC 18), .C 12) 31, 32, 33, 9=542(LC 19),	2-0-0 oc purlin Rigid ceiling di	s (10-0-0 max.): rectly applied or ing: 19-20,18-19	ctly applied or 6-0-0 c 6-7. 6-0-0 oc bracing, E; 16-18,15-16,14-15,1 25, 7-20, 5-29, 8-20	xcept:
TOP CHORD 2-3=- 10-1' BOT CHORD 2-38- 33-34 27-22 21-22 15-10 WEBS 6-25=	Comp./Max. Ten All forces 250 (lb) or 335/409, 3-5=-91/385, 5-6=-41/397, 6-7 1=-1156/449 =-267/402, 37-38=-267/402, 36-37=-267 4=-267/402, 32-33=-267/402, 31-32=-26 3=-267/402, 20-21=-270/402, 19-20=-29 5=-268/919, 14-15=-268/919, 13-14=-26 =-569/212, 7-20=-626/247, 5-29=-488/38 =-129/586, 10-16=-420/337	=0/306, 7-8=0/409, 8-10= /402, 35-36=-267/402, 34 7/402, 29-31=-267/402, 2 7/402, 23-25=-270/402, 2 /426, 18-19=-29/426, 16- 8/919, 11-13=-268/919	=-797/389, 1-35=-267/402, 28-29=-267/402, 22-23=-270/402, 18=-29/426,			THO FEES	AROLIN
 2) Wind: ASCE 7-10; V gable end zone and 59-8-10 zone;C-C fc 3) Truss designed for v Gable End Details a 4) Provide adequate dr 5) All plates are 2x4 M 6) Gable studs spaced 7) This truss has been 8) * This truss has bee 	a loads have been considered for this de /ult=130mph Vasd=103mph; TCDL=6.0 C-C Exterior(2) -0-8-10 to 5-2-3, Interio or members and forces & MWFRS for re vind loads in the plane of the truss only. s applicable, or consult qualified building rainage to prevent water ponding. T20 unless otherwise indicated. at 2-0-0 oc. designed for a 10.0 psf bottom chord liv n designed for a live load of 30.0psf on bottom chord and any other members, w	bsf; BCDL=6.0psf; h=15ft; (1) 5-2-3 to 25-6-0, Exter actions shown; Lumber D For studs exposed to wi g designer as per ANSI/T e load nonconcurrent with he bottom chord in all are	rior(2) 25-6-0 to 41-1 IOL=1.60 plate grip nd (normal to the fac Pl 1. h any other live load	10-2, İnterior(1) 41-10 DOL=1.60 ce), see Standard Ind	-2 to ustry	CA.	• -
WARNING - Verify Design valid for use of a truss system. Befor building design. Brac is always required for	design parameters and READ NOTES ON THIS ANI only with MiTek® connectors. This design is based re use, the building designer must verify the applica- cing indicated is to prevent buckling of individual tru- stability and to prevent collapse with possible per- delivery, erection and bracing of trusses and truss s	only upon parameters shown, a bility of design parameters and ss web and/or chord members of sonal injury and property damage	nd is for an individual buil properly incorporate this o only. Additional temporar e. For general guidance	lding component, not design into the overall y and permanent bracing regarding the	nstitute (www.tpinst.	org) 818 Soundside	RING BY

and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 17 West Preserve/Harnett		
					l66147380		
J0624-3321	A2GE	GABLE	1	1			
					Job Reference (optional)		
Comtech, Inc, Fayettev	rille, NC - 28314,		8	.430 s Jan	6 2022 MiTek Industries, Inc. Mon Jun 10 14:09:17 2024 Page 2		
		ID:Jh9ByfjRPPU?mMRDxzGWXKyZ53p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f					

NOTES-

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37 except (jt=lb) 2=117, 25=123, 20=458, 29=364,

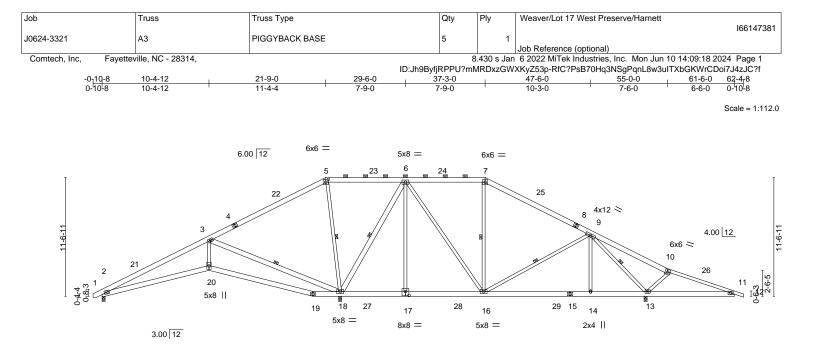
38=271, 19=460, 14=433, 13=210, 11=160, 34=398.

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

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

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Price Offseis (XY) [E63-30.5-4], [17:44-0.04-8] LOADING (pt) SPACING- Plans Grap DDL 1.15 TC 0.63 Var(LL) 0.12 1.02 920 920 SCLL 0.0 Lumber DDL 1.15 TC 0.63 Var(LL) 0.12 1.92 929 240 SCLL 0.0 Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.05 2.20 969 240 LUMBER Code IRC2015/TPI2014 Matrix-S Wind(LL) 0.05 2.20 969 240 Weight: 471 Ib FT = 20% LUMER TOP CHORD 2x6 SP No.1 Except' TOP CHORD Structural wood sheathing directly applied or 6-0-0 c purlins, except 2/0-0 2x6 SP No.1 BOT CHORD 2x8 SP No.2 BOT CHORD Rigd celling directly applied or 6-0-0 c bracing. WEBS (stap 2) 2x9-300, 23, 180-38, 180-		10-4-12 20-6-0 10-4-12 10-1-4	23-1-12 29-6-0 2-7-12 6-4-4	37-3-0 7-9-0	47-6-0 10-3-0	52-10-4 61-6-0 5-4-4 8-7-12						
TCDL 20.0 Plate Grip DOL 1.15 TCO 6.0 Vert(L) -0.12 13:20 >3989 800 MT20 244/190 CDL 10.0 Code IRC2015/TPI2014 Matrix-S Wert(L) -0.01 13:20 >399 260 MT20 244/190 LUMBER Code IRC2015/TPI2014 Matrix-S Wert(L) 0.05 2:20 >999 240 Weight: 471 lb FT = 20% LUMBER TOP CHORD 2x6 3P No.1 "Except" TOP CHORD 2x0 0 co putlins, except 2x-0 0 co putlins, except 10:12: 2x4 3P No.2 "Except" TOP CHORD Rigid celling directly applied or 6-0 o co bracing. WEBS 2x4 3P No.2 "Except" TOP CHORD Rigid celling directly applied or 6-0 o co bracing. WEBS (sta) 2x-0.0	Plate Offsets (X,Y)	[5:0-3-0,0-3-4], [17:0-4-0,0-4-8]										
TOP CHORD 2x6 SP No.1 *Except* TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x6 SP No.1 BOT CHORD Yes Participation Read to the participation of the partex and the partici	TCLL 20.0 TCDL 10.0 BCLL 0.0 *	Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	TC 0.63 BC 0.35 WB 0.67	Vert(LL) -0.12 Vert(CT) -0.24 Horz(CT) 0.04	19-20 >999 360 19-20 >999 240 18 n/a n/a	MT20 244/190						
 Max Hoirz 2=-149(LC 10) Max Upit 2=-13(LC 13), 18=-238(LC 12), 13=-202(LC 13) Max Grav 2=494(LC 23), 18=-2385(LC 2), 13=1853(LC 24) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-6190(.3-5=-194/1126, 5-6=-90/1011, 6-7=-525254, 7-9=-714/247, 9-10=-8421/221, 10-11=-837/950 BOT CHORD 2-20=0/598, 19=0/527, 17-18=-336/342, 16-17=-336/342, 14-16=-12/597, 13-14=-338/846 WEBS 5-18=-972/342, 6-18=-1618/306, 9-14=0/339, 6-17=0/496, 6-16=-123/794, 7-16=-421/225, 3-18=-1393/283, 3-20=0/710, 9-13=-2009/732 NOTES- 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15f; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exteriot(2) -0-4-10 to 3-8-3, 10 terior(1) 3-16-3 to 21-9-0, Exteriot(2) 21-9-0 to 26-1-13, Interior(1) 26-1-13 to 37-3-0, Exterior(2) 37-3-0 to 41-7-12, Interior(1) 41-7-12 to 62-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=-160 Dlate grip DOL=-160 3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection, or bracing. 3) WARNING: This long span truss requires extreme care and experience for proper and safe handling and the permanent Individual truss member restaint/bracing. MTEk assumes no responsibility for truss manufacture, handling, erection, or bracing. 4) Provide adequate drainage to prevent water ponding. 5) All plates are 4x6 MT20 unless otherwise indicated. 6) This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will it between the bottom chord and any other members, with BCDL = 10.0psf. 6) Bearing a toriad zonsiders parallel using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection	TOP CHORD2x6 SP No.1 *Except* 10-12: 2x4 SP No.1TOP CHORDStructural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.BOT CHORD2x6 SP No.1BOT CHORDRigid ceiling directly applied or 6-0-0 oc bracing.WEBS2x4 SP No.2 *Except* 6-18,3-18: 2x6 SP No.1BOT CHORDRigid ceiling directly applied or 6-0-0 oc bracing.											
 TOP CHORD 2-3=-619/0, 3-5=-19/1/126, 5-6=-90/10/11, 6-7=-525/254, 7-9=-714/247, 9-10=-842/1221, 10-11=-837/950 BOT CHORD 2-20=0/598, 19-20=0/598, 19-90/527, 17-18=-336/342, 16-17=-336/342, 14-16=-12/597, 13-14=-72/597, 13-14=-72/597, 11-13=-838/846 WEBS 5-18=-972/342, 6-18=-1618/306, 6-14=-0/339, 6-17=-0/496, 6-16=-123/794, 7-16=-421/225, 3-18=-1393/283, 3-20=0/710, 9-13=-2009/732 NOTES Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph Yasd=103mph; TCDL=60.psf; BCDL=6.0psf; h=15ff; 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 21-9-0, Exterior(2) 21-9-0 to 26-1-13, Interior(1) 26-1-13 to 37-3-0, Exterior(2) 37-3-0 to 41-7-12, Interior(1) 4-7-12 to 62-4-8 zone; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DDL=1.60 WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trussee (BCSI'), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent hall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MTek assumes no responsibility for truss manufacture, handling, erection, or bracing. Provide adequate drainage to prevent water ponding. All plates are 4x6 MT20 unless otherwise indicated. This truss has been designed for a 10:0 ps bottom chord in el areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCL = 10.0 psf. Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing su	Max H Max U	orz 2=-149(LC 10) plift 2=-13(LC 13), 18=-236(LC 12), 13										
 NOTES- Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph 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 21-9-0, Exterior(2) 21-9-0 to 26-1-13, Interior(1) 26-1-13 to 37-3-0, Exterior(2) 20-8:10 to 41-7-12, Itomeor (1) 41-7-12 to 62-4-8 zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MITek assumes no responsibility for truss manufacture, handling, erection, or bracing. Provide adequate drainage to prevent water ponding. All plates are 4x6 MT20 unless otherwise indicated. 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. Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing auface. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (tj=lb) 	TOP CHORD 2-3=- 9-10= BOT CHORD 2-20= 14-16 WEBS 5-18=	TOP CHORD 2-3=-619/0, 3-5=-194/1126, 5-6=-90/1011, 6-7=-525/254, 7-9=-714/247, 9-10=-842/1221, 10-11=-837/950 BOT CHORD 2-20=0/598, 19-20=0/598, 18-19=0/527, 17-18=-336/342, 16-17=-336/342, 14-16=-12/597, 13-14=-12/597, 11-13=-838/846 WEBS 5-18=-972/342, 6-18=-1618/306, 9-14=0/339, 6-17=0/496, 6-16=-123/794,										
Continued on page 2	 NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; V and C-C Exterior(2) Exterior(2) 37-3-0 to reactions shown; Lu 3) WARNING: This lor handling and erectio Trusses ("BCSI"), jo qualified registered of permanent individual bracing. 4) Provide adequate dr 5) All plates are 4x6 MT 6) This truss has been 7) * This truss has been 7) * This truss has been 7) * This truss has been 8) Bearing at joint(s) 2 capacity of bearing s 9) Provide mechanical 18=236, 13=202. 	e loads have been considered for this d (ult=130mph Vasd=103mph; TCDL=6.0 -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 21- 41-7-12, Interior(1) 41-7-12 to 62-4-8 a mber DOL=1.60 plate grip DOL=1.60 ng span truss requires extreme care an nguidance, see Guide to Good Practic intly produced by SBCA and TPI. The t design professional for the design and i I truss member restraint/bracing. MiTe rainage to prevent water ponding. T20 unless otherwise indicated. designed for a 10.0 psf bottom chord lin n designed for a live load of 30.0psf on votom chord and any other members, v considers parallel to grain value using a surface.	esign. psf; BCDL=6.0psf; h=15ft; Ca 9-0, Exterior(2) 21-9-0 to 26- tone; cantilever right exposed d experience for proper and s e for Handling, Installing & Br uilding owner or the owner's nspection of the temporary in k assumes no responsibility for ve load nonconcurrent with ar the bottom chord in all areas rith BCDL = 10.0psf. ANSI/TPI 1 angle to grain forr	1-13, Interior(1) 26-1- ; C-C for members ar afe handling and erec acing of Metal Plate (authorized agent sha stallation restraint/bra or truss manufacture, hy other live loads. where a rectangle 3-6 nula. Building design	13 to 37-3-0, hd forces & MWFRS for ction. For general Connected Wood Il contract with a icing and the handling, erection, or 6-0 tall by 2-0-0 wide er should verify	A. GILBE						

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss		Truss Type	Qty	Ply	Weaver/Lot 17 West Preserve/Harnett		
J0624-3321	A3		PIGGYBACK BASE	5	1	l66147381		
JU024-3321	AS		FIGGT BACK BASE	5		Job Reference (optional)		
Comtech, Inc,	Fayetteville, NC	- 28314,			3.430 s Jar	6 2022 MiTek Industries, Inc. Mon Jun 10 14:09:18 2024 Page 2		
			ID:Jh9	ID:Jh9ByfjRPPU?mMRDxzGWXKyZ53p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f				

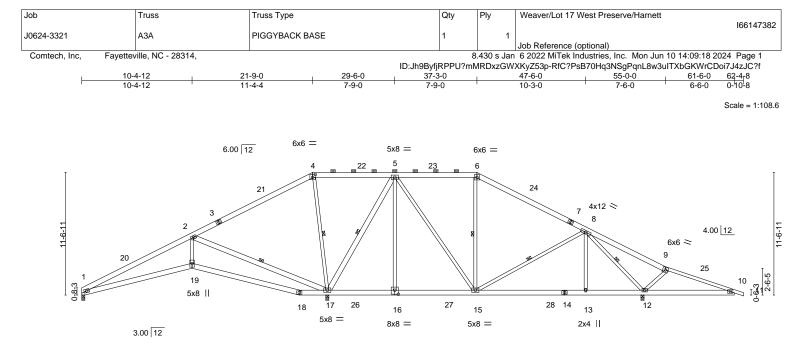
NOTES-

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

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

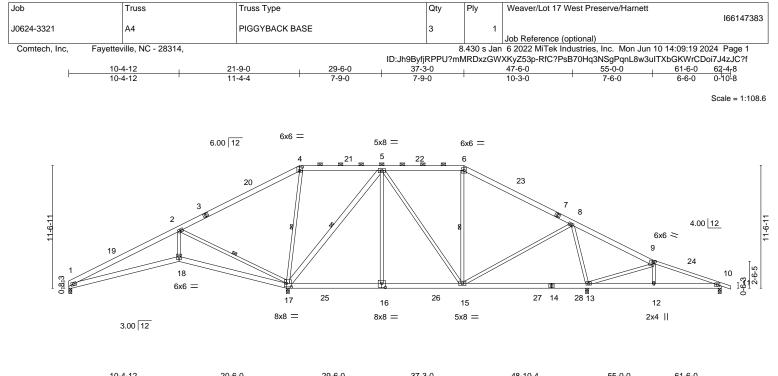
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)





⊢	10-4-12	20-6-0			7-3-0		47-6-0		2-10-4	61-6-0
Plate Offsets (X,	<u> </u>	<u> </u>	2-7-12 6	6-4-4	-9-0	-	10-3-0		5-4-4	8-7-12
		· •								
LOADING (psf) TCLL 20.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI. TC 0.63	DEF Vert		n (loc) 2 18-19	l/defl L/ >999 36		PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.36	Vert		18-19	>999 24		101120	244/190
BCLL 0.0		YES	WB 0.68	Horz	,		n/a n/			
BCDL 10.0	Code IRC2015/	PI2014	Matrix-S	Wind	LL) 0.05	5 1-19	>999 24	10	Weight: 4	69 lb FT = 20%
LUMBER-				BRA	ING-					
	2x6 SP No.1 *Except*			TOP	HORD					S-0-0 oc purlins, except
	0-11: 2x4 SP No.1			DOT			c purlins (6-0-			-
BOT CHORD 2 WEBS 2	2x6 SP No.1 2x4 SP No.2 *Except*			WEB	HORD		at midpt		6-0-0 oc bracir	ig. 5-15, 2-17, 8-12
	5-17,2-17: 2x6 SP No.1			VVED		TROW	ai mupi	4-1	17, 5-17, 6-15, 6	5-15, 2-17, 6-12
REACTIONS.	(size) 1=0-3-8, 17=0-3-8,	12=0-3-8								
	Max Horz 1=-149(LC 10) Max Uplift 1=-12(LC 13), 17=-	236(I C 12) 12=	-202(I C 13)							
	Max Grav 1=440(LC 23), 17=									
FORCES. (lb) - TOP CHORD	 Max. Comp./Max. Ten All for 1-2=-619/0, 2-4=-194/1129, 4 				221					
IOP CHORD	9-10=-837/950	-5=-90/1014, 5-	0=-524/255, 0-0=-7	13/247, 0-9=-042	221,					
BOT CHORD	1-19=0/598, 18-19=0/596, 17	-18=0/526, 16-1	7=-338/342, 15-16	=-338/342,						
	13-15=-12/597, 12-13=-12/59	,								
WEBS	4-17=-972/341, 5-17=-1619/3			=-128/795,						
	6-15=-421/228, 2-17=-1398/2	207, 2-19=0/712	, 0-12=-2009/732							
NOTES-										
	of live loads have been consi									
	7-10; Vult=130mph Vasd=103r							N N		and the second
	rior(2) 0-1-12 to 4-6-9, Interior('-12, Interior(1) 41-7-12 to 62-4							2)		0001111
	er DOL=1.60 plate grip DOL=1		ver fight exposed ,		iu iuices o		ion reactions		"I'STH	CARO
	his long span truss requires e		experience for pro	per and safe hand	ng and ere	ction. For	r general		ALL OPT	ESEID
	erection guidance, see Guide									L'AND THE
	SI"), jointly produced by SBCA							1 and 1	a ve	June -
	tered design professional for t lividual truss member restraint							annun a.		SEAL 36322
bracing.		bracing. Wirren	assumes no respo		anulaciule	, nanunng		=		SEAL
	uate drainage to prevent water	ponding.						-	: 0	36322 : =
	4x6 MT20 unless otherwise in									1 - E
	been designed for a 10.0 psf							-	· · · ·	
	as been designed for a live loa				ectangle 3-	6-0 tall b	y 2-0-0 wide		12.00	GINEEL
	n the bottom chord and any oth ht(s) 1 considers parallel to gra				dina dooia	oroboul	dvorify		1,710	Sille. Ex.
capacity of be		in value using A	INSI/TET Tangle to	grain ionnuia. Bu	ung desigi	ier should	u verity		111.1	4. GILD
	anical connection (by others) (of truss to bearin	g plate capable of	withstanding 100 I	uplift at joi	nt(s) 1 ex	cept (jt=lb)		1111	4. GIL
, 17=236, 12=2	02.			Ū	. ,	()	10,			June 12,2024
10) Graphical pu	rlin representation does not de	epict the size or	the orientation of th	e purlin along the	op and/or b	ottom ch	ord.			
	- Verify design parameters and READ N for use only with MiTek® connectors. 1									

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/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



L	10-4-12	20-6-0	29-6-0	37-3-0	48-10-4	55-0-0 61-6-0			
	10-4-12	10-1-4	9-0-0	7-9-0	11-7-4	6-1-12 6-6-0			
Plate Offsets (X,Y)	[4:0-3-0,0-4-0], [9:0-2-8,0	0-2-8], [16:0-4-0	0,0-4-8], [17:0-5-12,0-4-0]						
LOADING(psf)TCLL20.0TCDL10.0BCLL0.0BCDL10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/T	2-0-0 1.15 1.15 YES PI2014	CSI. TC 0.63 BC 0.36 WB 0.79 Matrix-S	Vert(LL) -0.10 Vert(CT) -0.2 Horz(CT) 0.03	n (loc) l/defl L/d) 13-15 >999 360 I 1-18 >999 240 3 10 n/a n/a I 1-18 >999 240	MT20 244/190			
BOT CHORD 2x6 SF WEBS 2x4 SF	2x4 SP No.1			BRACING- TOP CHORD BOT CHORD WEBS	2-0-0 oc purlins (6-0-0	hing directly applied or 6-0-0 oc purlins, except max.): 4-6. pplied or 6-0-0 oc bracing. 4-17, 5-17, 6-15, 2-17			
(lb) - Max H Max U			except 17=-175(LC 12), 1 (s) except 1=369(LC 23),						
TOP CHORD 1-2= 9-10: 9-10: BOT CHORD 16-1' WEBS 4-17: 6-15: 6-15:	-271/112, 2-4=-107/1112 =-425/309 7=-83/465, 15-16=-83/46 =-965/306, 5-17=-1508/2	, 4-5=0/767, 5-6 5, 13-15=-80/25 22, 5-15=-38/43	less except when shown. 6=-564/269, 6-8=-757/206 54, 12-13=-193/330, 10-12 34, 8-15=-64/561, 5-16=0/ 320, 2-18=0/461, 9-13=-64	5, 8-9=-248/471, 2=-209/338 /634,					
 Wind: ASCE 7-10; V and C-C Exterior(2) 37-3-0 to 41-7-12, II shown; Lumber DO WARNING: This lo handling and erectic Trusses ("BCSI"), jo qualified registered permanent individua bracing. Provide adequate d All plates are 4x6 M This truss has been 	0-1-12 to 4-6-9, Interior(nterior(1) 41-7-12 to 62-4 L=1.60 plate grip DOL=1. ng span truss requires ex on guidance, see Guide tr bintly produced by SBCA design professional for th al truss member restraint/ rainage to prevent water IT20 unless otherwise ind d designed for a 10.0 psf b	aph; TCDL=6.0p 1) 4-6-9 to 21-9 -8 zone; porch 60 treme care and o Good Practice and TPI. The bi ie design and ir bracing. MiTek ponding. icated. bottom chord liv	bsf; BCDL=6.0psf; h=15ft; -0, Exterior(2) 21-9-0 to 2 right exposed;C-C for mer e for Handling, Installing & uilding owner or the owne hspection of the temporary c assumes no responsibilit	6-1-13, Interior(1) 26-1- mbers and forces & MW d safe handling and ere & Bracing of Metal Plate r's authorized agent sha y installation restraint/br ty for truss manufacture	13 to 37-3-0, Exterior(2) FRS for reactions ction. For general	SEAL 036322			
 will fit between the b 8) Bearing at joint(s) 1 capacity of bearing 9) Provide mechanical 	 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, with BCDL = 10.0psf. 8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) June 12,2024 								

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) Contine127501 0=202 10=165.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

MEEDING

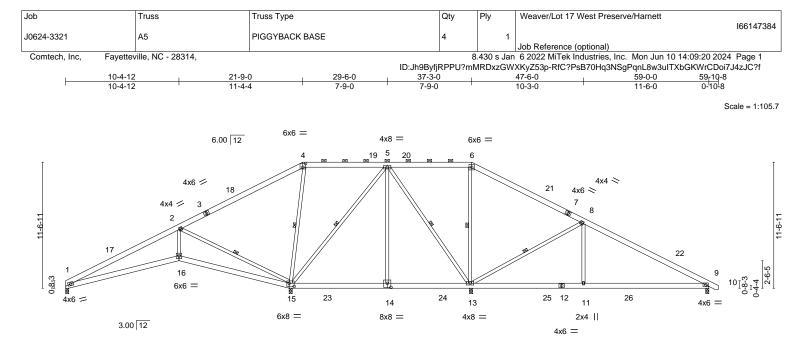
Job	Truss	Truss Type	Qty	Ply	Weaver/Lot 17 West Preserve/Harnett			
J0624-3321	A4	PIGGYBACK BASE	2	1	166147383			
JU024-332 I	A4	FIGGT BACK BASE	3	1	Job Reference (optional)			
Comtech, Inc, Fayettev	ille, NC - 28314,		8		6 2022 MiTek Industries, Inc. Mon Jun 10 14:09:19 2024 Page 2			
		ID:Jh9Byfjl	ID:Jh9ByfjRPPU?mMRDxzGWXKyZ53p-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f					

NOTES-

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

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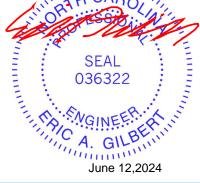




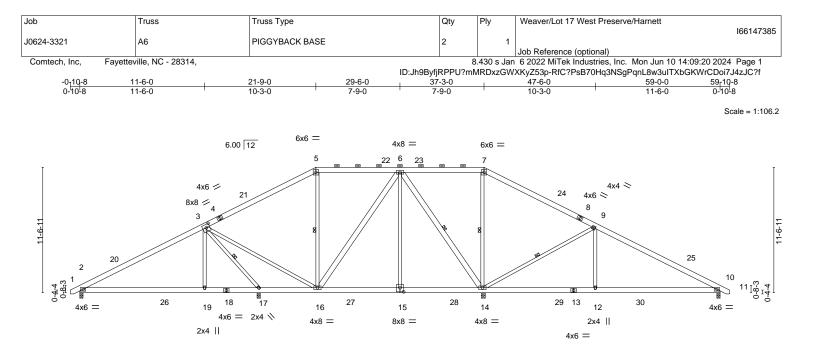
		-4-12	20-6-0	29-6-0	37-4-0			47-6-0		59-0-0	
		-4-12	10-1-4	9-0-0	7-10-0			10-2-0		11-6-0	
Plate Offs	ets (X,Y)	[4:0-3-0,0-4-0], [*	14:0-4-0,0-4-8], [15:0-5	-8,0-3-8]							
LOADING		SPACING		CSI.	DEFL.	in		l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip		TC 0.63			9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber D		BC 0.41			9-11	>999	240		
BCLL	0.0 *	Rep Stres		WB 0.84	()	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC	2015/TPI2014	Matrix-S	Wind(LL)	0.06	9-11	>999	240	Weight: 426 lb	FT = 20%
LUMBER	-			ll	BRACING-						
TOP CHC		No 1			TOP CHORE	ר	Structu	ral wood	sheathing dir	ectly applied or 6-0-0 c	oc purlins except
BOT CHC						2-0-0 oc purlins (10					
WEBS	2x4 SF		BOT CHORE					or 6-0-0 oc bracing.			
								at midpt		-15, 4-15, 5-15, 5-13, 6	6-13, 8-13
REACTIC	NS. All be	earings 0-3-8.								-, -,,-	-,
		lorz 1=-147(LC 1	0)								
	· · /	· · ·	,	except 15=-219(LC 12), 1	3=-111(LC 13), 9=	-102(L	_C 13)				
				(s) except 1=389(LC 23),				s), 9=696(LC		
		26)		(0) 0.000pt : 000(10 10);		0 2.0		,, 0 000(
		- /									
FORCES	. (lb) - Max.	Comp./Max. Ten	All forces 250 (lb) or	less except when shown.							
TOP CHO)RD 1-2=-	-351/92, 2-4=-107	7/1077, 4-5=0/744, 5-6=	=0/612, 6-8=0/751, 8-9=-7	76/169						
BOT CHO	DRD 1-16=	=-60/274, 15-16=	-59/269, 14-15=-392/26	61, 13-14=-392/261, 11-13	3=-17/614,						
	9-11=	=-17/614									
WEBS	2-16=	=0/481, 2-15=-12	00/354, 4-15=-948/323	, 5-15=-718/107, 5-14=0/6	62,						
	5-13=	=-729/139, 6-13=	-730/252, 8-13=-1323/3	356, 8-11=0/659							
NOTES-											
			n considered for this de								
				osf; BCDL=6.0psf; h=15ft;					pe)		
				-0, Exterior(2) 21-9-0 to 27							
				zone;C-C for members an	d forces & MWFRS	S for re	eactions	shown;			
		plate grip DOL=1.								, mm	11111
		rainage to preven								IN TH C	ARO
				e load nonconcurrent with						THORE S	O Lille
				he bottom chord in all are	as where a rectang	gle 3-6	5-0 tall by	y 2-0-0 wi	de	SOME	this N'11 -
			any other members, w						6	11/11/1	111 In
			el to grain value using A	NSI/TPI 1 angle to grain f	ormula. Building d	esigne	er should	d verify	1		
	ty of bearing s										
 Provide 	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) = SEAL =										

15=219, 13=111, 9=102.

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



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		<u>11-6-0</u> 11-6-0	<u>16-4-0 16-5-12</u> 4-10-0 0-1-12		<u>29-6-0</u> 7-9-0	37-2-4		7-3-0 0-12	47-6- 10-3-	-	<u>59-0-0</u> 11-6-0	
late Offse	ets (X,Y)	[3:0-4-0,0-3-8], [15:0-4-	0,0-4-8]									
.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	0.59	Vert(LL)	-0.11	2-19	>999	360	MT20	244/190
CDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.25	2-19	>800	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/	TPI2014	Matri	x-S	Wind(LL)	0.06	10-12	>999	240	Weight: 462 lb	FT = 20%
UMBER-						BRACING-						
OP CHO	RD 2x6 S	P No.1				TOP CHOR	D	Structu	ral wood	sheathing di	irectly applied or 6-0-0 c	oc purlins, except
OT CHO	RD 2x6 S	P No.1						2-0-0 o	c purlins	(6-0-0 max.)	: 5-7.	
VEBS	2x4 S	P No.2 *Except*				BOT CHOR	D	Rigid c	eiling dire	ectly applied	or 10-0-0 oc bracing,	Except:
	6-16,0	6-14: 2x6 SP No.1						6-0-0 o	c bracing	: 16-17.	0.	·
						WEBS		1 Row	at midpt	, t	5-16, 6-14, 7-14, 9-14, 3	3-17
REACTIO	NS. All b	pearings 0-3-8 except (jt=	length) 14=0-4-	4.								
	(lb) - Max	Horz 2=-146(LC 10)										
	May	I Inlift All unlift 100 lb or	less at ioint(s) ?	1/ 10 exc	ant 17-106(I	C 12)						

Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 10 except 17=-106(LC 12)

Max Grav All reactions 250 lb or less at joint(s) except 2=820(LC 23), 14=2757(LC 2), 10=644(LC 24), 17=1051(LC 25)

- TOP CHORD 2-3=-1003/232, 3-5=-514/265, 5-6=-309/319, 6-7=0/710, 7-9=-2/876, 9-10=-629/143
- BOT CHORD 2-19=-77/807, 17-19=-78/805, 12-14=-5/470, 10-12=-5/470
- WEBS 3-19=0/479, 3-16=-25/473, 5-16=-343/169, 6-16=-79/332, 6-15=0/584, 6-14=-1385/278,
 - 7-14=-758/263, 9-14=-1324/357, 9-12=0/656, 3-17=-1375/338

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph 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 21-9-0, Exterior(2) 21-9-0 to 27-11-11, Interior(1) 27-11-11 to 37-3-0, Exterior(2) 37-3-0 to 43-5-10, Interior(1) 43-5-10 to 59-8-10 zone; 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.

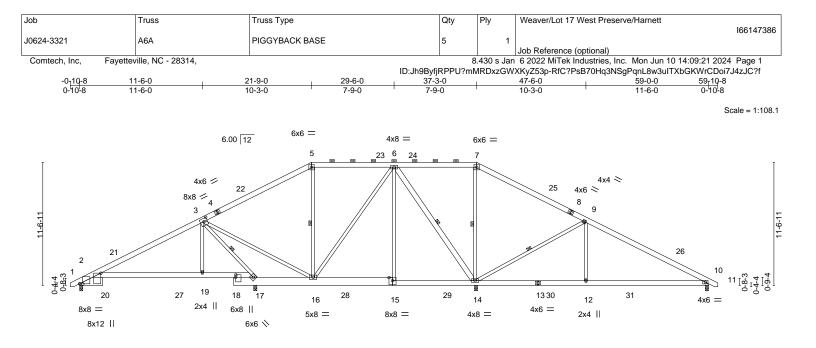
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 10 except (jt=lb) 17=106.
- Šee Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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



						50.0.0					
	<u>11-6-0</u> <u>16-4-0 16-5-12 2</u> 11-6-0 <u>4-10-0 0-1-12</u>				7-6-0)-3-0	<u>59-0-0</u> 11-6-0					
Plate Offsets (X,Y)	[2:0-3-7,0-0-2], [2:0-11-14,Edge], [3:0-4			10-12 10	-3-0	11-0-0					
		0,0 0 0], [10.0 4 0,0 0 0], [1	0.0 2 10,0 0 2]								
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc) l/d	efl L/d	PLATES	GRIP				
TCLL 20.0	Plate Grip DOL 1.15	TC 0.61	Vert(LL) -0.1			MT20	244/190				
TCDL 10.0	Lumber DOL 1.15	BC 0.46	Vert(CT) -0.2								
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.0		n/a n/a						
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		9 2-19 >9		Weight: 483 lb	FT = 20%				
LUMBER-			BRACING-								
TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except											
BOT CHORD 2x6 SP No.1 *Except* 2-0-0 oc purlins (10-0-0 max.): 5-7.											
2-20,15-18: 2x10 SP No.1 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:											
	SP No.2 *Except*				racing: 17-19.						
6-14	: 2x6 SP No.1		WEBS	1 Row at m	idpt	5-16, 6-14, 7-14, 9-14, 3	3-17				
REACTIONS. All bearings 0-3-8. (lb) - Max Horz 2=148(LC 11) Max Uplift All uplift 100 lb or less at joint(s) 2, 14 except 10=-106(LC 13), 17=-136(LC 12) Max Grav All reactions 250 lb or less at joint(s) except 2=528(LC 23), 14=2700(LC 2), 10=596(LC 24), 17=1478(LC 23)											
FORCES. (lb) - Ma	x. Comp./Max. Ten All forces 250 (lb) o	less except when shown.									
TOP CHORD 2-3	=-407/164, 3-5=-73/323, 5-6=0/274, 6-7=	0/870, 7-9=-28/1048, 9-10=-{	527/195								
	9=-100/272, 17-19=-82/270, 16-17=-861/	269, 15-16=-301/227, 14-15=	=-303/226,								
	·14=-117/374, 10-12=-117/374										
	9=0/373, 3-16=-59/893, 5-16=-536/196, 6		7-14=-840/275,								
9-1	14=-1327/358, 9-12=0/655, 3-17=-1647/3	65									
NOTES-											
	ive loads have been considered for this de	sian									
	; Vult=130mph Vasd=103mph; TCDL=6.0		at II: Exp.C: Enclose	d MWFRS (e	nvelone)						
	2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 21-				-0		110.				
	to 43-5-10, Interior(1) 43-5-10 to 59-8-10				wn [.]	111110	A. 5.111				
	 2) Wind: ASCE 7-10; Vult=130mph 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 21-9-0, Exterior(2) 21-9-0 to 27-11-11, Interior(1) 27-11-11 to 37-3-0, Exterior(2) 37-3-0 to 43-5-10, Interior(1) 43-5-10 to 59-8-10 zone;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 trues has been designed for a 10.0 pst bottom chord live load perconcurrent with any other live loads. 										
	drainage to prevent water ponding.					NON	D. Int				
	en designed for a 10.0 psf bottom chord liv	e load nonconcurrent with a	ny other live loads.			NUNORTH C	PN				
	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										
	s) This truss has been designed to a live load of soutps on the bottom chord in all areas where a rectangle 3-6-0 tail by 2-0-0 wide										

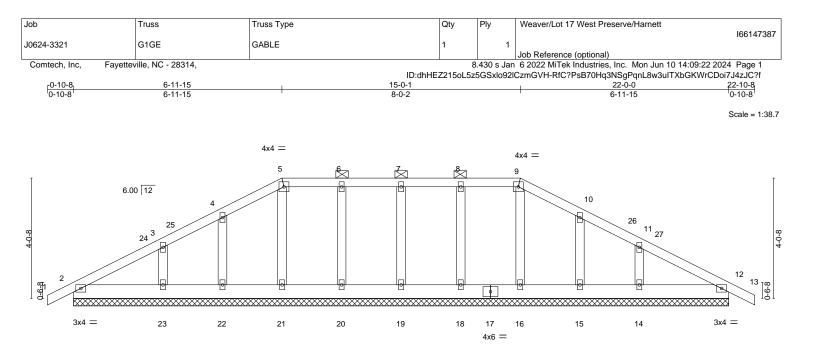
will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14 except (it=lb) 10=106. 17=136.

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

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



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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 0.08	Vert(LL)	0.00	12	n/r	120	MT20	244/190
	•							101120	244/190
CDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT)	0.00	12	n/r	120		
CLL 0.0 *	Rep Stress Incr YES	WB 0.04	Horz(CT)	0.00	12	n/a	n/a		
CDL 10.0	Code IRC2015/TPI2014	Matrix-S						Weight: 125 lb	FT = 20%

TOP CHORD 2x4 SP No.1

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

Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-9 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 22-0-0. Max Horz 2=80(LC 16) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 21, 22, 18, 16, 15, 12 except 23=-104(LC 12), 14=-103(LC 13) Max Grav All reactions 250 lb or less at joint(s) 2, 19, 20, 21, 22, 23, 18, 16, 15, 14, 12

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

NOTES-

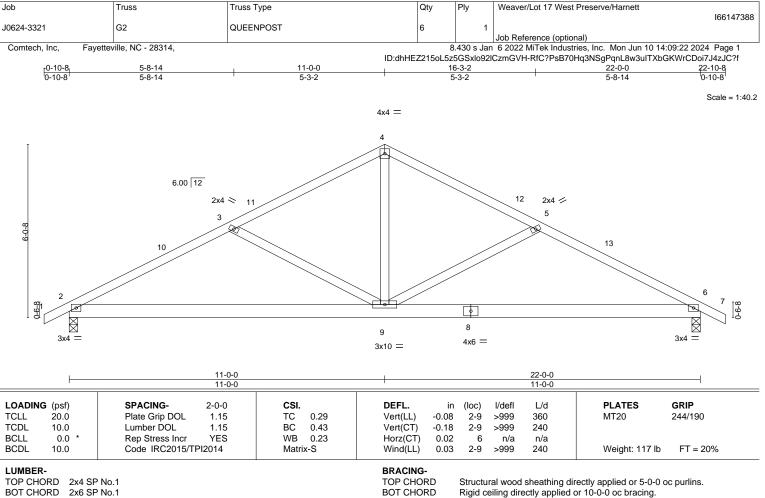
1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 7-0-6, Corner(3) 7-0-6 to 11-5-3, Exterior(2) 11-5-3 to 14-11-10, Corner(3) 14-11-10 to 19-4-7, Exterior(2) 19-4-7 to 22-10-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 9) will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 22, 18, 16, 15, 12 except (jt=lb) 23=104, 14=103.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

REACTIONS. 6=0-3-8, 2=0-3-8 (size) Max Horz 2=77(LC 11) Max Uplift 6=-66(LC 13), 2=-66(LC 12) Max Grav 6=930(LC 1), 2=930(LC 1)

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

2-3=-1425/377, 3-4=-1076/286, 4-5=-1076/286, 5-6=-1425/377 TOP CHORD

BOT CHORD 2-9=-249/1194, 6-9=-258/1194

WEBS 3-9=-365/248, 4-9=-76/632, 5-9=-365/248

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 11-0-0, Exterior(2) 11-0-0 to 15-4-13, Interior(1) 15-4-13 to 22-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

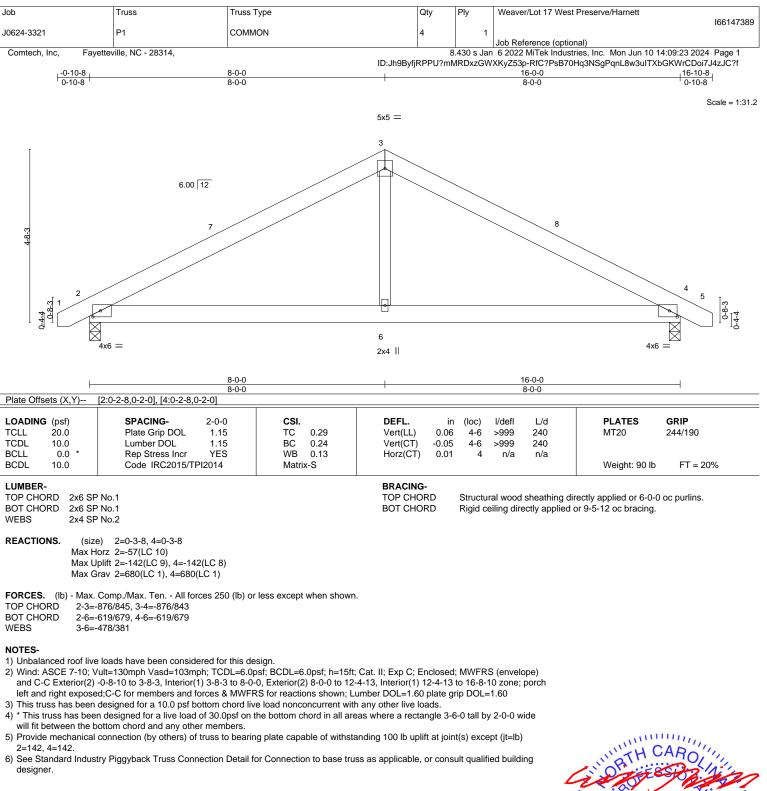
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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) 6, 2.

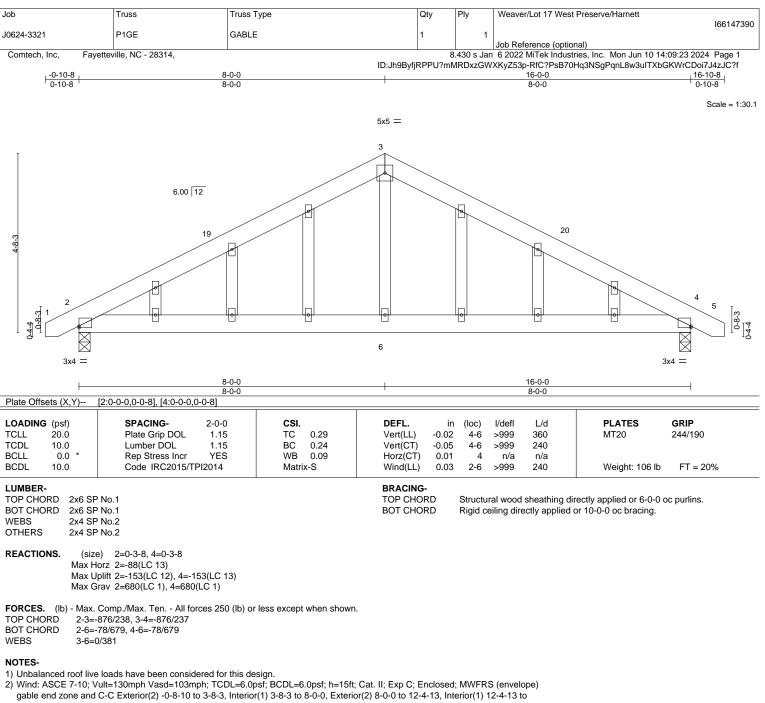


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gable end 20he and C-C Extend (2) -05-10 (0.55-5, methol (1) 55-5 (0.56-6), Extend (2) 50-5 (0.12-4-15, methol (1) 1 16-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face) see Standa

 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.
 All plates are 2x4 MT20 unless otherwise indicated.

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.

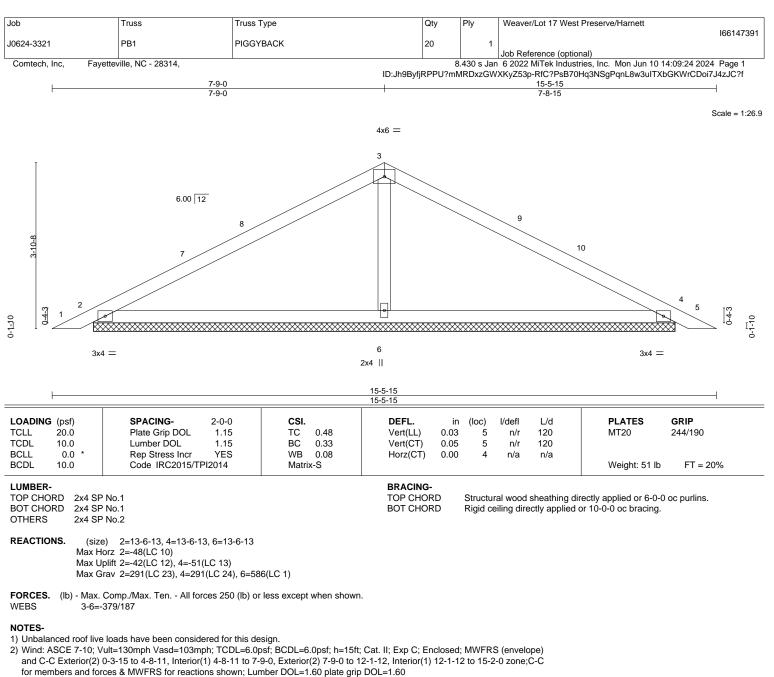
7) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=153, 4=153.

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



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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) 2, 4.

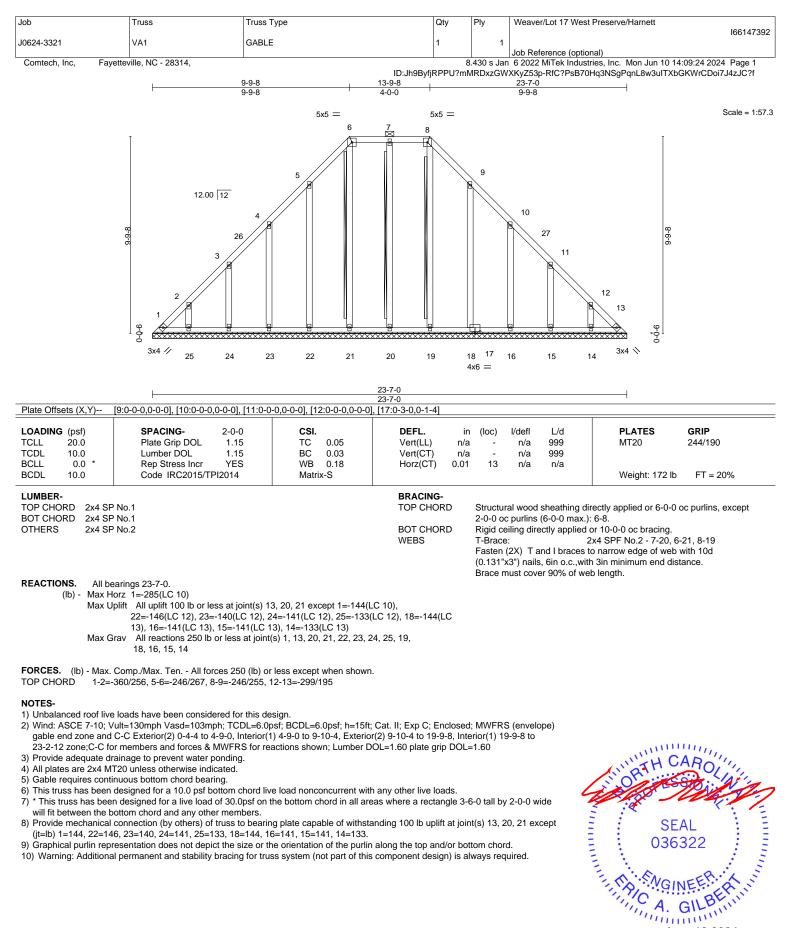
 See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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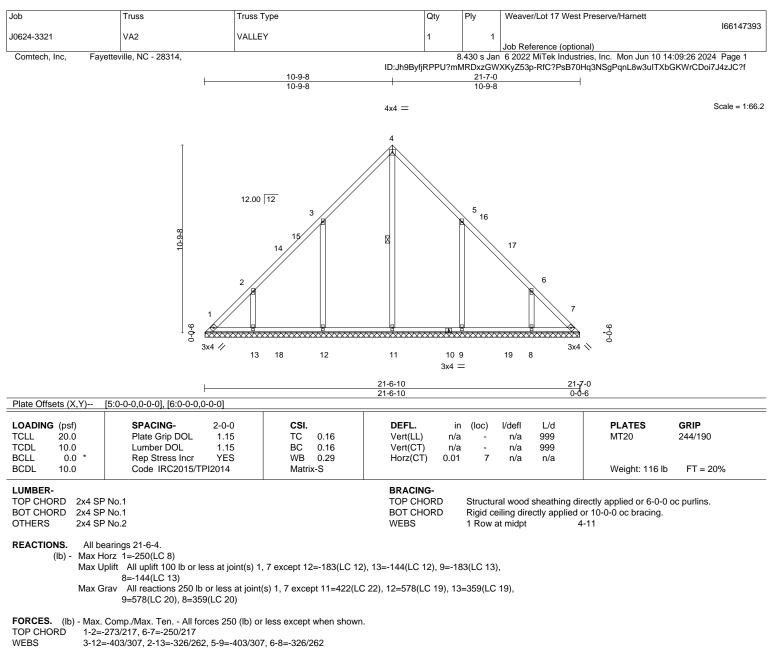


818 Soundside Road



June 12,2024

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NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 10-9-8, Exterior(2) 10-9-8 to 15-2-5, Interior(1) 15-2-5 to 21-2-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) Gable requires continuous bottom chord bearing.

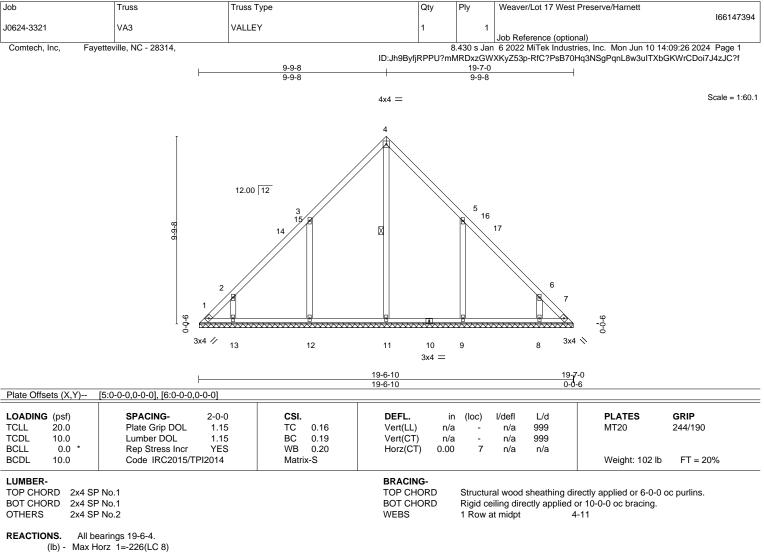
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb)

1) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) 1, 7 except (jt=ib) 12=183, 13=144, 9=183, 8=144.



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Max Uplift All uplift 100 lb or less at joint(s) 7 except 1=-125(LC 10), 12=-185(LC 12), 13=-132(LC 12),

9=-185(LC 13), 8=-132(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=435(LC 22), 12=490(LC 19), 13=280(LC 19), 9=490(LC 20), 8=280(LC 20)

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

TOP CHORD 1-2=-267/225, 6-7=-259/225

WEBS 3-12=-406/309, 2-13=-307/258, 5-9=-406/309, 6-8=-307/259

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 9-9-8, Exterior(2) 9-9-8 to 14-2-5, Interior(1) 14-2-5 to 19-2-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

4) Gable requires continuous bottom chord bearing.

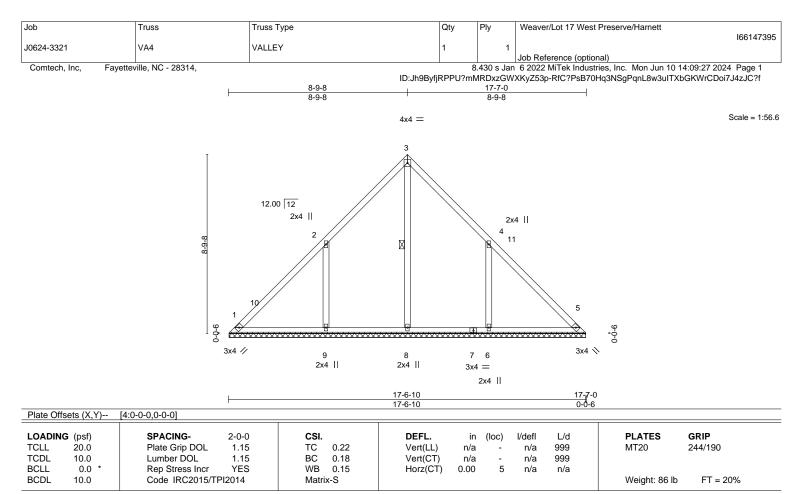
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb)

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) / except (jt=lb) 1=125, 12=185, 13=132, 9=185, 8=132.



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LUMBER-

TOP CHORD2x4 SP No.1BOT CHORD2x4 SP No.1OTHERS2x4 SP No.2

BRACING-TOP CHORD BOT CHORD WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.
 Rigid ceiling directly applied or 10-0-0 oc bracing.
 1 Row at midpt 3-8

REACTIONS. All bearings 17-6-4.

(lb) - Max Horz 1=-202(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-213(LC 12), 6=-213(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=414(LC 22), 9=550(LC 19), 6=550(LC 20)

- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- WEBS 2-9=-457/338, 4-6=-457/338

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-8, Interior(1) 4-9-8 to 8-9-8, Exterior(2) 8-9-8 to 13-2-5, Interior(1) 13-2-5 to 17-2-12 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.

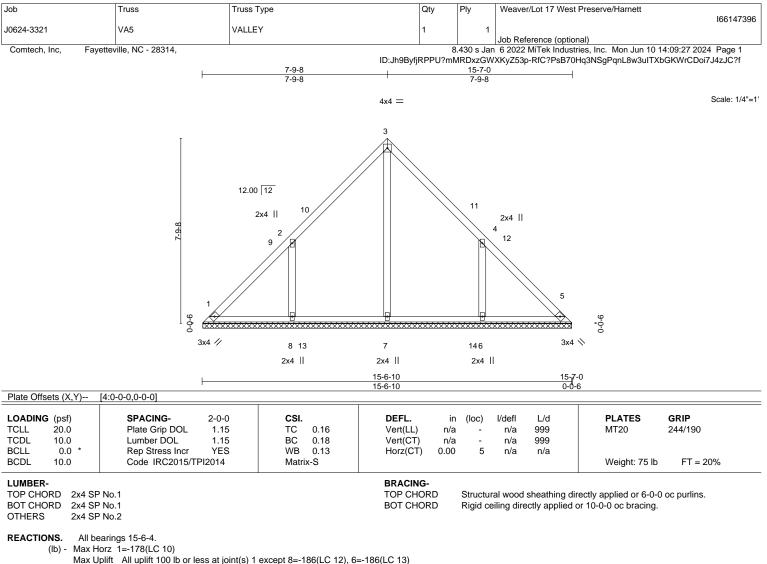
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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=213, 6=213.



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Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=416(LC 22), 8=472(LC 19), 6=472(LC 20)

- FORCES. (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown.
- WEBS 2-8=-403/309, 4-6=-403/309

NOTES-

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

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

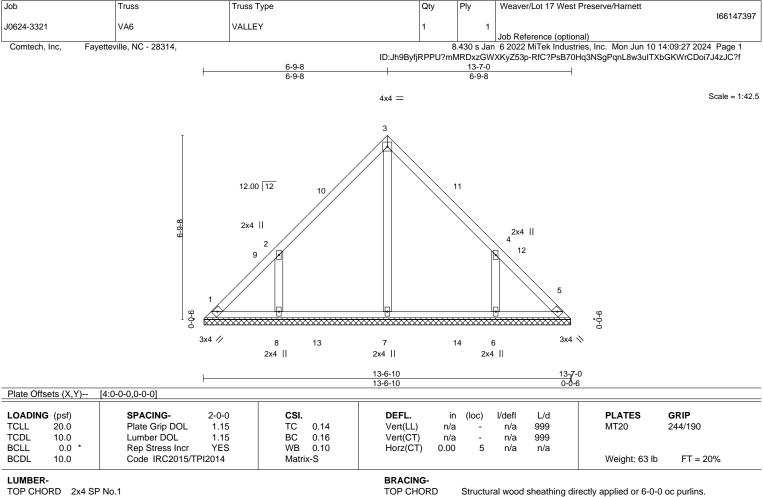
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=186, 6=186.



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BOT CHORD

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

TOP CHORD2x4 SP No.1BOT CHORD2x4 SP No.1OTHERS2x4 SP No.2

REACTIONS. All bearings 13-6-4.

(lb) - Max Horz 1=-154(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-166(LC 12), 6=-166(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=395(LC 19), 8=391(LC 19), 6=390(LC 20)

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

WEBS 2-8=-364/291, 4-6=-364/292

NOTES-

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

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 6-9-8, Exterior(2) 6-9-8 to 11-2-5, Interior(1) 11-2-5 to 13-2-12 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.

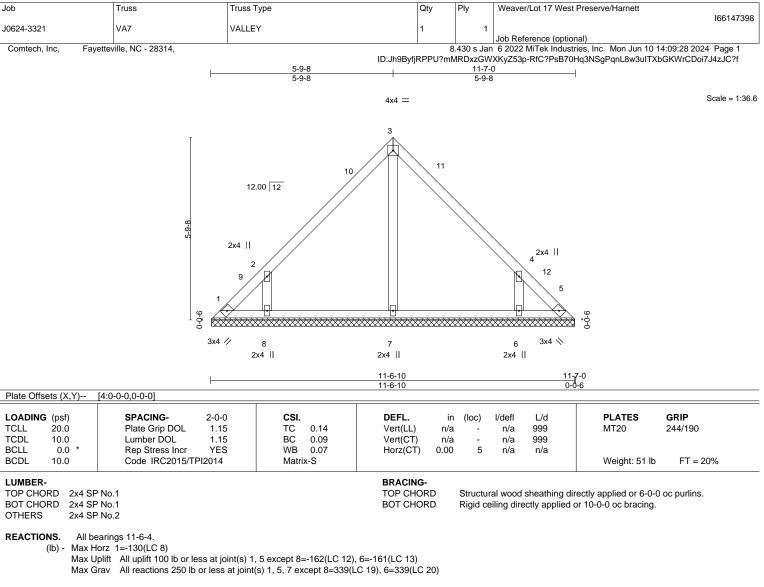
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=166, 6=166.



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A MiTek Affilia 818 Soundside Road



- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown.
- WEBS 2-8=-361/303, 4-6=-361/303

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-0, Interior(1) 4-9-0 to 5-9-8, Exterior(2) 5-9-8 to 10-2-5, Interior(1) 10-2-5 to 11-2-12 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.

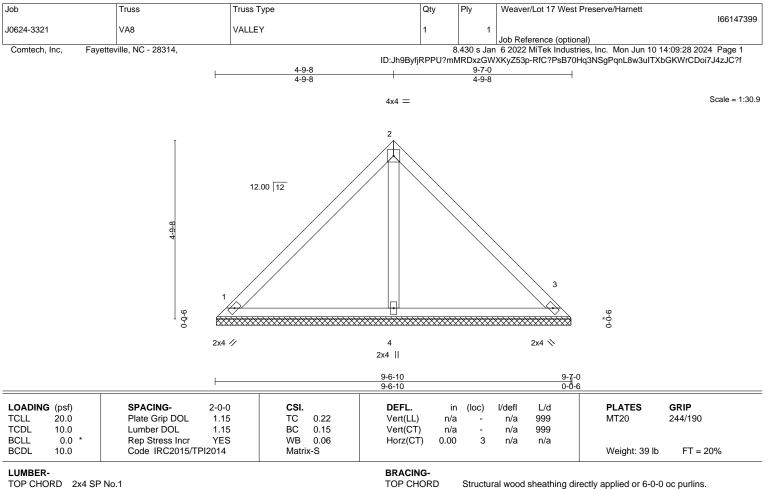
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

 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=162, 6=161.



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A MiTek Affili 818 Soundside Road Edenton, NC 27932



BOT CHORD

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

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

 OTHERS
 2x4 SF No.2

 REACTIONS.
 (size)
 1=9-6-4

IS. (size) 1=9-6-4, 3=9-6-4, 4=9-6-4 Max Horz 1=-106(LC 8) Max Uplift 1=-26(LC 13), 3=-26(LC 13) Max Grav 1=201(LC 1), 3=201(LC 1), 4=308(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 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.

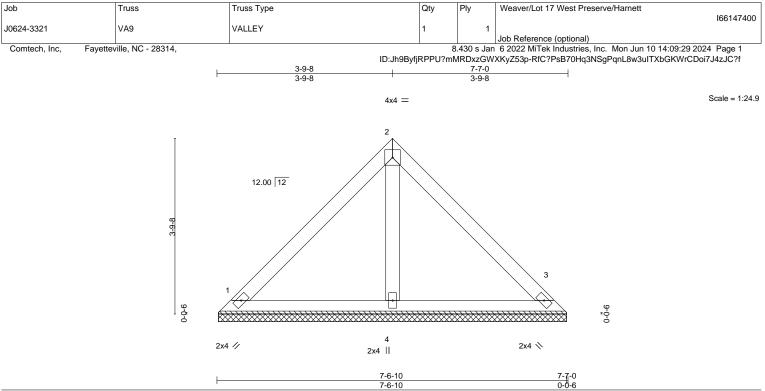
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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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						7-6-10			0-0-6	0-0-6		
LOADIN TCLL	G (psf) 20.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI. TC	0.20	DEFL. Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999	WI 20	244/130
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code IRC2015/TF	YES PI2014	WB Matri	0.03 x-P	Horz(CT)	0.00	3	n/a	n/a	Weight: 30 lb	FT = 20%

LUMBER-

TOP CHORD2x4 SP No.1BOT CHORD2x4 SP No.1OTHERS2x4 SP No.2

BRACING-TOP CHORD BOT CHORD

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

REACTIONS. (size) 1=7-6-4, 3=7-6-4, 4=7-6-4 Max Horz 1=82(LC 9) Max Uplift 1=-30(LC 13), 3=-30(LC 13) Max Grav 1=168(LC 1), 3=168(LC 1), 4=215(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 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.

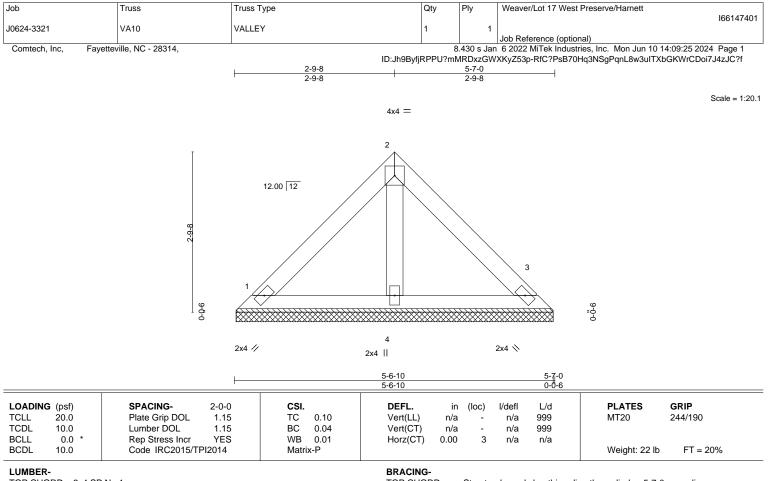
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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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TOP CHORD2x4 SP No.1BOT CHORD2x4 SP No.1OTHERS2x4 SP No.2

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-7-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-6-4, 3=5-6-4, 4=5-6-4 Max Horz 1=-58(LC 8) Max Uplift 1=-21(LC 13), 3=-21(LC 13) Max Grav 1=119(LC 1), 3=119(LC 1), 4=153(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 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.

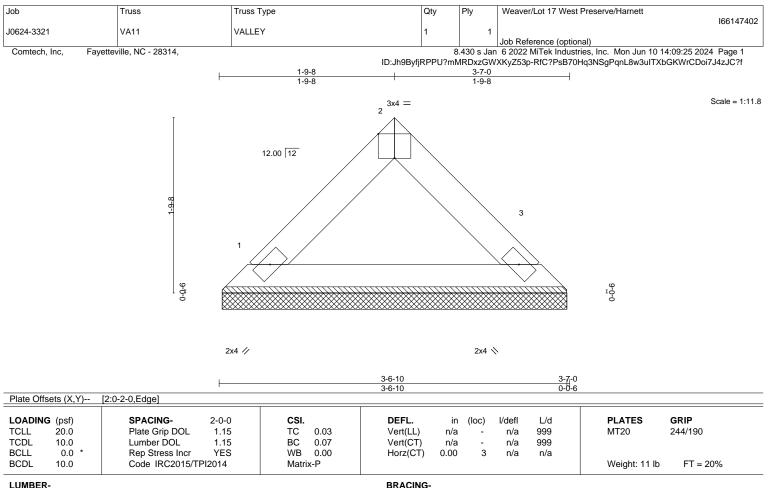
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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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TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. 1=3-6-4, 3=3-6-4 (size) Max Horz 1=35(LC 11) Max Uplift 1=-4(LC 12), 3=-4(LC 12) Max Grav 1=115(LC 1), 3=115(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 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.

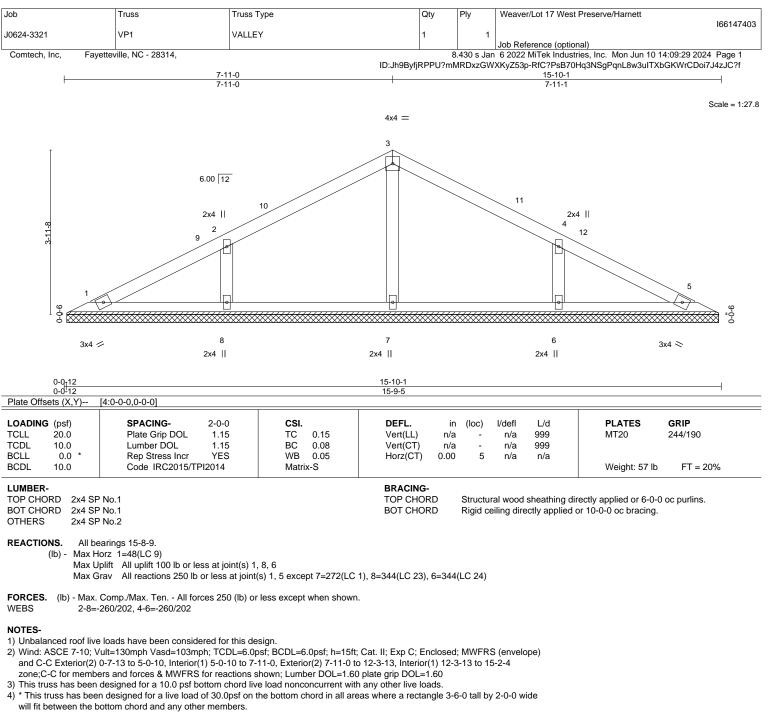
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



Structural wood sheathing directly applied or 3-7-0 oc purlins.

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

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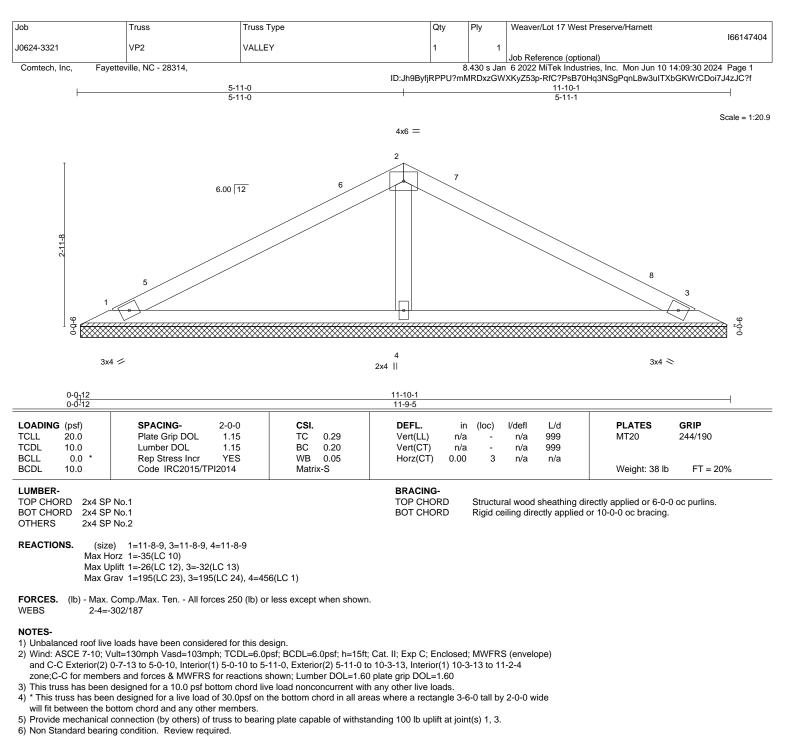


5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 6.

6) Non Standard bearing condition. Review required.



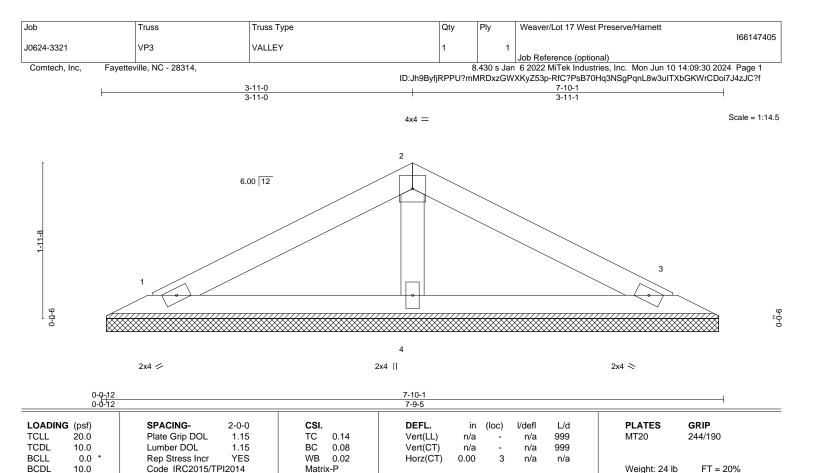
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BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

OTHERS 2x4 SP No.2

REACTIONS. 1=7-8-9, 3=7-8-9, 4=7-8-9 (size) Max Horz 1=-21(LC 8) Max Uplift 1=-21(LC 12), 3=-25(LC 13) Max Grav 1=133(LC 1), 3=133(LC 1), 4=256(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 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) 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.

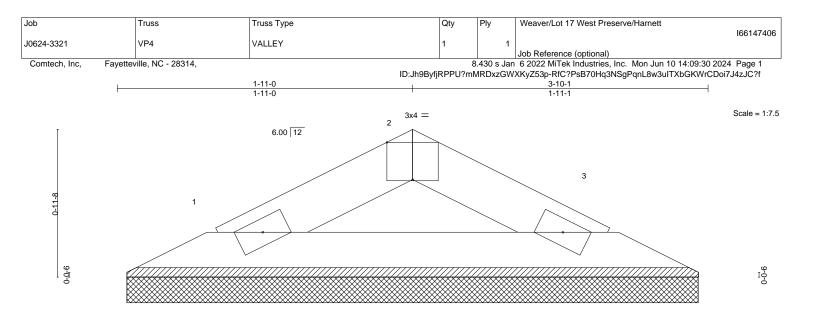
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3. 6) Non Standard bearing condition. Review required.



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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2x4 💋

2x4 📚

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

0-0- Plate Offsets (X,Y) [12 2:0-2-0,Edge]		3-9-5	1
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCLL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.03 BC 0.06 WB 0.00 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 3 n/a n/a	PLATES GRIP MT20 244/190 Weight: 10 lb FT = 20%

BOT CHORD

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

REACTIONS. 1=3-8-9, 3=3-8-9 (size) Max Horz 1=8(LC 9) Max Uplift 1=-6(LC 12), 3=-6(LC 13) Max Grav 1=101(LC 1), 3=101(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 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) 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, 3. 6) Non Standard bearing condition. Review required.



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