

Trenco 818 Soundside Rd Edenton, NC 27932

Re: CG997-R McKee-Torino20CL;Lot997 CarriageGlenn

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Apex,NC.

Pages or sheets covered by this seal: I46710284 thru I46710320

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

North Carolina COA: C-0844



Johnson, Andrew

June 24,2021

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





		1				39-8-8						1
		Γ				39-8-8						
Plate Offsets (X	X,Y) [1	5:0-3-8,0-1-12], [24:0-3	-8,0-1-12], [45:	0-2-8,0-0-4]	, [56:0-3-8,0-	3-0]						
LOADING (psf TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	f) 0 0 * 0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2015/TF	2-0-0 1.15 1.15 YES Pl2014	CSI. TC BC WB Matrix	0.21 0.19 0.09 x-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a -0.01	(loc) - - 35	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 506 lb	GRIP 244/190 FT = 20%
LUMBER- 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 *Excent*				BRACING- TOP CHOR BOT CHOR	D D	Structu except Rigid c	ral wood end verti eiling dire	sheathing dire cals, and 2-0- actly applied o	ectly applied or 6-0-0 c 0 oc purlins (10-0-0 ma or 6-0-0 oc bracing, Es	oc purlins, ax.): 15-24. kcept:		
OTHERS	1-66: 2x4 2x4 SP N	I SP No.2 Io.3				WEBS		10-0-0 1 Row	oc bracin at midpt	ng: 41-42,40-4 1 18	1,39-40,38-39,37-38,3 1-57, 12-56, 13-55, 14- 8-51, 19-50, 20-49, 21-	6-37,35-36. -54, 16-53, 17-52, -48, 22-47, 23-46,

REACTIONS. All bearings 39-8-8.

(lb) - Max Horz 66=336(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 35, 64, 63, 62, 61, 60, 59, 58, 57,

- 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 44, 43, 40, 39, 38, 37, 36 except 66=-376(LC 10), 65=-348(LC 9), 56=-157(LC 12), 42=-170(LC 8), 41=-102(LC 9)
- Max Grav All reactions 250 lb or less at joint(s) 35, 64, 63, 62, 61, 60, 59, 58,
 - 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 44, 43, 41, 40, 39, 38, 37,
 - 36 except 66=448(LC 9), 65=375(LC 10), 42=259(LC 20)
- FORCES. (Ib) Max. Comp./Max. Ten. All forces 250 (Ib) or less except when shown.
- TOP CHORD 1-2=-347/308, 11-12=-253/278, 12-13=-287/312, 13-14=-319/342, 14-15=-253/270, 15-16=-277/301, 16-17=-277/301, 17-18=-277/301, 18-19=-277/301, 19-20=-277/301, 20-21=-277/301, 21-22=-277/301, 22-23=-277/301, 23-24=-277/301, 24-25=-253/268, 25-26=-318/338, 26-27=-287/300, 27-28=-257/263, 1-66=-280/237

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 16-3-0, Exterior(2) 16-3-0 to 20-5-15, Interior(1) 20-5-15 to 27-10-0, Exterior(2) 27-10-0 to 32-1-8, Interior(1) 32-1-8 to 39-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 8) Gable studs spaced at 1-4-0 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 20.0psf 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) N/A

Continued on page 2

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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



25-44, 26-43, 27-42, 28-41, 11-56, 28-42



lah	Truco	Truco Turo	0.54	DIV	Makaa Tarina2001 d at007 CarriagaClann	
JOD	Tiuss	Truss Type	Quy	Piy	Mickee-Tonnozoci, Loiser CarnageGienn	
						I46710284
CG997-R	B08G	GABLE	1	1		
					Job Reference (optional)	
Builders FirstSource (Apex,	NC), Apex, NC - 27523,		8	430 s Jun	2 2021 MiTek Industries, Inc. Wed Jun 23 13:58:38 2021	Page 2
		ID:?Md	laC82XojF	IRgoD?t4v	wJJyPwGb-q6ndOywQhoQqR0ohZnVobMK2IhEeirxmM?f6	6 3 8 1 8 1 8 1 1 8 1 1 1 1 1 1 1 1 1 1 1

NOTES-

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

13) 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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TRENCO A MITEK Affiliate 818 Soundside Road

Edenton, NC 27932



	9-10-8	11-10-8		10-10-8		7-1-0	
Plate Offsets (X V)	[5:0-4-0 0-2-12] [6:0-7-8 0-3-12] [7:0-3	-4 0-1-121 [13:0-2-12 0-2	2_81	10 10 0		710	
		1	_ 0]				
	SPACING. 2-0-0	190	DEEL in	(loc) l/defl	L/d		CDID
	Blate Grip DOL 115	TC 0.72	Vort(LL) 0.20		260	MT20	244/100
TCEL 20.0	Flate Glip DOL 1.15	PC 0.75	Vert(CT) 0.20	9-11 >999	300	101120	244/190
	Lumber DOL 1.15	BC 0.75	Vert(CT) -0.30	11-12 >999	240		
BCLL 0.0		VVB 0.49	H012(C1) 0.06	8 n/a	n/a		FT 000/
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	VVind(LL) 0.05	13-16 >999	240	Weight: 320 lb	FI = 20%
LUMBER- TOP CHORD 2x6 SF 5-6,6-7 BOT CHORD 2x6 SF 4-12: 2 WEBS 2x4 SF 7-8,5-1 REACTIONS. (siz Max H Max U Max C FORCES. (lb) - Max. TOP CHORD 1-2=	 No.2 *Except* Y: 2x6 SP DSS No.2 *Except* 2x4 SP No.3 No.3 *Except* 1,6-11: 2x4 SP No.2 e) 8=0-3-8, 1=Mechanical lorz 1=319(LC 11) lplift 8=-21(LC 13), 1=-44(LC 12) Grav 8=1561(LC 1), 1=1561(LC 1) Comp./Max. Ten All forces 250 (lb) of 2437/354 2-4=-2209/341 4-5=-2195/45 	l less except when showr	BRACING- TOP CHORD BOT CHORD WEBS	Structural wood except end vertii Rigid ceiling dire 1 Row at midpt	sheathing dire cals, and 2-0-1 ctly applied o 5-	ectly applied or 4-6-3 c 0 oc purlins (6-0-0 ma: r 10-0-0 oc bracing. 11, 6-9	oc purlins, x.): 5-6.
TOP CHORD 1-2=: 7-8=: 80T CHORD BOT CHORD 1-13: WEBS 2-13: 7-9=: 7-9=:	-2437/354, 2-4=-2209/341, 4-5=-2195/4 -1502/228 =-336/2006, 4-13=-343/196, 9-11=-133/ =-299/146, 11-13=-187/1130, 5-13=-184 -28/1119	76, 5-6=-1299/327, 6-7=- 1178 /897, 6-11=-32/375, 6-9=	1453/254, :-310/134,				
 NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; M gable end zone and 27-6-8, Exterior(2) 2 exposed;C-C for me 3) Provide adequate d 4) This truss has been will fit between the b 6) Refer to girder(s) fo 7) Provide mechanical 8) One RT7A USP considered and the second referenced standard 10) Graphical purlin re 11) Gap between inside 	e loads have been considered for this de /ult=130mph Vasd=103mph; TCDL=6.0 C-C Exterior(2) 0-6-7 to 3-6-7, Interior(27-6-8 to 31-9-7, Interior(1) 31-9-7 to 39- mbers and forces & MWFRS for reactio rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on oottom chord and any other members, w r truss to truss connections. connection (by others) of truss to bearin nectors recommended to connect truss ler lateral forces. ed in accordance with the 2015 Internati I ANSI/TPI 1. presentation does not depict the size or le of top chord bearing and first diagonal	esign. psf; BCDL=6.0psf; h=32ft) 3-6-7 to 15-11-8, Exteri 6-12 zone; cantilever left ns shown; Lumber DOL= re load nonconcurrent wit the bottom chord in all are ith BCDL = 10.0psf. ng plate capable of withst to bearing walls due to U onal Residential Code se the orientation of the puri- l or vertical web shall not	; Cat. II; Exp B; Enclosed ior(2) 15-11-8 to 20-2-7, I and right exposed ; end v 1.60 plate grip DOL=1.60 h any other live loads. eas where a rectangle 3-6 anding 100 lb uplift at join IPLIFT at jt(s) 8. This cont ctions R502.11.1 and R80 lin along the top and/or bo exceed 0.500in.	; MWFRS (envelo nterior(1) 20-2-7 t yertical left and rig 	pe) o ht de	SE/ 458	AROLINA AL 44

ENGINE

June 24,2021

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	11-2-0	22-0-8		32-11-0		40-0-0	4
				10-10-8	1	7-1-0	
Plate Offsets (X, Y)	[2:Edge,0-0-3], [5:0-4-0,0-2-12], [6:0-7-6	3,0-3-12], [7:0-3-4,0-1-12]					
LOADING(psf)TCLL20.0TCDL10.0BCLL0.0BCDL10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2015/TPI2014	CSI. TC 0.74 BC 0.73 WB 0.51 Matrix-MS	DEFL. Vert(LL) -0 Vert(CT) -0 Horz(CT) 0 Wind(LL) 0	in (loc) l/defl .15 11-13 >999 .26 11-13 >999 .05 8 n/a .06 11-13 >999	L/d 360 240 n/a 240	PLATES MT20 Weight: 302 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x6 SF 5-6,6-7 BOT CHORD 2x6 SF WEBS 2x4 SF 7-8,5-1 WEDGE Left: 2x6 SP No.2	P No.2 *Except* : 2x6 SP DSS P No.2 No.3 *Except* 1,6-11: 2x4 SP No.2		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sh except end vertical Rigid ceiling direct 1 Row at midpt	eathing dired s, and 2-0-0 y applied or 5-1	ctly applied or 4-4-12 oc purlins (6-0-0 ma 10-0-0 oc bracing. 1, 6-9	oc purlins, x.): 5-6.
REACTIONS. (siz Max H Max U Max G	e) 8=0-3-8, 2=0-3-8 lorz 2=333(LC 11) /plift 8=-182(LC 13), 2=-226(LC 12) /rav 8=1648(LC 2), 2=1712(LC 2)						
FORCES.(lb) - Max.TOP CHORD2-3=BOT CHORD2-13:WEBS3-13:	Comp./Max. Ten All forces 250 (lb) or -2415/341, 3-5=-2234/427, 5-6=-1504/33 =-343/2031, 11-13=-194/1477, 9-11=-14 =-455/324, 5-13=-171/843, 6-11=-44/543	less except when shown. 34, 6-7=-1589/255, 7-8=-10 1/1295 3, 6-9=-322/143, 7-9=-34/1	613/234 242				
 NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; N gable end zone and 27-10-0, Exterior(2) right exposed;C-C fa 3) Provide adequate d 4) This truss has been 5) * This truss has been will fit between the b 6) One RT7A USP cor uplift only and does 7) This truss is designer referenced standard 8) Graphical purlin rep 	e loads have been considered for this de /ult=130mph Vasd=103mph; TCDL=6.0p C-C Exterior(2) -0-8-9 to 2-3-7, Interior(27-10-0 to 32-0-15, Interior(1) 32-0-15 t or members and forces & MWFRS for re rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on t oottom chord and any other members, w inectors recommended to connect truss not consider lateral forces. ed in accordance with the 2015 Internation I ANSI/TPI 1. resentation does not depict the size or th	sign. sign. 1) 2-3-7 to 16-3-0, Exterior o 39-10-4 zone; cantilever actions shown; Lumber DC e load nonconcurrent with he bottom chord in all area th BCDL = 10.0psf. to bearing walls due to UP onal Residential Code sect ne orientation of the purlin	Cat. II; Exp B; Enclo r(2) 16-3-0 to 20-5-1 left and right expose DL=1.60 plate grip D any other live loads as where a rectangle PLIFT at jt(s) 8 and 2 tions R502.11.1 and along the top and/or	sed; MWFRS (envelope 5, Interior(1) 20-5-15 to d ; end vertical left and OL=1.60 . 3-6-0 tall by 2-0-0 wide . This connection is for R802.10.2 and bottom chord.	a and a state of the state of t	SE SE 458	AROLINE SICILITY AL SAA

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9) 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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		2-3-8	9-3-4	17-5-1	19	9-3-10 22-0-8 1		32-1	1-0	1	40-0-0	
		2-3-8	6-11-12	8-1-13	¹ 1	-10-9 2-8-14		10-1	0-8		7-1-0	
Plate Offsets (X,Y)	[2:Edge,0-0-3], [3:0	-6-4,0-4-0], [7:0-4-0	,0-2-13], [9:0	-7-0,0-3-8],	[10:Edge,0-1-12],	[16:0-4-	8,0-2-4]				
LOADING (ps	sf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.	.0	Plate Grip D	OL 1.15	TC	0.77	Vert(LL)	-0.16	12-14	>999	360	MT20	244/190
TCDL 10.	.0	Lumber DOL	. 1.15	BC	0.63	Vert(CT)	-0.28	12-14	>999	240		
BCLL 0.	.0 *	Rep Stress I	ncr YES	WB	0.92	Horz(CT)	0.14	11	n/a	n/a		
BCDL 10.	.0	Code IRC20)15/TPI2014	Matri	x-MS	Wind(LL)	0.10	18-19	>999	240	Weight: 351 lb	FT = 20%
LUMBER-						BRACING	i -					
TOP CHORD	2x6 SF	P No.2 *Except*				TOP CHC	RD	Structu	ural wood	l sheathing d	lirectly applied or 3-2-8 c	oc purlins.
	9-10-2	X6 SP DSS						excent	end vert	icals and 2-	0-0 oc purlins (5-4-8 ma	x): 7-9
BOT CHORD	216 55	2 No 2 *Excent*				BOT CHC	RD	Rigid	eiling dir	ectly applied	or 10-0-0 oc bracing	Excent:
BOT ONORD	10-20	8-15: 2v/ SP No 3 '	3-17-246 50 055			DOT ONC	ΠD	6-0-0 0	chracin	2. 15-16 11-1	15	
WEBS	2v4 95	0-10.2A4 OF NU.0, 4	J-17. 240 OF DOO					1 Row	at midnt	g. 13-10,14-	8-16	
WEBS	274 0							1 ROW	at midpt			
WEDGE	10-11,	9-10,9-14: 2X4 SP N	10.2			VVEBS		IKOW	at midpt		5-10, 9-10, 9-14, 9-12	
WEDGE												
1 / 0 1 0 D M												

Left: 2x4 SP No.3

size)	11=0-3-8, 2=0-3-8
x Horz	2=333(LC 11)
x Uplift	11=-18(LC 13), 2=-60(LC 12)
x Grav	11=1594(LC 1), 2=1637(LC 1)
	size) x Horz x Uplift x Grav

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

 TOP CHORD
 3-22=-1459/214, 3-4=-3315/517, 4-5=-2599/353, 5-7=-1756/352, 7-8=-1549/370,

8-9=-1548/371, 9-10=-1504/253, 10-11=-1535/232 BOT CHORD 2-20=-208/771, 19-20=-142/559, 3-19=-554/2944, 18-19=-590/3116, 16-18=-311/2186, 8-16=-404/233, 12-14=-139/1202 WEBS 4-18=-938/337, 5-18=0/574, 5-16=-1008/196, 7-16=-86/706, 14-16=-6/1315,

9-16=-266/778, 9-12=-314/145, 10-12=-24/1157, 3-20=-737/212

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 2-2-0, Interior(1) 2-2-0 to 16-3-0, Exterior(2) 16-3-0 to 20-5-15, Interior(1) 20-5-15 to 27-10-0, Exterior(2) 27-10-0 to 32-0-15, Interior(1) 32-0-15 to 39-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) 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 20.0psf 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11 and 2. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) 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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Plate Olisets (A, f)	[2:Edge,0-0-3], [3:0-6-12,0-4-0], [7:0-4-	0,0-2-13, $[9:0-7-0,0-3-8]$,	[10:Edge,0-1-12], [14:0-	-5-0,0-4-12], [16:0-3-8,0-2-4]	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.78 BC 0.78 WB 0.76 Matrix-MS	DEFL. in Vert(LL) -0.1t Vert(CT) -0.37 Horz(CT) 0.11 Wind(LL) 0.13	n (loc) l/defl L/d 5 12-14 >999 360 1 18-19 >999 240 9 11 n/a n/a 3 18-19 >999 240	PLATES GRIP MT20 244/190 Weight: 354 lb FT = 20%
LUMBER- TOP CHORD 2x6 SP	No.2 *Except*		BRACING- TOP CHORD	Structural wood sheathing c	lirectly applied or 2-11-15 oc purlins,
9-10: 2 BOT CHORD 2x6 SP 19-20.8	x6 SP DSS No.2 *Except* 3-15: 2x4 SP No.3, 3-17: 2x6 SP DSS		BOT CHORD	except end verticals, and 2- Rigid ceiling directly applied 5-7-12 oc bracing: 15-16	0-0 oc purlins (5-6-6 max.): 7-9. I or 10-0-0 oc bracing, Except:
WEBS 2x4 SP 10-11,9	No.3 *Except* 0-14: 2x4 SP No.2			6-0-0 oc bracing: 14-15. 1 Row at midpt	8-16
WEDGE			WEBS	1 Row at midpt	4-18, 6-16, 9-14, 9-12

Left: 2x4 SP No.3

REACTIONS. (size) 11=0-3-8, 2=0-3-8 Max Horz 2=333(LC 11) Max Uplift 11=-18(LC 13), 2=-60(LC 12) Max Grav 11=1594(LC 1), 2=1637(LC 1)

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

TOP CHORD 3-22=-1427/235, 3-4=-3460/586, 4-6=-2475/342, 6-7=-1603/353, 7-8=-1555/364, 8-9=-1550/364, 9-10=-1516/253, 10-11=-1546/231

BOT CHORD 2-20=-227/746, 19-20=-152/545, 3-19=-620/3190, 18-19=-663/3361, 16-18=-271/2047, 15-16=-933/0, 8-16=-366/212, 12-14=-139/1224

WEBS 4-18=-1321/437, 6-18=0/609, 6-16=-1030/193, 7-16=-103/710, 14-16=0/1779, 9-16=-288/1138, 9-14=-626/182, 9-12=-340/147, 10-12=-20/1164, 3-20=-710/229

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 2-2-0, Interior(1) 2-2-0 to 16-3-0, Exterior(2) 16-3-0 to 20-5-15, Interior(1) 20-5-15 to 27-10-0, Exterior(2) 27-10-0 to 32-0-15, Interior(1) 32-0-15 to 39-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11 and 2. This connection is for uplift only and does not consider lateral forces.

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

8) 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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besign valid to less only with with twe commendations. This besign is based only upon parameters and properly incorporate this design into the overall 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:91.2



						29-1-8			
	2-3-8	9-3-4	16-3-0	17-5-1	25-11-0	27-10-0	32-4-0	39-8-8	
	2-3-8	6-11-12	6-11-12	1-2-1 ¹	8-5-15	1-11-0 1-3-8	3-2-8	7-4-8	
Plate Offsets (X,Y)	[2:Edge,0-0-3], [3	:0-6-8,0-4-0], [7:0-5	5-4,0-2-12], [9:0-4-0	0,0-2-12], [1	4:0-2-8,0-2-8], [16	:0-4-0,0-3-12],	[18:0-2-8	,0-2-8]	

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2015/TPI2014	CSI. TC 0.64 BC 0.65 WB 0.97 Matrix-MS	DEFL. ir Vert(LL) -0.19 Vert(CT) -0.38 Horz(CT) 0.23 Wind(LL) 0.10	n (loc) I/defl L/d 18-19 >999 360 18-19 >999 240 13 n/a n/a 21-22 >999 240	PLATES MT20 Weight: 357 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x BOT CHORD 2x 22 WEBS 2x WEDGE Left: 2x4 SP No.3	SP No.2 SP No.2 *Except* 23,8-17: 2x4 SP No.3, 3-20,15-17: 2x6 SI SP No.3	PDSS	BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathin except end verticals, and Rigid ceiling directly app 6-0-0 oc bracing: 17-18, 1 Row at midpt 1 Row at midpt	g directly applied or 3-1-11 I 2-0-0 oc purlins (5-1-10 m ied or 10-0-0 oc bracing, I6-17. 8-18 9-14, 10-15, 5-19, 7-18	oc purlins, nax.): 7-9. Except:

REACTIONS.	(size)	13=Mechanical, 2=0-3-8
	Max Horz	2=314(LC 9)
	Max Uplift	13=-18(LC 13), 2=-60(LC 12)
	Max Grav	13=1580(LC 1), 2=1625(LC 1)

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

 TOP CHORD
 3-25=-1431/216, 3-4=-3302/508, 4-5=-2552/362, 5-7=-1915/364, 7-8=-1393/360, 8-9=-1381/359, 9-10=-1672/456, 10-12=-1676/278, 12-13=-1499/257

 BOT CHORD
 2-23=-214/732, 22-23=-143/537, 3-22=-527/2966, 21-22=-565/3130, 19-21=-311/2143, 18-19=-178/1509, 17-18=-323/62, 8-18=-614/301

WEBS 4-21=-995/317, 5-21=0/448, 9-18=-255/919, 9-14=-241/306, 12-14=-140/1312, 3-23=-700/217, 14-15=-298/60, 10-14=-476/267, 7-19=-19/866, 5-19=-835/210, 7-18=-352/87, 16-18=-49/1245, 14-16=-114/1262

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 2-2-0, Interior(1) 2-2-0 to 16-3-0, Exterior(2) 16-3-0 to 20-5-15, Interior(1) 20-5-15 to 27-10-0, Exterior(2) 27-10-0 to 32-2-4, Interior(1) 32-2-4 to 39-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) 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 20.0psf 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.

 One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

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

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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	11-2-0	22-0-8		32-11-0	39-8-8
	11-2-0	10-10-8	1	10-10-8	6-9-8
Plate Offsets (X,Y)	[2:Edge,0-0-3], [5:0-4-0,0-2-12], [6:0-7-4	3,0-3-12]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2015/TPI2014	CSI. TC 0.71 BC 0.72 WB 0.51 Matrix-MS	DEFL. Vert(LL) -0.1 Vert(CT) -0.2 Horz(CT) 0.0 Wind(LL) 0.0	in (loc) l/defl L/d 15 11-13 >999 360 25 11-13 >999 240 05 8 n/a n/a 06 11-13 >999 240	PLATES GRIP MT20 244/190 Weight: 300 lb FT = 20%
LUMBER- TOP CHORD 2x6 SI 5-6,6- BOT CHORD 2x6 SI WEBS 2x4 SI 7-8,5- WEDGE Left: 2x4 SP No.3	P No.2 *Except* 7: 2x6 SP DSS P No.2 P No.3 *Except* 11,6-11: 2x4 SP No.2		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathing except end verticals, and 2 Rigid ceiling directly applied 1 Row at midpt	directly applied or 4-5-1 oc purlins, -0-0 oc purlins (6-0-0 max.): 5-6. d or 10-0-0 oc bracing. 5-11, 6-9
REACTIONS. (siz Max H Max L Max C FORCES. (lb) - Max. TOP CHORD 2-3= BOT CHORD 2-13 WEBS 3-13	 8=Mechanical, 2=0-3-8 40rz 2=335(LC 11) Jplift 8=-180(LC 13), 2=-225(LC 12) Grav 8=1640(LC 2), 2=1700(LC 2) Comp./Max. Ten All forces 250 (lb) or -2395/340, 3-5=-2214/425, 5-6=-1480/33 =-342/2016, 11-13=-197/1460, 9-11=-14 =-455/324, 5-13=-171/844, 6-11=-42/556 	less except when shown. 31, 6-7=-1527/254, 7-8=-1 4/1265 5, 6-9=-360/145, 7-9=-34/1	610/231 1225		
 NOTES- 1) Unbalanced roof liv 2) Wind: ASCE 7-10; yable end zone and 27-10-0, Exterior(2) right exposed;C-C f 3) Provide adequate d 4) This truss has been will fit between the f 6) Refer to girder(s) fo 7) Provide mechanical 8=180. 8) One RT7A USP cor and does not consid 9) This truss is design referenced standard 10) Craphical purific ra 	e loads have been considered for this de Vult=130mph Vasd=103mph; TCDL=6.0 I C-C Exterior(2) -0-8-9 to 2-3-7, Interior(2) 27-10-0 to 32-0-15, Interior(1) 32-0-15 t or members and forces & MWFRS for re rainage to prevent water ponding. I designed for a 10.0 psf bottom chord liv in the state of the state of the state of the state context of the state of the state of the state in the state of the state of the state of the state of the state of the state of the	sign. bsf; BCDL=6.0psf; h=32ft; 1) 2-3-7 to 16-3-0, Exterio o 39-6-12 zone; cantilever actions shown; Lumber DO e load nonconcurrent with the bottom chord in all area ith BCDL = 10.0psf. Ig plate capable of withstat to bearing walls due to UF onal Residential Code sec the orientation of the purili	Cat. II; Exp B; Enclose r(2) 16-3-0 to 20-5-15, left and right exposed OL=1.60 plate grip DC any other live loads. as where a rectangle 3 nding 100 lb uplift at jo PLIFT at jt(s) 2. This co tions R502.11.1 and R	ed; MWFRS (envelope) Interior(1) 20-5-15 to I; end vertical left and PL=1.60 3-6-0 tall by 2-0-0 wide pint(s) except (jt=lb) ponnection is for uplift only 8802.10.2 and bottom chord	SEAL 45844

oes not depict the size or the orientation of the purlin along the top and/or bottom chord.



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						39-8-8						
						39-8-8						
Plate Offsets (2	X,Y)	[16:0-3-8,0-1-12], [25:0-3	-8,0-1-12], [46:	0-2-8,0-0-4]	, [57:0-3-8,0-	-3-0]						
LOADING (ps	f)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.	0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL 10.	0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.00	1	n/r	120	-	
BCLL 0.	0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.01	36	n/a	n/a		
BCDL 10.	0	Code IRC2015/TF	PI2014	Matri	x-S						Weight: 508 lb	FT = 20%
LUMBER-						BRACING-						
TOP CHORD	2x4 SP	PNo.2				TOP CHOR	RD	Structu	ral wood	sheathing di	rectly applied or 6-0-0 o	c purlins,
BOT CHORD	2x4 SP	9 No.2						except	end verti	cals, and 2-0)-0 oc purlins (10-0-0 ma	ax.): 16-25.
WEBS	2x4 SP	No.3 *Except*				BOT CHOR	RD	Rigid c	eiling dire	ctly applied	or 6-0-0 oc bracing, Ex	cept:
	2-67: 2	x4 SP No.2						10-0-0	oc bracin	g: 42-43,41-	42,40-41,39-40,38-39,3	7-38,36-37.
OTHERS	2x4 SP	9 No.3				WEBS		1 Row	at midpt	1	12-58, 13-57, 14-56, 15-	55, 17-54, 18-53,
										1	19-52, 20-51, 21-50, 22-	49, 23-48, 24-47,

REACTIONS. All bearings 39-8-8.

(lb) - Max Horz 67=350(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 36, 65, 64, 63, 62, 61, 60, 59, 58, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 45, 44, 42, 41, 40, 39, 38, 37 except 67=-275(LC 8), 66=-259(LC 9), 57=-136(LC 12), 43=-155(LC 13) Max Grav All reactions 250 lb or less at joint(s) 36, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 45, 44, 43, 42, 41, 40, 39,

38, 37 except 67=363(LC 11), 66=287(LC 10)

- FORCES. (b) Max. Comp./Max. Ten. All forces 250 (b) or less except when shown.
- TOP CHORD 2-3=-355/308, 3-4=-262/237, 4-5=-263/239, 12-13=-248/275, 13-14=-283/309, 14-15=-314/339, 15-16=-250/268, 16-17=-274/299, 17-18=-274/299, 18-19=-274/299, 19-20=-274/299, 20-21=-274/299, 21-22=-274/299, 22-23=-274/299, 23-24=-274/299, 24-25=-274/299, 25-26=-250/266, 26-27=-314/335, 27-28=-282/297, 28-29=-252/260, 2-67=-264/207

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-6 to 2-1-10, Interior(1) 2-1-10 to 16-3-0, Exterior(2) 16-3-0 to 20-5-15, Interior(1) 20-5-15 to 27-10-0, Exterior(2) 27-10-0 to 32-1-8, Interior(1) 32-1-8 to 39-6-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.

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

6) Gable requires continuous bottom chord bearing.

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

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

9) 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 20.0psf 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.

Continued on page 2

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26-45, 27-44, 28-43, 29-42, 12-57, 29-43



Job	Truss		Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn	
							I46710294
CG997-R	B16G		GABLE	1	1		
						Job Reference (optional)	
Builders FirstSource (Apex,	NC),	Apex, NC - 27523,		8	.430 s Jun	2 2021 MiTek Industries, Inc. Wed Jun 23 13:58:57 2021	Page 2
			ID:?Md	C82XojFIF	goD?t4wJ	JyPwGb-mmQoOS8LCdq8DxlKAHLFsMcJxLknfRiZkSmd0	08z3NiC
NOTES-					•		

11) N/A

This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 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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LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins,
BOT CHORD	2x4 SP No.2		except end verticals.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS	2x4 SP No.3		

REACTIONS. All bearings 14-7-8.

Max Horz 28=-166(LC 10) (lb) -

- Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 26, 21, 20, 19, 18 except 28=-155(LC 8), 16=-106(LC 9), 27=-158(LC 9), 17=-122(LC 8)
- Max Grav All reactions 250 lb or less at joint(s) 28, 16, 22, 23, 24, 25, 26, 27, 21, 20, 19, 18, 17

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

NOTES-

2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 1-11-12, Exterior(2) 1-11-12 to 7-3-12, Corner(3) 7-3-12 to 10-3-12, Exterior(2) 10-3-12 to 15-6-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf 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.

10) N/A

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



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



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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-3-12, Exterior(2) 7-3-12 to 11-6-11, Interior(1) 11-6-11 to 15-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.

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



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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn	
						I46710297
CG997-R	D03GR	SPECIAL	1	2		
				J	Job Reference (optional)	
Builders FirstSource (Apex,	NC), Apex, NC - 27523,		8	.430 s Jun	2 2021 MiTek Industries, Inc. Wed Jun 23 13:59:02 2021	Page 2

8.430 s Jun 2 2021 MiTek Industries, Inc. Wed Jun 23 13:59:02 2021 Page 2 ID:?MdgC82XojFIRgoD?t4wJJyPwGb-7kDhR9CU1ASQJieIzqxQZQJ?hMHIKUfJtkTOhLz3Ni7

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 13-15=-20, 10-12=-20, 9-18=-20

Concentrated Loads (lb)

Vert: 13=-1613 20=-1619 23=-1541(F) 24=-1541(F) 25=-1541(F) 26=-1541(F) 27=-1541(F)

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LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IRC2015/TPI2014	CSI. TC 0.14 BC 0.09 WB 0.14 Matrix-R	DEFL. Vert(LL) -0.0 Vert(CT) -0.0 Horz(CT) 0.0	in (loc) 00 21 00 21 00 22	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES GRIP MT20 244/190 Weight: 184 lb FT = 20%
LUMBER- TOP CHORD 2x4 S	P No.2		BRACING- TOP CHORD	Struc	tural wood	sheathing di	irectly applied or 6-0-0 oc purlins,

BOT CHORD 2x4 SP No.2 except end verticals. 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. 2x4 SP No.3

REACTIONS. All bearings 22-7-0.

Max Horz 39=-233(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 22, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24 except 39=-129(LC 8), 38=-160(LC 12), 23=-144(LC 13)

All reactions 250 lb or less at joint(s) 39, 22, 31, 32, 33, 34, 35, 36, 37, 38, 30, 29, 28, 27, 26, Max Grav 25, 24, 23

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

NOTES-

WEBS

OTHERS

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-3-8, Corner(3) 11-3-8 to 14-3-8, Exterior(2) 14-3-8 to 23-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry 3) 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 requires continuous bottom chord bearing.

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

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

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

9) * This truss has been designed for a live load of 20.0psf 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.

10) N/A

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

ORT \cap The manual states of the second states of the secon Summer SEAL 45844 mm June 24,2021

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818 Soundside Road Edenton, NC 27932

Jor)	Truss	Truss Type	Qty	Piy	McKee-Torino20CL;Lot997 CarriageGlenn	46740200
CG	997-R	G02	ROOF TRUSS	5	1		46710299
						300 Reference (optional) 8.430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:45:55 2021	Page 2
				ID:?MdgC82XojFIR	.goD?t4w	JJyPwGb-VSDThdcPnd6LdiXNoYI7KIQwTU0wPzTFYzSEG8z3	M7w
L	DAD CASE(S)						
	Uniform Loads (plf)		50 12 15- 65/E- 45) 12 22- 50 22 3	22-20 16 17-20			
3)	Dead + Uninhabitable At	tic Without Storage: Lumber	Increase=1.25, Plate Increase=1.25	52=-20, 10-17=-30			
,	Uniform Loads (plf)	5					
•	Vert: 1-6=-20, 6-	-11=-20, 19-23=-40, 16-17=-4	40 Isaacaa 4.00 Dista isaacaa 4.00				
4)	Uniform Loads (plf)	os. Internal) Case 1: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-2=45, 2-2	27=25, 6-27=19, 6-8=25, 8-1	0=19, 10-11=13, 19-23=-12				
_`	Horz: 1-2=-57, 2	2-27=-37, 6-27=-31, 6-8=37, 8	3-10=31, 10-11=25				
5)	Dead + 0.6 C-C Wind (P	os. Internal) Case 2: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-2=13, 2-4	4=19, 4-6=25, 6-30=19, 10-3	0=25, 10-11=45, 19-23=-12				
	Horz: 1-2=-25, 2	2-4=-31, 4-6=-37, 6-30=31, 10)-30=37, 10-11=57				
6)	Uniform Loads (plf)	leg. Internal) Case 1: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-2=5, 2-6	=-51, 6-10=-51, 10-11=-45, 1	9-23=-20				
	Horz: 1-2=-25, 2	2-6=31, 6-10=-31, 10-11=-25					
()	Uniform Loads (plf)	leg. Internal) Case 2: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-2=-45, 2-	-6=-51, 6-10=-51, 10-11=5, 1	9-23=-20				
0)	Horz: 1-2=25, 2-	-6=31, 6-10=-31, 10-11=25	- Increase 1.00 Plate Increase 1.00				
8)	Uniform Loads (plf)	ia (Pos. Internal) Lett: Lumbe	r increase=1.60, Plate increase=1.60				
	Vert: 1-2=-2, 2-6	6=-15, 6-10=10, 10-11=5, 19-	23=-12				
0)	Horz: 1-2=-10, 2	2-6=3, 6-10=22, 10-11=17	or Incrosso-1.60 Plate Incrosso-1.60	h			
9)	Uniform Loads (plf)	iu (F05. Internal) Right. Lunic	el increase=1.00, Flate increase=1.00	5			
	Vert: 1-2=5, 2-6	=10, 6-10=-15, 10-11=-2, 19-	23=-12				
10	Horz: 1-2=-17, 2)) Dead + 0.6 MWERS Wi	2-6=-22, 6-10=-3, 10-11=10 ind (Neg. Internal) Left: Lumb	per Increase-1.60. Plate Increase-1.60	n			
	Uniform Loads (plf)	ina (Nog. internal) Lon. Lank		0			
	Vert: 1-2=-29, 1	2-6=-34, 6-10=-9, 10-11=-3,	19-23=-20				
11	Dead + 0.6 MWFRS W	-0=14, 0-10=11, 10-11=17 ind (Neg. Internal) Right: Lun	ber Increase=1.60. Plate Increase=1.	60			
	Uniform Loads (plf)	ina (Hogi intornal) Highi Zan					
	Vert: 1-2=-3, 2	-6=-9, 6-10=-34, 10-11=-29,	19-23=-20				
12	2) Dead + 0.6 MWFRS W	ind (Pos. Internal) 1st Paralle	l: Lumber Increase=1.60. Plate Increa	se=1.60			
	Uniform Loads (plf)						
	Vert: 1-2=22, 2	2-28=27, 6-28=15, 6-10=5, 10	-11=-0, 19-23=-12				
13	3) Dead + 0.6 MWFRS W	ind (Pos. Internal) 2nd Parall	el: Lumber Increase=1.60, Plate Increa	ase=1.60			
	Uniform Loads (plf)	· · · · ·	,				
	Vert: 1-2=-0, 2 Horz: 1-2=-12	-6=5, 6-29=15, 10-29=27, 10 2-6=-17, 6-29=27, 10-29=39	-11=22, 19-23=-12 10-11-34				
14	 i) Dead + 0.6 MWFRS With the second se	ind (Pos. Internal) 3rd Paralle	l: Lumber Increase=1.60, Plate Increa	ise=1.60			
	Uniform Loads (plf)						
	Vert: 1-2=10, 2 Horz: 1-2=-22	2-6=15, 6-10=5, 10-11=-0, 19 2-6=-27	-23=-12				
15	5) Dead + 0.6 MWFRS W	ind (Pos. Internal) 4th Paralle	l: Lumber Increase=1.60, Plate Increa	se=1.60			
	Uniform Loads (plf)		00.40				
	Vert: 1-2=-0, 2 Horz: 1-2=-12.	-6=5, 6-10=15, 10-11=10, 19 2-6=-17. 6-10=27. 10-11=22	-23=-12				
16	6) Dead + 0.6 MWFRS W	ind (Neg. Internal) 1st Paralle	l: Lumber Increase=1.60, Plate Increa	ise=1.60			
	Uniform Loads (plf)		11 - 9 10 22 - 20				
	Horz: $1-2=14$, 2	2-28=8, 6-28=-4, 6-10=-14, 10 2-28=-28, 6-28=-16, 6-10=6	10-11=-8, 19-23=-20				
17) Dead + 0.6 MWFRS W	ind (Neg. Internal) 2nd Parall	el: Lumber Increase=1.60, Plate Increa	ase=1.60			
	Uniform Loads (plf)		11-14 10 22- 20				
	Horz: 1-2=-0, 2	2-6=-6, 6-29=16, 10-29=28,	10-11=34				
18	B) Dead + Uninhabitable A	Attic Storage: Lumber Increas	e=1.25, Plate Increase=1.25				
	Uniform Loads (plf)	6-1120 10-3120 15-31-	-60 12-1580(F60) 12-3260 23	-3220 16-1740			
19) Dead + 0.75 Roof Live	(bal.) + 0.75 Uninhab. Attic S	torage + 0.75 Attic Floor + 0.75(0.6 M	WFRS Wind (Neg. I	nt) Left):	Lumber	
	Increase=1.60, Plate In	crease=1.60	,	. 0	. ,		
	Uniform Loads (plf)	2-6=-61 6-10=-42 10-113	7 19-31=-20 15-31=-50 12-1565/F	=-45) 12-32=-50 2	3-32=-20) 16-17=-30	
	Horz: 1-2=6, 2-	-6=11, 6-10=8, 10-11=13	., .: ::= 20, ::: ::= :00, :2 :::==:00(i	.0,, 12 02- 00, 2	5 02-20	.,	
20) Dead + 0.75 Roof Live	(bal.) + 0.75 Uninhab. Attic S	torage + 0.75 Attic Floor + 0.75(0.6 M	WFRS Wind (Neg. I	nt) Right	t): Lumber	
	Increase=1.60, Plate In	ICREASE=1.60					

Uniform Loads (plf)

Vert: 1-2--37, 2-6=-42, 6-10=-61, 10-11=-56, 19-31=-20, 15-31=-50, 12-15=-65(F=-45), 12-32=-50, 23-32=-20, 16-17=-30 Horz: 1-2=-13, 2-6=-8, 6-10=-11, 10-11=-6

ntinued on page 3

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Job	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn
CC007 B	C02	BOOF TRUES	-	1	146710299
CG997-R	602		5	'	Job Reference (optional)

8.430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:45:55 2021 Page 3 ID:?MdgC82XojFIRgoD?t4wJJyPwGb-VSDThdcPnd6LdiXNoYI7KIQwTU0wPzTFYzSEG8z3M7w

LOAD CASE(S)

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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=-25, 2-28=-29, 6-28=-38, 6-10=-46, 10-11=-41, 19-31=-20, 15-31=-50, 12-15=-65(F=-45), 12-32=-50, 23-32=-20, 16-17=-30

Horz: 1-2=-25, 2-28=-21, 6-28=-12, 6-10=4, 10-11=9

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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=-41, 2-6=-46, 6-29=-38, 10-29=-29, 10-11=-25, 19-31=-20, 15-31=-50, 12-15=-65(F=-45), 12-32=-50, 23-32=-20, 16-17=-30

Horz: 1-2=-9, 2-6=-4, 6-29=12, 10-29=21, 10-11=25

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

Uniform Loads (plf) Vert: 1-6=-60, 6-11=-20, 19-23=-20

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

Uniform Loads (plf)

Vert: 1-6=-20, 6-11=-60, 19-23=-20

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

Vert: 1-6=-50, 6-11=-20, 19-31=-20, 15-31=-50, 12-15=-65(F=-45), 12-32=-50, 23-32=-20, 16-17=-30

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

Vert: 1-6=-20, 6-11=-50, 19-31=-20, 15-31=-50, 12-15=-65(F=-45), 12-32=-50, 23-32=-20, 16-17=-30

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn	146710200
CG997-R	G03	ROOF TRUSS	4	1		1467 10300
					Job Reference (optional) 8.430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:4	46:10 2021 Page 2
			ID:?MdgC82XojFIRg	goD?t4wJ	JyPwGb-ZLd8qmopFE?Cw?BFBC4eRSYUfX8RQl9S	S?oaXImz3M7h
LOAD CASE(S)						
Uniform Loads (p	lf)					
Vert: 1-6	=-50, 6-10=-50, 18-30=-20,	14-30=-50, 11-14=-65(F=-45), 11-31=-	50, 22-31=-20, 15-16=-30			
3) Dead + Uninnabi	table Attic without Storage:	Lumber Increase=1.25, Plate Increase	=1.25			
Vert: 1-6	=-20, 6-10=-20, 18-22=-40,	15-16=-40				
4) Dead + 0.6 C-C \	Nind (Pos. Internal) Case 1:	Lumber Increase=1.60, Plate Increase	e=1.60			
Uniform Loads (p	olf)	05 0 40 40 40 00 40				
Vert: 1-2 Horz: 1-2	=45, 2-26=25, 6-26=19, 6-8 257 2-2637 6-2631 (=25, 8-10=19, 18-22=-12 3-8-37, 8-10-31				
5) Dead + 0.6 C-C \	Wind (Pos. Internal) Case 2:	Lumber Increase=1.60, Plate Increase	=1.60			
Uniform Loads (p	olf)					
Vert: 1-2	=13, 2-4=19, 4-6=25, 6-29=	19, 10-29=25, 18-22=-12				
6) Dead + 0.6 C-C V	Vind (Neg. Internal) Case 1:	Lumber Increase=1.60, Plate Increase	e=1.60			
Uniform Loads (p	olf)					
Vert: 1-2	=5, 2-6=-51, 6-10=-51, 18-2	2=-20				
Horz: 1-2 7) Dead + 0.6 C-C \	2=-25, 2-6=31, 6-10=-31 Mind (Neg. Internal) Case 2:	Lumber Increase-1.60 Plate Increase	-1 60			
Uniform Loads (p	lf)		5-1.00			
Vert: 1-2	=-45, 2-6=-51, 6-10=-51, 18	-22=-20				
Horz: 1-2	2=25, 2-6=31, 6-10=-31	t Lumber Increase 1.60. Plate Increas	1.60			
Uniform Loads (p	lf)	. Lumber increase=1.60, Flate increas	e=1.00			
Vert: 1-2	=-2, 2-6=-15, 6-10=10, 18-2	2=-12				
Horz: 1-2	2=-10, 2-6=3, 6-10=22		1.00			
9) Dead + 0.6 MWF Uniform Loads (n	RS Wind (Pos. Internal) Rig	ht: Lumber Increase=1.60, Plate Increa	ase=1.60			
Vert: 1-2	=5, 2-6=10, 6-10=-15, 18-2	2=-12				
Horz: 1-2	2=-17, 2-6=-22, 6-10=-3					
10) Dead + 0.6 MW	FRS Wind (Neg. Internal) L	eft: Lumber Increase=1.60, Plate Increa	ase=1.60			
Vert: 1-	(pii) ·2=-29, 2-6=-34, 6-10=-9, 18	-22=-20				
Horz: 1	-2=9, 2-6=14, 6-10=11					
11) Dead + 0.6 MW	FRS Wind (Neg. Internal) R	ight: Lumber Increase=1.60, Plate Incr	ease=1.60			
Uniform Loads ((plf)	22 20				
Horz: 1	-2=-3, 2-6=-9, 6-10=-34, 18- -2=-17, 2-6=-11, 6-10=-14	22=-20				
12) Dead + 0.6 MW	FRS Wind (Pos. Internal) 1s	t Parallel: Lumber Increase=1.60, Plat	e Increase=1.60			
Uniform Loads ((plf)					
Vert: 1- Horz: 1	·2=22, 2-2/=2/, 6-2/=15, 6- -234 2-2739 6-2727	10=5, 18-22=-12 6-10-17				
13) Dead + 0.6 MW	FRS Wind (Pos. Internal) 2r	nd Parallel: Lumber Increase=1.60, Pla	te Increase=1.60			
Uniform Loads ((plf)					
Vert: 1-	2=-0, 2-6=5, 6-28=15, 10-2	3=27, 18-22=-12				
14) Dead + 0.6 MW	-2=-12, 2-6=-17, 6-28=27, 1 FRS Wind (Pos_Internal) 3r	0-28=39 d Parallel: Lumber Increase=1 60 Plat	e Increase=1 60			
Uniform Loads ((plf)					
Vert: 1-	2=10, 2-6=15, 6-10=5, 18-2	2=-12				
Horz: 1 15) Dead ± 0.6 MW	-2=-22, 2-6=-27, 6-10=17 EBS Wind (Pos. Internal) 4t	h Parallel: Lumber Increase-1.60. Plat	e Increase-1 60			
Uniform Loads ((plf)		e mcrease=1.00			
Vert: 1-	2=-0, 2-6=5, 6-10=15, 18-2	2=-12				
Horz: 1	-2=-12, 2-6=-17, 6-10=27					
16) Dead + 0.6 MW	(nlf)	st Parallel: Lumber Increase=1.60, Plat	e increase=1.60			
Vert: 1-	·2=14, 2-27=8, 6-27=-4, 6-1)=-14, 18-22=-20				
Horz: 1	-2=-34, 2-27=-28, 6-27=-16	6-10=6				
17) Dead + 0.6 MW	FRS Wind (Neg. Internal) 2	nd Parallel: Lumber Increase=1.60, Pla	te Increase=1.60			
Vert 1-	(pii) ·2=-8 2-6=-14 6-28=-4 10-	28=8 18-22=-20				
Horz: 1	-2=-12, 2-6=-6, 6-28=16, 10	-28=28				
18) Dead + Uninhat	bitable Attic Storage: Lumbe	r Increase=1.25, Plate Increase=1.25				
Uniform Loads ((plt) .620 6-1020 19 20- 20	14-3060 11-14- 80(E- 60) 11 31	60 22-3120 15 16- 40			
19) Dead + 0.75 Ro	of Live (bal.) + 0.75 Uninhal	o. Attic Storage + 0.75 Attic Floor + 0.75	5(0.6 MWFRS Wind (Neg 1	, Int) Left):	Lumber	
Increase=1.60,	Plate Increase=1.60			., _0,.		
Uniform Loads	(plf)			- 10 - 53		
Vert: 1- Horz: 1	-2=-56, 2-6=-61, 6-10=-42, 1 -2-6, 2-6-11, 6-10-8	δ-3∪=-20, 14-3∪=-50, 11-14=-65(F=-4	b), 11-31=-50, 22-31=-20, 1	5-16=-30	J	

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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, 2-6=-42, 6-10=-61, 18-30=-20, 14-30=-50, 11-14=-65(F=-45), 11-31=-50, 22-31=-20, 15-16=-30 Horz: 1-2=-13, 2-6=-8, 6-10=-11

ntinued on page 3

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Job	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn
					146710300
CG997-R	G03	ROOF TRUSS	4	1	
					Job Reference (optional)
				8	430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:46:10 2021 Page 3

ID:?MdgC82XojFIRgoD?t4wJJyPwGb-ZLd8qmopFE?Cw?BFBC4eRSYUfX8RQl9S?oaXImz3M7h

LOAD CASE(S)

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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=-25, 2-27=-29, 6-27=-38, 6-10=-46, 18-30=-20, 14-30=-50, 11-14=-65(F=-45), 11-31=-50, 22-31=-20, 15-16=-30

Horz: 1-2=-25, 2-27=-21, 6-27=-12, 6-10=4

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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=-41, 2-6=-46, 6-28=-38, 10-28=-29, 18-30=-20, 14-30=-50, 11-14=-65(F=-45), 11-31=-50, 22-31=-20, 15-16=-30

Horz: 1-2=-9, 2-6=-4, 6-28=12, 10-28=21

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

Uniform Loads (plf)

Vert: 1-6=-60, 6-10=-20, 18-22=-20

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

Uniform Loads (plf)

Vert: 1-6=-20, 6-10=-60, 18-22=-20

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

Vert: 1-6=-50, 6-10=-20, 18-30=-20, 14-30=-50, 11-14=-65(F=-45), 11-31=-50, 22-31=-20, 15-16=-30

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

Vert: 1-6=-20, 6-10=-50, 18-30=-20, 14-30=-50, 11-14=-65(F=-45), 11-31=-50, 22-31=-20, 15-16=-30

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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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road Edenton, NC 27932

10	UI UI	Truss	Truss Type	Qly	Piy	McKee-Torino20CL;Lot997 CarriageGienn	140740004
co	6997-R	G04	ROOF TRUSS	3	1		146710301
					8	Job Reference (optional) .430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:47:03 2	021 Page 2
			ID:?Mdg0	82XojFIRg	pD?t4wJJ	yPwGb-WXKAytR3mWghn9kRnqW44dFYRuDqLjGFBYwi	fCz3M6s
L	OAD CASE(S)						
	Uniform Loads (plf)		· · · · · · · · · · · · · · · · · · ·				
3	Vert: 1-5=-50, 5 Dead + Uninhabitable At	6-9=-50, 17-29=-20, 13-29=-50 ttic Without Storage: Lumber), 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14 Increase=1 25_Plate Increase=1 25	-15=-30			
0	Uniform Loads (plf)	the malout otorago: Lambor					
	Vert: 1-5=-20, 5	-9=-20, 17-21=-40, 14-15=-40					
4) Dead + 0.6 C-C Wind (P Uniform Loads (nlf)	os. Internal) Case 1: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-25=25, 5	5-25=19, 5-7=25, 7-9=19, 17-	21=-12				
_	Horz: 1-25=-37,	5-25=-31, 5-7=37, 7-9=31					
5) Dead + 0.6 C-C Wind (P Uniform Loads (nlf)	os. Internal) Case 2: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-3=19, 3-	5=25, 5-28=19, 9-28=25, 17-	21=-12				
~	Horz: 1-3=-31, 3	3-5=-37, 5-28=31, 9-28=37					
6	Uniform Loads (plf)	leg. Internal) Case 1: Lumber	Increase=1.60, Plate Increase=1.60				
	Vert: 1-5=-51, 5	-9=-51, 17-21=-20					
7	Horz: 1-5=31, 5	-9=-31 log Internel\ Case 2: Lumber	Increase 1.60 Plate Increase 1.60				
1	Uniform Loads (plf)	leg. Internal) Case 2. Lumber	Increase=1.00, Plate Increase=1.00				
	Vert: 1-5=-51, 5	-9=-51, 17-21=-20					
R	Horz: 1-5=31, 5-) Dead + 0.6 MWERS Win	-9=-31 nd (Pos_Internal) Left: Lumbe	r Increase-1.60. Plate Increase-1.60				
0	Uniform Loads (plf)	ia (i os. internal) cen. cambe					
	Vert: 1-5=-15, 5	i-9=10, 17-21=-12					
9	Horz: 1-5=3, 5-9 Dead + 0.6 MWFRS Win	9=22 nd (Pos_Internal) Right [,] Lumb	er Increase=1 60. Plate Increase=1 60				
-	Uniform Loads (plf)	··· (· ··· ······) · ··g···· _•···					
	Vert: 1-5=10, 5-	·9=-15, 17-21=-12 5-93					
1	0) Dead + 0.6 MWFRS W	/ind (Neg. Internal) Left: Lumb	er Increase=1.60, Plate Increase=1.60				
	Uniform Loads (plf)	5 0 0 17 01 00					
	Vert: 1-5=-34, Horz: 1-5=14,	5-9=-9, 17-21=-20 5-9=11					
1	1) Dead + 0.6 MWFRS W	/ind (Neg. Internal) Right: Lun	ber Increase=1.60, Plate Increase=1.60				
	Uniform Loads (plf)	0 24 17 21 20					
	Horz: 1-5=-11,	, 5-9=-14					
1	2) Dead + 0.6 MWFRS W	/ind (Pos. Internal) 1st Paralle	I: Lumber Increase=1.60, Plate Increase=1.60				
	Vert: 1-26=27.	. 5-26=15. 5-9=5. 17-21=-12					
	Horz: 1-26=-39	9, 5-26=-27, 5-9=17					
1	 Dead + 0.6 MWFRS W Uniform Loads (plf) 	/ind (Pos. Internal) 2nd Parall	el: Lumber Increase=1.60, Plate Increase=1.60				
	Vert: 1-5=5, 5-	-27=15, 9-27=27, 17-21=-12					
	Horz: 1-5=-17,	, 5-27=27, 9-27=39					
1	4) Dead + 0.6 MVVERS W Uniform Loads (plf)	and (Pos. Internal) 3rd Paralle	E Lumber Increase=1.60, Plate Increase=1.60				
	Vert: 1-5=15, 5	5-9=5, 17-21=-12					
1	Horz: 1-5=-27,	, 5-9=17 /ind (Pos. Internal) 4th Paralle	l: Lumber Increase-1.60. Plate Increase-1.60				
	Uniform Loads (plf)		a. Europer increase=1.00, 1 late increase=1.00				
	Vert: 1-5=5, 5-	-9=15, 17-21=-12					
1	Horz: 1-5=-17, 6) Dead + 0.6 MWFRS W	, 5-9=27 /ind (Neg. Internal) 1st Paralle	el: Lumber Increase=1.60. Plate Increase=1.60				
	Uniform Loads (plf)						
	Vert: 1-26=8, 5 Horz: 1-26=-28	5-26=-4, 5-9=-14, 17-21=-20 8 5-2616 5-9-6					
1	7) Dead + 0.6 MWFRS W	/ind (Neg. Internal) 2nd Parall	el: Lumber Increase=1.60, Plate Increase=1.60)			
	Uniform Loads (plf)	F 07 4 0 07 0 47 04 00					
	Vert: 1-5=-14, Horz: 1-5=-6 5	5-27=-4, 9-27=8, 17-21=-20 5-27=16_9-27=28					
1	8) Dead + Uninhabitable A	Attic Storage: Lumber Increas	e=1.25, Plate Increase=1.25				
	Uniform Loads (plf)	5-0-20 17-20- 20 12 20-	SO 10-1380(E60) 10 20- 60 21 20- 20 4	1-15- 40			
1	9) Dead + 0.75 Roof Live	(bal.) + 0.75 Uninhab. Attic S	torage + 0.75 Attic Floor + 0.75(0.6 MWFRS W	/ind (Neg.	Int) Left):	Lumber	
	Increase=1.60, Plate In	ncrease=1.60	•	. 3			
	Uniform Loads (plf) Vert: 1-5=-61	5-9=-42. 17-29=-20 13-29=-4	50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 1	4-15=-30			
	Horz: 1-5=11,	5-9=8	20, 12 10 00, 10, 10 00 00, 21 00 20,				
2	0) Dead + 0.75 Roof Live	(bal.) + 0.75 Uninhab. Attic S	torage + 0.75 Attic Floor + 0.75(0.6 MWFRS W	/ind (Neg.	Int) Right)	: Lumber	
	morease=1.00, Fiale In	1010030=1.00					

Uniform Loads (plf)

Vert: 1-5=-42, 5-9=-61, 17-29=-20, 13-29=-50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14-15=-30 Horz: 1-5=-8, 5-9=-11

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Jo	b	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn
	0007 0		BOOF TRUGO	<u> </u>		146710301
	G997-R	G04		3	1	Job Reference (optional)

8.430 s Mar 22 2021 MiTek Industries, Inc. Wed Jun 23 15:47:03 2021 Page 3 ID:?MdgC82XojFIRgoD?t4wJJyPwGb-WXKAytR3mWghn9kRnqW44dFYRuDqLjGFBYwrfCz3M6s

LOAD CASE(S)

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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: 1-26=-29, 5-26=-38, 5-9=-46, 17-29=-20, 13-29=-50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14-15=-30

Horz: 1-26=-21, 5-26=-12, 5-9=4

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 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: 1-5=-46, 5-27=-38, 9-27=-29, 17-29=-20, 13-29=-50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14-15=-30

Horz: 1-5=-4, 5-27=12, 9-27=21

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

Uniform Loads (plf)

Vert: 1-5=-60, 5-9=-20, 17-21=-20

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

Uniform Loads (plf)

Vert: 1-5=-20, 5-9=-60, 17-21=-20

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

Vert: 1-5=-50, 5-9=-20, 17-29=-20, 13-29=-50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14-15=-30

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

Vert: 1-5=-20, 5-9=-50, 17-29=-20, 13-29=-50, 10-13=-65(F=-45), 10-30=-50, 21-30=-20, 14-15=-30

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Scale = 1:74.7

June 24,2021

818 Soundside Road Edenton, NC 27932



	7-7-1	15-8-10	19-5-0 19 ₁ 8	}-8
	7-7-1	8-1-8	3-8-6 0-3	-8
Plate Offsets (X,Y) [4:0-3-0,0-2-4]				

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNOCodeIRC2015/TPI2014	CSI. TC 0.99 BC 0.43 WB 0.38 Matrix-MS	DEFL. in Vert(LL) -0.05 Vert(CT) -0.12 Horz(CT) -0.03 Wind(LL) 0.06	(loc) l/defl L/d 15-42 >999 360 15-42 >999 240 1 n/a n/a 15-42 >999 240	PLATESGRIPMT20244/19Weight: 243 lbFT =) 0 = 20%				
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP SLIDER Left 2x	No.2 No.2 No.3 No.3 6 SP No.2 1-11-12		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathir Rigid ceiling directly app 1 Row at midpt	ıg directly applied or 3-9-12 oc purli lied or 9-10-4 oc bracing. 3-10, 5-10, 6-7, 6-10	ns.				
REACTIONS. All be (lb) - Max H Max U Max G	earings 7-8-8 except (jt=length) 1=0-3-8. orz 1=355(LC 12) plift All uplift 100 lb or less at joint(s) 1 rav All reactions 250 lb or less at joint	, 10, 12 except 7=-197(L0 (s) 7, 7, 11, 12, 13, 9, 8 e	C 12) xcept 1=644(LC 19), 10=	759(LC 19)						
FORCES. (lb) - Max. TOP CHORD 1-3=- BOT CHORD 1-15= WEBS 3-10=	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-3=-649/94 BOT CHORD 1-15=-325/638, 13-15=-325/638, 12-13=-325/638, 10-11=-325/638 WEBS 3-10=-750/315, 5-10=-368/71, 3-15=0/304									
 NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-10; V gable end zone and 19-6-12 zone; cantili reactions shown; Lu 3) Truss designed for Gable End Details a 4) All plates are 2x4 Mi 5) Gable studs spaced 6) This truss has been 7) * This truss has been will fit between the b 8) N/A 9) This truss is designed referenced standard 	loads have been considered for this de ult=130mph Vasd=103mph; TCDL=6.0p C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1 aver left and right exposed ; end vertical mber DOL=1.60 plate grip DOL=1.60 wind loads in the plane of the truss only s applicable, or consult qualified building T20 unless otherwise indicated. at 1-4-0 oc. designed for a 10.0 psf bottom chord liv n designed for a live load of 20.0psf on to ottom chord and any other members, w ed in accordance with the 2015 Internatio ANSI/TPI 1.	sign. sf; BCDL=6.0psf; h=32ft) 3-0-0 to 15-8-10, Exteri left and right exposed;C- . For studs exposed to w g designer as per ANSI/T e load nonconcurrent with he bottom chord in all are th BCDL = 10.0psf. onal Residential Code ser	; Cat. II; Exp B; Enclosed ior(2) 15-8-10 to 18-8-10, -C for members and force ind (normal to the face), s Pl 1. h any other live loads. eas where a rectangle 3-6 ctions R502.11.1 and R80	MWFRS (envelope) Interior(1) 18-8-10 to s & MWFRS for ee Standard Industry 6-0 tall by 2-0-0 wide 02.10.2 and	SEAL 45844	KIN MILLING				

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5) * This truss has been designed for a live load of 20.0psf 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 8. This connection is for uplift only and does not consider lateral forces.

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



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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Torino20CL;Lot997 CarriageGlenn	
						146710304
CG997-R	H05GR	SPECIAL	1	2		
				U	Job Reference (optional)	
Builders FirstSource (Apex,	NC), Apex, NC - 27523,		8	.430 s Jun	2 2021 MiTek Industries, Inc. Wed Jun 23 13:59:12 2021	Page 2
		ID:?MdqC82XojFIRqoD?t4wJJyPwGb-qfqTXaKlqEi?WFPDYw6mzXklcOh6q1JnAHuw1r				

LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-6=-60, 6-8=-60, 14-16=-811(F=-791), 11-13=-811(F=-791), 9-10=-811(F=-791)

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 **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





LUMBER-

 TOP CHORD
 2x4 SP No.2

 BOT CHORD
 2x4 SP No.2

 WEBS
 2x4 SP No.2

 OTHERS
 2x4 SP No.3

BRACING-TOP CHORD

 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 Bigid colling directly applied or 6.0.0 oc bracing

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 12-0-0.

(lb) - Max Horz 24=-144(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 14, 20, 21, 22, 18, 17, 16 except 24=-126(LC 8), 23=-128(LC 9),

15=-100(LC 8)

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

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-0-0, Exterior(2) 2-0-0 to 6-0-0, Corner(3) 6-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

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

5) Gable requires continuous bottom chord bearing.

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

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

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

9) * This truss has been designed for a live load of 20.0psf 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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¹⁰⁾ N/A



		6-0-0			6-0-0	
LOADING(psf)SPACING-TCLL20.0Plate Grip DOTCDL10.0Lumber DOLBCLL0.0 *Rep Stress IncBCDL10.0Code IRC201	2-0-0 L 1.15 1.15 cr YES 5/TPI2014	CSI. TC 0.48 BC 0.27 WB 0.09 Matrix-MR	DEFL. Vert(LL) -0. Vert(CT) -0. Horz(CT) 0. Wind(LL) 0.	in (loc) 03 6-7 06 6-7 01 5 03 6-7	l/defl L/d >999 360 >999 240 n/a n/a >999 240	PLATES GRIP MT20 244/190 Weight: 51 lb FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x6 SP No.2 *Except*
	3-6: 2x4 SP No.3

REACTIONS. (size) 7=0-3-8, 5=0-3-8 Max Horz 7=140(LC 9) Max Uplift 7=-62(LC 12), 5=-38(LC 13) Max Grav 7=531(LC 1), 5=458(LC 1)

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

TOP CHORD 2-7=-468/170, 2-3=-476/109, 3-4=-469/110, 4-5=-390/121

BOT CHORD 6-7=-24/313, 5-6=-24/313

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-0-0, Exterior(2) 6-0-0 to 10-2-15, Interior(1) 10-2-15 to 11-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7 and 5. This connection is for uplift only and does not consider lateral forces.

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



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BRACING-TOP CHORD

BOT CHORD

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



			9-5-0				
			9-5-0				1
Plate Offsets (X,Y)	[2:0-0-0,0-1-15], [2:0-3-6,Edge]						
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc)	l/defl l	L/d PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.10	7-10	>999 3	60 MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.50	Vert(CT) -0.21	7-10	>526 2	240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.01	2	n/a ı	n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.01	7-10	>999 2	240 Weight: 42	lb FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP	No.2 No.2	BRACING- TOP CHORD	Structur except e	al wood she	eathing directly applied or 6-(0-0 oc purlins,	

WEBS 2x4 SP No.3 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEDGE

Left: 2x4 SP No.3

REACTIONS. (size) 2=0-3-0, 7=0-2-0

Max Horz 2=108(LC 11) Max Uplift 2=-100(LC 8), 7=-79(LC 8) Max Grav 2=421(LC 1), 7=374(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-663/160 BOT CHORD 2-7=-236/639

3-7=-601/211 WEBS

NOTES-

1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide 3) will fit between the bottom chord and any other members.

4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.

5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 7. This connection is for uplift only and does not consider lateral forces.

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



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Edenton, NC 27932



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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-3-2 to 3-3-2, Exterior(2) 3-3-2 to 5-6-0, Corner(3) 5-6-0 to 8-6-0, Exterior(2) 8-6-0 to 10-8-14 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 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 20.0psf 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) 7 except (jt=lb) 1=134.
- 9) N/A

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

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



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	[5.0-2-0,Luge]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- Plate Grip DOL2-0-0Lumber DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.27 BC 0.16 WB 0.05	DEFL. in (loc) l/defl L/d PLATES GRIP Vert(LL) n/a - n/a 999 MT20 244/190 Vert(CT) n/a - n/a 999 MT20 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Weight: 39 lb FT = 20%
LUMBER- TOP CHORD 2x4 S	P No.3		BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD

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

TOP CHORD2x4 SP No.3BOT CHORD2x4 SP No.3OTHERS2x4 SP No.3

REACTIONS. All bearings 10-6-8.

(lb) - Max Horz 1=80(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) except 6=-108(LC 13), 7=-111(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=301(LC 20), 7=304(LC 19)

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 5-3-4, Exterior(2) 5-3-4 to 8-3-4, Interior(1) 8-3-4 to 10-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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) N/A

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



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				0-0-0	
	(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP	
TCDL	20.0 10.0	Lumber DOL 1.15	BC 0.13	Vert(LL) n/a - n/a 999 M120 244/190 Vert(CT) n/a - n/a 999	
BCLL BCDL	0.0 * 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.03 Matrix-P	Horz(CT) 0.00 3 n/a n/a Weight: 22 lb FT = 20%	

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LUMBER-
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TOP CHORD2x4 SP No.3BOT CHORD2x4 SP No.3OTHERS2x4 SP No.3

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=6-6-8, 3=6-6-8, 4=6-6-8 Max Horz 1=-47(LC 10) Max Uplift 1=-28(LC 12), 3=-34(LC 13) Max Grav 1=119(LC 1), 3=119(LC 1), 4=207(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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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 28 lb uplift at joint 1 and 34 lb uplift at joint 3.

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



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2x4 💋

2x4 📎

2-6-8 2-6-8 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-PLATES GRIP LOADING (psf) 2-0-0 CSI. DEFL in (loc) l/defl L/d Plate Grip DOL TCLL 20.0 1.15 тс 0.02 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.05 Vert(CT) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a Code IRC2015/TPI2014 FT = 20% BCDL 10.0 Matrix-P Weight: 7 lb BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.3 2x4 SP No.3 BOT CHORD

REACTIONS. 1=2-6-8, 3=2-6-8 (size) Max Horz 1=-13(LC 10) Max Uplift 1=-7(LC 12), 3=-7(LC 13) Max Grav 1=63(LC 1), 3=63(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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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 7 lb uplift at joint 1 and 7 lb uplift at joint 3.

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



Structural wood sheathing directly applied or 2-6-8 oc purlins.

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

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ENGINEERING BY A Mi Tek Affiliate 818 Soundside Road

Edenton, NC 27932





Edenton, NC 27932

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5) * This truss has been designed for a live load of 20.0psf 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.
 7) N/A

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



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BOT CHORD

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

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

REACTIONS. (size) 1=7-2-2, 3=7-2-2, 4=7-2-2 Max Horz 1=52(LC 11) Max Uplift 1=-23(LC 12), 3=-31(LC 13), 4=-10(LC 12) Max Grav 1=121(LC 1), 3=121(LC 1), 4=255(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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

7) N/A

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



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2x4 🥢

2x4 📎

3-2-2 3-2-2 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-GRIP LOADING (psf) 2-0-0 CSI. DEFL in (loc) l/defl L/d PLATES TCLL 20.0 Plate Grip DOL 1.15 тс 0.03 Vert(LL) 999 244/190 n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.10 Vert(CT) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a Code IRC2015/TPI2014 FT = 20% BCDL 10.0 Matrix-P Weight: 9 lb

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD2x4 SP No.3BOT CHORD2x4 SP No.3

REACTIONS. (size) 1=3-2-2, 3=3-2-2 Max Horz 1=-19(LC 8) Max Uplift 1=-10(LC 12), 3=-10(LC 13) Max Grav 1=89(LC 1), 3=89(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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and

referenced standard ANSI/TPI 1.



Structural wood sheathing directly applied or 3-2-2 oc purlins.

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

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			<u>8-2-6</u> 8-2-6			
Plate Offsets (X,Y)	[1:0-4-0,0-2-0]					
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.47 BC 0.28 WB 0.06 Matrix-S	DEFL. ir Vert(LL) n/a Vert(CT) n/a Horz(CT) 0.00	n (loc) l/defl L/d a - n/a 999 a - n/a 999 5 n/a n/a	PLATES MT20 Weight: 33 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3			BRACING- TOP CHORD BOT CHORD	Structural wood sheathing dire except end verticals. Rigid ceiling directly applied or	ectly applied or 6-0-0 • 10-0-0 oc bracing.	oc purlins,

REACTIONS. (size) 1=8-2-6, 5=8-2-6, 6=8-2-6 Max Horz 1=98(LC 9) Max Uplift 1=-27(LC 12), 5=-49(LC 13), 6=-22(LC 12) Max Grav 1=173(LC 1), 5=118(LC 20), 6=338(LC 19)

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-8-8 to 3-8-8, Interior(1) 3-8-8 to 5-3-4, Exterior(2) 5-3-4 to 8-0-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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) N/A

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



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BOT CHORD

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

REACTIONS. (size) 1=5-6-5, 4=5-6-5, 5=5-6-5 Max Horz 1=-47(LC 8) Max Uplift 1=-36(LC 13), 4=-52(LC 13)

Right 2x4 SP No.3 1-6-6

2x4 SP No.3

Max Grav 1=141(LC 1), 4=127(LC 1), 5=151(LC 3)

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

NOTES-

OTHERS

SLIDER

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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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. 7) N/A

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



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2x4 🥢

2x4 📎

2-6-8 2-6-8 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-PLATES GRIP LOADING (psf) 2-0-0 CSI. DEFL in (loc) l/defl L/d Plate Grip DOL TCLL 20.0 1.15 тс 0.02 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 BC 0.05 Vert(CT) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a Code IRC2015/TPI2014 FT = 20% BCDL 10.0 Matrix-P Weight: 7 lb

LUMBER-

TOP CHORD2x4 SP No.3BOT CHORD2x4 SP No.3

REACTIONS. (size) 1=2-6-8, 3=2-6-8 Max Horz 1=-13(LC 8) Max Uplift 1=-7(LC 12), 3=-7(LC 13) Max Grav 1=63(LC 1), 3=63(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=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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 20.0psf 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.

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



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BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-6-8 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

