

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 20-045195T

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Stock Building Supply.

Pages or sheets covered by this seal: T20252353 thru T20252385

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



May 19,2020

Albani, Thomas

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

Job	Truss	Truss Type	Qty	Ply		
20-045195T	A	Common	4	1	T202: Job Reference (optional)	52353

12-0-0

5-9-9

BMC (Middlesex, NC), Middlesex, NC - 27557,

8-4-7

Scale = 1:57.3

Loading

TCLL (roof)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:39 ID:W9AnQZGtFcED9wo4Og9LgJzF\_mW-pGKu3TbJvKQ9r\_xlQ4e5RhWBmB4JQ7ZrE?SA0jzEz4K

2x4 /

4

23-0-0

7-4-9

l/defl

>999

L/d

240

24-0-0

6-2-7

4x12 u

ě

5

3x8=

GRIP

244/190

24-0-0

1-0-0

PLATES

MT20

17-9-9

5-9-9

6

4x5=

in

-0.19

(loc)

6-7

5x6 = 3



Page: 1

0-4-7 ⊢⊢ 7 18 19 5x6= 3x8= 1-0-0 8-4-9 15-7-7 1-0-0 7-4-9 7-2-13 Plate Offsets (X, Y): [1:0-8-0,0-0-10], [1:0-0-4,Edge], [5:0-8-0,0-0-10], [5:0-0-4,Edge], [7:0-3-0,0-3-0] 2-0-0 CSI DEFL (psf) Spacing тс 20.0 Plate Grip DOL 1.00 0.58 Vert(LL) BC 0.65 Vert(CT) 10.0 Lumber DOL 1.15

12 8 Г 2x4 💊

2

6-2-7

6-2-7

4x12 ı

TCDL	10.0	Lumber DOL	1.15		BC	0.65	Vert(CT)	-0.30	6-7	>955	180			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.11	Horz(CT)	0.03	5	n/a	n/a			
BCDL	10.0	Code	IRC20	015/TPI2014	Matrix-MS							Weight: 127 lb	FT = 20%	
LUMBER	D 2x4 SP No.2			<ol> <li>* This truss on the botto</li> </ol>	has been design m chord in all are	ed for a live	e load of 20. a rectangle	0psf						
BOT CHOR	D 2x4 SP No.2			3-06-00 tall	by 2-00-00 wide	will fit betw	een the bott	om						
WEBS	2x4 SP No.2 *Excep	ot* 6-4,7-2:2x4 SP No	0.3	chord and a	ny other membe	rs, with BC	DL = 10.0ps	f.						
WEDGE	Left: 2x10 SP 2250F Right: 2x10 SP 2250	1.9E or DSS or SS )F 1.9E or DSS or S	s	5) Provide med bearing plat	chanical connecti e capable of with	ion (by othe istanding 2	ers) of truss 0 lb uplift at j	to joint						
BRACING				1 and 20 lb	uplint at joint 5.		th the 2015							
TOP CHOR	D Structural wood she 4-8-4 oc purlins.	athing directly applie	ed or	b) This truss is Internationa	Residential Coc	de sections	R502.11.1 a	and						
BOT CHOR	<ul> <li>Rigid ceiling directly bracing.</li> </ul>	applied or 10-0-0 or	C	LOAD CASE(S)	Standard	andard AN	ISI/TPLT.							
REACTION	<ul> <li>S (size) 1=0-3-8, 8</li> <li>Max Horiz 1=155 (LC Max Uplift 1=-20 (LC Max Grav 1=960 (LC</li> </ul>	5=0-3-8 C 7) C 10), 5=-20 (LC 11) C 1), 5=960 (LC 1)												
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHOR	D 1-2=-1117/113, 2-3= 4-5=-1117/113	-985/164, 3-4=-985/	/164,											
BOT CHOR	D 1-7=-108/931, 7-18= 6-19=0/643, 5-6=-12	=0/643, 18-19=0/643 2/848	8,											
WEBS	3-6=-63/428, 4-6=-2 2-7=-248/161	48/161, 3-7=-63/428	3,									1111 C	AD	
NOTES												"atr		
1) Unbalan this desi	ced roof live loads have gn.	been considered for	r								11	20.000	310 V	-
<ol> <li>Wind: A Vasd=9 II; Exp E and C-C exposed member</li> </ol>	SCE 7-10; Vult=115mph Imph; TCDL=6.0psf; BC ;; Enclosed; MWFRS (er Exterior (2) zone; cantil 1; end vertical left and rig s and forces & MWFRS	(3-second gust) DL=6.0psf; h=30ft; ( avelope) exterior zon ever left and right ght exposed;C-C for for reactions shown	Cat. ne								THE STREET	SE/ 155	AL 44	WWWWWWW

Lumber DOL=1.60 plate grip DOL=1.33 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.





Job	Truss	Truss Type	Qty	Ply		
20-045195T	AG	Common Supported Gable	1	1	T Job Reference (optional)	20252354

# Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:42

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ID:luDBJeNX7NMykJ\_oP3pSXCzF\_mN-AD8n6BfSjs2SylpiDdEG8lD9mCws5L8aOHAxiwzEz4F 12-0-0 24-0-0 12-0-0 12-0-0 5x6= 7 2x4 🛛 2x4 🛚 6 8 12 8 Г 2x4 II 2x4 II 5 9 2x4 🛛 2x4 🛛 10 4 8-4-7 2x4 II 2x4 🛛 3 11 2x4 II 2x4 🛛 2 12 13 0-4-7 N ××××  $\times$  $\times$ \*\*\*\*\*  $\times$ 21 24 23 22 20 19 18 17 16 15 14 3x4= 3x4= 2x4 🛚 2x4 🛚 2x4 🛛 2x4 🛚 5x6= 2x4 🛚 2x4 🛚 2x4 🛛 2x4 🛛 2x4 🛛 2x4 🛚 1-0-0 24-0-0 1-0-0 23-0-0

## Scale = 1:57.3 Plate Offsets (X, Y): [21:0-3-0,0-3-0]

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.12 0.11 0.28	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 148 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural woo 10-0-0 oc pur Rigid ceiling c bracing. (size) 14= 17= 20= 23=	od shea lins. directly =22-0-0 =22-0-0 =22-0-0	athing directly applied applied or 6-0-0 oc ), 15=22-0-0, 16=22-( ), 18=22-0-0, 19=22-( ), 21=22-0-0, 22=22-( ), 24=22-0-0	W N d or 1) 2) 0-0, 0-0, 0-0,	EBS 7 4 5 7 7 8 7 8 7 8 8 8 9 7 8 1 9 7 8 1 9 7 8 1 9 7 8 1 9 7 8 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	7-19=-229/41, 6-20 1-22=-125/59, 3-23 3-18=-135/58, 9-17 1-15=-135/88, 12- roof live loads hav 7-10; Vult=115mp 1; TCDL=6.0psf; Bi- closed; MWFRS (e errior (2) zone; cani- d vertical left and i d forces & MWFRS	)=-134/5 3=-142/9 7=-121/6 -14=-151 e been c h (3-sec CDL=6.C anvelope tilever lei right exp S for rea	8, 5-21=-122// 0, 2-24=-151// 8, 10-16=-125 /43 considered for ond gust) psf; h=30ft; C ) exterior zona it and right osed;C-C for ctions shown;	68, 74, /57, at.					
	Max Horiz 24- Max Uplift 14- 16- 18- 21- 23- Max Grav 14- 16- 18- 20- 22- 24- 24-	==155 (L ==-44 (Lt ==-25 (Lt ==-33 (Lt ==-46 (Lt ==-99 (Lt ==172 (L ==172 (L ==174 (L ==174 (L ==172 (L ==172 (L ==172 (L	C 7) C 10), 15=-94 (LC 11 C 11), 17=-46 (LC 11 C 11), 20=-33 (LC 10 C 10), 22=-24 (LC 10 C 10), 24=-62 (LC 6) C 22), 15=187 (LC 1 C 22), 17=162 (LC 1 C 18), 19=269 (LC 2 C 17), 21=163 (LC 1 C 21), 23=204 (LC 1	), 3) ), )), 4) 8), 5) 8), 5) 8), 6) 7), 7),	Lumber DOL Truss design only. For stu see Standarc or consult qu Gable studs s This truss ha chord live loa * This truss h on the bottom 3-06-00 tall b chord and an	=1.60 plate grip D ned for wind loads ds exposed to wind l Industry Gable E alified building des spaced at 2-0-0 oc s been designed fi d nonconcurrent v ias been designed n chord in all areas y 2-00-00 wide wi y other members.	OL=1.33 in the pl id (normand Detai signer as c. or a 10.0 with any for a live s where a ll fit betw	ane of the trus al to the face), Is as applicab per ANSI/TPI psf bottom other live load bload of 20.0p a rectangle een the botton	e, 1. s. osf				WITH C	ADO
FORCES TOP CHORD BOT CHORD	(lb) - Maximur Tension 1-2=-65/156, ; 4-5=-49/162, ; 7-8=-125/196 10-11=-24/14; 12-13=-65/16; 1-24=-120/78	m Com 2-3=-69 5-6=-88 5, 8-9=-8 8, 11-1 4 5, 23-24	pression/Maximum 9/161, 3-4=-23/152, 3/175, 6-7=-125/196, 38/171, 9-10=-49/158 2=-70/158, =-120/74,	7) 3, 8) 9)	Provide mech bearing plate 20, 46 lb uplit uplift at joint 2 18, 46 lb uplit uplift at joint 1 Non Standard This truss is o	nanical connection capable of withst ft at joint 21, 24 lb 23, 62 lb uplift at jo ft at joint 17, 25 lb 15 and 44 lb uplift d bearing condition designed in accorr	i (by othe anding 3 uplift at bint 24, 3 uplift at at joint 1 n. Revie dance wi	ers) of truss to 3 lb uplift at jo joint 22, 99 lb 3 lb uplift at jc joint 16, 94 lb 4. w required. th the 2015	int vint			and and a second second	SE/ 155	AL 44
	22-23=-120/7 20-21=-120/7 18-19=-120/7 16-17=-120/7 14-15=-120/7	24, 21-2 24, 19-2 24, 17-1 24, 15-1 24, 13-1	2=-120/74, 0=-120/74, 8=-120/74, 6=-120/74, 4=-120/74	L	International R802.10.2 ar DAD CASE(S)	Residential Code nd referenced stan Standard	sections Idard AN	R502.11.1 an SI/TPI 1.	d			and the	S MAS	VEEP. ALBANIN

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Job	Truss	Truss Type	Qty	Ply		
20-045195T	В	Common	10	1	Job Reference (optional)	2355

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:42 ID:6r14MLRfyv\_Eq4smCcPdEGzF\_mI-AD8n6BfSjs2SylpiDdEG8ID?vCk55NpaOHAxiwzEz4F



Scale = 1:63

Plate Offsets (	(X, Y): [1:0-0-13,Edge]	, [1:0-0-4,0-10-10],	[2:0-3-0,0-	3-0], [4:0-3-0,0	0-3-0], [5:0-0-13,E0	dge], [5:0	-0-4,0-10-10]	, [6:0-3-0	,0-3-4],	[7:0-3-0	,0-3-4]			
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	CSI TC BC WB Matrix-MS	0.75 0.87 0.18	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.34 -0.51 0.04	(loc) 6-7 6-7 5	l/defl >986 >651 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 145 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 *Except Left: 2x10 SP 2250F Right: 2x10 SP 2250F Structural wood shea 2-2-0 oc purlins. Rigid ceiling directly bracing. (size) 1=0-3-8, 5 Max Horiz 1=178 (LC Max Uplift 1=-23 (LC Max Grav 1=1107 (L	* 6-4,7-2:2x4 SP N 1.9E or DSS or SS F 1.9E or DSS or S athing directly applie applied or 10-0-0 or =0-3-8 ; 7) 10), 5=-23 (LC 11) C 1), 5=1107 (LC 1	4) s 5) s 6) c LC	* This truss I on the bottor 3-06-00 tall I chord and an Provide mec bearing plate 1 and 23 lb o This truss is International R802.10.2 a DAD CASE(S)	has been designed in chord in all area by 2-00-00 wide w by other members chanical connection e capable of withst uplift at joint 5. designed in accor Residential Code ind referenced star Standard	d for a liv is where ill fit betw , with BC n (by oth anding 2 dance wi sections ndard AN	e load of 20.0 a rectangle veen the bottc DL = 10.0psf ers) of truss tr 3 lb uplift at jo th the 2015 R502.11.1 a ISI/TPI 1.	ipsf om o o nt						
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Com Tension 1-2=-1336/132, 2-3= 3-4=-1192/192, 4-5= 1-7=-131/1127, 7-18 6-19=0/769, 5-6=-17	pression/Maximum -1192/192, -1336/132 =0/769, 18-19=0/76 /1020	<b>3</b> 9,											
WEBS	3-6=-74/532, 4-6=-30 2-7=-304/187	04/187, 3-7=-74/532	2,										A.D.1111	
NOTES 1) Unbalance this design 2) Wind: ASC Vasd=91n II; Exp Bi and C-C E exposed ; members Lumber D 3) This truss chord live	ed roof live loads have n. CE 7-10; Vult=115mph nph; TCDL=6.0psf; BCI Enclosed; MWFRS (en Exterior (2) zone; cantile end vertical left and rig and forces & MWFRS 1 OL=1.60 plate grip DOI has been designed for load nonconcurrent wit	been considered fo (3-second gust) DL=6.0psf; h=30ft; ( velope) exterior zor aver left and right iht exposed;C-C for for reactions shown L=1.33 a 10.0 psf bottom ih any other live loa	r Cat. ne ; ;								in a second seco	SEA 155 NGIN	AL 44 NEER ALBAN May	19,202

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Job	Truss	Truss Type	Qty	Ply		
20-045195T	B1	Common	8	1	T20 Job Reference (optional)	)252356

# Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:43 ID:La3UFQYJqg7yQT2VE?3k59zF\_m9-eQi9KXg4UAAJZvOvnLIVgymANc5?qm8kcxvUENzEz4E



Scale = 1:65.6

Plate Offsets (X, Y): [1:0-0-13,Edge], [1:0-0-4,Edge], [2:0-3-0,0-3-0]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.77 0.82 0.36	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.17 0.03	(loc) 7-10 7-10 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 179 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep 6-5:2x6 SP No.2 Left: 2x10 SP 22500 Structural wood she 2-2-0 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (size) 1=0-3-8, Max Horiz 1=188 (L Max Uplift 1=-23 (L)	ot* 10-7,9-8:2x6 SP f ot* 10-3,7-3:2x4 SP f = 1.9E or DSS or SS eathing directly applie coept end verticals. / applied or 10-0-0 or 4-6 6=0-3-8 C 9) C 10), 6=-16 (LC 11)	4) No.2 No.2, 5) ed or 6) C LC	* This truss h on the bottom 3-06-00 tall b chord and an Provide mecl bearing plate 6 and 23 lb u This truss is i International R802.10.2 ar DAD CASE(S)	as been designed in chord in all areas y 2-00-00 wide wil y other members, nanical connection capable of withsta plift at joint 1. designed in accord Residential Code s and referenced stand Standard	for a live s where a l fit betw with BC (by othe anding 1 lance wi sections dard AN	e load of 20. a rectangle een the bott DL = 10.0ps ers) of truss 6 lb uplift at th the 2015 R502.11.1 a SI/TPI 1.	Opsf .om f. to joint and					
FORCES	(lb) - Maximum Cor	npression/Maximum	)										
TOP CHORD	1-2=-1314/127, 2-3 3-4=-1245/216, 4-5	=-1210/210, =-342/117. 5-6=-308	/96										
BOT CHORD	1-10=-130/1112, 9- 16-17=0/736, 8-17= 6-7=-7/1000	10=0/701, 9-16=0/73 0/736, 7-8=0/695,	6,										
WEBS	2-10=-316/193, 3-1 4-7=-291/205, 4-6=	0=-94/559, 3-7=-96/6 -1051/3	619,								1	ORTHO	Shine -
NOTES											3.	× 6	3.7 -
<ol> <li>Unbalanc this desig</li> <li>Wind: AS</li> <li>Vasd=91r II; Exp B; and C-C E exposed ; members Lumber D</li> <li>This truss chord live</li> </ol>	ed roof live loads have n. CE 7-10; Vult=115mpi nph; TCDL=6.0psf; B0 Enclosed; MWFRS (e Exterior (2) zone; canti end vertical left and r and forces & MWFRS OL=1.60 plate grip D0 has been designed for had nonconcurrent w	been considered for (3-second gust) CDL=6.0psf; h=30ff; ( nvelope) exterior zor lever left and right ght exposed;C-C for for reactions shown DL=1.33 r a 10.0 psf bottom ith any other live loa	r Cat. ne ;								Commences of the second s	SE 155 MGII	AL AL VEER. ALBANIN

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Job	Truss	Truss Type	Qty	Ply		
20-045195T	BG	Common Structural Gable	1	1	T202523 Job Reference (optional)	357

## Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:43 ID:TdPF7V6om62IYh8XUNPIV4zF\_IQ-eQi9KXg4UAAJZvOvnLIVgymDQc7NqfMkcxvUENzEz4E



	1-0-0	8-11-15	16-10-1	22-10-4	24-8-4 27-8-0
Scale = 1:70.2	1-0-0	7-11-15	7-10-3	6-0-3	1-10-0 2-11-12

Plate Offsets (X, Y):	[1:0-8-0,0-0-10]	[1:0-0-4,Edge],	[2:0-3-0,0-3-0],	[6:0-3-0,0-3-0],	[19:0-3-0,0-3-0]
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	-													,	
Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2	015/TPI2014	CSI TC BC WB Matrix-MS	0.57 0.67 0.80	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.11 0.03	(loc) 19-20 20-34 13	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 197 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD JOINTS REACTIONS	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N Left: 2x10 Structural 4-8-9 oc   Rigid ceil bracing, 6-0-0 oc l 1 Brace a 22 (size) Max Horiz Max Uplift	0.2 0.3 *Except 0.3 *Except 0 SP 2250F I wood sheat purlins. ing directly Except: pracing: 12- at Jt(s): 21, 1=0-3-8, 1 14=3-11-8 1=176 (LC 14=-73 (LC 14=00 (LC)	* 20-4,18-4:2x4 SP * 19-4:2x4 SP No.2 1.9E or DSS or SS athing directly applie applied or 10-0-0 oc 13,11-12. 2=3-11-8, 13=3-11- , 15=0-3-8, 32=0-3- 27), 32=176 (LC 7) 10), 12=-29 (LC 11) C 11), 32=-26 (LC 12)	No.2 d or ; 8, 8 9, 0)	WEBS NOTES 1) Unbalanced this design. 2) Wind: ASCE Vasd=91mp II; Exp B; Er and C-C Ext exposed ; eu members ar Lumber DOI 3) Truss design	2-20=-282/172, 2 4-21=-146/549, 4 18-22=-95/149, 1 23-24=-2/165, 8-2 25-26=-961/28, 1 3-21=-126/50, 4 6-23=-139/75, 7-2 16-25=-87/5, 9-2( 10-12=-98/53 roof live loads ha 7-10; Vult=115m h; TCDL=6.0psf; iclosed; MWFRS terior (2) zone; ca nd vertical left and d forces & MWFF =1.60 plate grip ined for wind load	10-21=-101 -22=-114/ 8-23=-46/ 24=-12/15 3-26=-938 19=0/179, 24=0/72, 1 6=-183/84 ave been c mph (3-sec BCDL=6.0 (envelope intilever lei d right exp RS for rea DOL=1.33 Is in the pl	/436, 187, 137, 7, 8-25=-102 //28, 5-22=-40/19 7-24=0/83, 14-26=-213 onsidered for ond gust) psf; h=30ft; ) exterior zoi t and right osed;C-C foi ctions shown ane of the fri	27/31, ), 3/82, or Cat. ne r, ; uss						
FORCES TOP CHORD BOT CHORD	Max Grav (lb) - Max Tension 1-2=-115- 3-4=-926/ 6-7=-761/ 9-10=-10/ 1-20=-13: 18-19=0/( 15-16=0/( 12-13=-9)	1=999 (LC 13=746 (L 15=329 (L imum Com 4/117, 2-3= /214, 4-5=-7 /120, 7-8=-8 /160, 10-11: 2/950, 20-3; 333, 17-18= 551, 14-15= 3/55, 11-12:	21), 12=155 (LC 22) C 1), 14=43 (LC 22) C 1), 32=999 (LC 1) pression/Maximum -1024/178, 713/186, 5-6=-762/1 322/102, 8-9=-18/17 =-48/141 5=0/629, 19-35=0/6 0/551, 16-17=0/551 =-93/55	, 65, 9, 29, ,	<ol> <li>Truss desig only. For st see Standar or consult q</li> <li>Gable studs</li> <li>This truss h chord live lo</li> <li>* This truss on the botto 3-06-00 tall chord and a</li> <li>Provide med bearing plat 14, 29 lb up uplift at joint</li> <li>This truss is Internationa R802.10.2 a</li> </ol>	Ined for wind load uds exposed to w d Industry Gable Jalified building dr spaced at 2-0-0 d as been designed an onconcurrent has been designed m chord in all are by 2-00-00 wide v ny other members chanical connection that a joint 12, 26 I 1. designed in accoo I Residential Code and referenced sta	Is in the pl ind (norma End Detai esigner as oc. I for a 10.C t with any ad for a live do for a live	ane of the fri al to the face Is as applica per ANSI/TI per ANSI/TI per bottom other live load a load of 20.0 a rectangle een the botto DL = 10.0psf ers) of truss t 3 lb uplift at j oint 1 and 20 th the 2015 R502.11.1 a SI/TPI 1.	uss able, pl 1. ads. Opsf om f. to joint 6 lb and			and an and a second second	SE/ 155	AL AL AL AL AL AL AL AL AL AL AL AL AL A	19,2020

818 Soundside Road Edenton, NC 27932

Page: 1

Job	Truss	Truss Type	Qty	Ply	
20-045195T	BG1	Common Structural Gable	1	1	T20252358 Job Reference (optional)

### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:44 ID:bCos7B5bh?Fom8r5ktMIH9zF\_k9-eQi9KXg4UAAJZvOvnLIVgymHVcAtqpLkcxvUENzEz4E

![](_page_6_Figure_3.jpeg)

![](_page_6_Figure_4.jpeg)

![](_page_6_Figure_5.jpeg)

#### Scale = 1:70.1

								-							
Loading TCLL (roof) TCDL BCLL		(psf) 20.0 10.0 0.0*	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.15 YES		CSI TC BC WB	0.31 0.45 0.16	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.04 -0.06 0.01	(loc) 32 31-32 17	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190	
BCDL		10.0	Code	IRC2015	5/TPI2014	Matrix-MS							Weight: 235 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHOPD	2x4 SP N 2x4 SP N 2x4 SP N No.3 2x4 SP N Left: 2x10 Right: 2x <sup>2</sup>	0.2 0.2 *Excep 0.3 *Excep 0 SP 2250F 10 SP 2250	t* 29-5,23-13:2x4 SP t* 26-9:2x4 SP No.2 1.9E or DSS or SS F 1.9E or DSS or SS athing directly applied	WI	EBS 2 5 2 1 2 6 6 3 2 2 2 2 2	99-35=-297/7, 34-3 -36=-329/104, 29- -37=-141/222, 37- :3-38=-152/232, 2: 3-39=-43/113, 9-2 :7-34=-43/37, 7-35 :-36=-1/104, 30-36 :-32=-75/54, 2-33= :5-37=-45/42, 11-3 :4-38=-127/72, 12-3 :4-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72, 12-38=-127/72,	85=-268/ -36=-319 -38=-149 3-39=-2 26=-4/17 5=-158/6 5=0/100, =-32/33, 88=-112/ -39=-197	6, 9-34=-275 9/99, 5/218, 1/135, 3, 8-34=-47/ 4, 28-35=-14 4, 28-35=-14 4-31=0/87, 10-37=-52/3 64, 7/12,	9/15, 52, 40/75, 8,	LOAD	CASE(S)	Sta	ndard		
TOP CHORD	6-0-0 oc j	purlins.	atting directly applied	01	2	2-39=-249/17, 14-	-20=-18	1/23,							
BOT CHORD	Rigid ceil bracing.	ing directly	applied or 10-0-0 oc	NC	DTES	5-19=-30/56, 16-1	18=-00/3	0							
JOINTS	1 Brace a 37	at Jt(s): 34,		1)	Unbalanced i this design.	roof live loads have	e been d	considered fo	or						
REACTIONS	(size) Max Horiz Max Uplift Max Grav	1=0-3-8, 1 29=0-3-8 1=177 (LC 1=-59 (LC 1=540 (LC 21=452 (L	7=0-3-8, 21=0-3-8, 2 7) 1 (0), 17=-53 (LC 11) 2 1), 17=533 (LC 1), C 1), 29=688 (I C 1)	2)	Wind: ASCE Vasd=91mph II; Exp B; End and C-C Exte exposed ; en members and	7-10; Vult=115mp ; TCDL=6.0psf; Bi closed; MWFRS (e prior (2) zone; cant d vertical left and i d forces & MWFRS	h (3-sec CDL=6.( envelope tilever le right exp S for rea	ond gust) Opsf; h=30ft; e) exterior zooft and right osed;C-C fo ctions showr	Cat. ne r ı;						
FORCES	(lb) - Max Tension	timum Com	pression/Maximum	3)	Truss design	=1.60 plate grip Do ned for wind loads	in the pl	ane of the tr	uss				, mining		
TOP CHORD	1-2=-417/ 4-5=-345/ 7-8=-373/ 10-11=-4 12-13=-4 14-15=-3 16-17=-4	/65, 2-3=-42 /153, 5-6=-3 /230, 8-9=-3 98/212, 11- 04/148, 13- 70/109, 15- 10/41	24/93, 3-4=-394/134, 374/169, 6-7=-320/18 370/270, 9-10=-491/2 12=-468/168, 14=-411/131, 16=-431/69,	6, 43, 4) 5) 6)	only. For stu see Standard or consult qu Gable studs s This truss ha chord live loa * This truss h on the bottom	as exposed to win I Industry Gable E alified building des spaced at 2-0-0 oc s been designed fr d nonconcurrent v as been designed n chord in all areas	ia (norm nd Detai signer as c. or a 10.0 vith any for a liv	a to the face Is as applica per ANSI/T ) psf bottom other live loa e load of 20.	e), Ible, PI 1. ads. Opsf			in and a second	NORTH C	AL	
BOT CHORD	<ul> <li>1-33=-142/388, 32-33=-106/388,</li> <li>31-32=-106/388, 30-31=-106/388,</li> <li>29-30=-106/388, 28-29=-3/297,</li> <li>27-28=-3/297, 26-27=-3/297, 25-26=-2/300,</li> <li>24-25=-2/300, 23-24=-2/300, 22-23=0/308,</li> <li>21-22=0/308, 20-21=0/308, 19-20=0/308,</li> <li>18-19=0/308, 17-18=0/308</li> </ul>				3-06-00 tall b chord and an Provide mech bearing plate 1 and 53 lb u This truss is of International R802.10.2 ar	y 2-00-00 wide wil y other members. nanical connection capable of withsta plift at joint 17. designed in accord Residential Code si d referenced stan	ll fit betw (by othe anding 5 dance wi sections	th the 2015 R502.11.1 a SI/TPI 1.	om to joint and			11111111111	155 NGII	44 VEER. ALBANIN	HIG.

May 19,2020

![](_page_6_Picture_10.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	С	Roof Special	11	1	T2 Job Reference (optional)	20252359

6-7-10

6-7-10

# Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:44

Page: 1 ID:gjN5gCW\_7x\_CJ6Ha5yyBXqzF\_iK-6cGXXtgiFUIAB3z5K2GkDAJLk0OeZ4Btrbf1mpzEz4D 37-0-0 12-11-13 18-6-0 24-0-3 30-4-6 6-4-2 5-6-3 5-6-3 6-4-2 6-7-11 5x6= 2x4 II 5x6= 3 4 5 

11-4-14	3x4 II 0-6-C 12 4x5 =	8 <sup>12</sup> 5x8 * 2	11 5x8 = 4 12			10 6x8 =			9 55	c8 =	5x8	•	3x4 II 7 8 4x5 z	0-0-13
	0-3-8	9-4-12		18-6	-0		27-7-4	4				36-8-8	37-0-0	
Scale = 1:69	0-3-8	9-1-4		9-1-	-4		9-1-4					9-1-4	0-3-8	
Plate Offsets (	(X, Y): [2:0-3-8,0-2-8],	[3:0-3-12,0-2-0], [5:0	0-3-12,0-2-0	], [6:0-3-8,0-2	-8], [9:0-4-0,0-3	-4], [11:0-4	4-0,0-3-4]						-	
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/	TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.73 0.99 0.95	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.50 0.35	(loc) 9-10 9-10 8	l/defl >999 >889 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 222 lb	<b>GRIP</b> 244/190 FT = 20%	
TOP CHORD BOT CHORD WEBS BRACING TOP CHORD WEBS REACTIONS FORCES TOP CHORD	<ul> <li>A Construction of the purple of the size of t</li></ul>													
BOT CHORD WEBS 1) Unbalance this design 2) Wind: ASG Vasd=91n II; Exp B; and C-CE exposed ; members Lumber D 3) Provide ad	5-6=-228/222, 6-7= 7-8=-227/99 11-12=-159/1811, 10 9-10=0/1909, 8-9=-3 2-11=-8/290, 3-11=-1 4-10=-363/123, 5-10 5-9=-107/282, 6-9=-4 6-8=-2374/71 ed roof live loads have in. CE 7-10; Vult=115mph nph; TCDL=6.0psf; BCI Enclosed; MWFRS (en Exterior (2) zone; cantilé end vertical left and rig and forces & MWFRS 1 OL=1.60 plate grip DOI dequate drainage to pre	-197/123, 1-12=-228 -197/123, 1-12=-228 )-11=-108/1909, 5/1811 104/236, 3-10=0/126 =-116/1261, 14/290, 2-12=-2374/ been considered for (3-second gust) DL=6.0psf; h=30ft; C velope) exterior zone sver left and right ht exposed;C-C for for reactions shown; L=1.33 event water ponding.	3/99, 51, 71, Cat. e									SEA 155 NGIN MAS F	AL AL AL AL BEER AL BA	

- 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 3) Provide adequate drainage to prevent water ponding.

May 19,2020

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![](_page_7_Picture_9.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	CAP	Roof Special	10	1	Job Reference (optional)	T20252360

#### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:45 ID:EOIPhUCJIfQwP\_5CSVxj08zF\_dZ-aopvkDhK0nQ1pDYHumnzmNrdkQwUllb04FObIFzEz4C

Page: 1

Pa

![](_page_8_Figure_5.jpeg)

## Plate Offsets (X, Y): [2:0-2-0,Edge], [4:0-2-0,Edge]

,	,													
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00		тс	0.26	Vert(LL)	-0.02	6-13	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.25	Vert(CT)	-0.03	6-13	>999	180			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	2	n/a	n/a			
BCDL	10.0	Code	IRC2015	/TPI2014	Matrix-MS		- (- )					Weight: 38 lb	FT = 20%	
		•	E)	Drovido moo		n (hu otha	ra) of truca	to						
			5)	Provide med	capable of withd	n (by othe	2 lb uplift of	l0 ioint						
	2X4 SP No.2			2 32 lb unlift	at joint 4 and 23	lanuny z	5 ID uplint at j	John						
	2X4 SP N0.2		6)	Z, 52 ib upint	docianod in accor	donco wi	t joint 2.							
NEDS	2X4 3F NU.3		0)	International	Residential Code	sections	R502 11 1 2	and						
	o			R802 10 2 ar	nd referenced star	ndard AN	SI/TPI 1							
I OP CHORD	Structural wood she	eathing directly applie	d or 7)	See Standar	d Industry Piggyb	ack Truss	Connection							
	Digid coiling directly	(applied or 10.0.0 or	, <i>'</i>	Detail for Co	nnection to base t	russ as a	pplicable, or							
SOT CHORD	bracing		,	consult qualit	ied building desig	gner.								
REACTIONS	(size) 2=9-6-14	4=0-3-8, 6=9-6-14,	LO	AD CASE(S)	Standard									
	7=9-6-14	, , ,												
	Max Horiz 2=68 (LC	9), 7=68 (LC 9)												
	Max Uplift 2=-23 (LC	C 10), 4=-32 (LC 11),												
	7=-23 (L0	C 10)												
	Max Grav 2=238 (L	C 1), 4=238 (LC 1), 6	i=347											
	(LC 1), 7	=238 (LC 1)												
FORCES	(lb) - Maximum Con Tension	npression/Maximum												
TOP CHORD	1-2=0/16, 2-3=-161, 4-5=0/16	/67, 3-4=-161/67,												
BOT CHORD	2-6=-20/86, 4-6=-2/	86												
NEBS	3-6=-177/24											IIIII	UIII.	
NOTES												I'''HC	ARA	
1) Unbalance	ed roof live loads have	e been considered for										"ATT		1
this desigr	۱.										5	0	SAIN V	14
<ol><li>Wind: ASC</li></ol>	CE 7-10; Vult=115mpł	n (3-second gust)									2.		13.5	7 -
Vasd=91m	nph; TCDL=6.0psf; BC	CDL=6.0psf; h=30ft; C	Cat.								-			-
II; Exp B; E	Enclosed; MWFRS (e	nvelope) exterior zon	е								Ξ		A1 1	
and C-C E	xterior (2) zone; canti	lever left and right										SE/	AL :	e 2 -
exposed;	end ventical left and fi	for reactions shown									=	: 155	44 :	2
Lumber D	$\Omega = 1.60 \text{ plate aria } \Omega$	101 reactions shown,									1	•		
R) This trues	has been designed for	r = 10.0 nsf hottom									1	A		
chord live	load nonconcurrent w	ith any other live load	ts.								2.1	2. SNO.	FER. 2	13
<ol> <li>This trus</li> </ol>	s has been designed	for a live load of 20.0	psf								1	O	VEL OF	5
on the bot	tom chord in all areas	where a rectangle										MAC	ALDIN	
3-06-00 ta	ll by 2-00-00 wide will	fit between the botto	m									1110	·	
chord and	any other members.												Maria	10 0000
													B // O \ /	

![](_page_8_Picture_9.jpeg)

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ENGINEERING BY A MiTek Affiliate 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
20-045195T	CAP1	Нір	1	1	T20252361 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:45

ID:7ibmfUf8MKCXyq?VgUcdx9zF\_cz-aopvkDhK0nQ1pDYHumnzmNrfwQxMIIY04FObIFzEz4C

BMC (Middlesex, NC), Middlesex, NC - 27557,

#### 0-8-12<sub>1</sub> 10-3-10 2-10-11 6-8-3 9-6-14 0-8-12 0-8-12 2-10-11 2-10-11 3-9-8 5x6 = 5x6 = 12 8 Г 3 4 $\bowtie$ 2-3-6 2-4-15 2 5 6 6 4-4-6 1 ø 7 4x5 = 3x4 = 3x4 = 4-9-7 9-6-14 4-9-7 4-9-7

Scale -	1.27 9

## Plate Offsets (X, Y): [3:0-4-8,0-2-8], [4:0-4-8,0-2-8]

Loading		(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		20.0	Plate Grip DOL	1.00		TC	0.19	Vert(LL)	-0.01	7-14	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.19	Vert(CT)	-0.02	7-14	>999	180		
BCLL		0.0^	Rep Stress Incr	YES		WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL		10.0	Code	IRC20	15/TPI2014	Matrix-MS							Weight: 40 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP N 2x4 SP N 2x4 SP N Structura 6-0-0 oc 2-0-0 oc Rigid ceil bracing. (size) Max Horiz Max Uplift Max Grav	0.2 0.3 I wood shea purlins; exc purlins: 3-4. ing directly 2=9-6-14, 8=9-6-14 2=-16 (LC 2=-16 (LC 2=209 (LC 7=412 (LC	athing directly applied ept applied or 10-0-0 oc 5=0-3-8, 7=9-6-14, 8), 8=-44 (LC 8) 10), 5=-21 (LC 11), 10) 2 21), 5=209 (LC 22), 2 1), 8=209 (LC 21)	5 ior 7 8 9 <b>L</b>	<ul> <li>* This truss h on the bottor 3-06-00 tall b chord and ar</li> <li>Provide mec bearing plate 2, 21 lb uplift</li> <li>This truss is International R802.10.2 ar</li> <li>See Standar Detail for Co consult quali</li> <li>Graphical pu or the orient bottom chorc</li> <li>OAD CASE(S)</li> </ul>	as been designed in chord in all areas by 2-00-00 wide will y other members. nanical connection capable of withsta at joint 5 and 16 lb designed in accord Residential Code s dreferenced stand d Industry Piggyban nection to base tru- fied building design rlin representation tion of the purlin al Standard	for a liv where l fit betw (by oth- nding 1 o uplift a lance wis sections dard AN ck Truss uss as a ler. does no long the	e load of 20. a rectangle veen the bott ers) of truss 6 lb uplift at j t joint 2. th the 2015 R502.11.1 a ISI/TPI 1. s Connection upplicable, or t depict the s top and/or	Opsf com to joint and r size					
FORCES	(lb) - Max Tension	timum Com	pression/Maximum											
TOP CHORD	1-2=0/16 4-5=-141	, 2-3=-141/5 /56, 5-6=0/1	56, 3-4=-13/48, I6											
BOT CHORD	2-7=-24/1	02, 5-7=0/1	102											UIII.
WEBS	3-7=-204	/68, 4-7=-20	04/68										" LI C	AD
NOTES													"atro	
<ol> <li>Unbalance this design</li> <li>Wind: ASG Vasd=91r</li> <li>II; Exp B; and C-C E exposed ; members Lumber D</li> <li>Provide ar</li> <li>This truss chord live</li> </ol>	ed roof live n. CE 7-10; Vu nph; TCDL= Enclosed; N Exterior (2) z end vertica and forces OL=1.60 pla dequate dra has been d load nonco	loads have lt=115mph 6.0psf; BCI WFRS (en left and rig & MWFRS ( ate grip DO inage to pre- lesigned for ncurrent with	(3-second gust) DL=6.0psf; h=30ft; C. velope) exterior zone aver left and right ht exposed;C-C for for reactions shown; L=1.33 avent water ponding. a 10.0 psf bottom th any other live load:	at.								The second secon	SE 155 MAS	AL 44 VEEER. AL A. ALBANNIN May 19 2020
														iviay 19,2020

- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Page: 1

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818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
20-045195T	DG	Common Supported Gable	1	1	T20252362 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:46 ID:hIQMPWXoY93vuFd23mMC18zF\_ZG-2?NIyYiyn5ZuQN7USTIClbOqDpIe1B?AIv88rhzEz4B

Page: 1

![](_page_10_Figure_5.jpeg)

Scale = 1:38.6

Loa TCI TCI BCI BCI	<b>ading</b> LL (roof) DL LL DL		(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.15 0.12 0.10	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 62 lb	<b>GRIP</b> 244/190 FT = 20%
LUI TOI BO OTI BR TOI BO	MBER P CHORD T CHORD HERS ACING P CHORD T CHORD	2x4 SP N 2x4 SP N 2x4 SP N Structura 10-0-0 oc Rigid ceil bracing.	o.2 o.2 o.3 I wood shea : purlins. ing directly	athing directly applie applied or 6-0-0 oc	3) 4) d or 5) 6)	<ul> <li>Truss design only. For stu see Standard or consult qu</li> <li>Gable studs si</li> <li>This truss ha chord live loa</li> <li>This truss h</li> <li>This truss h</li> <li>on the bottom</li> <li>3-06-00 tall b</li> </ul>	ed for wind loads i ds exposed to winc I Industry Gable En alified building desi spaced at 2-0-0 oc. s been designed fo d nonconcurrent w as been designed fo c hord in all areas y 2-00-00 wide will	n the pl d (norm d Detai gner as r a 10.0 ith any for a liv where fit betw	ane of the tru al to the face is as applical per ANSI/TF psf bottom other live loa e load of 20.0 a rectangle reen the botto	uss ), ble, PI 1. ds. Dpsf					
RE	ACTIONS	(size) Max Horiz Max Uplift Max Grav	8=11-0-0, 11=11-0-0 12=84 (LC 8=-26 (LC 11=-58 (LC 8=275 (LC 10=303 (L 12=275 (L	9=11-0-0, 10=11-0-( , 12=11-0-0 ; 7) 11), 9=-57 (LC 11), C 10), 12=-26 (LC 1; ; 22), 9=167 (LC 18) C 1), 11=168 (LC 17 C 21)	0, 7) 1) , 8) 7), 9)	chord and an Provide mech bearing plate 11, 26 lb uplit uplift at joint 8 Non Standard This truss is 6 International	y other members. nanical connection capable of withstar t at joint 12, 57 lb u 3. d bearing condition designed in accorda Residential Code s	(by othe nding 5 uplift at . Revie ance wither	ers) of truss t 8 lb uplift at j joint 9 and 26 w required. th the 2015 R502.11.1 a	o oint 3 lb					
FO	RCES	(lb) - Max Tension	imum Com	pression/Maximum	L	R802.10.2 ar	d referenced stand	lard AN	SI/TPI 1.						
то	P CHORD	1-2=-24/1 4-5=0/164	83, 2-3=0/1 4, 5-6=0/16	61, 3-4=0/165, 0, 6-7=-24/182			otandard								
BO	T CHORD	1-12=-129 10-11=-12 7-8=-129/	9/45, 11-12 29/44, 9-10 /44	=-129/44, =-129/44, 8-9=-129/-	44,										11111
WE	BS	4-10=-254 5-9=-132/	4/0, 3-11=-1 /72, 6-8=-17	133/72, 2-12=-170/69 70/69	9,									"RTH C	A BOUL
<ol> <li>NOTES</li> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone</li> </ol>													and the second second	SE 155	AL 544

![](_page_10_Picture_8.jpeg)

HOMAS A. A. 10000 May 19,2020

![](_page_10_Picture_11.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	E	Roof Special	5	1	Job Reference (optional)	T20252363

#### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:46 ID:mQ99NPBAzRfqgvs8OFoZPJzF\_Vr-2?NIyYiyn5ZuQN7USTIClbOovpCT15XAIv88rhzEz4B

Page: 1

![](_page_11_Figure_4.jpeg)

Scale = 1:50.6

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

		•												
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00		тс	0.30	Vert(LL)	-0.09	7-8	>998	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.45	Vert(CT)	-0.19	7-8	>503	180			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.45	Horz(CT)	0.00	5	n/a	n/a			
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 116 lb	FT = 20%	
		-	5)	Provide mech	anical connection	(by oth	are) of truce	to					-	
	2v4 SP No 2		5)	hearing plate	canable of withsta	ndina 7	2 lh unlift at	ioint						
	2x4 SF N0.2 2x4 SP No.2			7 and 12 lb u	plift at joint 5	nung /		joint						
WEBS	2x4 SP No 3 *Excen	t* 8-1·2x6 SP No 2	6)	This truss is o	designed in accorda	ance wi	th the 2015							
WEDGE	Right: 2x10 SP 2250	F 1.9E or DSS or SS	5	International	Residential Code s	ections	R502.11.1 a	and						
BRACING				R802.10.2 ar	nd referenced stand	lard AN	SI/TPI 1.							
TOP CHORD	Structural wood she	athing directly applie	dor LC	DAD CASE(S)	Standard									
	6-0-0 oc purlins, exc	cept end verticals.		.,										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc												
	bracing.													
REACTIONS	(SIZE) 5=0-3-8, /	(=0-3-8, 8=0-3-8												
	Max Horiz 8=-145 (L													
		2 1 1), 7=-72 (LC 10)	220											
		5 1), 7=789 (LC 1), 8	=330											
FORCES	(lb) - Maximum Com	pression/Maximum												
ONCES	Tension													
TOP CHORD	1-2=-222/58, 2-3=-1	70/112, 3-4=-276/63	,											
	4-5=-423/51, 1-8=-2	09/56												
BOT CHORD	7-8=-35/194, 6-7=0/	145, 5-6=0/309												
WEBS	3-7=-470/61, 2-7=-2	76/147, 3-6=-41/282	,											
	4-0=-209/134, 2-8=-	81/38											a line	
NOTES												WITH C	ARA	
<ol> <li>Unbalance</li> <li>this design</li> </ol>	ed roof live loads have	been considered for										CH CE		11
	1. CE 7 10: \/ult_115mph	(2 second quist)									S.	N. STEE		12
2) Wind. ASC	DE 7-10, Vuit=115mpn	DI -6 Opef: b-30ft: C	`ot								2		est.	
II: Exp B: I	Enclosed: MWERS (en	velope) exterior zon	ρ.								-	:55	· · ·	-
and C-C E	xterior (2) zone: cantil	ever left and right	0									: SE	41	
exposed ;	end vertical left and rid	ht exposed;C-C for									3	1.55		
members	and forces & MWFRS	for reactions shown;									2	: 155	44 :	2
Lumber D	OL=1.60 plate grip DO	L=1.33									1	3. State 1997		-
<ol><li>This truss</li></ol>	has been designed for	r a 10.0 psf bottom									3	2. 4.		13
chord live	load nonconcurrent wi	th any other live load	ls.								1	Y NGIN	JEE	1
4) * This trus	s has been designed f	or a live load of 20.0	psf								1	An	Br	5
on the bot	tom chord in all areas	where a rectangle										AS I	A. AL	
3-06-00 ta	II by 2-00-00 wide will	tit between the botto	m									111111	in the second	
chord and	any other members.													

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.

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![](_page_11_Picture_11.jpeg)

![](_page_11_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	E1	Roof Special	3	1	T20252364 Job Reference (optional)	

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:46 ID:4gmnpUiCI9XynGVMnj26WuzF\_Tt-2?NIyYiyn5ZuQN7USTICIbOIVpBB15YAIv88rhzEz4B

![](_page_12_Figure_3.jpeg)

#### Scale = 1:50.6

# Plate Offsets (X, Y): [5:0-0-4,Edge], [5:0-0-4,Edge], [7:0-3-0,0-3-0]

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.45 0.54 0.45	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.12 0.02	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 114 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	2x4 SP No 2x4 SP No 2x4 SP No Right: 2x1 Structural 5-5-5 oc p Rigid ceili	0.2 0.3 *Except 0 SP 2250 wood shea urlins, exc ng directly	* 8-1:2x6 SP No.2 F 1.9E or DSS or SS athing directly applied ept end verticals. applied or 10-0-0 oc	5) 6) For <b>LO</b>	Provide mech bearing plate 8 and 18 lb u This truss is of International R802.10.2 ar AD CASE(S)	nanical connection capable of withsta plift at joint 5. Jesigned in accord Residential Code s d referenced stand Standard	(by othe nding 1 ance wi sections dard AN	ers) of truss t 1 lb uplift at j th the 2015 R502.11.1 a SI/TPI 1.	io oint ind					
REACTIONS	bracing. (size) Max Horiz Max Uplift Max Grav	5=0-3-8, 8 8=-145 (LC 5=-18 (LC 5=833 (LC	=0-3-8 C 8) 11), 8=-11 (LC 10) : 1), 8=749 (LC 1)											
FORCES	(lb) - Maxi Tension	mum Com	pression/Maximum											
TOP CHORD	1-2=-191/ 4-5=-924/	60, 2-3=-82 98, 1-8=-18	28/139, 3-4=-808/140 30/51	Ι,										
BOT CHORD	7-8=-58/7 6-15=0/53	54, 7-14=0 2, 5-6=-8/6	/532, 14-15=0/532, 97											
WEBS	3-7=-47/3 4-6=-207/	53, 2-7=-17 137, 2-8=-7	77/142, 3-6=-55/326, 775/39										mu	000
<ul> <li>NOTES</li> <li>1) Unbalance this design</li> <li>2) Wind: ASC</li> </ul>	ed roof live le n. CE 7-10; Vul	bads have t=115mph	been considered for (3-second gust)									in the second se	OR OF S	AD WHITE

- 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Contraction of the second The second second SEAL 15544 6 1AS A Α. 100000

# May 19,2020

Page: 1

![](_page_12_Picture_13.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	E2	Roof Special	1	1	T20252365 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:46 ID:RO\_ntj40rFUb6QLjbYkiypzF\_1\_-2?NIyYiyn5ZuQN7USTICIbOIWpBz19sAIv88rhzEz4B

![](_page_13_Figure_3.jpeg)

Scale = 1:50.8

Plate Offsets (X, Y): [3:0-3-12,0-2-0], [5:0-0-8,Edge], [5:0-0-4,Edge], [7:0-3-0,0-3-0]

			, 0										
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00		TC	0.45	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.55	Vert(CT)	-0.14	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.24	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS			-				Weight: 128 lb	FT = 20%
LUMBER			4)	* This truss h	as been design	ed for a live	e load of 20.	.0psf					
TOP CHORD	2x4 SP No.2			on the botton	n chord in all are	eas where a	a rectangle						
BOT CHORD	2x4 SP No.2			3-06-00 tall b	y 2-00-00 wide	will fit betw	een the bot	tom					
WEBS	2x4 SP No.3 *Except	t* 2-8:2x4 SP No.2		chord and ar	y other member	rs, with BCI	DL = 10.0ps	sf.					
WEDGE	Right: 2x10 SP 2250	F 1.9E or DSS or SS	s 5)	Provide mec	hanical connecti	on (by othe	ers) of truss	to					
BRACING				bearing plate	capable of with	standing 6	7 lb uplift at	joint					
TOP CHORD	Structural wood shea	athing directly applie	d or	8 and 15 lb u	plift at joint 5.								
	5-5-3 oc purlins, exc	cept end verticals, an	nd 6)	This truss is	designed in acco	ordance wi	th the 2015	et					
	2-0-0 oc purlins (6-0-	-0 max.): 1-3.		International	Residential Cod	e sections	K502.11.1	and					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc		Kou2.10.2 ar	iu referenced st	andard AN	51/1 P1 1.						
	bracing.		7)	Graphical pu	riin representatio	on does no	t depict the	size					
WEBS	1 Row at midpt	2-8		bottom chore	alion of the putlit	r along the	top and/or						
REACTIONS	(size) 5=0-3-8, 8	8=0-3-8			Otau da ud								
	Max Horiz 8=-210 (L0	C 8)	LO	AD CASE(S)	Standard								
	Max Uplift 5=-15 (LC	11), 8=-67 (LC 6)											
	Max Grav 5=836 (LC	C 1), 8=766 (LC 2)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-8=-113/49, 1-2=-91	1/93, 2-3=-491/122,											
	3-4=-841/158, 4-5=-9	930/98											
BOT CHORD	8-14=-44/431, 14-15	=-44/431, 7-15=-44/4	431,										
	7-16=0/528, 16-17=0	)/528, 6-17=0/528,										, mm	11111
	5-6=-9/703											WH C	ARA
WEBS	3-7=-116/83, 3-6=-78	8/327, 4-6=-212/145	,									"All	S III
	2-7=0/390, 2-8=-698	/86									5	0	A.V.
NOTES											2.		13.7 -
1) Wind: AS	CE 7-10; Vult=115mph	(3-second gust)									-		
Vasd=91n	nph; TCDL=6.0psf; BCI	DL=6.0psf; h=30ft; C	at.								-	: 05	AL : E
II; Exp B;	Enclosed; MWFRS (en	velope) exterior zon	е								Ξ	SE.	AL : E
and C-C E	exterior (2) zone; cantile	ever left and right									=	155	44 : =
exposed;	end vertical left and rig	int exposed;C-C for									-	: 100	1 5
	OI -1 60 plate grip DO	I =1 33									1	100	1. 2
2) Provide or	doguato drainago to pre										5.1	A. EN-	CR. NS
2) FIUVILLE $a($	bac been designed for	a 10.0 pcf bottom	•								1	YO GIN	VEF
chord live	load popconcurrent wit	a 10.0 psi bollom	le le									MAG	NB
choru live	Ioau nonconcurrent wit		13.									ILAS I	A. Marin
													mm.

May 19,2020

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 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 safe truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
20-045195T	E3	Roof Special	1	1	T20252366 Job Reference (optional)

#### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:47 ID:2duxy8f7Y?Xnso0xPdbyvwzF\_0E-WBxg9ujbYPhl2Whg0BpRroxr?DTWmaMJXYthN8zEz4A

![](_page_14_Figure_3.jpeg)

#### Scale = 1:55.5

## Plate Offsets (X, Y): [2:0-3-12,0-2-0], [4:0-0-4,Edge], [4:0-0-4,Edge], [5:0-4-0,0-3-0]

L <b>oading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.79 0.79 0.35	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.43 -0.68 0.02	(loc) 5-6 5-6 4	l/defl >552 >352 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 117 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP 1650F 1.5E SP SS *Except* 5-4 2x4 SP No.2 *Except Right: 2x10 SP 2250 Structural wood she 5-4-10 oc purlins, e 2-0-0 oc purlins, (6-0 Rigid ceiling directly bracing. 1 Row at midpt (size) 4=0-3-8, ( Max Horiz 6=-249 (L Max Uplift 4=-17 (LC	or 2x4 SP No.1 or 2 2x4 SP No.2 t* 5-3:2x4 SP No.3 )F 1.9E or DSS or S athing directly applie xcept end verticals, -0 max.): 1-2. applied or 10-0-0 or 1-6, 2-6 5=0-3-8 C 8) 2 11), 6=-69 (LC 6)	4) x4 5) S ed or 6) and c 7) LC	* This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate 6 and 17 lb u This truss is of International R802.10.2 ar Graphical pui or the orienta bottom chord DAD CASE(S)	as been designed n chord in all areas y 2-00-00 wide wi y other members, nanical connectior capable of withsta plift at joint 4. designed in accord Residential Code d referenced stan rlin representation tion of the purlin a Standard	for a live s where s Il fit betw with BC (by othe anding 6 dance wi sections dard AN does no along the	e load of 20. a rectangle een the bott DL = 10.0ps ers) of truss 9 9 lb uplift at 1 th the 2015 R502.11.1 a SI/TPI 1. t depict the s top and/or	Opsf om f. to joint and size						
	Max Grav 4=836 (Lo	C 1), 6=764 (LC 2)												
FURCES	Tension	pression/maximum												
TOP CHORD	1-6=-209/74, 1-2=-1 3-4=-921/107	13/111, 2-3=-737/13	32,											
BOT CHORD	6-12=0/454, 12-13= 4-5=-4/691	0/454, 5-13=0/454,												
NEBS	2-6=-617/75, 2-5=-1	3/538, 3-5=-270/171	1									"aTH U	TO THE	
NOTES											3	O'.EES	SOLV'	5
<ol> <li>Wind: ASC Vasd=91m</li> <li>II; Exp B; E</li> <li>and C-C E</li> <li>exposed ;</li> <li>members a</li> </ol>	CE 7-10; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (er Exterior (2) zone; cantil end vertical left and ri and forces & MWFRS	(3-second gust) DL=6.0psf; h=30ft; ( avelope) exterior zor ever left and right ght exposed;C-C for for reactions shown	Cat. ne								in the second	SE/ 155	AL 44	Markan III

Lumber DOL=1.60 plate grip DOL=1.33 Provide adequate drainage to prevent water ponding. 2) 3) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads.

THOMAS A. AL ଚ 

# May 19,2020

Page: 1

![](_page_14_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	E4	Roof Special	1	1	T2025 Job Reference (optional)	2367

12-6-2

BMC (Middlesex, NC), Middlesex, NC - 27557,

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:47 ID:smFCCBku8rIxajT5luiM8BzF\_08-WBxg9ujbYPhl2Whg0BpRroxuhDRema2JXYthN8zEz4A

20-0-0

Page: 1

7-1-0 7-5-14

![](_page_15_Figure_5.jpeg)

#### Scale = 1:61.5

# Plate Offsets (X, Y): [2:0-3-12,0-2-0], [3:0-3-0,0-3-0], [4:0-0-4, Edge], [4:0-0-4, Edge], [5:0-4-0, Edge]

5-5-3

5-5-3

5x6=

2

3x6 🛛

1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.62 0.91 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.44 -0.70 0.02	(loc) 5-6 5-6 4	l/defl >537 >342 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 122 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP 1650F 1.5E SP SS *Except* 5-/ 2x4 SP No.2 *Exce Right: 2x10 SP 225 Structural wood sh 4-8-7 oc purlins, e 2-0-0 oc purlins (6- Rigid ceiling directl bracing. 1 Row at midpt (size) 4=0-3-8, Max Horiz 6=-289 (I Max Grav 4=859 (I (b) - Maximum Co	E or 2x4 SP No.1 or 2 4:2x4 SP No.2 9pt* 5-3:2x4 SP No.3 50F 1.9E or DSS or 5 eathing directly appli xcept end verticals, a 0-0 max.): 1-2. y applied or 10-0-0 c 1-6, 2-6 6=0-3-8 LC 8) C 11), 6=-70 (LC 6) .C 18), 6=807 (LC 18 moression/Maximum	4) 2x4 5) SS ied or 6) and 7) DC 7) L(	* This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate 6 and 16 lb u This truss is a International R802.10.2 ar Graphical pui or the orienta bottom chord DAD CASE(S)	as been designed n chord in all area y 2-00-00 wide wi y other members, nanical connection capable of withst plift at joint 4. designed in accor Residential Code d referenced star flin representation tition of the purlin a Standard	I for a live s where a ill fit betw, with BC h (by othe anding 7 dance wi sections indard AN a does nc along the	e load of 20. a rectangle een the bott DL = 10.0ps ers) of truss 0 lb uplift at th the 2015 R502.11.1 a SI/TPI 1. t depict the top and/or	Opsf fom f. to joint and size						
TOP CHORD	Tension 1-6=-140/64, 1-2=-	125/128, 2-3=-818/1	69,											
BOT CHORD	3-4=-946/103 6-12=-17/377, 12-1 5-14=0/731 14-15:	3=-17/377, 5-13=-17 =0/731_4-15=0/731	7/377,									annun (		
WEBS	2-6=-658/95. 2-5=-	74/739. 3-5=-356/20	3									TH U	ROW	55
NOTES	, 20		-								3	Oning	in the	11
<ol> <li>Wind: ASC Vasd=91n II; Exp B; I and C-C E exposed; Lumber Di</li> <li>Provide ac</li> <li>This truss chord live</li> </ol>	CE 7-10; Vult=115mp pph; TCDL=6.0psf; B Enclosed; MWFRS (e ixterior (2) zone; cant end vertical left and I and forces & MWFRS OL=1.60 plate grip D dequate drainage to p has been designed fi load nonconcurrent v	h (3-second gust) CDL=6.0psf; h=30ft; envelope) exterior zo tilever left and right right exposed;C-C fo S for reactions shown OL=1.33 orevent water pondin or a 10.0 psf bottom with any other live loa	Cat. ine in n; ig. ads.								and a second sec	SE/ 155 NGINAS /	AL 44 NEER ALBAN May	19,2020
													,	

May 19,2020

![](_page_15_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	E5	Roof Special	1	1	T20252368 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:47 ID:e7JVbMSvEzjZ9nURinFC1ezF\_?D-WBxg9ujbYPhl2Whg0BpRroxrpDR0mZsJXYthN8zEz4A

Page: 1

![](_page_16_Figure_3.jpeg)

#### Scale = 1:67.8

# Plate Offsets (X, Y): [2:0-3-12,0-2-0], [3:0-4-0,0-3-0], [4:0-0-4, Edge], [4:0-0-4, Edge], [5:0-4-0, Edge]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.80 0.95 0.45	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.46 -0.71 0.01	(loc) 5-6 5-6 4	l/defl >522 >335 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 129 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP 1650F 1.5E c SP SS *Except* 5-4:2 2x4 SP No.2 *Except Right: 2x10 SP 2250 Structural wood sheat 2-2-0 oc purlins, exc 2-0-0 oc purlins (6-0- Rigid ceiling directly bracing. 1 Row at midpt (size) 4=0-3-8, 6 Max Horiz 6=-328 (LC Max Uplift 4=-11 (LC Max Grav 4=874 (LC (Ib) - Maximum Comp Tension	or 2x4 SP No.1 or 2x4 2x4 SP No.2 * 5-3:2x4 SP No.3 F 1.9E or DSS or SS athing directly applied cept end verticals, and 0 max.): 1-2. applied or 2-2-0 oc 1-6, 2-6 =0-3-8 C 8) 11), 6=-72 (LC 6) : 18), 6=881 (LC 18) pression/Maximum	4) 5) or 6) 7) LO	* This truss h on the bottom 3-06-00 tall by chord and any Provide mech bearing plate 6 and 11 lb up This truss is of International 1 R802.10.2 an Graphical pur or the orienta bottom chord AD CASE(S)	as been designed f a chord in all areas y 2-00-00 wide will y other members, y lanical connection capable of withstan blift at joint 4. lesigned in accorda Residential Code s d referenced stand lin representation of tion of the purlin all Standard	for a live where a fit betw with BC (by othe nding 7 ance wi ections lard AN does no ong the	e load of 20.0 a rectangle een the bottc DL = 10.0psf. ers) of truss tr 2 lb uplift at jo th the 2015 R502.11.1 a SI/TPI 1. t depict the s top and/or	Opsf o ooint nd					
TOP CHORD	1-6=-73/70, 1-2=-140 3-4=-984/98	)/147, 2-3=-890/219,											
BOT CHORD WEBS NOTES 1) Wind: ASC Vasd=91m II; Exp B; f and C-C E exposed ; members : Lumber D0 2) Provide ac 3) This truss chord live	6-12=-49/303, 12-13 6-12=-49/303, 12-13 5-14=0/759, 14-15=0 2-6=-729/127, 3-5=-4 CE 7-10; Vult=115mph nph; TCDL=6.0psf; BCI Enclosed; MWFRS (enclosed); end vertical left and rig and forces & MWFRS for DL=1.60 plate grip DOI dequate drainage to pre- has been designed for load nonconcurrent wit	=-49/303, 5-13=-49/3 //759, 4-15=0/759 143/244, 2-5=-149/93 (3-second gust) DL=6.0psf; h=30ft; Ca velope) exterior zone ever left and right ht exposed;C-C for for reactions shown; L=1.33 event water ponding. a 10.0 psf bottom h any other live loads	03, 2 at.								and the second s	SEA 155 NGIN AS A	AL ALBANING

![](_page_16_Picture_9.jpeg)

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May 19,2020

Job	Truss	Truss Type	Qty	Ply	
20-045195T	E6	Roof Special	1	1	T20252369 Job Reference (optional)

# ID:mii7b3Qj9sw4NEA?yHCBqjzEzzy-\_NV2NEjDJipcggGsZuKgN0T\_kdmvUztTmCdFvazEz49 1-5-3 10-6-2 20-0-0 -9-1-0 9-5-14 1-5-3 8x8 🕿 4x5 u 1 2 M 1<u>2</u> 18 6x8 💊 3

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:48

4x12 u

À ø

4x5: 20-0-0 **4**⊤

6 12 513 14 4x12= 5x8= 9-11-5 19-0-0 9-11-5 9-0-11 Plate Offsets (X, Y): [2:0-3-0,Edge], [3:0-4-0,Edge], [4:0-0-4,Edge], [4:0-0-4,Edge], [5:0-4-0,0-3-4]

12-9-0

#### Scale = 1:78.9

	() ( ) [ ] ]	[	- ,	J/L	-1/11								
Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.15 YES		CSI TC BC WB	0.92 0.90 0.59	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.25 -0.50 0.02	(loc) 5-6 5-6 4	l/defl >958 >475 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS	-						Weight: 132 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING	2x4 SP No.2 *Excep 1.5E or 2x4 SP No.1 2x4 SP No.2 2x4 SP No.2 *Excep 2.0E or 2x4 SP DSS SP No.3 Right: 2x10 SP 2250	t* 2-3:2x4 SP 1650F or 2x4 SP SS t* 6-1:2x4 SP 2400F or 2x4 SP M 31, 5- IF 1.9E or DSS or S	= 4) = 5) 3:2x4 S 6)	<ul> <li>* This truss I on the bottor</li> <li>3-06-00 tall I chord and ar</li> <li>Provide mec</li> <li>bearing plate</li> <li>joint 6 and 1</li> <li>This truss is</li> <li>International</li> </ul>	has been designe m chord in all are- by 2-00-00 wide w ny other members thanical connection a capable of withs lb uplift at joint 4 designed in acco Residential Codd	ed for a liv as where will fit betw s, with BC on (by oth standing 1 ordance wi e sections	e load of 20.0 a rectangle eeen the botto DL = 10.0psf ers) of truss t 06 lb uplift at th the 2015 R502.11.1 a	Opsf om o					
TOP CHORD	Structural wood sheat 2-2-0 oc purlins, exc 2-0-0 oc purlins (6-0-	athing directly applie cept end verticals, a -0 max.): 1-2.	ed or Ind 7)	Graphical pu or the orienta	nd referenced sta Irlin representatio ation of the purlin	on does no along the	t depict the s top and/or	size					
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	C L	bottom chore OAD CASE(S)	d. Standard								
WEBS	1 Row at midpt	2-6, 3-6											
REACTIONS	(size) 4=0-3-8, 6 Max Horiz 6=-367 (L Max Uplift 4=-1 (LC Max Grav 4=881 (LC	6=0-3-8 C 8) 11), 6=-106 (LC 11) C 18), 6=862 (LC 18	)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-6=-124/160, 1-2=- 3-4=-1012/92	160/168, 2-3=-301/1	128,										AD
BOT CHORD	6-12=0/808, 5-12=0/ 13-14=0/776, 4-14=0	/808, 5-13=0/776, 0/776									3	RTHO	PINE
WEBS	2-6=-446/218, 3-6=-9	918/193, 3-5=0/459									5.	2.00	No. 7 -
NOTES											5		est: 3
1) Wind: ASC Vasd=91n II: Exp B: I	CE 7-10; Vult=115mph nph; TCDL=6.0psf; BC Enclosed: MWERS (en	(3-second gust) DL=6.0psf; h=30ft; ( velope) exterior zon	Cat.									SE	AL

- 1 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
- Provide adequate drainage to prevent water ponding. 2) 3) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

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![](_page_17_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	E7	Roof Special	2	1	T20252370 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:48 ID:EisnVr3KwrUhdD9??C8OwhzEzz8-\_NV2NEjDJipcggGsZuKgN0T4GdqfU18TmCdFvazEz49

![](_page_18_Figure_3.jpeg)

![](_page_18_Figure_4.jpeg)

Scale = 1:92.8

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

<b>Loading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC201	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.56 0.66 0.38	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.19 0.01	(loc) 5-13 5-13 4	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 154 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x6 SP No.2 *Except 2x4 SP No.2 *Except 2.0E or 2x4 SP DSS SP No.3 Right: 2x10 SP 2250 Structural wood shea 5-8-13 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (size) 4=0-3-8, 8 Max Horiz 8=-390 (Lt Max Uplift 8=-130 (Lt	t* 5-4:2x4 SP No.2 t* 8-1:2x4 SP 2400F or 2x4 SP M 31, 3-5 F 1.9E or DSS or S3 athing directly applie xcept end verticals. applied or 10-0-0 oc 1-8, 2-8 3=0-3-8 C 6) C 11)	3) 5:2x4 4) S 5) vd or ; LC	* This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate joint 8. This truss is of International R802.10.2 ar DAD CASE(S)	as been designed a chord in all areas y 2-00-00 wide will y other members, anical connection capable of withsta designed in accord. Residential Code s d referenced stand Standard	for a live where a fit betw with BC (by othe nding 1 ance wi ections dard AN	e load of 20.0 a rectangle een the botto DL = 10.0psf ers) of truss tr 30 lb uplift at th the 2015 R502.11.1 a SI/TPI 1.	)psf om o					
FORCES	(Ib) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-8=-175/72, 1-2=-23 3-4=-932/95	33/142, 2-3=-772/12	8,										
BOT CHORD	7-8=-1/479, 7-14=-1/ 6-15=-1/479, 5-6=-1	/479, 14-15=-1/479, 0/441, 4-5=0/722											
WEBS	2-8=-703/195, 2-5=-3	36/519, 3-5=-290/16	8									"ATH U	
NOTES 1) Wind: ASC Vasd=91m II; Exp B; I and C-C E exposed; members : Lumber D( 2) This truss chord live	CE 7-10; Vult=115mph hph; TCDL=6.0psf; BCI Enclosed; MWFRS (en xterior (2) zone; cantile end vertical left and rig and forces & MWFRS i DL=1.60 plate grip DO has been designed for load nonconcurrent wit	(3-second gust) DL=6.0psf; h=30ft; C velope) exterior zon ever left and right ght exposed;C-C for for reactions shown; L=1.33 • a 10.0 psf bottom th any other live load	Cat. e ds.								The second secon	SEA 155 MGIN MAS A	AL AL AL AL AL AL AL AL AL AL AL AL AL A

> A. A. May 19,2020

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![](_page_18_Picture_11.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	EG	Common Structural Gable	1	1	Job Reference (optional)

#### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:48 ID:vjrai4GU3mPtSB3\_fQP3J3zEzwI-\_NV2NEjDJipcggGsZuKgN0T8qdtZU1GTmCdFvazEz49

![](_page_19_Figure_3.jpeg)

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![](_page_19_Figure_5.jpeg)

Scale	- 1	1.28	2

Plate Offsets (X, Y): [1:0-0-7,Edge], [1:0-0-4,Edge], [11:0-6-0,0-0-2], [11:0-0-4,Edge], [17:0-3-0,0-3-0]

<b>Loading</b> TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.27 0.48 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.04 0.01	(loc) 12-13 12-33 11	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 151 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS WEDGE BRACING TOP CHORD BOT CHORD JOINTS REACTIONS FORCES TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 2x4 SP No.3 Left: 2x10 SP 2250F Right: 2x10 SP 2250F Structural wood shea 6-0-0 oc purlins. Rigid ceiling directly a bracing. 1 Brace at Jt(s): 21, 23 (size) 1=0-3-8, 1 Max Horiz 1=134 (LC Max Grav 1=547 (LC 14=512 (LI (lb) - Maximum Comp Tension 1-2=-465/40, 2-3=-46 4-5=-374/106, 5-6=-3 7-8=-464/160, 8-9=-5 10-11=-596/89 1-19=-93/387, 18-19=	1.9E or DSS or SS F 1.9E or DSS or SS athing directly applied applied or 10-0-0 oc 1=0-3-8, 14=0-3-8 ; 7) 10), 11=-36 (LC 11) ; 1), 11=620 (LC 1), C 1) pression/Maximum 57/76, 3-4=-386/93, 329/136, 6-7=-402/17 500/139, 9-10=-466/1 =-47/387,	1) 2) d or 3) 4) 5) 6) 7) 75, 8) 103, LC	Unbalanced r this design. Wind: ASCE Vasd=91mph II; Exp B; End and C-C Exte exposed ; end members and Lumber DOL Truss design only. For stu see Standard or consult qu Gable studs s This truss has chord live loa * This truss has chord and an Provide mech bearing plate 1 and 36 lb u This truss is a International R802.10.2 ar	oof live loads have 7-10; Vult=115mph ; TCDL=6.0psf; BC ; dosed; MWFRS (er rior (2) zone; cantil d vertical left and rig f forces & MWFRS =1.60 plate grip DC ted for wind loads ir ds exposed to wind Industry Gable En- alified building designed spaced at 2-0-0 oc. s been designed for d nonconcurrent wi as been designed for the cond in all areas y 2-00-00 wide will y other members. nanical connection ( capable of withstar plift at joint 11. Jesigned in accorda Residential Code sid d referenced stand Standard	been c (3-secc DL=6.C Vvelope ever lei ght exp for rea: out_12,32 d Detai gner as r a 10.C th any or a live where : fit betw (by oth hading 1 ance wi ecctions ard AN	onsidered fc ond gust) psf; h=30ft; ) exterior zor t and right osed;C-C for tions showr ane of the tru al to the face is as applica per ANSI/Ti psf bottom other live load e load of 20.1 a rectangle een the bott ers) of truss i D buplift at j th the 2015 R502.11.1 a SI/TPI 1.	or Cat. ne r ; uss ), ble, PI 1. ods. 0psf oom to ioint				INTH C		
WEBS	17-18=-47/387, 16-1 14-15=0/220, 13-14= 11-12=0/431 4-22=-216/81, 16-22: 16-21=-102/191, 7-2 7-23=-89/394, 12-23: 12-20=-239/131, 10-2 9-20=-137/49, 7-13=: 15-21=-245/45, 5-22: 3-18=0/68, 2-19=-64/	7=-47/387, 15-16=0/ :0/220, 12-13=0/217, =-269/90, 1=-110/174, =-76/379, 20=-118/87, -161/20, 6-21=-210/5 =0/85, 17-22=0/128, /48, 8-23=-18/14	220, C	AD CASE(S)	Standard						and the second s	SE/ 155 MAS	AL 44	and the second second

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![](_page_19_Picture_10.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	F	Common	3	1	Job Reference (optional)	20252372

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:49 ID:a6hqVQEgDLUW2UBMLErqYxzEzv2-Ta3Qaakr40xSlqr27bsvwD0Gl1CuDSHc?sMoR0zEz48

![](_page_20_Figure_3.jpeg)

Scale = 1:50.6

## Plate Offsets (X, Y): [5:0-0-4,Edge], [5:0-0-4,Edge], [7:0-3-0,0-3-0]

<b>Loadi</b> ICLL ICDL BCLL BCDL	<b>ng</b> (roof)	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	;/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.45 0.54 0.45	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.12 0.02	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 114 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMB TOP C BOT C WEBS WEDG BRAC TOP C BOT C REAC	ER CHORD CHORD SE ING CHORD CHORD TIONS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 *Except Right: 2x10 SP 22501 Structural wood shea 5-5-5 oc purlins, exc Rigid ceiling directly a bracing. (size) 5=0-3-8, 8 Max Horiz 8=-145 (LC Max Uplift 5=-18 (LC	* 8-1:2x6 SP No.2 F 1.9E or DSS or SS athing directly applie æpt end verticals. applied or 10-0-0 oc =0-3-8 C 8) 11), 8=-11 (LC 10)	5) 6) d or <b>LO</b>	Provide mech bearing plate 8 and 18 lb u This truss is o International R802.10.2 an AD CASE(S)	aanical connection ( capable of withstar olift at joint 5. designed in accorda Residential Code s d referenced stand Standard	(by othe nding 1 ance wi ections ard AN	ers) of truss tr 1 lb uplift at jr th the 2015 R502.11.1 a SI/TPI 1.	o pint nd						
FORC	<b>es</b> Hord	Max Grav 5=833 (LC (lb) - Maximum Comp Tension 1-2=-191/60, 2-3=-82	28/139, 3-4=-808/14	D,											
BOT C	HORD	4-5=-924/98, 1-8=-18 7-8=-58/754, 7-14=0/ 6-15=0/532, 5-6=-8/6 3-7=-47/353, 2-7=-17 4-6=-207/137 2-8=-7	30/51 /532, 14-15=0/532, 397 77/142, 3-6=-55/326, 774/39												
IOTE: ) Ur thi ?) Wi ?) Wi Ran ex Eu S) Th ch 4) * T	S abalance is desigr ind: ASC asd=91m Exp B; I d C-C E posed; posed; embers a mber D d is truss ord live This trust	ad roof live loads have l DE 7-10; Vult=115mph ph; TCDL=6.0psf; BCI Enclosed; MWFRS (envi- ixterior (2) zone; cantile end vertical left and rig and forces & MWFRS f OL=1.60 plate grip DOI has been designed for load nonconcurrent wit s has been designed for load nonconcurrent wit s has been designed for	(3-second gust) DL=6.0psf; h=30ft; C velope) exterior zone ever left and right hit exposed;C-C for for reactions shown; L=1.33 a 10.0 psf bottom h any other live load or a live load of 20.0p where a rectangle	at. e								and the second s	SE/ 155	AL AL AL EEFR BANN	A MANDER DE LA COMPANY

- II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

A Α. (1111111) May 19,2020

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

![](_page_20_Picture_12.jpeg)

AS

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F1	Roof Special	5	1	T20252373 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:49 ID:LBDiJok0KFnZ5xOQp2bgFozEzuO-Ta3Qaakr40xSIqr27bsvwD0I31EaDVKc?sMoR0zEz48

Page: 1

![](_page_21_Figure_5.jpeg)

## Scale = 1:54.2 Plate Offsets (X, Y): [7:0-6-0,0-0-2], [7:0-0-4,Edge], [12:0-4-12,Edge]

Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00		тс	0.37	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.43	Vert(CT)	-0.09	9-10	>999	180			
BCLL	0.0	* Rep Stress Incr	YES		WB	0.32	Horz(CT)	0.05	7	n/a	n/a			
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS							Weight: 119 lb	FT = 20%	
			4)	* This trues h	as been designed	for a live	a load of 20 l	Onef						
	2 2 × 4 SP No 2		-1)	on the botton	n chord in all areas	where	a rectangle	opsi						
	) 2x4 SP No 2			3-06-00 tall b	v 2-00-00 wide wil	l fit betw	een the bott	om						
WEBS	2x4 SP No 3 *Evo	ent* 13-1-2v6 SP No	2	chord and an	v other members.									
WEDGE	Right: 2x10 SP 22	250F 1 9F or DSS or S	- 	Provide mech	nanical connection	(by othe	ers) of truss	to						
			,	bearing plate	capable of withsta	nding 1	1 lb uplift at j	oint						
	Structural wood s	heathing directly appli	ied or	13 and 18 lb	uplift at joint 7.									
	4-11-14 oc purlins	s. except end verticals	s. 6)	This truss is o	designed in accord	lance wi	th the 2015							
BOT CHORE	Rigid ceiling direct	tly applied or 10-0-0 c	DC	International	Residential Code s	sections	R502.11.1 a	and						
	bracing.	., .,		R802.10.2 ar	nd referenced stand	dard AN	SI/TPI 1.							
REACTIONS	(size) 7=0-3-8	8, 13=0-3-8	LC	DAD CASE(S)	Standard									
	Max Horiz 13=-14	5 (LC 8)												
	Max Uplift 7=-18 (	LC 11), 13=-11 (LC 10	0)											
	Max Grav 7=833	(LC 1), 13=749 (LC 1)	,											
FORCES	(lb) - Maximum C	ompression/Maximum	1											
	Tension													
TOP CHORE	0 1-2=-786/63, 2-3=	-1187/88, 3-4=-822/1	00,											
	4-5=-823/100, 5-6	6=-1206/90, 6-7=-837/	70,											
	1-13=-719/57													
BOT CHORE	0 12-13=-120/167,	11-12=-61/738,												
	10-11=-79/1018,	9-10=-13/1030, 8-9=-5	5/714,											
	7-8=-4/605											MILLIN	11111	
WEBS	2-12=-582/41, 2-1	1=-32/534, 3-11=0/20	)2,									"TH C	ARA	
	3-10=-465/138, 4	-10=-7/511, 5-10=-472	2/118,									R		1
	5-9=0/201, 6-9=-1	//579, 6-8=-466/8,									5	O'iFES	SOV	24
	1-12=-7/599											7.002	12: 7	1.2
NOTES	<b></b>										3		- × ·	3
i) Unbalan	ceu root live loads ha	ve been considered fo	ונ								-	: 00	AL 1	=
	JII. SCE 7 10: \/ult_115m	ph (2 cocond quet)										: 35/	AL I	=
Vacd-01	mph: $TCDI = 6 0 pcf \cdot I$		Cat								2	: 155	44 :	-
Vasu=91 II: Exp R	· Enclosed: MWFRS	(envelope) exterior zo	ne								1	1		-
and C-C	Exterior (2) zone: ca	ntilever left and right									1	A		3
exposed	: end vertical left and	right exposed:C-C fo	r								11	2. SNO.	FER. 2	18
members	s and forces & MWFF	RS for reactions shown	ז;								1	O	EL OF	5
Lumber I	DOL=1.60 plate grip I	DOL=1.33									1	MAC	ALDIN	
3) This trus	s has been designed	for a 10.0 psf bottom										1110 1	1	
chord live	e load nonconcurrent	with any other live loa	ads.									2000	nnn.	

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

May 19,2020

![](_page_21_Picture_10.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F2	Roof Special	1	1	Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:50 ID:98FGLnyJNAdBrQ?JC8rHMAzEzoy-xmdoowITrK3Jv\_QFhJN8TRZMsRX8yxxIDW6M\_TzEz47

Page: 1

![](_page_22_Figure_4.jpeg)

Scale = 1:58.1

Plate Offsets (X, Y): [2:0-5-8,0-1-12], [4:0-0-8,Edge], [4:0-0-4,Edge]

				-										
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00		тс	0.81	Vert(LL)	-0.08	5-13	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.60	Vert(CT)	-0.15	5-13	>999	180			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.36	Horz(CT)	0.01	4	n/a	n/a			
BCDL	10.0	Code	IRC2015	/TPI2014	Matrix-MS							Weight: 142 lb	FT = 20%	
			4)	* This truss h	as been designed	d for a live	load of 20 (	Onsf						
	2x4 SP 1650F 1 5E (	or 2x4 SP No 1 or 2x	·/	on the botton	n chord in all area	s where a	a rectangle	0001						
	SP SS *Except* 2-4	2x4 SP No 2	17	3-06-00 tall b	ov 2-00-00 wide w	ill fit betw	een the bott	om						
BOT CHORD	2x6 SP No.2 *Except	t* 5-4:2x4 SP No.2		chord and an	y other members,	, with BC	DL = 10.0pst	f.						
WEBS	2x4 SP No.3 *Except	t* 8-2:2x4 SP No.2	5)	Provide mec	hanical connection	n (by othe	ers) of truss t	to						
WEDGE	Right: 2x10 SP 2250	F 1.9E or DSS or SS	S	bearing plate	capable of withst	tanding 6	7 lb uplift at j	joint						
BRACING	0			8 and 17 lb u	ıplift at joint 4.									
TOP CHORD	Structural wood shea	athing directly applie	dor 6)	This truss is	designed in accor	dance wi	th the 2015							
	5-7-8 oc purlins, exc	cept end verticals, ar	nd	International	Residential Code	sections	R502.11.1 a	and						
	2-0-0 oc purlins (6-0	-0 max.): 1-2.		R802.10.2 ar	nd referenced star	ndard AN	SI/TPI 1.							
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	; 7)	Graphical pu or the orienta	rlin representation ation of the purlin a	n does no along the	t depict the s top and/or	size						
WEBS	1 Row at midpt	1-8, 2-8		bottom chord	i.									
REACTIONS	(size) 4=0-3-8 8	3=0-3-8	LO	AD CASE(S)	Standard									
	Max Horiz 8=-226 (L	C 6)												
	Max Uplift 4=-17 (LC	11). 8=-67 (LC 6)												
	Max Grav 4=836 (LC	C 1), 8=752 (LC 1)												
FORCES	(lb) - Maximum Com	pression/Maximum												
	1_8244/82 1_29	7/101 2-3722/120												
	3-4=-913/111	7/101, 2-3-722/120	,											
BOT CHORD	7-8=0/486, 7-14=0/4 6-15=0/486, 5-6=0/4	86, 14-15=0/486, 51, 4-5=-11/689											AD	
WEBS	2-8=-610/63, 2-5=0/4	452, 3-5=-246/151										"aTH U		
NOTES											S	OTES	Spin All	
1) Wind: AS	CE 7-10; Vult=115mph	(3-second gust)									2.		No. 7 -	
Vasd=91n	nph; TCDL=6.0psf; BC	DL=6.0psf; h=30ft; C	Cat.								-		e Kin	2
II; Exp B;	Enclosed; MWFRS (en	velope) exterior zon	е								-	: 05		1
and C-C E	Exterior (2) zone; cantile	ever left and right										: SE	AL :	3
exposed ;	end vertical left and rig	pht exposed;C-C for										155	44	Ξ.
members	and forces & MWFRS	for reactions shown;									-	: 100	an fil	5
Cumper D	OL=1.60 plate grip DO	L=1.33									1	200 - C		-
<ol> <li>Provide al</li> <li>This truck</li> </ol>	bac been designed for	event water ponding	•								2.1	2. ENG	-cR. NS	
chord live	load nonconcurrent wit	th any other live load	łe								1	YO WGIN	VEE AN	
											-	1, MAG	ALDIN	
												11,701	4	
												201111	IIIII.	

May 19,2020

![](_page_22_Picture_10.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F3	Roof Special	1	1	T20252375 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:50 ID:LLW7wovsmRazpZXUKElp3qzEznj-xmdoowITrK3Jv\_QFhJN8TRZPNRX3yxTIDW6M\_TzEz47

Page: 1

![](_page_23_Figure_4.jpeg)

Scale = 1:64.2

# Plate Offsets (X, Y): [2:0-3-12,0-2-0], [3:0-3-0,0-3-0], [4:0-0-8,Edge], [4:0-0-4,Edge]

Loading TCLL (roof) TCDL BCLL	(psf) 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.15 YES		CSI TC BC WB	0.59 0.60 0.33	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.15 0.01	(loc) 5-13 5-13 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190	
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS			-				Weight: 146 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Wind: AS( Vasd=91n II; Exp B; I and C-C exposed ; members Lumber D 2) Provide ad 3) This truss chord live	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.2 *Excep Right: 2x10 SP 2250 Structural wood shea 5-6-6 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. 1 Row at midpt (size) 4-0-3-8, & Max Horiz 8=-265 (LI Max Uplift 4=-18 (LC Max Grav 4=836 (LC (Ib) - Maximum Com Tension 1-8=-179/68, 1-2=-10 3-4=-907/107 7-8=-3/391, 5-6=-11 2-8=-599/81, 2-5=-43 CE 7-10; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en exterior (2) zone; cantil end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO dequate drainage to pro has been designed for load nonconcurrent with	<ul> <li>* 5-4:2x4 SP No.2</li> <li>* 5-3:2x4 SP No.3</li> <li>F 1.9E or DSS or SS athing directly applie cept end verticals, ar -0 max.): 1-2.</li> <li>applied or 10-0-0 oc</li> <li>1-8, 2-8</li> <li>B=0-3-8</li> <li>C 6)</li> <li>11), 8=-68 (LC 6)</li> <li>C 1), 8=760 (LC 2)</li> <li>pression/Maximum</li> <li>D7/115, 2-3=-726/14</li> <li>'391, 14-15=-3/391, 3/354, 4-5=0/681</li> <li>3/3561, 3-5=-321/182</li> <li>(3-second gust)</li> <li>DL=6.0psf; h=30ft; C velope) exterior zon-ever left and right hit exposed; C-C for for reactions shown; L=1.33</li> <li>event water ponding a 10.0 psf bottom th any other live loace</li> </ul>	4) s 5) id or 6) ; 7) LC 9, Cat. e ds.	* This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate 8 and 18 lb u This truss is of International R802.10.2 an Graphical pur or the orienta bottom chord DAD CASE(S)	as been designed o chord in all areas y 2-00-00 wide will y other members, nanical connection capable of withsta- plift at joint 4. Jesigned in accord Residential Code s d referenced stand lin representation tion of the purlin al Standard	for a live where a l fit betw with BC (by othe anding 6 lance wi sections dard AN does no long the	a load of 20. a rectangle een the bott DL = 10.0ps ers) of truss 8 lb uplift at SI/TPI 1. t depict the top and/or	Opsf for joint and size				SE/ 155	AL AL AL AL AL BA May 19	9,2020

- 2) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom 3) chord live load nonconcurrent with any other live loads.

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F4	Roof Special	1	1	T20252376 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:50 ID:quje\_CyoWsPm8n60MII\_YzzEzmN-xmdoowITrK3Jv\_QFhJN8TRZOzRXwyxflDW6M\_TzEz47

Page: 1

![](_page_24_Figure_4.jpeg)

#### Scale = 1:70.3

## Plate Offsets (X, Y): [2:0-3-12,0-2-0], [3:0-3-0,0-3-4], [4:0-0-8,Edge], [4:0-0-4,Edge]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	5/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.68 0.61 0.38	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.16 0.01	(loc) 5-13 5-13 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 153 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.2 *Excep Right: 2x10 SP 2250 Structural wood she 4-3-12 oc purlins, e 2-0-0 oc purlins (6-0	t* 5-4:2x4 SP No.2 t* 5-3:2x4 SP No.3 F 1.9E or DSS or SS athing directly applie xcept end verticals, a -0 max.): 1-2.	4) 5 5) d or and 6)	* This truss h on the botton 3-06-00 tall b chord and an Provide mech bearing plate 8 and 15 lb u This truss is of International 8802 10 2 ar	as been designed n chord in all areas y 2-00-00 wide will y other members, nanical connection capable of withsta plift at joint 4. designed in accord Residential Code s or referenced stam	for a live where I fit betw with BC (by othe inding 7 ance wis sections	e load of 20. a rectangle een the bott DL = 10.0ps ers) of truss 0 lb uplift at th the 2015 R502.11.1 a SUTPL 1	Opsf om f. to joint and						
BOT CHORD WEBS REACTIONS	Rigid ceiling directly bracing. 1 Row at midpt (size) 4=0-3-8, 8 Max Horiz 8=-304 (L Max Uplift 4=-15 (LC Max Grav 4=864 (LC	applied or 10-0-0 oc 1-8, 2-8 3=0-3-8 C 6) : 11), 8=-70 (LC 6) C 18), 8=827 (LC 18)	. 7) LC	Graphical pur or the orienta bottom chord DAD CASE(S)	rlin representation tion of the purlin al Standard	does no	t depict the stop and/or	size						
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHORD	1-8=-105/63, 1-2=-1 3-4=-927/103	21/131, 2-3=-822/19	1,											
BOT CHORD	7-8=-29/328, 7-14=- 6-15=-29/328, 5-6=- 16-17=0/720, 4-17=0	29/328, 14-15=-29/3 38/291, 5-16=0/720, )/720	28,											
WEBS	2-8=-673/110, 2-5=-	112/793, 3-5=-403/2	18									"ath of		
		(0									E.	S. FER	D. Vin	
<ol> <li>Wind: ASC Vasd=91n II; Exp B; I and C-C E exposed ; members Lumber D</li> </ol>	CE 7-10; Vult=115mph pph; TCDL=6.0psf; BC Enclosed; MWFRS (er Exterior (2) zone; cantil end vertical left and rig and forces & MWFRS OL = 1.60 plate grip DO	(3-second gust) DL=6.0psf; h=30ft; C velope) exterior zone ever left and right ght exposed;C-C for for reactions shown; L=1.33	Cat. e								Contraction of the	SE/ 155	AL 44	

- Lumber DOL=1.60 plate grip DOL=1.33 Provide adequate drainage to prevent water ponding. 2) 3) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.

![](_page_24_Figure_10.jpeg)

May 19,2020

![](_page_24_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F5	Roof Special	1	1	T20252377 Job Reference (optional)

#### Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:51 ID:B0kyZQfFJBAmYSO77PK2lizEzkA-PyBA?Gm5cdBAX8?RF0uN?e5V9qsJhM9vSArvWvzEz46

Page: 1

![](_page_25_Figure_4.jpeg)

## Scale = 1:76.5 Plate Offsets (X, Y): [2:0-5-12,0-2-0], [3:0-4-0,0-3-4], [4:0-0-8,Edge], [4:0-0-4,Edge]

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015/	/TPI2014	<b>CSI</b> TC BC WB Matrix-MS	0.91 0.67 0.49	<b>DEFL</b> Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.17 0.01	(loc) 5-13 5-13 4	l/defl >999 >999 n/a	L/d 240 180 n/a	<b>PLATES</b> MT20 Weight: 160 lb	<b>GRIP</b> 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.2 *Excep Right: 2x10 SP 2250 Structural wood she except end verticals, (6-0-0 max.): 1-2. Rigid ceiling directly bracing. 1 Row at midpt (size) 4=0-3-8, 8 Max Horiz 8=-344 (L Max Uplift 4=-8 (LC Max Grav 4=872 (LC	t* 5-4:2x4 SP No.2 t* 5-3:2x4 SP No.3 IF 1.9E or DSS or SS athing directly applied , and 2-0-0 oc purlins applied or 10-0-0 oc 1-8, 2-8, 2-5 3=0-3-8 C 6) 11), 8=-85 (LC 11) C 18), 8=911 (LC 18)	4) 5) <sup>1</sup> , 6) 7) LOA	* This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate 8 and 8 lb up This truss is of International R802.10.2 ar Graphical pui or the orienta bottom chord AD CASE(S)	as been designed in chord in all areas y 2-00-00 wide will y other members, nanical connection capable of withsta lift at joint 4. designed in accord Residential Code is ad referenced stan flin representation tion of the purlin a Standard	for a live s where I fit betw with BC (by oth anding 8 Jance wi sections dard AN does no long the	e load of 20.0 a rectangle een the botto DL = 10.0psf ers) of truss t 5 lb uplift at j th the 2015 R502.11.1 a SI/TPI 1. t depict the s top and/or	Opsf c. oo ooint und size						
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHORD	1-8=-57/83, 1-2=-13 3-4=-964/98	7/150, 2-3=-902/246,												
BOT CHORD	7-8=-76/263, 7-14=- 5-6=-93/227, 5-15=0 4-16=0/744	76/263, 6-14=-76/263 )/744, 15-16=0/744,	3,											
WEBS	2-8=-784/148, 2-5=-	195/997, 3-5=-494/26	63									"THU	ANON!!!	
NOTES											3	OTIES	SOVN	14
<ol> <li>Wind: ASC Vasd=91n II; Exp B; I and C-C E exposed ; members Lumber D</li> </ol>	CE 7-10; Vult=115mph nph; TCDL=6.0psf; BC Enclosed; MWFRS (en Exterior (2) zone; cantiil end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO	(3-second gust) DL=6.0psf; h=30ft; C ivelope) exterior zonce ever left and right ght exposed;C-C for for reactions shown; L=1.33	at.								Summer Street	SE/ 155	AL 44	Man Martin

Provide adequate drainage to prevent water ponding. 2) 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

![](_page_25_Figure_8.jpeg)

May 19,2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
20-045195T	F6	Roof Special	1	1	T20252378 Job Reference (optional)

Scale = 1:83.6

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:51 ID:1tNUWbnesGMogVrxRMUJupzEzhQ-PyBA?Gm5cdBAX8?RF0uN?e5a3qtGhO6vSArvWvzEz46

![](_page_26_Figure_3.jpeg)

![](_page_26_Figure_4.jpeg)

Plate Offsets (X, Y): [2:0-4-4,0-2-4], [3:0-3-0,0-3-4], [5:0-0-8,Edge], [5:0-0-4,Edge]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00		TC	0.59	Vert(LL)	-0.08	6-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.61	Vert(CT)	-0.15	6-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.36	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015	5/TPI2014	Matrix-MS							Weight: 164 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x6 SP No.2 *Except 2x4 SP No.2 *Except 9-2:2x6 SP No.2 Right: 2x10 SP 2250 Structural wood shea 5-9-6 oc purlins, exc 2-0-0 oc purlins, exc 2-0-0 oc purlins (10-0 Rigid ceiling directly bracing. 1 Row at midpt (size) 5=0-3-8, 9 Max Horiz 9=-333 (L0	* 6-5:2x4 SP No.2 * 4-6:2x4 SP No.3, F 1.9E or DSS or SS athing directly applie ept 0-0 max.): 1-2. applied or 10-0-0 oc 3-9, 2-9 =0-3-8 C 11)	4) 5) 6) d or 7) 8)	This truss ha chord live loa * This truss h on the botton 3-06-00 tall b chord and an Provide mecl bearing plate joint 9. This truss is of International R802.10.2 ar Graphical pu or the orienta bottom chord	s been designed for d nonconcurrent w as been designed n chord in all areas y 2-00-00 wide wil y other members, nanical connection capable of withsta designed in accord Residential Code s d referenced stan fin representation tion of the purlin a	or a 10.0 ith any for a live s where I fit betw with BC (by othe anding 1 lance wis sections dard AN does no long the	psf bottom other live loa e load of 20.0 a rectangle reen the botto DL = 10.0psf ers) of truss t 86 lb uplift at th the 2015 R502.11.1 a SI/TPI 1. t depict the s top and/or	ds. )psf om o nd					
FORCES	Max Uplift 9=-186 (LC Max Grav 5=829 (LC (Ib) - Maximum Com Tension	C 11) : 1), 9=875 (LC 18) pression/Maximum	LC	AD CASE(S)	Standard								
TOP CHORD BOT CHORD	1-2=0/0, 2-3=-144/67 9-10=0/0, 8-9=0/446 16-17=0/446, 7-17=0 5-6=0/665	7, 3-4=-718/0, 4-5=-8 8-16=0/446, /446, 6-7=0/410,	891/0									WITH C	ARO
WEBS	3-9=-693/207, 3-6=-2 2-9=-183/88	26/504, 4-6=-267/16	3,								3	OR	JAN'S
NOTES											2.	2.00	13. 7 ·
<ol> <li>Unbalanc this desig</li> <li>Wind: AS</li> </ol>	ed roof live loads have n. CE 7 10: \/ult=115mpb	been considered for									1111	SE	
<ol> <li>Wind: AS Vasd=91r II; Exp B; and C-C F exposed ; members Lumber D</li> <li>Provide a</li> </ol>	mph; TCDL=6.0ps; BCI Enclosed; MWFRS (en Exterior (2) zone; cantile end vertical left and rig and forces & MWFRS 1 00L=1.60 plate grip DOI dequate drainage to pre	(3-second gust) DL=6.0psf; h=30ft; C velope) exterior zone ever left and right ht exposed;C-C for for reactions shown; _=1.33 event water ponding.	at. Ə								A DAVID AND A D		44 NEERAM

## May 19,2020

![](_page_26_Picture_8.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	FG	Common Supported Gable	1	1	Job Reference (optional)	T20252379

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:52 ID:QYSeERvQe1Pz9OjaBd7MUjzEzeh-PyBA?Gm5cdBAX8?RF0uN?e5h\_q?uhQAvSArvWvzEz46

![](_page_27_Figure_4.jpeg)

![](_page_27_Figure_5.jpeg)

Scale = 1:51.4

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	<b>Spacing</b> Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC20	015/TPI2014	CSI TC BC WB Matrix-MS	0.15 0.12 0.23	<b>DEFL</b> Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 119 lb	<b>GRIP</b> 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x6 SP No.2 2x4 SP No.3 Structural wood sh 10-0-0 oc purlins, Rigid ceiling directl bracing. (size) 12=19-0 15=19-0 18=19-0 22=-184 Max Uplift 12=-21 ( 14=-37 ( 20=-31 ( 22=-184 Max Grav 12=274 14=173 16=286 18=164 21=287	Eathing directly applied except end verticals. y applied or 6-0-0 oc 0, 13=19-0-0, 14=19- 0, 16=19-0-0, 17=19- 0, 20=19-0-0, 21=19- 0 (LC 8) LC 11), 13=-60 (LC 11 LC 11), 13=-60 (LC 11 LC 10), 18=-43 (LC 10 (LC 8) LC 10), 13=123 (LC 16 LC 1), 13=123 (LC 18 LC 1), 15=171 (LC 18 LC 1), 15=171 (LC 18 LC 20), 17=175 (LC 1 LC 17), 20=159 (LC 2 LC 17), 22=117 (LC 7	d or 0-0, 0-0, 0-0, 0-0, ), ), ), ), ), 7), 7), 7),	<ul> <li>WEBS 6</li> <li>NOTES</li> <li>1) Unbalanced this design.</li> <li>2) Wind: ASCE Vasd=91mph II; Exp B; En and C-C Exta exposed; en members an Lumber DOL</li> <li>3) Truss design only. For stu see Standard or consult qu</li> <li>4) Gable studes</li> <li>5) This truss ha chord live loa</li> <li>6) * This truss ho on the bottor 3-06-00 tall b chord and ar</li> <li>7) Provide meci</li> </ul>	S-16=-245/0, 5-17 3-20=-121/61, 2-2 3-14=-125/64, 9-1 roof live loads ha 7-10; Vult=115m ; TCDL=6.0psf; f closed; MWFRS i end for wind load: d vertical left and d forces & MWFR =1.60 plate grip hed for wind load: ds exposed to wid alified building d spaced at 2-0-00 s been designed an onconcurrent has been designed be an onconcurrent has been designed an onconcurrent has been designed an onconcurrent has been designed an onconcurrent has been designed be an onconcurrent has been designed be an onconcurrent has been designed be an onconcurrent has been designed be an onconcurrent has be an onconcurent has be an on	=-136/62 1=-172/8 3=-106/7 ve been of ph (3-sec 3CDL=6.0 (envelope display=0.5 so for rea DOL=1.33 s in the pl nd (norm: End Detai signer as so for a 10.0 with any d for a live as where vill fit betw so not be the sec	, 4-18=-121/6 2, 7-15=-133, 2, 10-12=-17 considered for ond gust) ppsf; h=30ft; ( ) exterior zom ft and right osed;C-C for ctions shown; ane of the tru al to the face) Is as applicat per ANSI/TF ppsf bottom other live load e load of 20.0 a rectangle reen the bottoc	66, (60, 1/59 Cat. e Ss , ble, 21 1. ds. psf om				und C	AP-111
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Cor Tension 1-22=-74/127, 1-2= 3-4=-40/177, 4-5=- 6-7=-84/183, 7-8=- 9-10=0/123, 10-11: 21-22=-103/47, 10- 13-20=-103/47, 16- 15-16=-103/47, 12- 15-16=-103/47, 12- 11-12=-103/47	npression/Maximum -103/222, 2-3=-64/18; 45/189, 5-6=-84/188, 45/165, 8-9=-5/140, 27/155 21=-103/47, 19=-103/47, 15=-103/47, 13=-103/47, 13=-103/47,	2,	bearing plate joint 22, 37 lk lb uplift at joi joint 15, 37 lk 21 lb uplift at 8) Non Standar 9) This truss is International R802.10.2 ar LOAD CASE(S)	capable of withs o uplift at joint 17, nt 20, 93 lb uplift o uplift at joint 14, joint 12. d bearing conditii designed in accoo Residential Code of referenced sta Standard	tanding 1 43 lb upl at joint 21 60 lb upl on. Revie rdance wi sections ndard AN	84 lb uplift at ift at joint 18, , 37 lb uplift a fift at joint 13 a w required. th the 2015 R502.11.1 at SI/TPI 1.	31 at and			The second secon	SEA 155 NGIN	AL AL BAUTIN

May 19,2020

![](_page_27_Picture_10.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	G	Jack-Closed	12	1	Job Reference (optional)	380

Loading

TCDL

BCLL

BCDL

WEBS

WEBS NOTES

2)

3)

WEDGE

Run: 8.33 S. Mar 23 2020 Print: 8.330 S. Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:52 ID:GljJ0h38ADHwzVAkzxJZZmzEzac-t9kZCcnjMxJ19ladokPcYseohEEoQs\_2hqbS2LzEz45

Page: 1

![](_page_28_Figure_4.jpeg)

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 4 and 29 lb uplift at joint 1.

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🙏 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

![](_page_28_Picture_9.jpeg)

Þ

Job	Truss	Truss Type	Qty	Ply		
20-045195T	G1	Roof Special Girder	1	2	Job Reference (optional)	T20252381

![](_page_29_Figure_2.jpeg)

Page: 1

![](_page_29_Figure_4.jpeg)

2-10-7

![](_page_29_Figure_6.jpeg)

![](_page_29_Figure_7.jpeg)

Scale = 1:32.1

			i											
Load	lina	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	(roof)	20.0	Plate Grip DOL	1.00		тс	0.17	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCD	L	10.0	Lumber DOL	1.15		BC	0.30	Vert(CT)	-0.03	4-5	>999	180		
BCLL	_	0.0*	Rep Stress Incr	NO		WB	0.21	Horz(CT)	0.01	4	n/a	n/a		
BCD	L	10.0	Code	IRC201	5/TPI2014	Matrix-MS		. ,					Weight: 99 lb	FT = 20%
LUM	BER	· ·		5)	* This truss h	as been designed	for a liv	e load of 20.0	)psf					
TOP	CHORD	2x4 SP No.2			on the bottor	n chord in all areas	where	a rectangle						
BOT	CHORD	2x6 SP No.2			3-06-00 tall t	y 2-00-00 wide will	fit betw	een the botto	om					
WEB	S	2x4 SP No.3		6)	Chord and an	ly other members.		octions						
BRA	CING			. 7)	This trues is	designed in accord	ance wi	ith the 2015						
TOP	CHORD	6-0-0 oc purlins, exc	athing directly applie cept end verticals.	d or ''	International	Residential Code s	ections	R502.11.1 a	nd					
BOT	CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	8)	Hanger(s) or	other connection d	levice(s	) shall be						
REA	CTIONS	(size) 1=0-3-8, 4	l= Mechanical		provided suff	ICIENT to Support co	oncentra	ted load(s) 3	10 15					
		Max Horiz 1=78 (LC	5)		down at 7-0	-0-12, 310 10 00WN	al 5-0- /// at 0.	-12, and $3101$	un m					
		Max Grav 1=986 (LC	C 1), 4=1045 (LC 1)		chord The	lesign/selection of	such co	nnection dev	ice					
FOR	CES	(lb) - Maximum Com	pression/Maximum		(s) is the res	oonsibility of others								
TOP			6/6 2 /- 109/20	LC	DAD CASE(S)	Standard								
BOT	CHORD	1-10-0/1657 10-11-	-0/1657 5-11-0/165	, 1)	Dead + Roo	of Live (balanced): I	Lumber	Increase=1.1	15,					
001	ONORD	5-12=0/1657 12-13=	=0/1657, 3 11=0/165 =0/1657, 4-13=0/165	7	Plate Increa	ise=1.00								
WEB	S	2-4=-1704/0. 2-5=0/7	731		Uniform Loa	ads (ID/ft)								
NOT	-	,			Vert: 1-3	=-60, 1-4=-20								
1) 2	-nlv truss	s to be connected toget	her with 10d		Vort: 10-	210 (E) 11- 210 (	(E) 12_	210 (E) 12	212					
., _	0 131"x3'	") nails as follows:			(E)	-310 (F), 11=-310 (	(Γ), ΙΖ=	-310 (F), 13=	-312					
Ť	op chord	ls connected as follows	: 2x4 - 1 row at 0-9-0	0	(1)									
C														Um.
E	Bottom ch	ords connected as follo	ows: 2x6 - 2 rows										W'ILC	AD
S	taggered	at 0-9-0 oc.											"aTH U	200111
V	Veb conn	ected as follows: 2x4 -	1 row at 0-9-0 oc.									~	OFFE	STO ALL
2) A	All loads a	are considered equally	applied to all plies,									3.	2.0	Ni. 7 -
e	except if n	noted as front (F) or bac	ck (B) face in the LO	AD								-		est: 2
	ASE(S)	section. Ply to ply conn	nections have been									-	1	1 N E
4	nloss oth	o ulstribute only loads i	noted as (F) of (B),									-	: SE	AL : =
3) V	Vind: AS(	CF 7-10: Vult=115mph	(3-second dust)										155	344 E
۰, ۱	/asd=91n	nph: TCDL=6.0psf: BC	DL=6.0psf: h=30ft: C	at.								-	: 100	
II; Exp B; Enclosed; MWFRS (envelope) exterior zone:												1	A	1. 2
С	antilever	left and right exposed	; end vertical left and	ł								5.	2. ENG	- CRINI
ri	ight expo	sed; Lumber DOL=1.60	0 plate grip DOL=1.3	3								1	GINGIN	VEEDAN
4) T	his truss	has been designed for	a 10.0 psf bottom										1, MAG	ALDIN
С	nord live	load nonconcurrent wit	th any other live load	IS.									1110	A
													2000	May 40 0000

A. AL May 19,2020

![](_page_29_Picture_13.jpeg)

![](_page_29_Picture_14.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	н	Jack-Closed	18	1	Job Reference (optional)	20252382

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:52 ID:OH4ePKLJ?ONKy796mSZu00zEzNK-I9kZCcnjMxJ19ladokPcYsemtECWQq22hqbS2LzEz45

Page: 1

![](_page_30_Figure_4.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	HG	Jack-Closed Supported Gable	2	1	Job Reference (optional)	T20252383

2)

3)

Run: 8.33 S. Mar 23 2020 Print: 8.330 S. Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:53 ID:VnMZ8mVTxN0U07fc1hlx1lzEzN7-LLIxQynL7FRumR9qMRwr43AqoeWM9MdCvUK0bozEz44

Page: 1

![](_page_31_Figure_4.jpeg)

![](_page_31_Picture_5.jpeg)

Job	Truss	Truss Type	Qty	Ply	
20-045195T	I	Common	10	1	T20252384 Job Reference (optional)

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:53 ID:jPNGq5J\_JfEZrnOBdPSLRgzEzJV-LLIxQynL7FRumR9qMRwr43A?fef49M8CvUK0bozEz44

Page: 1

![](_page_32_Figure_5.jpeg)

![](_page_32_Figure_6.jpeg)

Scale = 1:37.9

## Plate Offsets (X, Y): [1:0-0-7,0-0-2], [1:0-0-4,Edge], [3:0-0-7,0-0-2], [3:0-0-4,Edge]

		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	1.00		тс	0.27	Vert(LL)	0.02	4-9	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15		BC	0.20	Vert(CT)	-0.03	4-9	>999	180			
BCLL	0.0*	Rep Stress Incr	YES		WB	0.07	Horz(CT)	0.00	3	n/a	n/a			
BCDL	10.0	Code	IRC201	5/TPI2014	Matrix-MS							Weight: 56 lb	FT = 20%	
									-			, v		
LUMBER			5)	Provide mec	hanical connection	on (by othe	ers) of truss	to						
TOP CHORD	2x4 SP No.2			bearing plate	capable of with	standing 1	1 lb uplift at	joint						
BOT CHORD	2x4 SP No.2			1 and 11 lb u	plift at joint 3.									
WEBS	2x4 SP No.3		6)	This truss is	designed in acco	ordance wi	th the 2015							
WEDGE	Left: 2x10 SP 2250F	1.9E or DSS or SS	_	International	Residential Cod	e sections	R502.11.1 a	and						
	Right: 2x10 SP 2250	IF 1.9E or DSS or SS	5	R802.10.2 ar	nd referenced sta	andard AN	SI/TPI 1.							
BRACING			LC	DAD CASE(S)	Standard									
TOP CHORD	D Structural wood sheathing directly applied or 6-0-0 oc purlins.													
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc												
REACTIONS	(size) 1=0-3-8, 3	3=0-3-8												
	Max Horiz 1=-81 (LC	; 8)												
	Max Uplift 1=-11 (LC	: 10), 3=-11 (LC 11)												
	Max Grav 1=500 (LC	C 1), 3=500 (LC 1)												
FORCES	(lb) - Maximum Com Tension	pression/Maximum												
TOP CHORD	1-2=-419/71, 2-3=-4	19/71												
BOT CHORD	1-4=-63/279, 3-4=0/2	279												
WEBS	2-4=0/196													
NOTES														
1) Unbalance	ed roof live loads have	been considered for										, mm	11111	
this design	າ.											I''THC	ARA	
2) Wind: ASC	CE 7-10; Vult=115mph	(3-second gust)										"all		
Vasd=91m	nph; TCDL=6.0psf; BC	DL=6.0psf; h=30ft; C	at.								3	0'15	STOLA	
II; Exp B; E	Enclosed; MWFRS (en	velope) exterior zon	е								2.	200	1.7%	
and C-C E	Exterior (2) zone; cantile	ever left and right									-		OK: 1	2
exposed ;	end vertical left and rig	ght exposed;C-C for									-			1
members	and forces & MWFRS	for reactions shown;										: SE	AL :	Ξ
Lumber D	OL=1.60 plate grip DO	L=1.33										155	:11	=
3) This truss	has been designed for	r a 10.0 psf bottom									2	: 150		-
chord live	load nonconcurrent with	th any other live load	ls.								=	1. C	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-
<ol><li>4) * This trus</li></ol>	s has been designed for	or a live load of 20.0	psf								3	2.2	ains	
on the bot	tom chord in all areas	where a rectangle									1	NGI	VEENSY	
3-06-00 ta	II by 2-00-00 wide will	fit between the botto	m								1	Un	Bris	
chord and	any other members.											AS	A ALIN	
												11111	un u	
													1111	

May 19,2020

![](_page_32_Picture_12.jpeg)

Job	Truss	Truss Type	Qty	Ply		
20-045195T	IG	Common Supported Gable	2	1	Job Reference (optional)	)252385

Run: 8.33 S Mar 23 2020 Print: 8.330 S Mar 23 2020 MiTek Industries, Inc. Tue May 19 10:27:53 ID:XZIX59OluV?iZirLzfZlhxzEzJP-LLIxQynL7FRumR9qMRwr43A2pehd9MxCvUK0bozEz44 Page: 1

![](_page_33_Figure_4.jpeg)

1-0-0

11-6-0

#### Scale = 1:37.9

Loa TCL TCE BCL BCE	ding .L (roof) DL .L DL		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2015	5/TPI2014	CSI TC BC WB Matrix-MS	0.13 0.10 0.09	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 59 lb	<b>GRIP</b> 244/190 FT = 20%	
-UN FOF 301 201 301 301 301 301	ACTIONS	2x4 SP N 2x4 SP N 2x4 SP N Structura 10-0-0 oc Rigid ceil bracing. (size) Max Horiz Max Uplift Max Grav	0.2 0.2 0.3 wood shea purlins. ing directly 8=10-6-0, 11=10-6-0 12=-81 (L0 8=-23 (LC 11=-59 (L0 8=251 (L0 10=282 (L 10=2251 (L	athing directly applied applied or 6-0-0 oc 9=10-6-0, 10=10-6-0 0, 12=10-6-0 C 6) 10), 9=-58 (LC 11), C 10), 12=-25 (LC 11 ; 22), 9=171 (LC 18), C 1), 11=172 (LC 17 C 21)	Gable studs a This truss ha chord live loa * This truss h on the bottom 3-06-00 tall b chord and an Provide mech bearing plate 11, 25 lb upli uplift at joint a Non Standard This truss is a International R802.10.2 ar	spaced at 2-0-0 oc s been designed fi d nonconcurrent v as been designed n chord in all areas y 2-00-00 wide wil y other members. anical connection capable of withsta ft at joint 12, 58 lb 3. d bearing condition designed in accorc Residential Code and referenced stan Standard	2. or a 10.0 vith any for a live s where Il fit betw (by othe anding 5 uplift at n. Revie dance wi sections dard AN	) psf bottom other live load e load of 20.0 a rectangle reen the botto ers) of truss tr 9 lb uplift at jo joint 9 and 23 w required. th the 2015 R502.11.1 at SI/TPI 1.	ds. )psf om oint 3 lb							
-OF	RCES	(lb) - Max Tension	imum Com	pression/Maximum												
ΓOF	P CHORD	1-2=-24/1 4-5=-4/15	64, 2-3=0/1 0, 5-6=0/14	147, 3-4=-4/151, 46, 6-7=-23/163												
301	CHORD	1-12=-110 9-10=-110	6/43, 11-12 5/42, 8-9=-´	=-115/42, 10-11=-11 115/42, 7-8=-115/42	5/42,										11	
NEI	BS	4-10=-23 5-9=-134/	5/0, 3-11=- <sup>-</sup> 73, 6-8=-15	135/73, 2-12=-156/65 56/65	5,									"TH C	AROUN	
101	TES												5	OR	Sid. MALL	
I)	Unbalance	ed roof live l	oads have	been considered for									5.	2	This 7 -	
	this design	1.	1. 44 Fac. 1	(0									-		E Y: ?	1
<u>(</u> )	wind: ASC	∠E 7-10; Vu	it=115mph	(3-second gust)									2			-

2) Wind: ASCE 7-10; Vult=115mpn (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33

 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. SEAL 15544 May 19,2020

![](_page_33_Picture_12.jpeg)

![](_page_34_Figure_0.jpeg)