

RE: 21070086-A 208 Crossing at ACC-Braxton A-Roof Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Customer: Capitol City HomesProject Name: 21070086-A
Model:Lot/Block: 208Model:Address: 122 Kensington Dr.Subdivision: Crossing at ACC
State: NC

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

Design Code: IRC2015/TPI2014 Wind Code: ASCE 7-10 Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.5 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 31 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	145805693	J2	7/14/2021	21	I45805713	T7GE	7/14/2021
2	145805694	PB1	7/14/2021	22	145805714	T8	7/14/2021
3	145805695	T1	7/14/2021	23	145805715	T8GR	7/14/2021
4	145805696	T1A	7/14/2021	24	145805716	V1	7/14/2021
5	145805697	T1AGE	7/14/2021	25	145805717	V2	7/14/2021
6	145805698	T1B	7/14/2021	26	l45805718	V3	7/14/2021
7	145805699	T1GE	7/14/2021	27	l45805719	V4	7/14/2021
8	145805700	T2GE	7/14/2021	28	I45805720	V5	7/14/2021
9	145805701	T2GR	7/14/2021	29	l45805721	V6	7/14/2021
10	145805702	T3GE	7/14/2021	30	l45805722	V7	7/14/2021
11	145805703	T3GR	7/14/2021	31	l45805723	V8	7/14/2021
12	145805704	T3SE	7/14/2021				
13	145805705	T4GR	7/14/2021				
14	145805706	T5	7/14/2021				
15	145805707	T6	7/14/2021				
16	145805708	T6A	7/14/2021				
17	I45805709	T6GR	7/14/2021				
18	145805710	T6SE	7/14/2021				
19	I45805711	T7	7/14/2021				

7/14/2021

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

based on the parameters provided by Carter Components (Sanford, NC)).

T7A

Truss Design Engineer's Name: Sevier, Scott

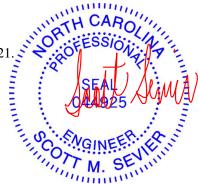
My license renewal date for the state of North Carolina is December 31, 2021

North Carolina COA: C-0844

145805712

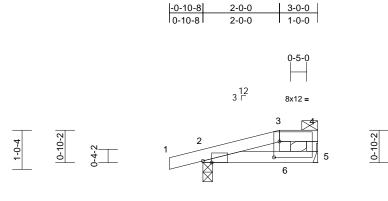
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IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads,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



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	J2	Half Hip	1	1	Job Reference (optional)	145805693

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:46 ID:ZONWJwbGp9yOcO44S3A?eiyqD6W-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



3x5 =

L	2-1-12	3-0-0
	2-1-12	0-10-4

Scale = 1:30.1

Plate Offsets (X, Y): [2:0-2-12,Edge], [3:0-1-12,0-5-0]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.06 0.06 0.05 or great	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 9 6-9 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 12 lb	GRIP 244/190 FT = 20%
TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 3-0-0 oc purlins, exi 2-0-0 oc purlins: 3-4 Rigid ceiling directly	cept end verticals, ar	nd 7)	load of 12.0 overhangs n Provide adeo * This truss h on the bottor 3-06-00 tall b chord and ar Refer to gird	psf or 2.00 times fl on-concurrent with quate drainage to p has been designed n chord in all areas by 2-00-00 wide wi y other members. er(s) for truss to tru	at roof l other lip prevent for a liv s where Il fit betw uss coni	bad of 13.9 p ve loads. water ponding e load of 20.0 a rectangle veen the bott nections.	sf on g. Opsf om					
	bracing. (size) 2=0-3-0, 5 Max Horiz 2=20 (LC Max Uplift 2=-32 (LC Max Grav 2=202 (LC	11), 5=-1 (LC 11)	8) 9)	bearing plate 5. One RT7A M truss to bear	hanical connection capable of withsta liTek connectors ro ing walls due to UI s for uplift only and	anding 1 ecomme PLIFT a	Ib uplift at jo ended to conr t jt(s) 2. This	int nect					
FORCES TOP CHORD	Tension				forces. 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.								
BOT CHORD WEBS NOTES	2-6=-57/109, 5-6=-1 3-6=-42/38, 4-6=-51,		11	 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 							mun	1111.	
Vasd=103 Cat. II; Exy Exterior (2 vertical lef forces & M DOL=1.60 2) TCLL: ASC DOL=1.15 snow); Pf= Plate DOL Ct=1.10, L	CE 7-10; Vult=130mph mph; TCDL=6.0psf; Bu o B; Enclosed; MWFR3) zone; cantilever left at and right exposed;C- IWFRS for reactions s plate grip DOL=1.33 CE 7-10; Pr=20.0 psf (Plate DOL=1.15); Pg= 18.9 psf (flat roof sno =1.15); Category II; Ex u=50-0-0 ad snow loads have be	CDL=6.0psf; h=25ft; S (envelope) and C-G and right exposed ; e C for members and hown; Lumber roof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.15 sp B; Fully Exp.;	C nd r	DAD CASE(S)	Standard					Contraction of the second s		M.M.	25 EER IR III

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



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	PB1	Piggyback	19	1	Job Reference (optional)	145805694

-0-8-9

0-8-9

1-7-1

1-7-1

Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:49 ID:U8HVzsF7Cir4Jv0wjM9xO1yqBzM-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3-2-2

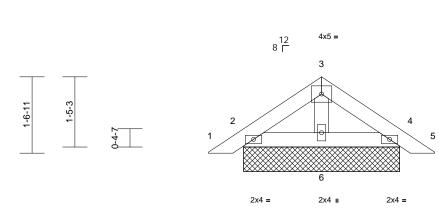
3-2-2

1-7-1

3-10-11

0-8-9

Page: 1



Scale 1.22 5

Scale = 1:23.5						1							
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.02 0.03 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 14 lb	GRIP 244/190 FT = 20%
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS (REACTIONS (REACTIONS (N FORCES TOP CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=103m Cat. II; Exp Exterior (2) vertical left forces & MU DOL=1.60 p Solu-1.60 p S	7=3-2-2, 1 Max Horiz 2=-27 (LC Max Uplift 2=-8 (LC (LC 13), 1 Max Grav 2=98 (LC	applied or 10-0-0 oc 4=3-2-2, 6=3-2-2, 11=3-2-2 11), 7=-27 (LC 11) 13), 4=-10 (LC 14), 7 1=-10 (LC 14) 2), 4=98 (LC 2), 6=1 98 (LC 2), 11=98 (LC pression/Maximum 9, 3-4=-34/30, 4-5=0/ been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed; e C for members and hown; Lumber In the plane of the trus (normal to the face), d Details as applicab	d or 5) 6) 7) 8) 7=-8 9) 720 10 11 11 10 11 11 10 11 11 1	DOL=1.15 F snow); Pf=1 Plate DOL= Ct=1.10 This truss ha load of 12.0 overhangs r Gable requii Gable studs * This truss on the botto 3-06-00 tall chord and a N/A D) This truss is Internationa R802.10.2 a 1) See Standau Detail for Co	 F-10; Pr=20.0 ps late DOL=1.15); 1 3.9 psf (flat roof si 1.15); Category II; as been designed psf or 2.00 times on-concurrent wite es continuous bo spaced at 2-0-00 tas been designed n chord in all area by 2-00-00 wide w ny other members designed in accoo Residential Code nd referenced statistication di Industry Piggyti nnection to base fied building designed Standard 	Pg=20.0 ; now: Lum; Exp B; F for great flat roof li th other li ttom chor oc. do for a liv as where vill fit betw s. wrdance w e sections andard AN back Truss as a	osf (ground her DOL=1.1 Fully Exp.; er of min roof bad of 13.9 p. ve loads. rd bearing. re load of 20.0 a rectangle veen the botto ith the 2015 s R502.11.1 a VSI/TP1 1. s Connection	5 f live sf on Opsf om				ORTH CA ORTHESS SEA 0449 CONGIN	EEP. R. H.

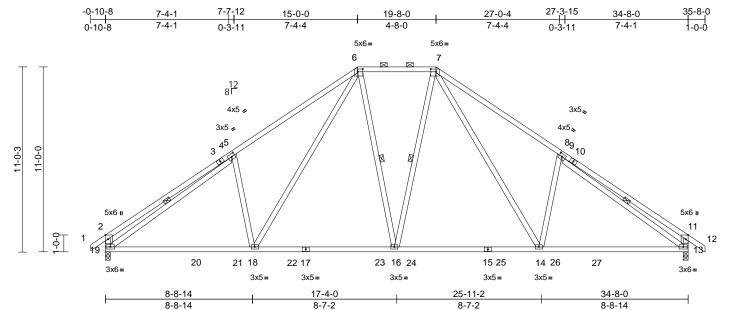


M. S 11111111 April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1	Piggyback Base	5	1	Job Reference (optional)	145805695

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Page: 1



Scale = 1:68.5

Plate Offsets (X, Y): [2:0-3-0,Edge], [4:0-2-5,0-2-0], [6:0-3-12,0-2-0], [7:0-3-12,0-2-0], [9:0-2-5,0-2-0], [11:0-3-0,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-MSH	0.85 0.91 0.61	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.18 -0.31 0.08	(loc) 14-16 14-16 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 229 lb	GRIP 244/190 FT = 20%
	No.3 Structural wood she except end verticals (5-1-14 max.): 6-7. Rigid ceiling directly bracing.	LC 11)	Vasd=10 Cat. II; E Exterior vertical I forces & DOL=1.' 3) TCLL: A DOL=1.' snow); F Plate DC Ct=1.10 4) This trus load of 1 overhan	ICE 7-10; Vult=130m, 3mph; TCDL=6.0psf; xp B; Enclosed; MWF 2) zone; cantilever le if and right exposed; MWFRS for reactions 0 plate grip DDL=1.3 SCE 7-10; Pr=20.0 ps 5 Plate DOL=1.15); F i=18.9 psf (flat roof sr L=1.15); Category II; Lu=50-0-0 s has been designed 2.0 psf or 2.00 times I s non-concurrent witi dequate drainage to	BCDL=6 RS (env ft and rig C-C for r s shown; 3 f (roof liv 2g=20.0 how: Lun Exp B; F for great fat roof I n other li	6.0psf; h=25ft; elope) and C- ht exposed; and C- ht exposed; and C- ht exposed; and Lumber ve load: Lumb psf (ground ber DOL=1.1 Fully Exp.; er of min roof oad of 13.9 ps ve loads.	C end 5 live sf on					
FORCES	(lb) - Maximum Com Tension 1-2=0/43, 2-3=-653/ 4-5=-1857/350, 5-6= 6-7=-1233/371, 7-8= 8-9=-1858/350, 9-10 10-11=-643/295, 11- 11-13=-575/272	297, 3-4=-540/301, 1985/514, 1985/514,	6) * This tru on the b 3-06-00 chord ar 7) This trus Internati 70, R802.10	ss has been designed to the state of the state of the state all by 2-00-00 wide w d any other members is designed in accound nal Residential Code 2 and referenced sta	d for a liv is where ill fit betv , with BC dance w sections ndard At	re load of 20.0 a rectangle ween the botto CDL = 10.0psf rith the 2015 s R502.11.1 a NSI/TPI 1.	Dpsf om				WITH CA	NRO (11)
BOT CHORD	19-20=-154/1711, 20 18-21=-154/1711, 18 17-22=0/1266, 17-23	3-22=0/1266, 3=0/1266, 16-23=0/12 4=0/1231, 15-25=0/12 6=-151/1557, 3-27=-151/1557	or the or bottom o ^{66,} LOAD CASE	I purlin representation entation of the purlin hord. (S) Standard			si∠e			Se	OF ESS SEA 0449	• -
NOTES	5-18=-397/299, 6-18 6-16=-58/299, 7-16= 8-14=-397/299 d roof live loads have	=-210/746, 59/298, 7-14=-209/7	48,							In Strange		EERIRA

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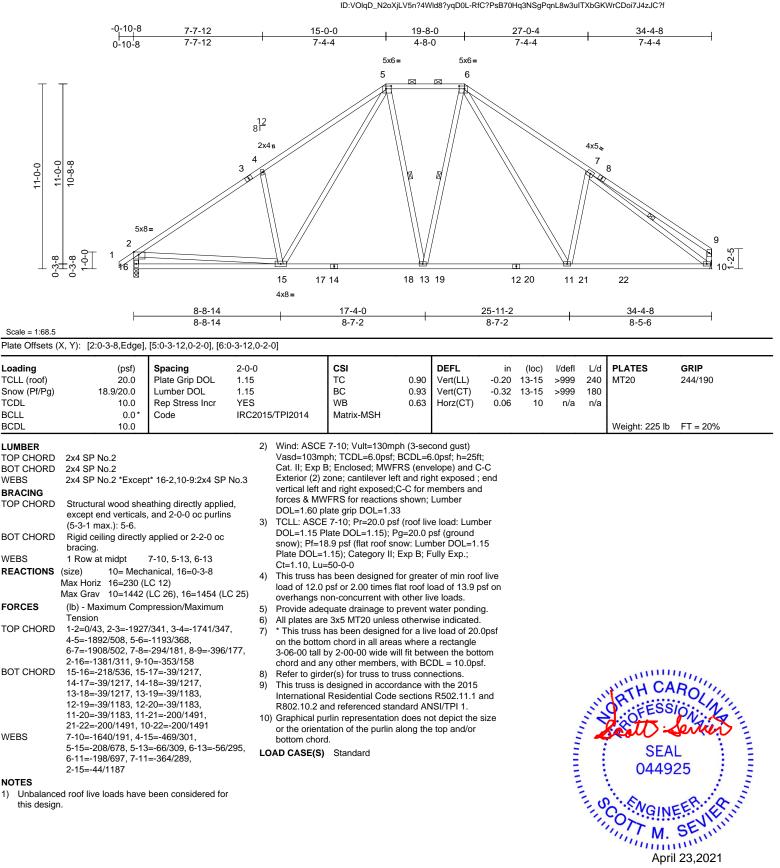


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Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1A	Piggyback Base	5	1	Job Reference (optional)	145805696

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:50 ID:VOlqD_N20XjLV5n?4Wld8?yqD0L-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

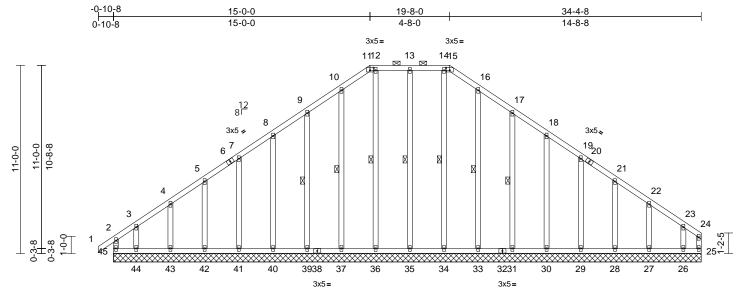
Page: 1





Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1AGE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	145805697

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:50 ID:dcVKNdJXkIDw0TTErggh_9yqD0P-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



34-4-8

Scale = 1:67.4 Plate Offsets (X, Y): [11:0-2-8,0-1-13], [15:0-2-8,0-1-13]

Plate Olisets ()	κ, τ): [Π:υ	J-2-8,0-1-1	3], [15:0-2-8,0-1-13]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	18	(psf) 20.0 8.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	1	CSI TC BC WB Matrix-MR	0.19 0.09 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.01	(loc) 25	n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 273 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS	42-5,43-4 No.3 Structural 6-0-0 oc p 2-0-0 oc p	o.2 o.3 o.2 *Excep ,44-3,28-2 I wood she purlins, exp purlins, exp purlins (6-0 ing directly	t [*] 1,27-22,26-23:2x4 SF athing directly applied cept end verticals, an -0 max.): 11-15. applied or 6-0-0 oc 13-35, 12-36, 10-37,	lor	(lb Te 2-4 3-4	29=166 31=168 34=163 36=171 39=166 41=166 43=169 45=232) - Maximum Co nsion 45=-182/117, 1-2 4=-147/144, 4-5=	(LC 30) (LC 26) (LC 26) (LC 28) (LC 28) (LC 25) (LC 25) (LC 25) (LC 22), (LC 26) mpressi 2=0/43, 1 =-141/14	28=166 (LC 30=166 (LC 33=163 (LC 35=166 (LC 37=168 (LC 40=166 (LC 42=167 (LC 44=209 (LC 1 000/Maximum 2-3=-208/187 0, 5-6=-128/	26), 26), 26), 30), 25), 25), 25), 25), 1),	th 2) W Vi C E Ve fo D 3) T or se or	nbalanced is design. ind: ASCI asd=103m at. II; Exp terior (2) ertical left rcces & MV OL=1.60 p russ desig ily. For si ee Standa consult q	E 7-10; nph; TC B; Enc zone; and rig VFRS blate gi gned fo suds ex rd Indu ualified	: Vult=130mph (3 CDL=6.0psf; BCD closed; MWFRS (cantilever left and pht exposed;C-C f for reactions sho rip DOL=1.33 or wind loads in th cposed to wind (n sstry Gable End E d building designed	PL=6.0psf; h=25ft; envelope) and C-C d right exposed ; end for members and wn; Lumber ne plane of the truss ormal to the face), Jetails as applicable, er as per ANSI/TPI 1.
	Max Horiz	25=34-4-8 28=34-4-8 35=34-4-8 35=34-4-8 42=34-4-8 45=34-4-8 45=230 (L 25=-128 (L 27=-23 (L 29=-30 (L 31=-37 (L 35=-18 (L 41=-29 (L	.C 10) LC 12), 26=-123 (LC C 14), 28=-31 (LC 14 C 14), 30=-29 (LC 14 C 14), 33=-10 (LC 14 C 9), 37=-12 (LC 13), C 13), 40=-29 (LC 13 C 13), 42=-32 (LC 13 C 13), 44=-142 (LC 1	4-8, 1-8,	9 111 133 155 177 19 211 233 444 411 388 352 299 266 133 100 7-4 3-4 166 188 211 299 266 133 105 107 109 211 233 245 107 109 211 233 245 107 109 211 233 245 107 109 211 233 444 411 388 352 299 263 107 109 213 209 263 107 109 213 209 213 107 109 216 107 217 209 216 107 216 107 217 209 216 107 217 209 216 107 217 209 216 107 107 217 217 217 217 217 217 217 21	7=-108/138, 7-8 10=-248/290, 10 -12=-248/298, 1 -14=-248/298, 1 -16=-282/329, 1 -16=-282/329, 1 -20=-78/110, 20 -22=-73/64, 22-2 -24=-122/108, 2 -22=-73/64, 22-2 -24=-122/108, 2 -24=-122/108, 2 -35=87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -33=-87/97, 34-2 -35=-126/78, 12 -37=-128/50, 9-2 41=-128/50, 9-2 41=-128/50, 9-2 41=-128/50, 9-2 41=-128/50, 9-2 41=-128/50, 9-2 41=-128/50, 9-2 -27=-126/79, 19 -28=-127/81, 22 -26=-141/110	-11=-28 2-13=-2 4-15=-2 6-17=-2 8-19=-1 -21=-98 23=-79/7 4-25=-1 14=-87/9 38=-87/9 36=-87/9 36=-87/9 29=-87/9 29=-87/9 29=-87/9 -36=-13 39=-137 -34=-12 -34=-12 -31=-13 -29=-12	2/329, 48/298, 48/298, 48/290, 46/169, 46/169, 104, 1, 00/79 17, 39-40=-87 17, 39-40=-87 17, 39-40=-87 17, 39-34=-87 17, 30-31=-87 17, 27-28=-87 17 1/69, 192, 8-40=-12 12, 4-43=-129 3/69, 1/92, 8/82,	/97, /97, /97, /97, /97, /97,	D Sr Pl C 5) TI Io	OL=1.15 F now); Pf=1 ate DOL= i=1.10, Lu nis truss h ad of 12.0	Plate D 8.9 ps 1.15); =50-0- as bee psf or non-co	POL=1.15); Pg=20 f (filat roof snow: Category II; Exp on designed for gg 2.00 times flat rc ncurrent with oth CALCA	Lumber DOL=1.15 B; Fully Exp.; reater of min roof live of load of 13.9 psf on er live loads.

April 23,2021

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Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1AGE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	145805697

- 6) Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated. 7)
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). 10) Gable studs spaced at 2-0-0 oc.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

12) _{N/A}

- 13) 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.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

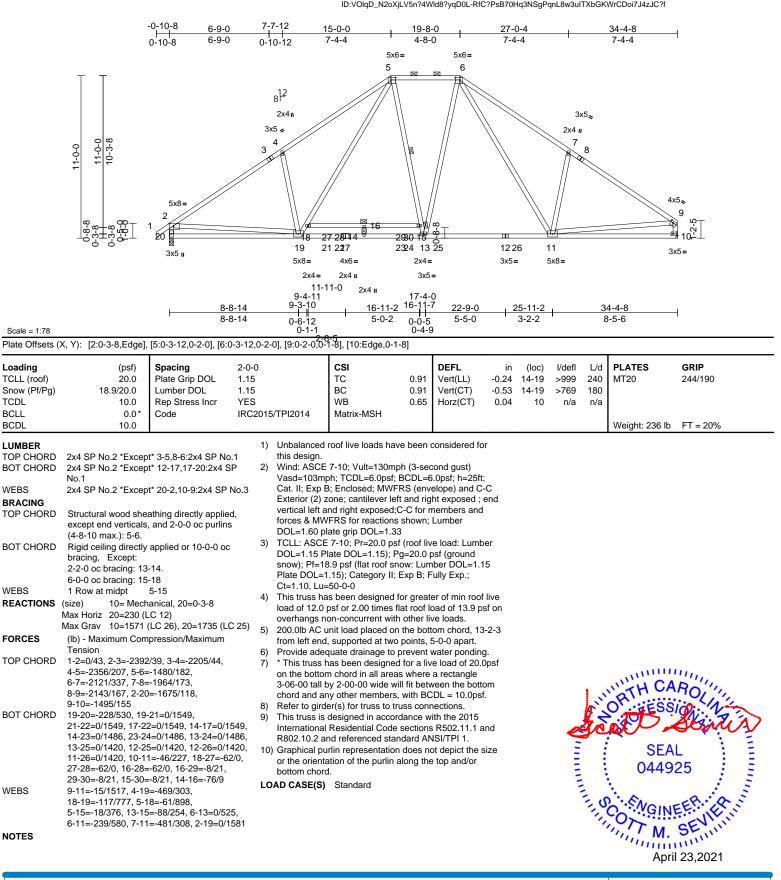
Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:50 ID:dcVKNdJXkIDw0TTErggh_9yqD0P-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1B	Piggyback Base	7	1	Job Reference (optional)	145805698

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:51 ID:VOlqD_N20XjLV5n?4Wld8?yqD0L-RfC?PsB70Hq3NSqPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	145805699

19-8-0

4-8-0

Carter Components (Sanford), Sanford, NC - 27332

-0-10-8

15-0-0

15-0-0

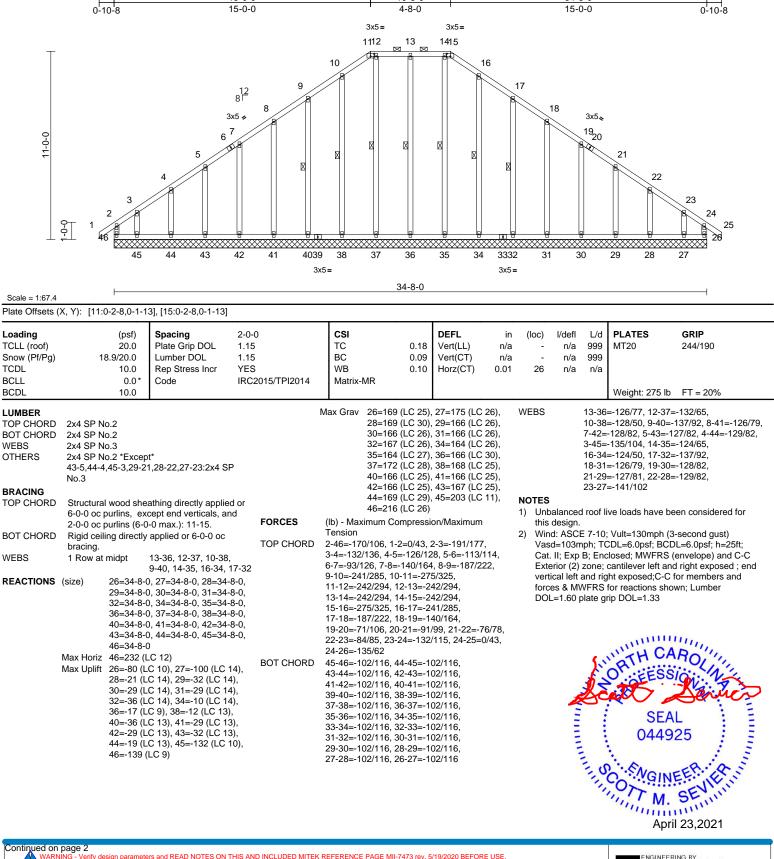
Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:52 ID:8QxxAHJvz_53OJu1Iz9SRxyqD0Q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

34-8-0

15-0-0

Page: 1

35-6-8



818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T1GE	Piggyback Base Supported Gable	1	1	Job Reference (optional)	145805699
Carter Components (Sanford), S	anford, NC - 27332.	Run: 8.5 S 0 Mar 22 2	2021 Print: 8.	500 S Mar 2	2 2021 MiTek Industries, Inc. Fri Apr 23 10:23:52	Page: 2

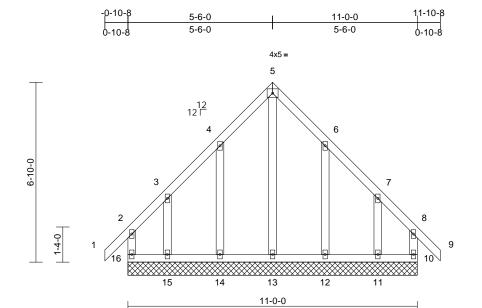
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0
- This truss has been designed for greater of min roof live 5) load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads
- 6) Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated. 7)
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 12) _{N/A}
- 13) 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.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Run: 8.5.S.0 Mar 22 2021 Print: 8.500 S.Mar 22 2021 MiTek Industries. Inc. Fri Apr 23 10:23:52 ID:8QxxAHJvz_53OJu1Iz9SRxyqD0Q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T2GE	Common Supported Gable	1	1	Job Reference (optional)	145805700

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:52 ID:oT837ZFm8STmIY04VQaHluyqD0V-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:43.8

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MR	0.13 0.07 0.21	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 75 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 *Except Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 10=11-0-(13=11-0-(13=11-0-(16=11-0-(Max Horiz 16=-159) Max Uplift 10=-93 (L 12=-54 (L	v applied or 6-0-0 oc 0, 11=11-0-0, 12=11- 0, 14=11-0-0, 15=11- 0	-0-0, 4) -0-0, 4)), 3), 5)	Vasd=103mj Cat. II; Exp E Exterior (2) z vertical left at forces & MW DOL=1.60 pl Truss desig only. For stu see Standard or consult qu TCLL: ASCE DOL=1.15 P snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha	7-10; Vult=130m bit, TCDL=6.0psf; 3; Enclosed; MWF cone; cantilever le ind right exposed; (FRS for reactions late grip DOL=1.3 need for wind loads uds exposed to wi d Industry Gable B ialified building de ; 7-10; Pr=20.0 ps late DOL=1.15); F 3.9 psf (flat roof sr 1.15); Category II; ss been designed psf or 2.00 times i	BCDL=6 FRS (env ft and rig C-C for n s shown; 3 s in the p nd (norm End Deta ssigner a: sf (roof liv Pg=20.0 p now: Lum Exp B; F for greate	.0psf; h=25ft; elope) and C- ht exposed; - nembers and Lumber ane of the tru al to the face is as applical is per ANSI/Tf e load: Lumb usf (ground ber DOL=1.1 ully Exp.; er of min roof	-C end uss), ble, PI 1. ber 15					

	Max Grav	10=165 (LC 25), 11=193 (LC 26),
		12=184 (LC 26), 13=189 (LC 14),
		14=183 (LC 25), 15=198 (LC 25),
		16=174 (LC 26)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD	3-4=-100	7/97, 1-2=0/54, 2-3=-105/110, /143, 4-5=-192/253, 5-6=-192/252, /145, 7-8=-95/101, 8-9=0/54,

8-10=-130/95 BOT CHORD 15-16=-82/81, 14-15=-82/81, 13-14=-82/81, 12-13=-82/81, 11-12=-82/81, 10-11=-82/81 WEBS 5-13=-290/150, 4-14=-170/131, 3-15=-160/131, 6-12=-170/131, 7-11=-157/130

NOTES

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

- overhangs non-concurrent with other live loads. 6)
- All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing. 8) Truss to be fully sheathed from one face or securely
- braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

11) _{N/A}

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. LOAD CASE(S) Standard



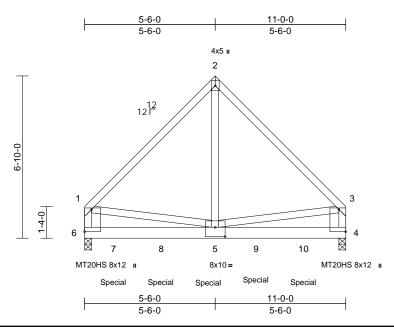
Page: 1



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T2GR	Common Girder	1	2	Job Reference (optional)	145805701

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:53 ID:zaIDRKNgZqsC6EMBeEGshCyqD0K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:48.5

Plate Offsets (X, Y): [4:Edge,0-3-8], [5:0-5-0,0-4-12], [6:Edge,0-3-8]

- 1410 0110010	(X, T): [1:Edge,e e e],	[0.0 0 0,0 1 12], [0.	Eugo,0 0 0											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0 2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.2	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015 4)	5/TPI2014 Wind: ASCE Vasd=103m Cat. II; Exp E left and right exposed; Lu TCLL: ASCE	CSI TC BC WB Matrix-MSH 7-10; Vult=130mp oh; TCDL=6.0psf; 3; Enclosed; MWF exposed ; end vet mber DOL=1.60 pl 7-10; Pr=20.0 pst	BCDL=6 RS (env rtical left late grip f (roof liv	6.0psf; h=25ft elope); cantil and right DOL=1.33 re load: Lumb	ever	(loc) 4-5 4-5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS Weight: 152 lb	GRIP 244/190 187/143 FT = 20%	
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 of 6=0-3-8		snow); Pf=13 Plate DOL=1 Ct=1.10 All plates are	late DOL=1.15); P 3.9 psf (flat roof sn .15); Category II; MT20 plates unle	iow: Lun Exp B; F ess othe	ber DOL=1. ully Exp.; wise indicate	ed.						
(0.131"x3 Top chord oc. Bottom ch staggered Web conr 2) All loads a except if r CASE(S) provided i unless oth	Max Grav 4=3828 (L (lb) - Maximum Com Tension 1-2=-3131/0, 2-3=-3 3-4=-2581/0 6-7=-32/672, 7-8=-3 5-9=0/582, 9-10=0/5 2-5=0/3985, 1-5=0/1 s to be connected toget ") nails as follows: ds connected as follows: ds connected as follows: nords connected as follows: nords connected as follows: at 0-7-0 oc. nected as follows: 2x4 - are considered equally noted as front (F) or bar section. Ply to ply com to distribute only loads herwise indicated.	C 20), 6=4117 (LC ppression/Maximum 131/0, 1-6=-2583/0, 2/672, 5-8=-32/672, 582, 4-10=0/582 666, 3-5=0/1658 ther with 10d s: 2x4 - 1 row at 0-9- ows: 2x6 - 2 rows -1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LC nections have been noted as (F) or (B),	8) 9) 0 LC 1) DAD	on the bottor 3-06-00 tall to chord and ar This truss is International R802.10.2 a Hanger(s) or provided suf Ib down at 1 down at 5-2 Ib down at 5 selection of responsibility DAD CASE(S) Dead + Smr Increase=1 Uniform Lo Vert: 1-2 Concentrat	Standard bw (balanced): Lur .15 ads (lb/ft) =-48, 2-3=-48, 4-6 ed Loads (lb) 1157 (B), 7=-1157	s where ill fit betw dance w sections ndard Al device(s concentri- wn at 3- lown at hord. T evice(s) mber Inc	a rectangle veen the bott ith the 2015 5 R502.11.1 a NSI/TPI 1. i) shall be ated load(s) 1 2-12, 1432 lb 7-2-12, and 1 re design/ is the rease=1.15,	om and 1432 1432 Plate				Minnin	25 EER IR	and an

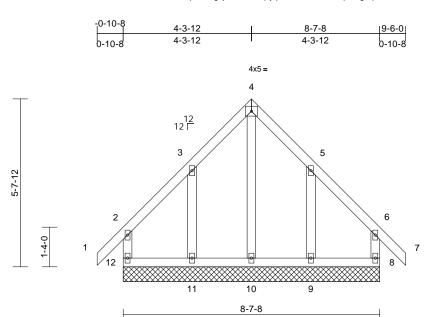
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T3GE	Common Supported Gable	1	1	Job Reference (optional)	145805702

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:53 ID:krGpYFG0g3jUXsAScrclqJyqD0T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Scale = 1:38.7

Loading TCLL (roof)	(psf) 20.0 13.9/20.0	1 1	2-0-0 1.15 1.15	CSI TC BC	0.11 0.07	DEFL Vert(LL) Vert(CT)	in n/a n/a	(loc) -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
Snow (Pf/Pg) TCDL	13.9/20.0		YES	WB	0.07	Horz(CT)	0.00	- 8	n/a n/a	999 n/a		
BCLL	0.0*		IRC2015/TPI2014	Matrix-MR	0.10	11012(01)	0.00	0	n/a	n/a	1	
BCDL	10.0										Weight: 55 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 8=8-7-8, 9 11=8-7-8, Max Horiz 12=-135 (LC 11=-84 (LC Max Grav 8=164 (LC	applied or 6-0-0 oc 9=8-7-8, 10=8-7-8, 12=8-7-8 LC 11) > 10), 9=-84 (LC 14), C 13), 12=-58 (LC 9) C 25), 9=227 (LC 26), LC 28), 11=230 (LC 25	only. For sti see Standar or consult qu 4) TCLL: ASCE DOL=1.15 P or Plate DOL=' Ct=1.10 5) This truss ha load of 12.0 overhangs n 6) All plates ard 7) Gable requir 8) Truss to be 1 braced again 9) Gable studs 10) * This truss l	ned for wind loads uds exposed to wind d Industry Gable E ualified building des 7-10; Pr=20.0 psf late DOL=1.15); P 3.9 psf (flat roof sn 1.15); Category II; I as been designed f psf or 2.00 times fl on-concurrent with e 2x4 MT20 unless es continuous bott fully sheathed from 1st lateral moveme spaced at 2-0-0 oc nas been designed n chord in all areas	Ind (norm ind Deta signer as f (roof liv g=20.0 g ow: Lum Exp B; F for greate at roof lo other liv other liv	al to the face ils as applica is per ANS/IT re load: Lumb sof (ground her DOL=1.1 fully Exp.; er of min roof bad of 13.9 p ve loads. se indicated. d bearing. ee or securely liagonal web) re load of 20.1	e), ble, Pl 1. Ser 15 f live sf on /					
FORCES	(lb) - Maximum Corr Tension	pression/Maximum		by 2-00-00 wide winy other members.		veen the bott	om					
TOP CHORD	2-12=-135/154, 1-2= 3-4=-175/224, 4-5=- 6-7=0/54, 6-8=-138/	175/225, 5-6=-88/108, 153	11) _{N/A}	iy other members.								ND Y
BOT CHORD	11-12=-67/67, 10-11 8-9=-67/67	=-67/67, 9-10=-67/67,								2	J'aTH UF	10/11
WEBS NOTES		=-194/152, 5-9=-192/	152 International	designed in accord Residential Code nd referenced stan	sections	s R502.11.1 a	and			Ø	O LESS	NA TONT
	ed roof live loads have n.	been considered for	LOAD CASE(S)	Standard						U	SEA	
Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & N	CE 7-10; Vult=130mph Bmph; TCDL=6.0psf; B p B; Enclosed; MWFR 2) zone; cantilever left ft and right exposed;C- MWFRS for reactions s 0 plate grip DOL=1.33	CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed ; en C for members and	d						11100		0449	EER HALL

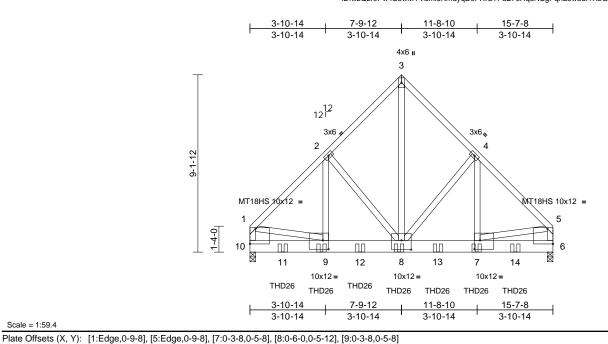
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Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T3GR	Common Girder	1	2	Job Reference (optional)	145805703

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Scale = 1:59.4

			,	.j, [eie e e,e e		-1							
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.37	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15		BC	0.24	Vert(CT)	-0.10	7-8	>999	180	MT18HS	244/190
TCDL	10.0	Rep Stress Incr	NO		WB	0.74	Horz(CT)	0.01	6	n/a	n/a		
BCLL	0.0*	Code	IRC20	15/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 272 lb	FT = 20%
LUMBER			3) Unbalanced	roof live loads ha	ave been	considered fo	or					
TOP CHORD	2x4 SP No.2			this design.									
BOT CHORD	2x8 SP 2400F 2.0E		4	,	7-10; Vult=130m								
WEBS	2x4 SP No.3 *Excep		No.1,		ph; TCDL=6.0psf								
	8-3,2-8,4-8:2x4 SP I	No.2		· ·	B; Enclosed; MW	· ·		ever					
BRACING					t exposed ; end v								
TOP CHORD	Structural wood she		ed or		Imber DOL=1.60 E 7-10; Pr=20.0 p			or					
	5-2-11 oc purlins, e		-		= 7-10; P1=20.0 p Plate DOL=1.15);								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	0		3.9 psf (flat roof s			15					
	bracing.				1.15); Category II								
REACTIONS	()			Ct=1.10	-,,	, I ,	., .,						
	Max Horiz 10=180 (I		6) All plates ar	e MT20 plates un	less othe	rwise indicate	ed.					
	Max Grav 6=5968 (I		^{;21)} 7) * This truss	has been designe	ed for a liv	e load of 20.	0psf					
FORCES	(lb) - Maximum Com	pression/Maximum			m chord in all are								
	Tension				by 2-00-00 wide \		ween the bott	om					
TOP CHORD	1-2=-5743/0, 2-3=-4				ny other member								
	4-5=-5749/0, 1-10=- 10-11=-45/578, 9-11				designed in acco								
BOT CHORD	8-12=0/4086, 8-13=	,	,		I Residential Cod and referenced sta			and					
	7-14=0/443, 6-14=0	,	<u>,</u>		THD26 (With 18-1								
WEBS	3-8=0/5844, 1-9=0/3		8		1/2 nails into Trus			te b					
WEB0	2-8=-1560/0, 4-8=-1				x. starting at 1-8-			uai				1111 CA	En la
	5-7=0/3698				nnect truss(es) to						1.	TH UP	ROIL
NOTES				chord.							1	A	in Inde
	to be connected toge	ther with 10d	1	0) Fill all nail h	oles where hange	er is in co	ntact with lum	ber.			-14	OFLOO	N. S.
	') nails as follows:		L	OAD CASE(S)	Standard						<u> </u>	ofter a	Somen
Top chord	s connected as follows	s: 2x4 - 1 row at 0-9-	0 1) Dead + Sn	ow (balanced): Lu	umber Inc	rease=1.15,	Plate					
oc.				Increase=1	.15						:	SEA	L :
Bottom ch	ords connected as foll	ows: 2x8 - 2 rows		Uniform Lo	ads (lb/ft)							0449	25
	at 0-6-0 oc.			Vert: 1-3	8=-48, 3-5=-48, 6-	-10=-20				-	i i	0449	20
	ected as follows: 2x4 -				ted Loads (lb)							.	
	re considered equally				-1293 (B), 9=-129							·	ain:
	oted as front (F) or ba		DAD		3 (B), 12=-1293 ((B), 13=-1	293 (B), 14≕	-1293			- 0	GIN	EFICES
CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B),				(B)							11	10	EVIN
	erwise indicated.	noted as (F) of (D),									.0	11. M.	54.11
011033 001												in min	
												Apri	1 22 2024

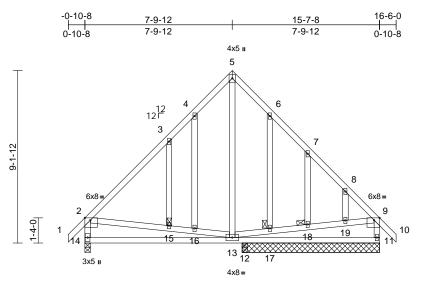
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Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T3SE	Common Structural Gable	1	1	Job Reference (optional)	145805704

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:56 ID:krGpYFG0g3jUXsAScrclqJyqD0T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



7-9-12	8-5-12	15-7-8	
7-9-12	0-8-0	7-1-12	1

Scale = 1:61.1

Plate Offsets (.	X, Y): [2:0-3-8,Edge],	[9:0-3-8,Edge]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MSH	0.79 0.35 0.47	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.11 0.01	(loc) 13-14 13-14 11	l/defl >999 >881 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 131 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS	Max Horiz 14=204 (I Max Uplift 12=-9 (LC Max Grav 11=549 (I 14=569 (I (Ib) - Maximum Com Tension 1-2=0/54, 2-3=-420/ 4-5=-281/140, 5-6=- 7-8=-329/17, 8-9=-4 2-14=-488/153, 9-11 13-14=-229/404, 12- 11-12=-146/314 5-13=-19/110, 2-15= 15-16=-272/309, 13- 13-17=-256/312, 17- 18-19=-233/293, 9-1 3-15=-144/109, 4-16 7-18=-151/114, 8-19 ed roof live loads have	t* 16-4,17-6:2x4 SP athing directly applie cept end verticals. applied or 10-0-0 or 12=0-3-8, 14=0-3-8 .C 12) : 13) .C 2), 12=232 (LC 2 .C 2) pression/Maximum 41, 3-4=-318/130, 281/142, 6-7=-315/1 35/36, 9-10=0/54, =-493/155 .13=-146/314, :18=-276/314, .18=-249/305, 9=-239/297, =-26/48, 6-17=-29/3 =-48/64	No.2 d or 3) , 5) , 5) 15, 8) 9) 10 8, 11	Vasd=103mp Cat. II; Exp E Exterior (2) E vertical (2) z vertical (2) a forces & MW DOL=1.60 pl Truss design only. For stu see Standard or consult qu TCLL: ASCE DOL=1.15 Pl snow); Pf=13 Plate DOL=1 Ct=1.10 This truss ha load of 12.0 overhangs ni All plates are Truss to be f braced again Gable studs * This truss f on the bottor 3-06-00 tall b chord and ar U) N/A	7-10; Vult=130mp bh; TCDL=6.0psf; I 3; Enclosed; MWFI one; cantilever left nd right exposed; C FRS for reactions ate grip DOL=1.33 and for wind loads ds exposed to wind d Industry Gable E ialified building des 7-10; Pr=20.0 psf late DOL=1.15); P4 3.9 psf (flat roof sni .15); Category II; I as been designed fip for -concurrent with a 2x4 MT20 unless ully sheathed from the tateral moveme spaced at 2-0-0 of as been designed n chord in all areas y 2-00-00 wide wil by other members.	BCDL=6 RS (env t and rig C-C for n shown; in the p id (norm nd Deta signer as (roof liv g=20.0 p or great at roof liv g=20.0 p or great at roof liv other li other li other vi other li for a liv s where Il fit betv	.0psf; h=25ft; elope) and C- ht exposed ; i, nembers and Lumber lane of the tru, al to the face ils as applical s per ANSI/TF e load: Lumb osf (ground bosf (grou	-C end uss), ble, PI 1. er 5 live sf on				Min M.	· · · · · ·
													-,



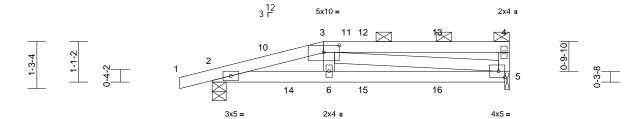
Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T4GR	Half Hip Girder	1	1	Job Reference (optional)	145805705

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:57 ID:WnVGkccXLnD6rhETZUCTj7yqD6U-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Special Special





Scale = 1:31

Plate Offsets (X, Y): [3:0-5-0,0-2-4]

	,, ,, ,, [0.0 0 0,0 2 1]						-					•	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.68 0.45 0.45	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.07 0.01	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 33 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.3 Structural wood she 5-9-14 oc purlins, e 2-0-0 oc purlins: 3-4 Rigid ceiling directly bracing.	xcept end verticals, a applied or 10-0-0 oc 5=0-1-8 10) : 7), 5=-6 (LC 7)	5 d or 6 ind 7	 design. This truss ha load of 12.0 overhangs n Provide aded * This truss has not bettor 3-06-00 tall has the bettor 3-06-00 tall has the bettor and ar and ar and ar and bearing at jou using ANSI/ designer shore 	snow loads have b so been designed for psf or 2.00 times fit on-concurrent with quate drainage to p as been designed n chord in all areas by 2-00-00 wide will by other members. int(s) 5 considers p IPI 1 angle to grain uld verify capacity hanical connection a at ionit(c) 5	or great at roof I other li orevent for a liv s where Il fit betw parallel of formul of bear	er of min roo bad of 13.9 p ve loads. water pondin re load of 20. a rectangle veen the bott to grain value a. Building ing surface.	f live osf on g. Opsf com	Co	oncentra	3=-48, ated Lo 2=-12 (1	3-4=-58, 5-7=-20 ads (lb)	0 4=-86 (F), 15=-20 (F
FORCES	(lb) - Maximum Com Tension 1-2=0/16, 2-10=-982 3-11=-9/7, 11-12=-9, 4-5=-185/35	2/0, 3-10=-974/0,	- 9/7,	0) One RT7A M truss to bear This connect lateral forces	liTek connectors re ing walls due to UF ion is for uplift only s.	PLIFT a	t jt(s) 2 and 5 bes not consi	j.					
BOT CHORD WEBS NOTES	2-14=-5/945, 6-14=0 15-16=0/975, 5-16=0 3-6=0/177, 3-5=-988	0/975		 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. 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or 								Route	
 Unbalance this design Wind: ASC Vasd=103 Cat. II; Ex left and rig exposed; I TCLL: ASC DOL=1.15 snow); Pf= 	CE 7-10; Vult=130mph imph; TCDL=6.0psf; Bi p B; Enclosed; MWFR: ht exposed ; end vertii Lumber DOL=1.60 plat CE 7-10; Pr=20.0 psf (Plate DOL=1.15); Pg= =18.9 psf (flat roof snov .=1.15); Category II; Ex	(3-second gust) CDL=6.0psf; h=25ft; S (envelope); cantilev cal left and right te grip DOL=1.33 roof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.15	ver r 1.	bottom chord 3) Hanger(s) or provided suf down and 9 at 6-0-12 or 2-0-12, and 2 6-0-12 on bc connection c 4) In the LOAD of the truss a OAD CASE(S)	d. other connection of ficient to support or b up at 4-0-12, an top chord, and 86 20 lb down at 4-0- ttom chord. The d levice(s) is the resp CASE(S) section, are noted as front (i Standard ow (balanced): Lun	device(s oncentra d 41 lb lb down 12, and esign/s ponsibili loads a F) or ba	s) shall be ated load(s) 4 down and 9 n and 13 lb u 20 lb down a election of su ty of others. pplied to the ck (B).	lb up p at at ich face				Million MI.	EER RAIL



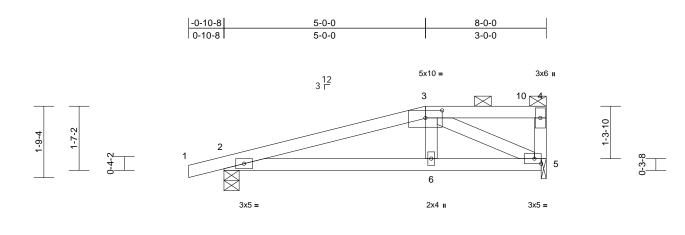
April 23,2021

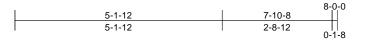
Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	Т5	Half Hip	1	1	Job Reference (optional)	145805706

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:59 ID:5lt_FC_z2I7j3S6QtVFkTfyqD6?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





Scale = 1:28.6

Plate Offsets (X, Y): [3:0-5-0,0-2-4]

vertical left and right exposed;C-C for members and

TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber

DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.;

forces & MWFRS for reactions shown; Lumber

DOL=1.60 plate grip DOL=1.33

Ct=1.10, Lu=50-0-0

3)

	x, i): [0:0 0 0,0 2 i]											-	
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.38	Vert(LL)	-0.04	6-9	>999	240	MT20	244/190
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15		BC	0.46	Vert(CT)	-0.07	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.13	Horz(CT)	0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC20	15/TPI2014	Matrix-MP								
BCDL	10.0	-										Weight: 32 lb	FT = 20%
LUMBER			4) Unbalanced	snow loads have l	been cor	nsidered for t	this					
TOP CHORD	2x4 SP No.2			, design.									
BOT CHORD	2x4 SP No.2		!	This truss has a second se	as been designed f	or great	er of min roo	f live					
WEBS	2x4 SP No.3				psf or 2.00 times f			osf on					
BRACING				0	on-concurrent with								
TOP CHORD	Structural wood she	athing directly appli	thing directly applied or 6) Provide adequate drainage to prevent water ponding.										
	6-0-0 oc purlins, ex	cept end verticals, a	and		has been designed			.0psf					
	2-0-0 oc purlins: 3-4	.	on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	C				veen the bott	tom					
	bracing.		chord and any other members. 8) Bearing at joint(s) 5 considers parallel to grain value										
REACTIONS	(size) 2=0-4-8, \$	5=0-1-8	(TPI 1 angle to grain			e					
	Max Horiz 2=43 (LC	14)			ould verify capacity								
	Max Uplift 2=-36 (LC			•	chanical connection		•	to					
	Max Grav 2=412 (L0	C 35), 5=311 (LC 2)			e at joint(s) 5.		013/01/1033	10					
FORCES	(lb) - Maximum Corr	pression/Maximum			hanical connection	n (by oth	ers) of truss	to					
	Tension			,	e capable of withst		,						
TOP CHORD	1-2=0/16, 2-3=-510/			5.		5							
	4-10=-23/25, 4-5=-1			1) One RT7A M	/liTek connectors r	ecomme	nded to con	nect					
BOT CHORD	2-6=-195/473, 5-6=-			truss to bear	ring walls due to U	PLIFT at	jt(s) 2. This						
WEBS	3-6=0/148, 3-5=-536	6/195		connection is	s for uplift only and	does n	ot consider la	ateral					
NOTES				forces.								WITH CA	110m
1) Unbalance	ed roof live loads have	been considered fo	or .		designed in accord							WAH CA	Rolly
this design	۱.				Residential Code			and			15	R	
	CE 7-10; Vult=130mph			nd referenced star					(0	U' FESS	10: V .	
	mph; TCDL=6.0psf; B	,		Irlin representation			size		-	$\Delta \pi$	AND .	Leiner	
Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end					ation of the purlin a	along the	e top and/or					.2	
Exterior (2	zone; cantilever left	and right exposed ;	end	bottom chore	d.							054	i 1 € €

LOAD CASE(S) Standard



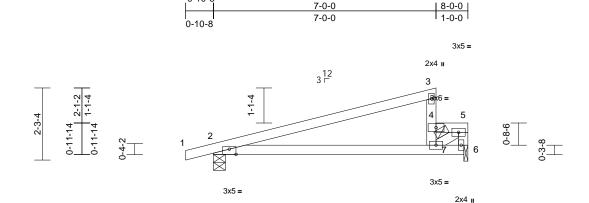
Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	Т6	Half Hip	2	1	Job Reference (optional)	145805707

-0-10-8

Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:59 ID:Ebo1pjARzPTppWbFd40jSKyqD4T-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:36.2

Plate Offsets (X, Y): [2:0-2-8,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	5/TPI2014	CSI TC BC WB Matrix-MP	0.80 0.79 0.34	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.21 0.01	(loc) 7-10 7-10 2	l/defl >838 >457 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 29 lb	GRIP 244/190 FT = 20%
this design 2) Wind: ASC Vasd=103 Cat. II; Ext Exterior (2 right expo- for membe Lumber D 3) TCLL: ASC DOL=1.15 snow); Pf=	2x4 SP No.3 *Excep Structural wood she 5-1-1 oc purlins, ex 2-0-0 oc purlins, (6-0) Rigid ceiling directly bracing. (size) 2=0-4-8, (6) Max Horiz 2=69 (LC Max Uplift 2=-34 (LC Max Uplift 2=-34 (LC Max Grav 2=433 (LC (lb) - Maximum Com Tension 1-2=0/16, 2-3=-315/ 3-4=-142/103, 4-5=- 2-7=-109/263, 6-7=- 5-7=-248/810 ed roof live loads have brack the set of	athing directly applied cept end verticals, ar 0-0 max.): 4-7, 4-5. • applied or 10-0-0 oc 6=0-1-8 15) 2 11), 6=-11 (LC 15) 2 35), 6=322 (LC 35) pression/Maximum 66, 4-7=-156/124, 664/195, 5-6=-478/10 12/13 been considered for • (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C ne; cantilever left and and right exposed;C-C RS for reactions show 0L=1.33 iroof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.15	nd 7) 8) 9) 10 63 11 12 C C C C C C C C C C C C C C C C C	design. This truss ha load of 12.0 overhangs n Provide ade * This truss l on the botton 3-06-00 tall 1 chord and al Bearing at jo using ANSI/ designer sho Provide mec bearing plate 0) One RT7A M truss to bear This connec lateral forces) This truss is International R802.10.2 a	designed in accor Residential Code nd referenced star urlin representation ation of the purlin a d.	for great lat roof I o other li prevent d for a liv s where ill fit betv parallel n formul o of bear n (by oth ecomme PLIFT a y and do dance w sections ndard Al	er of min roo bad of 13.9 p ve loads. water pondin re load of 20. a rectangle veen the bott to grain value a. Building ing surface. ers) of truss ended to comi t jt(s) 2 and 6 bes not consi ith the 2015 5 R502.11.1 a SI/TPI 1. bt depict the	f live ssf on g. Opsf com e to nect c. der and				SEA 0449	• -

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

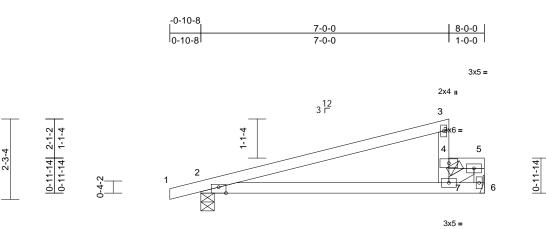


S mm April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T6A	Half Hip	2	1	Job Reference (optional)	145805708

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:23:59 ID:TKqRioH5rAbXPun_eTgqJDyqD4K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



3x5 =





Scale = 1:32.5

Plate Offsets (X, Y): [2:0-2-8,Edge]

	(, 1): [2:0 2 0,20g0]												
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.80 0.79 0.34	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.21 0.01	(loc) 7-10 7-10 2	l/defl >838 >457 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) Wind: ASC Vasd=1037 Cat. II; Exp Exterior (2) right expos for membe Lumber DC 3) TCLL: ASC DOL=1.15 snow); Pf=	Max Horiz 2=69 (LC Max Uplift 2=-34 (LC Max Grav 2=433 (LC (Ib) - Maximum Com Tension 1-2=0/16, 2-3=-315// 3-4=-142/103, 4-5=- 2-7=-109/263, 6-7=- 5-7=-248/810 droof live loads have be r-10; Vult=130mph mph; TCDL=6.0psf; Bd be B; Enclosed; MWFR b) -0-10-8 to 7-10-4 zor sed ; end vertical left a brs and forces & MWFR DL=1.60 plate grip DO DC 7-10; Pr=20.0 psf (Plate DOL=1.15); Pg 18.9 psf (flat roof snos =1.15); Category II; Eb	athing directly applie cept end verticals, ar -0 max.): 4-7, 4-5. applied or 10-0-0 or 3= Mechanical 15) : 11), 6=-11 (LC 15) C 35), 6=322 (LC 35) pression/Maximum 66, 4-7=-156/124, 664/195, 5-6=-478/1 12/13 been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- ne; cantilever left and re; cantilever left and right exposed;C- RS for reactions sho L=1.33 roof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.13	nd 7) 5 8) 9) 10 63 11 63 11 12 L(C 1 C wn; er	 design. This truss ha load of 12.0 overhangs n Provide aded * This truss ha on the bottor 3-06-00 tall h chord and ar Refer to gird Provide mec bearing plate 6. On one RT7A M truss to bear connection is forces. This truss is International R802.10.2 a Graphical put 		for great flat roof I h other li prevent d for a liv as where iill fit betv russ conn n (by oth tanding ' recomme IPLIFT a d does n rdance w a sections ndard Ah n does n	er of min roo pad of 13.9 p ve loads. water pondin e load of 20. a rectangle veen the bott nections. ers) of truss 1 lb uplift at the consider la ith the 2015 5 R502.11.1 a NS/TPI 1. bt depict the	f live sf on g. Opsf om to joint nect nect				SEA 0449	• -

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

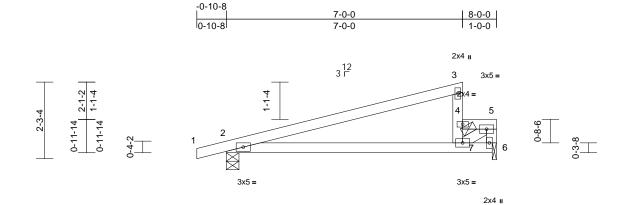


S mm April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T6GR	Half Hip Girder	1	2	Job Reference (optional)	145805709

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Page: 1





Scale = 1:34.1

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	5/TPI2014	CSI TC BC WB Matrix-MP	0.56 0.43 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.10 0.00	(loc) 7-10 7-10 2	l/defl >999 >909 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 59 lb	GRIP 244/190 FT = 20%
BOT CHORD 2 WEBS 2 BRACING TOP CHORD 2 BOT CHORD 2 REACTIONS (S M FORCES 2 TOP CHORD 2 BOT CHORD 2 WEBS 2 NOTES 1 1 2-ply truss to (0.131"x3") r Top chords 2 oc. Bottom chord 0-9-0 oc. Web connec 2) All loads are except if not CASE(S) set provided to c unless other	6-0-0 oc purlins, exi 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. ize) 2=0-4-8, 6 lax Horiz 2=69 (LC lax Uplift 2=-34 (LC lax Grav 2=433 (LC (lb) - Maximum Com Tension 1-2e0/16, 2-3=-317// 3-4=-143/45, 4-5=-6 2-7=-21/304, 6-7=-8, 5-7=-2/802 b be connected toget nails as follows: connected as follows: ds connected as follows: ds connected as follows: considered equally ed as front (F) or baction. Ply to ply conr fistribute only loads wise indicated.	applied or 10-0-0 oc 5=0-1-8 11) 2 31), 6=-11 (LC 11) 2 31), 6=322 (LC 31) pression/Maximum 0, 4-7=-157/47, 58/7, 5-6=-473/4 /6 ther with 10d s: 2x4 - 1 row at 0-9-0 cows: 2x4 - 1 row at 1 row at 0-9-0 oc. applied to all plies, ck (B) face in the LO/ lections have been	Hor 5) d 6) 7) 8) 9) 10 11 12 13 AD 14	Vasd=103mp Cat. II; Exp E left and right exposed; Lur TCLL: ASCE DOL=1.15 Pl snow); Pf=18 Plate DOL=1 Ct=1.10, Lu= Unbalanced design. This truss ha load of 12.0 p overhangs no Provide adec * This truss ha on the bottom 3-06-00 tall b chord and ar b) Bearing at jo using ANSI/T designer sho) Provide mect bearing plate 2) One RT7A M truss to beari This connect lateral forces 8) This truss is International R802.10.2 ar	snow loads have b s been designed f por-concurrent with quate drainage to p las been designed n chord in all area by 2-00-00 wide wity y other members. int(s) 6 considers 'PI 1 angle to grai uld verify capacity hanical connectors r ing walls due to U ion is for uplift only designed in accorr Residential Code star rlin representation tion of the purlin a l.	BCDL=6 RS (envirtical left late grip (food filv) g=20.0 p ow: Lum Exp B; F peen cor or greate a toof lo o ther liv prevent v I for a liv rorevent v I for a liv o fbearin o fbea	:0psf; h=25ft elope); cantil and right DOL=1.33 e load: Lumt bsf (ground iber DOL=1.' iully Exp.; asidered for t er of min roof bad of 13.9 p ve loads. water pondin e load of 20.1 a rectangle veen the bott to grain value a. Building ng surface. ers) of truss : inded to conrr jt(s) 2 and 6 es not consid ith the 2015 is R502.11.1 a ISI/TP11.	ever ber 15 his f live sf on g. Opsf om to to to to to to and				OTT M.	25 SEVIEN



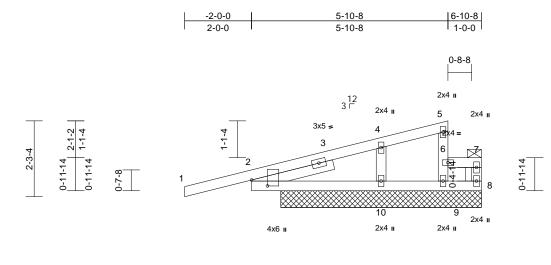
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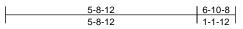
Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T6SE	Half Hip	1	1	Job Reference (optional)	145805710

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:02 ID:EtJSNXN6yecOM7OX68pievyqD4C-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1





Scale = 1:34.5

Plate Offsets (X, Y): [2:0-2-2,0-5-11]

	,, , , , [2:0 2 2,0 0 11	1			1								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC BC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg) TCDL	18.9/20.0 10.0	Lumber DOL Rep Stress Incr	1.15 YES		WB	0.06 0.04	Vert(CT) Horz(CT)	n/a 0.00	2	n/a n/a	999 n/a		
BCLL	0.0*	Code		15/TPI2014	Matrix-MP	0.04	11012(C1)	0.00	2	11/a	n/a		
BCDL	10.0	Code	11(020	13/11/2014	Width X-IVII							Weight: 32 lb	FT = 20%
LUMBER		•	2) Wind: ASCE	7-10; Vult=130m	nph (3-sec	ond qust)		LOAD	CASE(S) Sta	ndard	
TOP CHORD	2x4 SP No.2				ph; TCDL=6.0psf;					•			
BOT CHORD	2x4 SP No.2				B; Enclosed; MWI								
WEBS	2x4 SP No.3			()	0-10-8 to 7-10-4	,							
OTHERS	2x4 SP No.3				d ; end vertical let and forces & MV								
SLIDER	Left 2x4 SP No.3 2	2-6-0			_=1.60 plate grip I			wri,					
BRACING	Otwart week was a dia his	- 4 - 1			ned for wind load			SS					
TOP CHORD	Structural wood she 6-0-0 oc purlins, exe				uds exposed to wi								
	2-0-0 oc purlins; ex		inu		d Industry Gable								
BOT CHORD	Rigid ceiling directly		с		ualified building de								
	bracing.		- 2		7-10; Pr=20.0 ps			er					
REACTIONS	(size) 2=6-0-0, 8	3=6-0-0, 9=6-0-0,			late DOL=1.15); I 8.9 psf (flat roof s			5					
	10=6-0-0,	11=6-0-0			1.15); Category II;			5					
	Max Horiz 2=68 (LC	15), 11=68 (LC 15)		Ct=1.10, Lu=		, באף ם, ו	ully Exp.,						
	Max Uplift 2=-70 (LC		5	,	snow loads have	been cor	sidered for th	is					
	(C 15), 11=-70 (LC 1	,	design.									
	Max Grav 2=345 (LC				as been designed								
	(LC 2), 10 (LC 35))=299 (LC 35), 11=3	640		psf or 2.00 times			of on					
FORCES	(Ib) - Maximum Com	proceion/Maximum	_	0	on-concurrent wit								
FORCES	Tension	pression/maximum	1		quate drainage to spaced at 2-0-0 o		water ponding						in the second se
TOP CHORD	1-2=0/37, 2-3=-131/	111, 3-4=-82/60.			has been designe		e load of 20 0	Insf			13	IN THUA	ROUL
	4-5=-44/34, 6-9=-59				m chord in all area			par			S	A	in Ante
	6-7=-12/13, 7-8=-37	/22			by 2-00-00 wide w			m			SO	OFEOU	ON
BOT CHORD	2-10=-29/29, 9-10=-	29/29, 8-9=-12/13			ny other members						LX.		MUNZ
WEBS	4-10=-221/139		1	0) _{N/A}						1	~		
NOTES										=	:	SEA	L : =
,	ed roof live loads have	been considered fo	r							=		0449	• • •
this design	1.		4	1) Non Standa	rd bearing condition	on Revie	w required					. 0745	
					designed in acco					-	-	N	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.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

818 Soundside Road Edenton, NC 27932

mm

April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	Т7	Monopitch	4	1	Job Reference (optional)	145805711

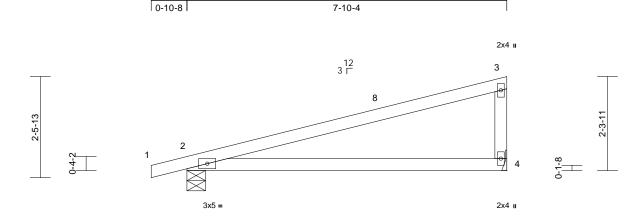
7-10-4

Carter Components (Sanford), Sanford, NC - 27332,

-0-10-8

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Page: 1



			-			7-10-4							
Scale = 1:28.3												•	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MP	0.94 0.75 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.16 -0.37 0.01	(loc) 4-7 4-7 2	l/defl >563 >250 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 28 lb	GRIP 244/190 FT = 20%
BOT CHORD 2x WEBS 2x BRACING TOP CHORD 5 BOT CHORD 8 R REACTIONS (siz Ma Ma Ma	-2-0 oc purlins, exi igid ceiling directly racing. ze) 2=0-5-8, 4 x Horiz 2=63 (LC x Uplift 2=-34 (LC x Grav 2=364 (LC	applied or 10-0-0 oc = Mechanical 14) : 11), 4=-14 (LC 15)		on the botto 3-06-00 tall chord and a Refer to gim Provide me bearing plat 4. One RT7A truss to bea connection forces. This truss is International	has been designed or chord in all are by 2-00-00 wide any other member der(s) for truss to chanical connecti te capable of with MiTek connectors ring walls due to is for uplift only an s designed in accc al Residential Cod and referenced st	eas where will fit betw 's. truss conr on (by oth standing 1 s recomme UPLIFT at nd does no ordance w le sections	a rectangle veen the bott nections. ers) of truss 4 lb uplift at nded to com jt(s) 2. This of consider la th the 2015 R502.11.1 a	om to joint nect ateral					
TOP CHORD 1-	ension -2=0/16, 2-8=-205/- -4=-203/140	44, 3-8=-65/58,	LO	AD CASE(S) Standard								
	-4=-101/194												
NOTES													
 Cat. II; Exp B; Exterior (2) zo vertical left an forces & MWF DOL=1.60 pla TCLL: ASCE 7 DOL=1.15 Pla snow); Pf=13. Plate DOL=1.1 Ct=1.10 Unbalanced si design. This truss has load of 12.0 ps 	h; TCDL=6.0psf; Bd Enclosed; MWFR: one; cantilever left a d right exposed;C- TRS for reactions si te grip DOL=1.33 7-10; Pr=20.0 psf (ate DOL=1.15); Pg= 9 psf (flat roof snoo 15); Category II; Es now loads have be been designed for	CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed ; ei C for members and hown; Lumber roof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.15 cp B; Fully Exp.; een considered for this greater of min roof lit roof load of 13.9 psf	nd er 5 is ive							S Yamuta		SEA 0449	

- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

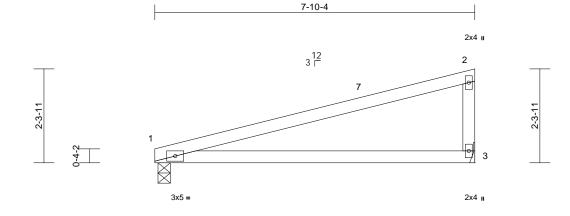
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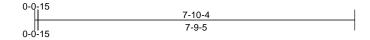
mm April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T7A	Monopitch	1	1	Job Reference (optional)	145805712

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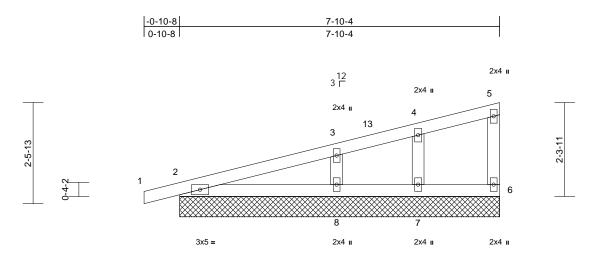
TCLL (roon) 200 Place Gip DOL 1.15 TC 0.05 Vert(LT) -0.36 >544 240 Matrix 10.00 Experiments Experiments Experiments Vert(LT) -0.08 Vert(LT) -0.08 Sec 24.73 Vert(LT) -0.08 Sec 24.73 Vert(LT) -0.08 Sec 24.73 Vert(LT) -0.08 Nort Vert(LT) -0.08 Vert(LT) -0.08 Vert(LT) -0.08 Vert(LT) -0.08 Nort Nort<	Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
 Snow (PPip) 13.3/20.0 Lumber DOL. 10.0 Lumber DOL. 10.0 Lumber Col. 10.0 Provide mechanical connection (by others) of truss to bearing plate capable of vibitanding 14 lb uplif at joint 3. 3. TOP CHORD Studtural wood sheating directly applied or 10-0-0c braining. BOT CHORD Rigid celling directly applied or 10-0-0c braining. BOT CHORD Rigid celling directly applied or 10-0-0c braining. REACING Maximum Compression/Maximum Toreets. Process. TOP CHORD 17-2:3370, 27-84/58, 2-3-204/141 BOT CHORD 17-2:302, particular display toposed end with the 2015 Standard Standard 10 Stan	•					0.95			. ,				
BCLL 0.0° Code IRC2015/TPI2014 Matrix-MP Weight: 26 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 10-00 or bracing. 6 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 built al platinit. 3 7 One RT7A MTek connectors recommended to connect truss to bearing plate capable of withstanding 14 built al platinit. 3 7 One RT7A MTek connectors recommended to connect truss to bearing wills due to UPLIFT at [[6] 1. This connector in [5 or uplit only and does not consider tateral trons. 6 This truss to bearing segment accomection is for uplit only and does not consider tateral trons. 7 One RT7A MTek connectors recommended to connect truss to bearing segment in according to the 2015 trons. 7 One RT7A MTek connectors recommended to connect truss to bearing segment in according the 2015 trons. 7 This truss to bearing segment in according to the 2015 trons. 7 One RT7A MTek connectors recommended to connect truss to bearing segment in according to the 2015 trons. 7 This truss to bearing segment in according to the 2015 trons. 7 This truss to bearing segment in according to the 2015 trons. 7 December 102 trons. 7 <	. ,												
 BCDL 10.0 BCDL 10.0 Weight: 26 lb FT = 20% Weight: 26 lb FT = 20% Weight: 26 lb FT = 20% FT = 20%	TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
 LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 THE ST 2x4 SP No.3 CHORD Structural wood sheathing diredly applied or 10-0-0 or bracing. REACINON (size) 1=0-3-11.3 mechanical Max Ibrit 1=-60 (LC 14) REACTIONS (size) 1=0-3-11.3 second gust) Vase1-130mph; TCDL=6.0psf (BCDL=6.0ps h=-25t; Cat.10 Nortes NOTES TOCL: ASCE 7-10; Pr=200 pef (cord live load: Lumber DOL=1.450 plate grip DOL=1.33 TOCL: ASCE 7-10; Pr=200 pef (cord live load: Lumber DOL=1.15); Category II; Exp B; Fully Exp;; Cit.10 TDEL: ASCE 7-10; Pr=200 pef (cord live load: Lumber DOL=1.15); Category II; Exp B; Fully Exp;; Cit.10 This truss has been designed for a live load of 20.0psf on the bottom chord mal areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and wy other members. Refer to girder(5) for truss to truss connections. 			Code	IRC2015/TPI2014	Matrix-MP								
 TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.3 TOP CHORD Structural wood sheathing directly applied or 10-0-0 cc bracing. BOT CHORD Rigid calling directly applied or 10-0-0 cc bracing. ReACTIONS (size) 1-0-3-11, 3= Mechanical Max Horiz 1=60 (LC 14) Max Horiz 1=60 (LC 13) = 144 (LC 15) Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (b) Maximum Compression/Nakamum Tension TOP CHORD 1-7-23970, 2-7=64/58, 2-3=-204/141 BOT CHORD 1-7=-23970, 2-7=64/58, 2	BCDL	10.0										Weight: 26 lb	FT = 20%
 BOT CHORD 2x4 SP No.2 3. One RTA MTek connectors recommended to connect trues to bearing walls due to UPLIFT at (15) 1. This connection is for uplit only and dees not consider lateral forces. 7. One RTA MTek connectors recommended to connect trues to bearing walls due to UPLIFT at (15) 1. This connection is for uplit only and dees not consider lateral forces. 7. One RTA MTek connectors recommended to connect trues to bearing walls due to UPLIFT at (15) 1. This connection is for uplit only and dees not consider lateral forces. 7. One RTA MTek connectors recommended to connect trues to bearing walls due to UPLIFT at (15) 1. This connection is for uplit only and dees not consider lateral forces. 7. FORCES (II): A Maximum Compression/Maximum ToP CHORD 1.7=-23970, 2.7=-64/58, 2.3=-204/141 BOT CHORD 1.3=-120229 7. This trues is designed in appondent of the problem of													
 WEBS 224 SP No.3 2x4 SP No.4 2x4 SP No.4					late capable of withs	standing '	14 lb uplift at	joint					
 BRACING BRACING BRACING Structural wood sheathing directly applied or 1:-7-3 oc putlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=0-3:11, 3= Mechanical Max Horiz 1=00 (LC 14) Max Uplift 1=9 (LC 111), 3=-14 (LC 15) Max Grav 1=300 (LC 2), 3=-308 (LC 2) FORCES FORCES Notes Notes Notes Notes Notes Standard Notes Notes Toble 6.0pst; BCDL=6.0pst; BCDL=6.0p					A MiTek connectors	recomme	ended to conr	hect					
 TOP CHORD Structural wood sheathing directly applied or 11-78 oc putting, except net verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1-0-3-11, 3= Mechanical Max Horiz 1=60 (LC 14) Max Upiti 1=-9 (LC 11), 3=-14 (LC 15) Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (b) - Maximum Compression/Maximum Torension / Tension TOP CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vull=130mph (3-second gust) Vasd=103mph; TOL=6.0psf; BcDL=6.0psf; BcDL=6.15; Category II; Exp B; Frolosed; Criot from mebres and forces & MWFRS for reactions shown; Lumber DDL=1.15; Prae-D0.0 psf (flor of live load: Lumber DDL=1.15); Category II; Exp B; Frolosed for a live load of 20.0psf around snow); Dr=13 & psf (flat roof snow: Lumber DDL=1.15); Category II; Exp B; Frolosed for a live load of 20.0psf around snow); Dicating any other members. 3) Wholkanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf arother bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		224 01 100.0											
 1-7-8 oc putins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 8 Di This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R804.11.2 and referenced standard ANSI/TP1 1. 10 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R804.11.2 and referenced standard ANSI/TP1 1. 10 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R804.11.2 and referenced standard ANSI/TP1 1. 10 TOP CHORD 1-7=-23970, 2-7=-64/58, 2-3=-204/141 BOT CHORD 1-3=-266/229 10 Wind: ASCE 7-10; Vult=130mph (G-second gust) Vasd-1030mph; TODL=6, 0595; HOLDE-16, 0595; HOLDE-16, 0595; HOLDE-1.50; HOLDE DOID=-1.15; Holde 2DOID HOLDE-1.15; Ho		Structural wood she	athing directly applie		n is for uplift only ar	nd does n	ot consider la	iteral					
 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSUTP1 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSUTP1 1. IDAD CASE(S) Standard IDAD CASE(S) Standard<!--</td--><td></td><td>1-7-8 oc purlins, ex</td><td>cept end verticals.</td><td>forces.</td><td>to destance dia seco</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td>		1-7-8 oc purlins, ex	cept end verticals.	forces.	to destance dia seco								
 REACTIONS (size) 1=0-3-11, 3= Mechanical Max Horiz 1=60 (LC 14) Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (b)- Maximum Compression/Maximum Tension TOP CHORD 1-7=239/70, 27=64/58, 2-3=-204/141 BOT CHORD 1-3=-126/239 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=130mph; TCDI=6.0pst; BCDI=6.0pst; h=25t; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantifiver left and right exposed : end vertical left and right exposed : end vertical left and right exposed : end vertical left and right exposed : end workical left and right exposed i. Cho prist ground snow); Pf=13.9 pst (finat roof snow: Lumber DOL=1.15; Plate DOL=1.15; Pg=2:0.0 pst (ground snow); Pf=13.9 pst (finat roof snow: Lumber DOL=1.15; Plate DOL=1.15; Pg=2:0.0 pst (ground snow); DH=13.9 pst (finat roof snow: Lumber DOL=1.15; Category II; Exp B; Fully Exp; Ct=1.10 3) Urbalanced snow loads have been considered for this design. 4) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(5) for truss to truss connections. 	BOT CHORD		applied or 10-0-0 or					and					
 Max Horiz 1=60 (LC 14) LOAD CASE(S) Standard Max Upilit 1=9 (LC 11), 3=-14 (LC 15) Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-7=239/70, 2-7=-64/58, 2-3=-204/141 BOT CHORD 1-7=239/70, 2-7=-64/58, 2-3=-204/141 BOT CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vull=130mph (3-second gust) Vasd=103mph (3-second gust) Vasd=103mph; TCDL=6.0ps; h=25ft; Cat. II; 58); Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; -end vertical left and right exposed; end vertical left and right exposed; end vertical left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 Plate DOL=1.15); Pag=20.0 psf (ground snow); Pr=20.0 psf (ground snow); Pr=20.0 psf (ground snow); Pr=13.9 psf (Hart cof snow: Lumber DOL=1.15); Category II; Exp B; Fully Exp.; Cat. II; Sep B; Polly Exp.; Fully Exp.; Cat. II; Struss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 uide will fib between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		0											
 Initial Table (LC) 11, 3=-14 (LC 15) Max Upit 1=-9 (LC 11), 3=-14 (LC 15) Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-7=-2397/0, 2-7=64/58, 2-3=-204/141 BOT CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=-25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; cend vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.15 plate DDL=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (root live load: Lumber DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3:06-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		· /	,	LOAD CASE	(S) Standard								
 Max Grav 1=308 (LC 2), 3=308 (LC 2) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-7=-239/70, 2-7=-64/58, 2-3=-204/141 BOT CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1-16 0 plate grip DOL=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1-16 0 plate grip DOL=1.33 2) TCLL: ASCE 7-10; Fr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground sonw); P1=13.9 psf (lat roof snow: Lumber DOL=1.15) Plate DOL=1.15); Category II; Exp B; Fully Exp.; Cat. 11 3) Unbalanced snow loads have been considered for this design. 4) "This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		· ·	,		(-)								
 FORCES (b) - Maximum Compression/Maximum Tension Tension ToP CHORD 1.7-z39/70, 2-7=64/58, 2-3=-204/141 BOT CHORD 1.3=-126/229 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15) Pla20.0 psf (roor live load: Lumber DOL=1.15) Plate DOL=1.15; Pla20.0 psf (roor und snow; Lumber DOL=1.15) Plate DOL=1.15; Plate DOL=1.15) Plate DOL=1.15 3) Unbalanced snow loads have been considered for this design. 4) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 													
 TOP CHORD 1-7=-239/70, 2-7=-64/58, 2-3=-204/141 BOT CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (root live load: Lumber DOL=1.15 Plate DOL=1.15; Pig=20.0 psf (root live load: Lumber DOL=1.16); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 oulid by 2-00-00 wick will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		,											
 BOT CHORD 1-3=-126/229 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15); Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; CL=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wild will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 													
 NOTES 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 			64/58, 2-3=-204/141										
 Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; B2CBL=6.0psf; B2C		1-3=-126/229											
 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 			(2 accord suct)										
 Cat. II; Exp B; Enclosed; MWFRS (envelope) 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=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (root live load: Lumber DOL=1.15 Plate DOL=1.15; Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 													
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forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15; Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections.													1117.
 DOL=1.60 plate grip DOL=1.33 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 												White CA	Dalle
 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 			shown; Lumber								1	atri	10/11/
 DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 			(roof live load: Lumb	or								O HESS	IO
 snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 3) Unbalanced snow loads have been considered for this design. 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 5) Refer to girder(s) for truss to truss connections. 				ei								ر محمو	Jerlen
 chord and any other members. 5) Refer to girder(s) for truss to truss connections. 				5								<u>.</u> 2.	K 1 2
 chord and any other members. 5) Refer to girder(s) for truss to truss connections. 		=1.15); Category II; E	xp B; Fully Exp.;									SEA	1 : E
chord and any other members. 5) Refer to girder(s) for truss to truss connections.										=			• •
 chord and any other members. 5) Refer to girder(s) for truss to truss connections. 	,	d snow loads have be	een considered for th	NIS						-		0449	20 : 2
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 chord and any other members. 5) Refer to girder(s) for truss to truss connections. 	,	0		·P-0-							3.0	P. EN	- A: A S
5) Refer to girder(s) for truss to truss connections.	3-06-00 tal	ll by 2-00-00 wide will		om							11	GIN	E.F. KIN
Southannes.											1	ITT M	GEVIN
	5) Refer to gir	rder(s) for truss to tru	ss connections.									VI.	
April 23.2021													

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T7GE	Monopitch Supported Gable	1	1	Job Reference (optional)	145805713

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:04 ID:s40liuDWdrD22EshN?XpfTyqD0X-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



						7-1(0-4				_		
Scale = 1:28.3											1		
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL LUMBER	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code			BC WB Matrix-MP 7-10; Pr=20.0 psf (r		Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 31 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex. Rigid ceiling directly bracing. (size) 2=7-10-4, 8=7-10-4, Max Horiz 2=63 (LC Max Uplift 2=-26 (LC (LC 15), 9 Max Grav 2=187 (LC	applied or 10-0-0 oc 6=7-10-4, 7=7-10-4, 9=7-10-4	or 5 6 7 8 -17 18 9	snow); Pf=13 Plate DOL=1 Ct=1.10 Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable studs * This truss h on the bottor 3-06-00 tall b chord and ar	late DOL=1.15); Pg= 3.9 psf (flat roof snow .15); Category II; Ex snow loads have bee us been designed for psf or 2.00 times flat on-concurrent with of es continuous bottom spaced at 2-0-0 oc. has been designed for n chord in all areas w by 2-00-00 wide will fin by other members.	r: Lum p B; F en cor greate roof le ther liv n chor or a liv vhere	hber DOL=1.1 fully Exp.; asidered for the er of min roof bad of 13.9 pro- ve loads. d bearing. e load of 20.0 a rectangle	his Flive sf on Opsf					
BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=103r Cat. II; Exp Exterior (2) vertical left forces & M DOL=1.60 2) Truss desi only. For s see Standa) zone; cantilever left a and right exposed;C- WFRS for reactions s plate grip DOL=1.33 igned for wind loads in studs exposed to wind ard Industry Gable En	66, 3-13=-63/33, 8/34, 5-6=-49/41 /37, 6-7=-34/37 7/130 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed ; en C for members and hown; Lumber n the plane of the truss	L d	International	designed in accorda Residential Code se nd referenced standa Standard	ctions	s R502.11.1 a	Ind		annua		SEA 0449	25 SEVIEN

April 23,2021

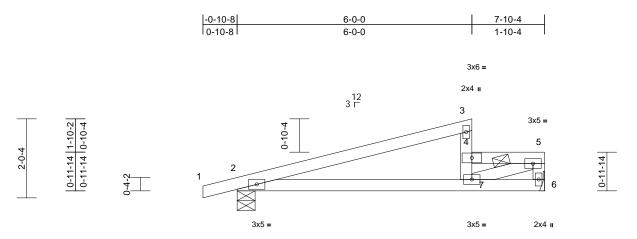


Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	Т8	Half Hip	5	1	Job Reference (optional)	145805714

Run: 8.5 E 0 Feb 23 2021 Print: 8.500 E Feb 23 2021 MiTek Industries, Inc. Fri Apr 23 15:37:43 ID:NuSwUYDusX5BR5HVqH0a7FyqD0Y-4z0SHVHYp?OaNq3ayr51DF3iF7fZ754bvOA?zTzNo3d



Page: 1



				 	<u>5-10-</u> 5-10-				7-10 2-0		-		
Scale = 1:29.5										-			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in -0.07	(loc)			PLATES	GRIP 244/190	

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.68	Vert(LL)	-0.07	7-10	>999	240	MT20	244/190
Snow (Pf/Pg)	18.9/20.0	Lumber DOL	1.15		BC	0.58	Vert(CT)	-0.13	7-10	>707	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.33	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC201	5/TPI2014	Matrix-MP								
BCDL	10.0											Weight: 30 lb	FT = 20%
LUMBER TOP CHORD	2x4 SP No.2		5)		as been designe psf or 2.00 time								
BOT CHORD	2x4 SP No.2				on-concurrent v								
WEBS	2x4 SP No.3 *Excep	t* 3-7:2x4 SP No.2	6)	Provide ade	quate drainage	to prevent v	water ponding	g.					
BRACING			7)		has been desig			0psf					
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0 Rigid ceiling directly	cept end verticals, a -0 max.): 4-7, 4-5.	nd	3-06-00 tall chord and a	m chord in all a by 2-00-00 wide ny other membe er(s) for truss to	e will fit betw ers.	veen the bott	om					
BOTCHORD	bracing.	applied of 10-0-0 of	9)		hanical connec		,						
REACTIONS	(lb/size) 2=307/0-5 Max Horiz 2=56 (LC	5-8, 6=275/ Mechani 15)		6.	e capable of wit	Ū							
	Max Uplift 2=-33 (LC Max Grav 2=419 (LC	<i>,,</i> , , ,		truss to bear	ing walls due to s for uplift only	DUPLIFT at	jt(s) 2. This						
FORCES	(lb) - Max. Comp./Max			forces.									
TOP CHORD BOT CHORD WEBS	(lb) or less except w 2-3=-395/110, 4-5=- 2-7=-146/349 5-7=-289/808		41					size					

NOTES

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) -0-10-8 to 7-8-8 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=1.33
- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=18.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10, Lu=50-0-0
- 4) Unbalanced snow loads have been considered for this design.

OAD CASE(S) Standard



mponent 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	T8GR	Half Hip Girder	2	2	Job Reference (optional)	145805715

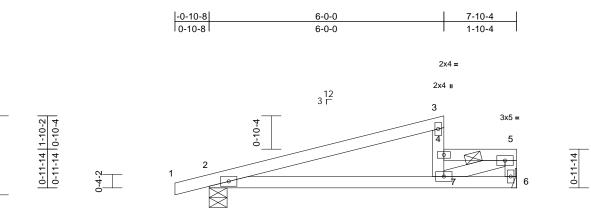
2-0-4

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:06 ID:NuSwUYDusX5BR5HVqH0a7FyqD0Y-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

3x5 =

2x4 II

Page: 1



3x5 =

Scale = 1:29.5						-		
			5-10-4		2-0-	0		
			5-10-4		7-10	-4		

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 18.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2015	/TPI2014	CSI TC BC WB Matrix-MP	0.57 0.31 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.07 0.00	(loc) 7-10 7-10 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 60 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins (6-0	athing directly applie cept end verticals, an -0 max.): 4-7, 4-5. applied or 10-0-0 oc	d or ⁵⁾	Vasd=103mp Cat. II; Exp E left and right exposed; Lur TCLL: ASCE DOL=1.15 Pl snow); Pf=18 Plate DOL=1	7-10; Vult=130m h; TCDL=6.0psf; B; Enclosed; MWF exposed; end ve mber DOL=1.60; F 7-10; Pr=20.0 ps ate DOL=1.15); F 8.9 psf (flat roof sr .15); Category II;	BCDL=6 FRS (env ertical left plate grip of (roof liv Pg=20.0 now: Lun	6.0psf; h=25ft elope); cantil and right DOL=1.33 re load: Lumb osf (ground aber DOL=1.7	ever ber					
REACTIONS	bracing.	5= Mechanical 11) 5 7), 6=-1 (LC 11)	6) 7)	design. This truss ha load of 12.0 j	50-0-0 snow loads have is been designed psf or 2.00 times on-concurrent wit	for great flat roof l	er of min root oad of 13.9 p	f live					
FORCES	(lb) - Maximum Com Tension		8) 9)	Provide adec	quate drainage to has been designe	prevent	water pondin						
TOP CHORD			9)	on the botton	n chord in all area y 2-00-00 wide w	as where	a rectangle	•					
BOT CHORD WEBS	,	,	10)	chord and an	by other members er(s) for truss to t	s.		om					
	5-7=-0/003				hanical connectio			to					
	s to be connected toge	ther with 10d	,	bearing plate	capable of withs							mm	un.
Top chore oc. Bottom cł 0-9-0 oc.	") nails as follows: ds connected as follows hords connected as foll- nected as follows: 2x4 -	ows: 2x4 - 1 row at	, ,	truss to bear connection is forces.	liTek connectors ing walls due to L s for uplift only an designed in acco	JPLIFT a d does n	t jt(s) 2. This ot consider la				sà	ORTH CA	ROLIN
2) All loads except if CASE(S) provided unless otl	are considered equally noted as front (F) or ba section. Ply to ply conr to distribute only loads herwise indicated. red roof live loads have	applied to all plies, ck (B) face in the LO/ nections have been noted as (F) or (B),	AD 14)	International R802.10.2 ar Graphical pu	Residential Code nd referenced sta rlin representatio ation of the purlin I.	e sections indard AN n does n	s R502.11.1 a NSI/TPI 1. ot depict the s			THE DAY ST		SEA 0449	25
		Sech considered for	-10		otanuaru						-0	NGIN'	FERICAS

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

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

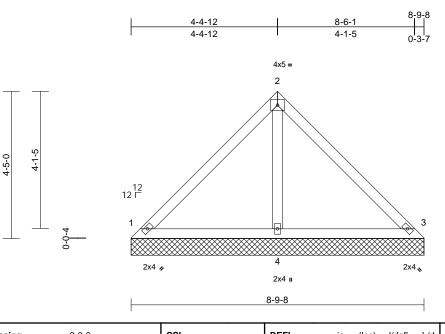


M. Shin April 23,2021

Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V1	Valley	1	1	Job Reference (optional)	145805716

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:07 ID:dcVKNdJXkIDw0TTErggh_9yqD0P-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



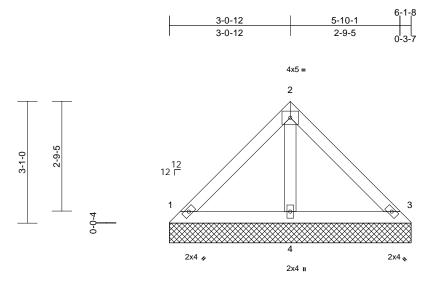
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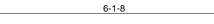
Snow (Pt/Pig) 13.3/20.0 Lumber DOL 1.15 BC 0.12 Ver(TL) n/a - n/a 999 BCL 0.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a n/a BCD 10.0 0.0 Rep Stress Incr YES WB 0.05 Horiz(TL) 0.00 3 n/a n/a Meight: 36 lb FT = 20 UMMER FT EACO10RD 2x4 SP No.2 5 Gable requires continuous bottom chord bearing. 6 Gable stude spaced at 40-0 0c. 6 Gable stude spaced at 40-0 0c. 7 'This truss has been development in ead of 20.0psf on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle on the bottom chord in all areas where a rectangle	ale = 1.34.0												
LUMBER LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 BRACING TOP CHORD Structural wood sheathing directly applied or 6-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 1=8-9-8, 3=8-9-8, 4=8-9-8 Max Horiz 1=80 (LC 9) Max Uplift 1=20 (LC 14), 3=-20 (LC 14) Max Grav 1=196 (LC 2), 3=196 (LC 2), 4=258 (LC 2) FORCES (b) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-140/62, 2-3=-131/62 BOT CHORD 1-2=-140/62, 2-3=-131/62 BOT CHORD 1-4=-21/60, 3-4=-21/60 WEBS 2-4=-156/46 NOTES 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live loads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Unbalanced roof live coads have been considered for this design. 1) Un	LL (roof) ow (Pf/Pg) DL LL	20.0 13.9/20.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB	0.12	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	GRIP 244/190 FT = 20%
(LC 2) LOAD CASE(S) Standard FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-140/62, 2-3=-131/62 BOT CHORD 1-4=-21/60, 3-4=-21/60 WEBS 2-4=-156/46 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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	MBER P CHORD 2) T CHORD 2) HERS 2) ACING P CHORD S 6 T CHORD R biz ACTIONS (siz Ma Ma	x4 SP No.2 x4 SP No.2 x4 SP No.3 Structural wood sh i-0-0 oc purlins. Rigid ceiling direct iracing. ze) 1=8-9-8, ax Horiz 1=-80 (L ax Uplift 1=-20 (L	y applied or 10-0-0 o 3=8-9-8, 4=8-9-8 C 9) C 14), 3=-20 (LC 14)	6) Gable st 7) * This tru on the br 3-06-00 chord an 8) N/A c 9) This trus Internatio R802.10	us spaced at 4-0-0 ss has been design ttom chord in all ar all by 2-00-00 wide d any other membe s is designed in acc and Residential Co 2 and referenced s) oc. ned for a liv eas where will fit betw ers. cordance w de sections	e load of 20.0 a rectangle veen the botto ith the 2015 ; R502.11.1 a	òm.				wegnit. 30 ib	11 = 2076
 NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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 	RCES (II Ti P CHORD 1- T CHORD 1-	(LC 2) b) - Maximum Co ension -2=-140/62, 2-3=- -4=-21/60, 3-4=-2	mpression/Maximum	LOAD CASE	(S) Standard								
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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 		-4=-156/46											
 this design. Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) 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 		oof live loads hav	e been considered fo	ır									
4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10	Wind: ASCE 7 Vasd=103mpl Cat. II; Exp B; Exterior (2) zcv vertical left an forces & MWF DOL=1.60 pla Truss design only. For stuc see Standard or consult qua TCLL: ASCE DOL=1.15 Pla snow); Pf=13.	h; TCDL=6.0psf; ; Enclosed; MWFI and right exposed; MWFI RS for reactions ate grip DOL=1.33 and for wind loads ds exposed to win Industry Gable E alified building des 7-10; Pr=20.0 psf ate DOL=1.15); P .9 psf (flat roof sn	3CDL=6.0psf; h=25ft RS (envelope) and C and right exposed; C-C for members and shown; Lumber in the plane of the tru d (normal to the face nd Details as applica signer as per ANSI/TI (roof live load: Lumb g=20.0 psf (ground ow: Lumber DOL=1.1	-C end Jss), ble, PI 1. ier						1000 1000 m		0449	25 EERTERT



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V2	Valley	1	1	Job Reference (optional)	145805717

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:08 ID:dcVKNdJXkIDw0TTErggh_9yqD0P-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





1.2

Scale = 1:29.2														
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC207	15/TPI2014	CSI TC BC WB Matrix-P	0.14 0.05 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 24 lb	GRIP 244/190 FT = 20%	
BOT CHORD 2x4 OTHERS 2x4 BRACING 5tru 6-0- BOT CHORD Rigit brac REACTIONS (size) Max H	0 oc purlins. d ceiling directly ing. 1=6-1-8, loriz 1=54 (LC Jplift 1=-13 (LC Grav 1=132 (LI	eathing directly applie r applied or 10-0-0 or 3=6-1-8, 4=6-1-8 10) C 14), 3=-13 (LC 14) C 2), 3=132 (LC 2), 4	8 9 1-173	 Gable studs : * This truss h on the bottom 3-06-00 tall b chord and an N/A This truss is International 	es continuous bot spaced at 4-0-0 c as been designen n chord in all area by 2-00-00 wide w y other members designed in accoo Residential Code nd referenced sta Standard	oc. d for a liv as where vill fit betv s. rdance w e sections	e load of 20.0 a rectangle veen the botto ith the 2015 s R502.11.1 ar	'n						
TOP CHORD 1-2= BOT CHORD 1-4= WEBS 2-4= NOTES 1) Unbalanced roof this design. 2) Wind: ASCE 7-1 Vasd=103mpt; T Cat. II; Exp B; Er Exterior (2) zone vertical left and r forces & MWFRS DOL=1.60 plate 3) Truss designed only. For studs of see Standard Into or consult qualifi 4) TCLL: ASCE 7-1 DOL=1.15 Plate	sion -94/44, 2-3=-88 -14/40, 3-4=-14 -105/33 live loads have 0; Vult=130mph CDL=6.0psf; B aclosed; MWFR ; cantilever left ight exposed;C- 5 for reactions s grip DOL=1.33 for wind loads i exposed to wind lustry Gable En ed building desi 0; Pr=20.0 psf i DOL=1.15); Pg sf (flat roof sno	40 been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed ; e C for members and shown; Lumber n the plane of the tru I (normal to the face) d Details as applicat gner as per ANS/TF (roof live load: Lumbe =20.0 psf (ground w: Lumber DOL=1.1!	C end ss , ole, Jl 1. er							Contraction of the second s		SEA 0449	25 EER. FALL	P.MIIII.



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V3	Valley	1	1	Job Reference (optional)	145805718

1-8-12

1-8-12

Carter Components (Sanford), Sanford, NC - 27332,

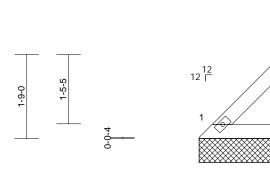
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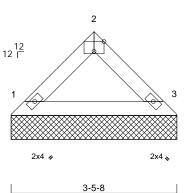
3-2-1

1-5-5



Page: 1





3x5 =

Scale = 1:24

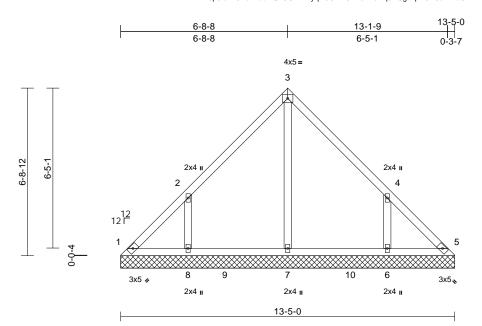
Plate Offsets (X, Y): [2:0-2-8,Edge]

Lending (pr) Spacing 2-0-0 CSI 0.0 DFL in (bc) Ideal (bc) Matter Dol 11.5 0.0 DFL in (bc) Ideal (bc) Matter Dol 11.5 0.00 DFL in (bc) Ideal (bc) Matter Dol Ma	Plate Offsets ()	x, Y): [2:0-2-8,Edge]											
 TOP CHORD 2x4 SP No.2 BOT CHORD Structural wood sheathing directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD Rigid ceiling directly applied or 10-0-0c bracing. BOT CHORD 1-2s-83.35.35-85 directly and referenced standard ANS/TPI 1. LOAD CASE(S) Standard DOP CHORD 1-3s-54.5 MOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; bcDL=	TCLL (roof) Snow (Pf/Pg) TCDL BCLL	20.0 13.9/20.0 10.0 0.0*	Plate Grip DOL Lumber DOL Rep Stress Incr	1.15 1.15 YES	TC BC WB	0.07	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	244/190
	TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Unbalance this design 2) Wind: ASC Vasd=103r Cat. II; Exp Exterior (2) vertical left forces & M DOL=1.60 3) Truss desi only. For s see Standa or consult (4) TCLL: ASC DOL=1.15 snow); Pf= Plate DOL Ct=1.10 5) Gable requ	2x4 SP No.2 Structural wood she 3-6-0 oc purlins. Rigid ceiling directly bracing. (size) 1=3-5-8, 3 Max Horiz 1=28 (LC Max Grav 1=112 (LC (Ib) - Maximum Com Tension 1-2=-83/35, 2-3=-83, 1-3=-5/45 d roof live loads have E 7-10; Vult=130mph mph; TCDL=6.0psf; BK b B; Enclosed; MWFR3) zone; cantilever left a and right exposed (C- WFRS for reactions sist plate grip DOL=1.33 igned for wind loads in studs exposed to wind ard Industry Gable Em qualified building desig 2E 7-10; Pr=20.0 psf (Plate DOL=1.15); Pg= 13.9 psf (flat roof snov =1.15); Category II; Eb uires continuous bottor	applied or 10-0-0 or 3=3-5-8 12) C 2), 3=112 (LC 2) pression/Maximum /35 been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed; eC for members and hown; Lumber In the plane of the tru (normal to the face) d Details as applicat gner as per ANSI/TF roof live load: Lumbe- =20.0 psf (ground w: Lumber DOL=1.1 kp B; Fully Exp.;	on the bo 3-06-00 f chord an ed or 8) This trus Internatic R802.10. LOAD CASE or -C end USS), ble, PI 1. ver	ttom chord in all are all by 2-00-00 wide v d any other member s is designed in acco nal Residential Cod 2 and referenced sta	eas where will fit betw rs. ordance w le sections	a rectangle veen the botto ith the 2015 5 R502.11.1 a	om				0449	25 EER.HAM



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V4	Valley	1	1	Job Reference (optional)	l45805719

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Scale =	1:46.3

Scale = 1:46.3												
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr	2-0-0 1.15 1.15 /ES RC2015/TPI20	CSI TC BC WB Matrix-SH	0.18 0.16 0.10	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 62 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 *Excep Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=13-5-0, 7=13-5-0, Max Horiz 1=126 (LC Max Uplift 1=-29 (LC (LC 14), & Max Grav 1=122 (LC	athing directly applied of applied or 10-0-0 oc 5=13-5-0, 6=13-5-0, 8=13-5-0 C 10) 2 9), 5=-7 (LC 10), 6=-12 8=-121 (LC 13) C 25), 5=105 (LC 24), C 25), 7=337 (LC 24),	DOL= snow) Plate Ct=1.' or 5) Gable 6) Gable 7) * This on the 3-06-C chord 8) N/A 21	requires continuous studs spaced at 4-0- truss has been desig bottom chord in all a 0 tall by 2-00-00 wid and any other memb uss is designed in ac ational Residential Co	i); Pg=20.0 ; f snow: Lum / II; Exp B; F bottom chor 0 oc. gned for a liv areas where e will fit betw ers, with BC ccordance w ode sections	osf (ground iber DOL=1.1 iully Exp.; d bearing. e load of 20.0 a rectangle veen the botti DL = 10.0psi ith the 2015 ; R502.11.1 a	5 Opsf om f.					
FORCES	(lb) - Maximum Com Tension	,		10.2 and referenced SE(S) Standard	Stanuaru Ar	131/1711.						
TOP CHORD	1-2=-141/107, 2-3=-	156/117, 3-4=-147/117,										
BOT CHORD	4-5=-118/79 1-8=-60/98, 8-9=-60 7-10=-60/98, 6-10=-	, ,										1100 m
WEBS	3-7=-145/0, 2-8=-31	1/240, 4-6=-311/240									"ATH CA	ROUT
 this design Wind: ASC Vasd=103 Cat. II; Ex Exterior (2 vertical lef forces & M DOL=1.60 Truss des only. For see Stand 	CE 7-10; Vult=130mph 3mph; TCDL=6.0psf; Bi p B; Enclosed; MWFR 2) zone; cantilever left at ft and right exposed;C- MWFRS for reactions s p late grip DOL=1.33 signed for wind loads ir studs exposed to wind lard Industry Gable En-	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed ; end C for members and hown; Lumber h the plane of the truss									OTT M.	25 EER BALL

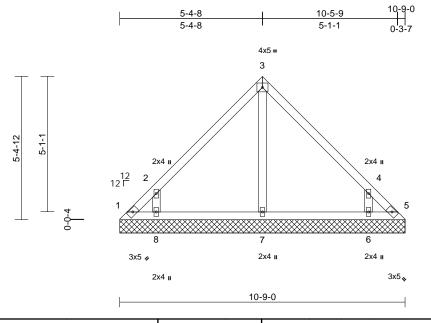
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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



Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V5	Valley	1	1	Job Reference (optional)	145805720

Scale = 1:43.4

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Scale = 1:43.4												
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-SH	0.19 0.09 0.08	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 47 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=10-9-0, 7=10-9-0, Max Horiz 1=100 (LC Max Uplift 1=-94 (LC 6=-126 (L Max Grav 1=99 (LC	C 10) C 11), 5=-77 (LC 12), .C 14), 8=-126 (LC 13	d or d or d or d or d or d or d or d or	SCE 7-10; Pr=20.0 p 5 Plate DOL=1.15); f=13.9 psf (flat roof s IL=1.15); Category II quires continuous bo uds spaced at 4-0-0 iss has been design toom chord in all are call by 2-00-00 wide d any other member s is designed in acco onal Residential Cod	Pg=20.0 snow: Lun I; Exp B; F bttom cho oc. ed for a liv ed for a liv ed for a liv es where will fit betw s.	osf (ground her DOL=1.1 Fully Exp.; rd bearing. re load of 20.0 a rectangle veen the botto ith the 2015 s R502.11.1 a	Dpsf					
FORCES	(lb) - Maximum Com Tension	pression/Maximum		2 and referenced sta (S) Standard	andard Ar	NSI/TPT1.						
TOP CHORD	1-2=-146/120, 2-3=- 4-5=-146/120	156/93, 3-4=-152/93,										
BOT CHORD		/70, 6-7=-35/70,									mmm	11111
WEBS		3/276, 4-6=-343/276								r.>	"TH CA	RO
this design 2) Wind: ASC Vasd=103 Cat. II; Exj Exterior (2 vertical lef forces & M DOL=1.60 3) Truss des only. For see Stand	ed roof live loads have CE 7-10; Vult=130mph imph; TCDL=6.0psf; Bi p B; Enclosed; MWFR 2) zone; cantilever left at t and right exposed;C- MVFRS for reactions s oplate grip DOL=1.33 signed for wind loads in studs exposed to wind ard Industry Gable En- qualified building designed	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C-C and right exposed; e C for members and hown; Lumber n the plane of the trus (normal to the face), d Details as applicab	nd ss le,							Real Providence	MARCHART M.	EER HALL

April 23,2021

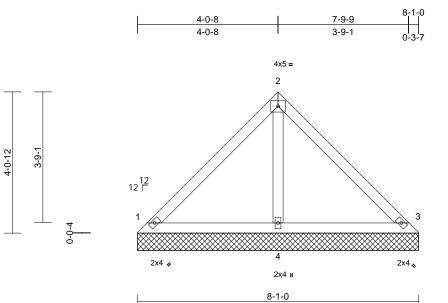


Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V6	Valley	1	1	Job Reference (optional)	721

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:11 ID:Z?d4olLnGvTeFndcz5j93ayqD0N-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Page: 1



Scale = 1:33.1

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 20.0 13.9/20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-P	0.27 0.10 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	Max Horiz 1=-73 (LC	applied or 10-0-0 or 3=8-1-0, 4=8-1-0 : 9)	6) Gable stu 7) * This trus on the bo 3-06-00 tr chord and 8) N/A c 9) This truss Internatio	uires continuous b ds spaced at 4-0-0 s has been design tom chord in all are all by 2-00-00 wide I any other membe is designed in acco nal Residential Coo	oc. aed for a liv eas where will fit betw rs.	e load of 20.0 a rectangle veen the botto	om				Weight: 33 lb	FT = 20%
	Max Uplift 1=-18 (LC Max Grav 1=179 (LC (LC 2) (lb) - Maximum Com Tension 1-2=-128/57, 2-3=-1 1-4=-19/55, 3-4=-19 2-4=-142/43	C 2), 3=179 (LC 2), 4 pression/Maximum 20/57	1-235	2 and referenced st (S) Standard	tandard AN	ISI/TPI 1.						
NOTES 1) Unbalanced this design. 2) Wind: ASC Vasd=103m Cat. II; Exp Exterior (2) vertical left forces & MM DOL=1.60 3) Truss desi only. For s see Standa or consult c 4) TCLL: ASC DOL=1.15 snow); Pf='	d roof live loads have	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed; ; C for members and hown; Lumber n the plane of the tru (normal to the face d Details as applical gner as per ANSI/TF roof live load: Lumb =20.0 psf (ground ** Lumber DOL=1.1	C end Iss), ole, PI 1. er						K CHINE		SEA 0449	EER HALL

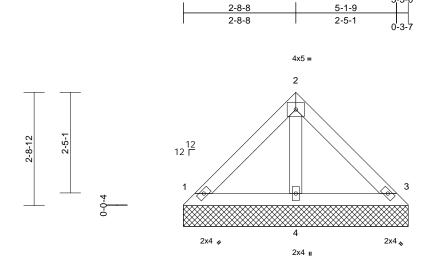


Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V7	Valley	1	1	Job Reference (optional)	145805722

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:12 ID:Z?d4olLnGvTeFndcz5j93ayqD0N-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

5-5-0

Page: 1



Scale = 1:27.7

Scale = 1:27.7												
Loading TCLL (roof) Snow (Pf/Pg) TCDL	(psf) 20.0 13.9/20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.11 0.04 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-P	0.02		0.00	3	n/a	n/a		
BCDL	10.0	Code	IKC2015/1112014	IVIdUIX-F							Weight: 21 lb	FT = 20%
BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 5-5-8 oc purlins. Rigid ceiling directly bracing. (size) 1=5-5-0, Max Horiz 1=-47 (LC Max Uplit 1=-12 (LC	applied or 10-0-0 o 3=5-5-0, 4=5-5-0 2 9)	6) Gable stu 7) * This tru on the bo 3-06-00 t chord an 8) N/A c 9) This trus: Internatio	uires continuous b ids spaced at 4-0-0 ss has been design ttom chord in all ar all by 2-00-00 wide d any other membe s is designed in acc nal Residential Co 2 and referenced s) oc. ned for a liv eas where will fit betw ers. cordance w de sections	e load of 20.0 a rectangle veen the botto ith the 2015 R502.11.1 a	òm.					
I	Max Grav 1=115 (L (LC 2)	C 2), 3=115 (LC 2),	4_151	(S) Standard	tanuaru Ar	ISI/TFTT.						
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Con Tension 1-2=-82/38, 2-3=-77 1-4=-12/35, 3-4=-12 2-4=-91/29	//38										
NOTES												
 this design. Wind: ASC Vasd=103n Cat. II; Exp Exterior (2) vertical left forces & MV DOL=1.60 	E 7-10; Vult=130mpł nph; TCDL=6.0psf; B B; Enclosed; MWFR zone; cantilever left and right exposed;C WFRS for reactions s plate grip DOL=1.33	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C and right exposed ; C for members and hown; Lumber	C end							80	NITH CA	ROLINIE Orister
 only. For s see Standa or consult c 4) TCLL: ASC DOL=1.15 snow); Pf=⁻ 	gned for wind loads i tuds exposed to winc rd Industry Gable En qualified building desi E 7-10; Pr=20.0 psf Plate DOL=1.15); Pg 13.9 psf (flat roof sno =1.15); Category II; E	I (normal to the face d Details as applical gner as per ANSI/TF roof live load: Lumb =20.0 psf (ground w: Lumber DOL=1.1), ble, Pl 1. er						HINK.		OTT M.	EERIEAU

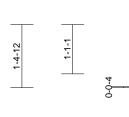


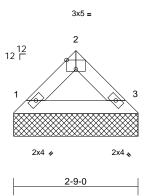
Job	Truss	Truss Type	Qty	Ply	208 Crossing at ACC-Braxton A-Roof	
21070086-A	V8	Valley	1	1	Job Reference (optional)	145805723

Run: 8.5 S 0 Mar 22 2021 Print: 8.500 S Mar 22 2021 MiTek Industries, Inc. Fri Apr 23 10:24:13 ID:Z?d4olLnGvTeFndcz5j93ayqD0N-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

2-9-0

Page: 1





1-4-82-5-91-4-81-1-1

Scale = 1:25.5

Plate Offsets (X, Y): [2:0-2-8,Edge]

	7, 1). [2.0 2 0,Euge]											
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 13.9/20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2015/TPI2014	CSI TC BC WB Matrix-P	0.02 0.04 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 9 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x4 SP No.2 Structural wood she 2-9-8 oc purlins. Rigid ceiling directly bracing. (size) 1=2-9-0, 3 Max Horiz 1=-21 (LC Max Grav 1=84 (LC	applied or 10-0-0 or 3=2-9-0 3 9)	on the bo 3-06-00 chord an ed or 8) This trus Internatio c R802.10	ss has been design bttom chord in all arr all by 2-00-00 wide d any other membe s is designed in acc onal Residential Coo 2 and referenced st (S) Standard	eas where will fit betv rs. ordance w de sections	a rectangle veen the botto ith the 2015 \$ R502.11.1 a	om					
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
BOT CHORD												
NOTES												
this design 2) Wind: ASC Vasd=103i Cat. II; Exp Exterior (2) vertical left forces & M DOL=1.60	CE 7-10; Vult=130mph mph; TCDL=6.0psf; Bi b B; Enclosed; MWFR) zone; cantilever left a t and right exposed;C- IWFRS for reactions s plate grip DOL=1.33	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) and C- and right exposed ; c C for members and hown; Lumber	-C end							X	NITH CA	NROLINI NOLINI
only. For s see Standa or consult 4) TCLL: ASC	igned for wind loads in studs exposed to wind ard Industry Gable En qualified building design CE 7-10; Pr=20.0 psf (Dicto Dot 1.15) Pr	l (normal to the face) d Details as applicat gner as per ANSI/TF roof live load: Lumb), ble, ⊇l 1.								SEA 0449	• •
snow); Pf= Plate DOL Ct=1.10 5) Gable requ	Plate DOL=1.15); Pg: 13.9 psf (flat roof snov =1.15); Category II; E: uires continuous botto ds spaced at 4-0-0 oc.	w: Lumber DOL=1.1 xp B; Fully Exp.;	5								NOT M.	SEVIER IN

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



