

RE: 23030004-01 Abby plan Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:Customer: CRH HomesProject Name: 23030004-01Lot/Block:Model:Address:Subdivision:City:State: NC

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

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 40.0 psf Design Program: MiTek 20/20 8.5 Wind Speed: 130 mph Floor Load: N/A psf

This package includes 58 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	157188459	A1	3/16/2023	21	157188479	C4	3/16/2023
2	157188460	A1E	3/16/2023	22	157188480	C5	3/16/2023
3	157188461	A2	3/16/2023	23	157188481	C6	3/16/2023
4	157188462	A2GR	3/16/2023	24	157188482	C7	3/16/2023
5	157188463	B1GR	3/16/2023	25	157188483	CJ1	3/16/2023
6	157188464	B2	3/16/2023	26	157188484	CJ2	3/16/2023
7	157188465	B3	3/16/2023	27	157188485	CJ2T	3/16/2023
8	157188466	B4	3/16/2023	28	157188486	D1	3/16/2023
9	157188467	B5	3/16/2023	29	157188487	E1GR	3/16/2023
10	157188468	B6	3/16/2023	30	157188488	F1	3/16/2023
11	157188469	B7	3/16/2023	31	157188489	G1	3/16/2023
12	157188470	B8	3/16/2023	32	157188490	H1	3/16/2023
13	157188471	B9	3/16/2023	33	157188491	J1	3/16/2023
14	157188472	B10	3/16/2023	34	157188492	J2	3/16/2023
15	157188473	C1	3/16/2023	35	157188493	J2GR	3/16/2023
16	157188474	C1E	3/16/2023	36	157188494	J3	3/16/2023
17	157188475	C2G2	3/16/2023	37	157188495	J3T	3/16/2023
18	157188476	C2G3	3/16/2023	38	157188496	J4	3/16/2023
19	157188477	C2G4	3/16/2023	39	157188497	J4T	3/16/2023
20	157188478	C3	3/16/2023	40	157188498	J5	3/16/2023

The truss drawing(s) referenced above have been prepared by

Truss Engineering Co. under my direct supervision

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

Truss Design Engineer's Name: Gilbert, Eric

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

North Carolina COA: C-0844

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



Gilbert, Eric



RE: 23030004-01 - Abby plan

Trenco 818 Soundside Rd Edenton, NC 27932

Site Information:

Project Customer: CRH Homes Project Name: 23030004-01 Lot/Block: Subdivision: Address: City, County: State: NC

No.	Seal#	Truss Name	Date
41	157188499	J5T	3/16/2023
42	157188500	K1	3/16/2023
43	157188501	L1	3/16/2023
44	157188502	L2	3/16/2023
45	157188503	PB1	3/16/2023
46	157188504	PB2	3/16/2023
47	157188505	PB2-2	3/16/2023
48	157188506	PB2-3	3/16/2023
49	157188507	PB2GE	3/16/2023
50	157188508	V1	3/16/2023
51	157188509	V2	3/16/2023
52	157188510	V3	3/16/2023
53	157188511	V4	3/16/2023
54	157188512	V5	3/16/2023
55	157188513	V10	3/16/2023
56	157188514	V11	3/16/2023
57	157188515	V12	3/16/2023
58	157188516	V13	3/16/2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	A1	Roof Special	3	1	Job Reference (optional)	157188459

Scale = 1:67.6

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:23:46 ID:oR_jh3bKfcGye3j1uLNzBezaLQW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

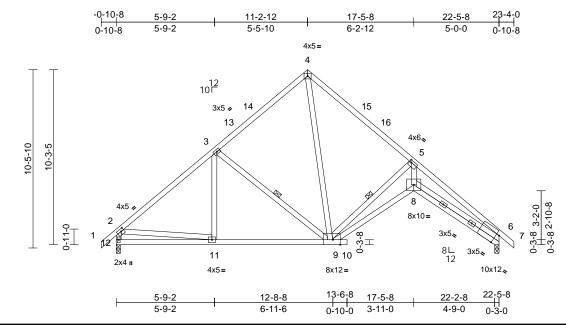


Plate Offsets (X, Y): [2:0-2-0,0-1-12], [5:0-1-4,0-1-8], [6:0-2-0,Edge], [9:0-5-4,Edge]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MSH	0.74 0.91 0.81	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.23 -0.44 0.39	(loc) 8 8 6	l/defl >999 >619 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 149 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.3 *Excep Right 2x4 SP No.3 Structural wood she 2-11-0 oc purlins, e Rigid ceiling directly bracing. 1 Row at midpt	- 6-0-5 athing directly applie xcept end verticals. applied or 10-0-0 or 3-9, 5-9 12=0-3-0 LC 12) 5 15), 12=-79 (LC 14	ed or c 3)	Vasd=103mp Cat. II; Exp E zone and C- 2-1-8 to 8-2- (1) 14-2-12 tr zone; cantile and right exp MWFRS for grip DOL=1.6 Plate DOL=1 DOL=1.15); Cs=1.00; Ct=	7-16; Pr=20.0 ps .15); Pf=20.0 psf s=1.0; Rough Cat	BCDL=6 RS (env 10-8 to 2 2-12 to 2E) 20-4 xposed hbers ar Lumber I (roof LI (Lum DC B; Fully	.0psf; h=25ft; elope) exterior -1-8, Interior - 14-2-12, Inter -0 to 23-4-0 ; end vertical d forces & DOL=1.60 pla :: Lum DOL= DL=1.15 Plate Exp.; Ce=0.5	or (1) rior left ate 1.15 9;					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	5)	This truss ha load of 12.0	s been designed f osf or 1.00 times f on-concurrent with	at roof l	oad of 20.0 ps						
TOF CHORD	4-5=-942/196, 5-6=- 2-12=-952/130			This truss ha	s been designed f	or a 10.) psf bottom	ds.					
BOT CHORD	11-12=-242/384, 9-1 8-9=-64/3130, 6-8=-		/0, 7)		as been designed			Opsf					unin,
WEBS	3-11=0/228, 3-9=-39 5-8=0/3230, 2-11=0/	97/188, 4-9=-104/57		3-06-00 tall b	n chord in all area y 2-00-00 wide wi y other members.	ll fit betv		m			- SI	ORTHUR	ROUT
NOTES 1) Unbalanc this desig	ed roof live loads have n.	been considered for	9)	using ANSI/I designer sho Provide mec bearing plate	nt(s) 6 considers PI 1 angle to grai uld verify capacity nanical connection at joint(s) 12, 6. nanical connection	n formul of bear n (by oth	a. Building ing surface. ers) of truss t	0		June 1		SEA 0363	• -

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 12 and 74 lb uplift at joint 6.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

818 Soundside Road Edenton, NC 27932

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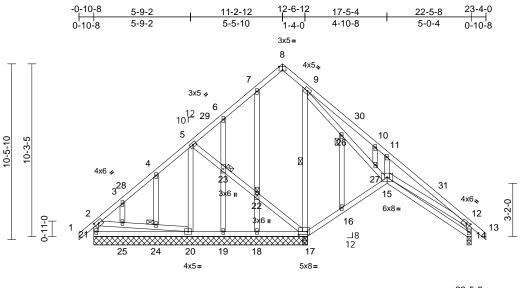
minin March 16,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and PCB Building Component Science Michael Component Advancing Component Advancing Component Advancing and PCB and Component Advancing Component Compone and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	A1E	Roof Special Structural Gable	1	1	Job Reference (optional)	157188460

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:48 ID:KEQLUjbiuI851v8rKeskfQzaLQX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



	5-9-2	12-8-8	ر 17-5-8 I	22-2-8 22-5-8	
	5-9-2	6-11-6	4-9-0	4-9-0 0-3-0	
Scale = 1:68.5				000	

Plate Offsets (X, Y): [2:0-2-14,0-2-0], [8:0-2-8,Edge], [12:0-2-12,0-1-8], [17:0-6-4,0-2-4]

Loading TCLL (roof) Snow (Pf) TCDL	(psf) 20.0 20.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	20044	CSI TC BC WB	0.41 0.24 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)		(loc) 14-15 14-15 14	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0* 10.0	Code	IRC2018/T	12014	Matrix-MSH							Weight: 185 lb	FT = 20%
	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing, Except: 10-0-0 oc bracing: 2 1 Row at midpt 1 Brace at Jt(s): 22, 23, 24, 26 (size) 14=0-3-0, 19=12-8-6 Max Horiz 21=262 (L Max Uplift 17=-215 (20=-48 (L Max Grav 14=338 (L 18=390 (L	applied or 6-0-0 oc 0-21,14-15. 9-17 17=12-8-8, 18=12-8 3, 20=12-8-8, 21=12- IC 13) IC 15), 19=-88 (LC 1 C 14), 21=-6 (LC 10)	NOTE 1) U tr 2) W 8, V 3-8 Z 4), (2 2), Z 1), M	S hbalanced is design. ind: ASCE asd=103m asd=100m asd=10	5-20=-174/43, 5-2 22-23=-118/114, ' 9-17=-667/35, 9-2 15-27=0/536, 11-' 2-25=-296/254, 2 20-24=-309/264, ' 7-22=-331/14, 18- 6-23=-105/110, 19 4-24=-73/58, 3-25 10-27=-124/34 roof live loads har 7-16; Vult=130m, oh; TCDL=6.0psf; 3; Enclosed; MWF C Corner(3E) -0-1 12, Corner(3E) 8- to 20-4-0, Corne ver left and right 6 cossed; C-C for mei reactions shown;	17-22=-1 6=0/659 15=-246/3 1-25=-29 12-15=-1 22=-329 3-23=-10 =-16/13, we been we been	17/111, 26-27=0/625 266, 3/255, 46/483, 17, 7/105, 16-26=0/71, considered fo cond gust) .0psf; h=25ft; elope) exteric 1-8, Exterior(: 4-2-12, Exter 4-0 to 23-4-0 ; end vertical d forces &	r 2N) ior left	bra 9) Gal 10) This cho 11) * Th on 1 3-0 cho 12) Bee usir des 13) Pro bea 21. 14) Ont rec UP upli 15) This	ced aga ble studs s truss h ord live lc nis truss the botto 6-00 tall ord and a aring at j ng ANSI, signer sh wide me aring pla e MECH ommeno LIFT at j fft only a s truss is ernationa	inst late s space as bee bad not has be orm cho by 2-0 by 2-0 by 2-0 iny oth ouny oth ouny oth ouny oth chanic te capa ANICA led to o t(s) 17, nd doe s desig al Resid	eral movement (i ed at 2-0-0 oc. an designed for a nconcurrent with een designed for rd in all areas wh 0-00 wide will fit er members. 14 considers par angle to grain for erify capacity of t al connection (by able of withstandi AL connector (BY connect truss to t , 20, and 19. This is not consider la ned in accordance	any other live loads. a live load of 20.0ps here a rectangle between the bottom rallel to grain value mula. Building pearing surface. others) of truss to ng 6 lb uplift at joint OTHERS) pearing walls due to a connection is for teral forces. with the 2018 tions R502.11.1 and
FORCES	(lb) - Maximum Com Tension		· g 3) 1		ned for wind loads						11	TH CA	ROUT
TOP CHORD	1-2=0/39, 2-3=-141/ 4-5=-76/188, 5-6=-5 7-8=-42/105, 8-9=-2	4/182, 6-7=-13/237, 0/119, 9-10=-463/0, 2=-528/0, 12-13=0/39 4=-390/89	s o 4) T P D	e Standard consult qu CLL: ASCE ate DOL=1 OL=1.15);	Ids exposed to wi d Industry Gable B Ialified building de 7-16; Pr=20.0 ps 1.15); Pf=20.0 psf Is=1.0; Rough Ca	End Deta signer as f (roof LI (Lum DC	ils as applical s per ANSI/TF .: Lum DOL= 0L=1.15 Plate	ble, PI 1. 1.15		G	Ì	SEA 0363	L
	20-21=-24//353, 19- 18-19=-165/198, 17- 16-17=-259/350, 15- 14-15=-53/215	-18=-165/198,	5) U di 6) T lo o'	esign. his truss ha ad of 12.0 rerhangs n	=1.10 snow loads have as been designed psf or 1.00 times i on-concurrent with a 2x4 MT20 unless	for great flat roof le n other li	er of min roof bad of 20.0 ps ve loads.	live		100	A A A A A A A A A A A A A A A A A A A	SEA 0363	EER. KIN

March 16,2023

Continued on page 2 Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MTek connectors. This design is based only upon parameters and property incorporate this design is based only upon parameters and property incorporate this design into the overall building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	A1E	Roof Special Structural Gable	1	1	Job Reference (optional)	157188460
Carter Components (Sanford), Sa	anford, NC - 27332,	Run: 8.53 S Mar 9 2	023 Print: 8.	530 S Mar 9	2023 MiTek Industries, Inc. Wed Mar 15 08:23:48	Page: 2

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:48 ID:KEQLUjbiuI851v8rKeskfQzaLQX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard

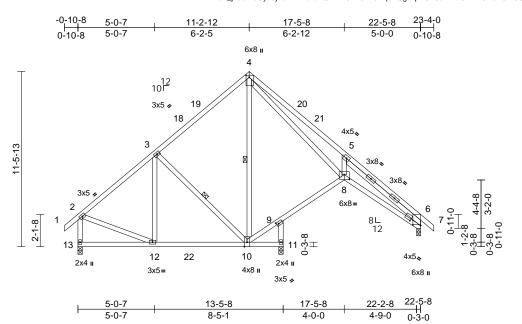
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job		Truss	Truss Type	Qty	Ply	Abby plan	
2303	30004-01	A2	Roof Special	2	1	Job Reference (optional)	157188461

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:23:49 ID:oR_jh3bKfcGye3j1uLNzBezaLQW-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale =	1:75.5
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Plate Offsets (X, Y): [4:0-1-8,0-2-8], [6:0-0-9,0-6-0], [6:0-9-0,0-1-8], [8:0-4-0,0-3-12], [9:0-1-13,0-1-8]

Loading TCLL (roof) Snow (Pf)	(psf) 20.0 20.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.56	DEFL Vert(LL) Vert(CT)	in -0.17 -0.29	(loc) 8 8	l/defl >660 >384	L/d 240 180	PLATES MT20	GRIP 244/190
TCDL	10.0	Rep Stress Incr	YES		WB	0.69	Horz(CT)	0.27	6	n/a	n/a		
BCLL BCDL	0.0* 10.0	Code	IRC2018	3/TPI2014	Matrix-MSH							Weight: 161 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.1 *Excep 11-9:2x4 SP No.3 2x4 SP No.3 *Excep Right 2x4 SP No.3 - Structural wood she 4-11-0 oc purlins, e Rigid ceiling directly bracing. 1 Row at midpt (size) 6=0-3-0, Max Horiz 13=-285 Max Uplift 6=-92 (LC 13=-74 (L	eathing directly applied except end verticals. v applied or 2-2-0 oc 3-10, 4-10 11=0-3-8, 13=0-3-8 (LC 12) C 15), 11=-1 (LC 14), C 14) C 25), 11=568 (LC 24)	or 3) 4) 5)	Vasd=103m Cat. II; Exp B zone and C- 3-6-14 to 9-8 15-8-2 to 21 cantilever lef right expose for reactions DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct: Unbalanced design. This truss ha load of 12.0	7-16; Vult=130mp oh; TCDL=6.0psf; J 3; Enclosed; MWF C Exterior(2E) 0-6 3-2, Exterior(2E) 2 t and right expose d;C-C for members shown; Lumber D 57-16; Pr=20.0 psf (1.15); Pf=20.0 psf (1	BCDL=6 RS (env -14 to 3- 8-2 to 1 21-9-6 tc d; end v s and fo OL=1.6(G (roof LL Lum DC B; Fully been cor or great at roof h	.0psf; h=25ft; elope) exteric 6-14, Interior 5-8-2, Interior 24-9-6 zone erertical left an rces & MWFR) plate grip .: Lum DOL=: L=1.15 Plate Exp.; Ce=0.\$ nsidered for th er of min roof pad of 20.0 ps	or (1) ; d 8.S 1.15 ; his live	LOAD	CASE(S) Sta	ndard	
FORCES	(lb) - Maximum Con Tension	npression/Maximum	6)		as been designed f ad nonconcurrent v			ds.					
TOP CHORD	1-2=0/39, 2-3=-772, 4-5=-1941/344, 5-6 2-13=-806/133	/139, 3-4=-539/217, =-579/152, 6-7=0/34,	7)	on the bottor 3-06-00 tall b	nas been designed m chord in all areas by 2-00-00 wide wi	s where Il fit betv	a rectangle	, om				TH CA	Rojin
BOT CHORD	8-9=-50/395, 6-8=-8	=-537/0, 9-10=0/719, 35/1690	8)	Bearing at jo using ANSI/	ny other members, int(s) 6 considers ITPI 1 angle to grain build verify capacity	parallel n formul	o grain value a. Building			4	i	OFESS	Mart
WEBS		-39/180, 3-10=-414/203 -285/324, 4-8=-188/16			hanical connection			0		-		SEA	L 1 E
NOTES	-		- /	bearing plate	e capable of withst					=			• –
 Unbalance this design 	ed roof live loads have n.	been considered for	10	connect trus	on Strong-Tie con s to bearing walls connection is for u	due to U	PLIFT at jt(s)	13		1111		0363	1

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component of component development properties.

11) This truss is designed in accordance with the 2018

International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

consider lateral forces.

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



GILB

March 16,2023

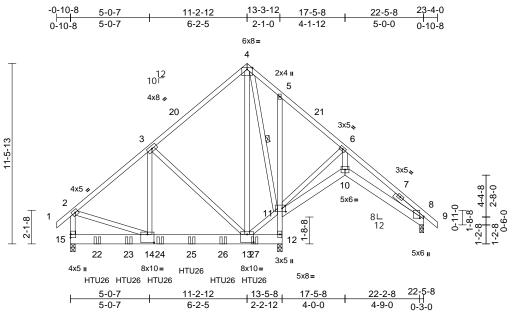
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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	A2GR	Roof Special Girder	1	2	Job Reference (optional)	157188462

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:23:50 ID:HifpAfRcPpy9QfUIQK69UBzaLPR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:73.3

Plate Offsets (X, Y): [8:0-1-5,0-2-15], [11:0-2-12,0-2-8], [13:0-5-0,0-6-0], [14:0-5-0,0-6-4]

Loading TCLL (roof) Snow (Pf) TCDL BCLL	(psf) 20.0 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO	8/TPI2014	CSI TC BC WB Matrix-MSH	0.64 0.77 0.93	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.13 0.01	(loc) 13-14 13-14 8	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190	
BCDL	10.0	Code	IKC201	0/1812014	Matrix-MSH							Weight: 407 lb	FT = 20%	
	5-9-8 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt (size) 8=0-3-0, 1 Max Horiz 15=-281 (Max Uplift 8=-112 (L 15=-355 (Max Grav 8=529 (L0 15=5266	lo.3 t* 13-4:2x4 SP No.2 - 2-5-0 athing directly applie cept end verticals. applied or 4-3-4 oc 4-11 12=0-3-8, 15=0-3-8 (LC 10) .C 13), 12=-284 (LC LC 13) C 23), 12=4667 (LC 2 (LC 5)	ed or 2) 3) 12), 4)	(0.131"x3") r Top chords o oc. Bottom chorr staggered at rows stagger Web connec All loads are except if note CASE(S) see provided to o unless other Unbalanced this design. Wind: ASCE Vasd=103mg Cat. II; Exp E zone; cantile	b be connected tog hails as follows: connected as follow ds connected as follow ds connected as follow ds connected as follows: 0.6-0 oc, 2x4 - 1 i red at 0-9-0 oc. ted as follows: 2x4 considered equall ed as front (F) or b ction. Ply to ply co distribute only load wise indicated. roof live loads hav 7-16; Vult=130mp ph; TCDL=6.0psf; 3; Enclosed; MWF	ws: 2x4 bollows: 2 row at 0 4 - 1 row ly applie pack (B) nnection s noted re been boh (3-see BCDL=6 BCDL=6 RS (env exposed	- 1 row at 0-9 x8 - 2 rows 9-0 oc, 2x6 - at 0-9-0 oc. d to all plies, face in the LC s have been as (F) or (B), considered fo cond gust) 0.0psf; h=25ft; elope) exteric ; end vertical	2 DAD r ; pr	usi des 11) Pro bee 8. 12) LG cor and cor 13) Thi Inte R8 14) Usi 11- spa end bot	ng ANSI signer sh ovide me aring plat T2 Simp nnect trus d 12. Thi nsider lat s truss is ernationa 02.10.2 a e Simpso 10dx1 1, aced at 2 d to 13-1 tom choi	/TPI 1 nould v chanic te capa son St ss to b s conn teral fo s desig al Resi and ref on Stro /2 Trus 2-0-0 o -14 to rd.	angle to grain foi erify capacity of I al connection (by able of withstand rong-Tie connect earing walls due ection is for uplif rces. Ined in accordand dential Code sec ferenced standar ong-Tie HTU26 (2 ss, Single Ply Gir c max. starting al connect truss(es	pearing surface. y others) of truss to ng 112 lb uplift at ji ors recommended to UPLIFT at jt(s) only and does no pe with the 2018 tions R502.11.1 ard d ANSI/TPI 1. 10-10d Girder, der) or equivalent 3-1-14 from the le	o joint d to 15 ot nd
FORCES	(lb) - Maximum Corr Tension	pression/Maximum		and right exp DOL=1.60	bosed; Lumber DO	L=1.60	plate grip		16) LG				studs in line belo	
TOP CHORD	1-2=0/39, 2-3=-4277 4-5=-366/292, 5-6=- 8-9=0/34, 2-15=-395	321/182, 6-8=-1116/		Plate DOL=1 DOL=1.15);	E 7-16; Pr=20.0 psf I.15); Pf=20.0 psf (Is=1.0; Rough Cat	(Lum DC	DL=1.15 Plate	•				OR TH CA	RO	
BOT CHORD	14-15=-253/370, 13- 12-13=-184/7, 11-12 5-11=-392/148, 10-1		6))/970	Cs=1.00; Ct= Unbalanced design.	=1.10 snow loads have b	been coi	nsidered for th	nis		4	i	O' FES		
WEBS	3-14=-189/3744, 4-1 3-13=-3209/375, 6-1 11-13=-159/1554, 4	13=-369/4034, 10=0/973, 6-11=-903	7) /134,	This truss ha load of 12.0 overhangs n	as been designed f psf or 1.00 times fl on-concurrent with	lat roof l o other li	oad of 20.0 p: ve loads.					SEA	•	Marina Marina
NOTES	2-14=-202/3269		8) 9)	chord live loa * This truss h	as been designed f ad nonconcurrent v nas been designed m chord in all area	with any I for a liv	other live loa e load of 20.0			1111		0363	22 - cRik S	IIIII.

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.

Continued on page 2 Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. WARNING Design valid for use only with MTek connectors. This design is based only upon parameters and property incorporate this design is based only upon parameters and property incorporate this design into the overall building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

GILB

A. GILDIN March 16,2023

C

Job	Truss	Truss Type		Qty	Ply	Abby plan	
23030004-01	A2GR	Roof Special Girder		1	2	Job Reference (optional)	157188462
Carter Components (Sanford), Sa	Run: 8.53 S Mar 9 2	023 Print: 8.	530 S Mar 9	2023 MiTek Industries, Inc. Wed Mar 15 08:23:50	Page: 2		

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:50 ID:HifpAfRcPpy9QfUIQK69UBzaLPR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate 1) Increase=1.15
 - Uniform Loads (lb/ft)

Vert: 1-2=-60, 2-4=-60, 4-9=-60, 12-15=-20, 10-11=-20, 10-16=-20

Concentrated Loads (lb)

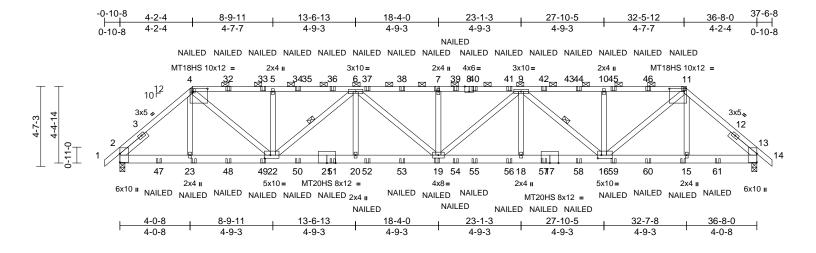
Vert: 22=-1686 (B), 23=-1701 (B), 24=-1230 (B), 25=-1230 (B), 26=-1230 (B), 27=-1230 (B)

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B1GR	Hip Girder	1	1	Job Reference (optional)	157188463

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:54 ID:OCxjv5bmLobJUf_ohZrCWxzaLPE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:66.3

Plate Offsets	(X, Y): [4:0-10-4,0-2-0], [8:0-3-0,Edge], [1	1:0-10-4,	0-2-0], [16:0-2-8	8,0-2-4], [22:0-4-0,0	0-2-4]								
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.84	Vert(LL)	-0.41	1 9	>999	240	MT20	244/190	
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.54	Vert(CT)	-0.63	19	>701	180	MT20HS	187/143	
TCDL	10.0	Rep Stress Incr	NO		WB	0.80	Horz(CT)	0.12	13	n/a	n/a	MT18HS	244/190	
BCLL	0.0*	Code	IRC20)18/TPI2014	Matrix-MSH									
BCDL	10.0											Weight: 243 lb	FT = 20%	
LUMBER				WEBS	4-23=-102/119, 4-	22=-108	7/3265,		10) H10)A Simp	son St	rong-Tie connect	ors recommended to	
TOP CHORD	2x4 SP No.1 *Excep 2.0E	t* 4-8,8-11:2x4 SP	2400F	5-22=-755/307, 6-22=-1914/661, 6-20=0/282, 6-19=-287/727, 7-19=-736/338,						connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not				
BOT CHORD	2x6 SP 2400F 2.0E				9-19=-269/676, 9-		,	3/675,		sider lat				
WEBS	2x4 SP No.3 *Excep				10-16=-743/301, 1	11-16=-1	093/3275,					ned in accordance		
_	22-4,22-6,19-6,19-9,				11-15=-104/119							dential Code sect erenced standard	ions R502.11.1 and	
SLIDER	Left 2x4 SP No.3 2	2-0-0, Right 2x4 SP		NOTES									s not depict the size	
	2-0-0				d roof live loads ha	ve been	considered fo	or						
BRACING	o , , , , , , ,			this design.		nh (2 aa			or the orientation of the purlin along the top and/or bottom chord.					
TOP CHORD	Structural wood she 2-4-15 oc purlins, ex		ed or		E 7-16; Vult=130m nph; TCDL=6.0psf;				13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d					
	2-0-0 oc purlins (2-4				B; Enclosed; MWF				(0.148"x3.25") toe-nails per NDS guidlines.					
BOT CHORD)C		ever left and right e				14) İn t	he LOAI	D ĆAS	E(S) section, load	Is applied to the face	
BOT ONORD	bracing.				posed; Lumber DC				of the truss are noted as front (F) or back (B).					
WEBS	0	6-22, 9-16		DOL=1.60					LOAD	CASE(S) Sta	ndard		
REACTIONS		,			E 7-16; Pr=20.0 ps								11	
	Max Horiz 2=100 (LC				=1.15); Pf=20.0 psf							"" CA	Dille	
	Max Uplift 2=-969 (L		: 13)		; Is=1.0; Rough Ca	t B; Fully	Exp.; Ce=0.9	9;			- 8	THUA	ROM	
	Max Grav 2=3016 (L	_C 19), 13=3025 (L0	C 20)	Cs=1.00; C 4) Unbalanced	d snow loads have	haan aa	ocidorod for t	hio		/	S	ONJESS	ich i'r	
FORCES	(lb) - Maximum Com	pression/Maximum		design.	a show loads have	been coi	Isidered for ti	115		4	è è	12	No. Ti	
	Tension			0	as been designed	for areat	er of min roof	live		-	Z		num	
TOP CHORD	1-2=0/59, 2-4=-3787	7/1247, 4-5=-5300/1) psf or 1.00 times					-			1 1 1 I I I	
	5-6=-5300/1733, 6-7				non-concurrent wit					_		SEA	L ; =	
	7-9=-7268/2397, 9-1			6) Provide ade	equate drainage to	prevent	water ponding	q.		=		0363	22 E	
	10-11=-5317/1739, ⁻ 13-14=0/59	11-13=-3799/1244,		7) All plates are MT20 plates unless otherwise indicated.								. 0000	: : :	
BOT CHORD		22 040/2040			as been designed						-	10 C	1 2	
BOTCHORD	20-22=-2218/6737, 22-				oad nonconcurrent						21	N. ENG	ERIX S	
	18-19=-2215/6777,				has been designe			Opsf			1	S, GIN	EL AN	
	15-16=-877/2850, 13			 (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c					1	CA C	II BEIN			
	,				any other members							1, A. G	L'IIII	
						•						A. G	16 2022	

March 16,2023

Page: 1

Continued on page 2
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and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B1GR	Hip Girder	1	1	Job Reference (optional)	157188463

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

Uniform Loads (lb/ft)

Vert: 1-4=-60, 4-11=-60, 11-14=-60, 24-28=-20 Concentrated Loads (lb)

- Vert: 23=-20 (F), 4=-143 (F), 19=-20 (F), 7=-143 (F), vert: 23=-20 (F), 4=-143 (F), 19=-20 (F), 7=-143 (F), 11=-143 (F), 15=-20 (F), 32=-143 (F), 33=-143 (F), 34=-143 (F), 36=-143 (F), 37=-143 (F), 38=-143 (F), 39=-143 (F), 40=-143 (F), 41=-143 (F), 42=-143 (F), 44=-143 (F), 45=-143 (F), 46=-143 (F), 47=-181 (F), 48=-20 (F), 51=-20 (F), 50=-20 (F), 51=-20 (F), 52=-20 (F), 53=-20 (F), 55=-20 (F), 56=-20 (F), 56=-20 (F), 56=-20 (F), 56=-20 (F), 59=-20 (F), 60=-20 (F), 61=-181 (F)

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:23:54 ID:OCxjv5bmLobJUf_ohZrCWxzaLPE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

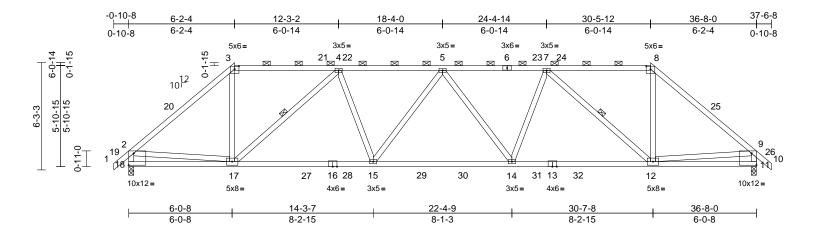
Page: 2

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B2	Нір	1	1	Job Reference (optional)	157188464

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:23:56 ID:gCEEXQerjrmO7g0o7BRvMUzaLQS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:67.3

bading	(psf)	Spacing	2-0-0		CSI	0.05	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
CLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.85	Vert(LL)		14-15	>999	240	MT20	244/190
now (Pf) CDL	20.0 10.0	Lumber DOL Rep Stress Incr	1.15 YES		BC WB	0.96 0.58	Vert(CT) Horz(CT)	-0.39 0.10	15-17 11	>999	180		
CLL	0.0*			8/TPI2014		0.58	Horz(CT)	0.10	11	n/a	n/a		
CDL	10.0	Code	IRC201	8/1912014	Matrix-MSH							Weight: 214 lb	FT = 20%
	10.0					(0)						Weight. 214 lb	11 = 2070
JMBER	0.40DN 0		2)		7-16; Vult=130mp oh; TCDL=6.0psf; E								
OP CHORD		** 40 40.0v4 00 No	4		3; Enclosed; MWFF								
OT CHORD EBS					C Exterior(2E) -0-1								
	2x4 SP No.3 *Excep	1 10-2,11-9.2X4 SP	N0.2		-8, Interior (1) 11-4			. ,					
RACING OP CHORD	10				10-8, Exterior(2E)								
	3-0-12 oc purlins, except end verticals, and				t and right exposed	l; end \	ertical left ar	nd					
	2-0-0 oc purlins (2-9		d;C-C for members			RS							
OT CHORD	Rigid ceiling directly				shown; Lumber Do	DL=1.60) plate grip						
	bracing.	DOL=1.60											
EBS	1 Row at midpt		CLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15										
					late DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate OL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;								
	Max Horiz 18=160 (L	.C 13)		Cs=1.00; Ct		D, I uny	Exp., 00=0.	σ,					
	Max Uplift 11=-172 (<i>,,</i>	ý 4)		snow loads have b	een cor	nsidered for th	his					
	Max Grav 11=1684 ((LC 44), 18=1684 (L	.C 44)	design.									
ORCES	(lb) - Maximum Com	pression/Maximum	5)		is been designed fo								
	Tension				psf or 1.00 times fla			sf on					
OP CHORD	1-2=0/67, 2-3=-2129		4,		on-concurrent with								
	4-5=-2765/290, 5-7=	,	6) 57 7)		quate drainage to p			g.					
	7-8=-1598/223, 8-9= 2-18=-1597/201, 9-1		67, 7)		is been designed fo ad nonconcurrent w			do					
OT CHORD	17-18=-250/600, 15-		8)		as been designed							11111 01	1111
	14-15=-342/2860, 12	,	0)		n chord in all areas			opsi				"TH UA	ROUL
	11-12=-184/491				by 2-00-00 wide wil			om			1.	A	the last
EBS	3-17=-50/1028, 4-17	=-1361/243,			ny other members,					4	22	2015-	Visit
	4-15=-12/546, 5-15=		9)	H10A Simps	on Strong-Tie conr	ectors	recommende	d to		-		in a	2
	5-14=-272/136, 7-14				s to bearing walls o					-			
	7-12=-1361/242, 8-1				connection is for u	plift onl	y and does n	ot			:	SEA	L : =
-	2-17=-191/1401, 9-1	2=-198/1401	4.0	consider late						=		0363	22 : =
OTES					designed in accord Residential Code			nd				0303	
	ed roof live loads have	been considered to	r		nd referenced stan			anu			-		1 2
this desigr	1.		11		rlin representation			size			2.	N. En	Rik S
					ation of the purlin a						21	S, GIN	EF. A.S
				bottom chore		5				CHILLING.	1	CA O	II BEIN
			LC	DAD CASE(S)	Standard							11, A. G	IL III
				(-)								201111	1111
												March	16,2023

or the orientation of the purlin along the top and/or bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B3	Нір	1	1	Job Reference (optional)	157188465

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:57 ID:ZzTINoiMm3HpcHKZM1WrWKzaLQO-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

37-6-8 0-10-8 4-2-14 8-2-4 14-10-13 21-9-3 28-5-12 32-5-2 36-8-0 4-2-14 3-11-6 6-8-9 6-10-5 6-8-9 3-11-6 4-2-14 3x5= 3x8= 5x6= 3x6= 5x6= 0-1-15 H 15 4 2324 5 25 4 6 7 2627 8 5 \boxtimes 7-8-12 10 4x5、 4x5 🖌 3 9 7-6-15 7-11-3 7-6-15 22 28 3x5 II 21 29 3x5 II 30 10 2²⁰ 0-11-0 Æ 1 11 19 12 П m Ø 18 17 16 31 15 14 13 3x6= 3x6= 3x8= 4x6= 3x5= 2x4 II 4x6= 3x8= 14-10-13 28-7-8 8-0-8 21-9-3 36-8-0 6-10-5 6-10-5 8-0-8 6-10-5 8-0-8

Scale = 1:67.5

Plate Offsets (X, Y): [4:0-3-0,0-2-1], [8:0-3-0,0-2-1]

		1										i	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.90 0.90 0.54	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.29 0.11	(loc) 15-16 15-16 12	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 238 lb	GRIP 244/190 FT = 20%
	2-0-0 oc purlins (2-2 Rigid ceiling directly bracing.	athing directly applie except end verticals, -0 max.): 4-8. applied or 10-0-0 oc 5-18, 7-16, 7-13, 3-1 9-12 19=0-3-8 LC 12) LC 15), 19=-167 (LC	d or and 9, 3) 14) ⁴⁾	Vasd=103m Cat. II; Exp I zone and C- 2-9-8 to 132 (2R) 23-3-8 zone; cantile and right exp MWFRS for grip DOL=1. TCLL: ASCE Plate DOL=: DOL=1.15); Cs=1.00; Ct: Unbalanced design.	7-16; Pr=20.0 ps 1.15); Pf=20.0 psf Is=1.0; Rough Cat	BCDL=6 RS (env 10-8 to 2 4-8 to 2 4-8 to 2 (2E) 33 xposed nbers ar Lumber I f (roof LL (Lum DC B; Fully been cor	.0psf; h=25ft elope) exterii -9-8, Exterioi -30-8, Exterioi -10-8 to 37-6; ; end vertical d forces & DOL=1.60 pla .: Lum DOL= DL=1.15 Plate Exp.; Ce=0.1 asidered for t	or r(2R) 					
FORCES	(lb) - Maximum Com Tension	pression/Maximum			psf or 1.00 times f on-concurrent with			sf on					
TOP CHORD	1-2=0/39, 2-3=-517/ 4-5=-1528/236, 5-7= 7-8=-1533/236, 8-9=	-2236/248,	6) 7) 30, 8)	Provide ade This truss ha chord live los * This truss l	quate drainage to as been designed f ad nonconcurrent nas been designed m chord in all area	prevent for a 10.0 with any I for a liv	water ponding opsf bottom other live loa e load of 20.1	ads.				WITH CA	Bound
BOT CHORD	18-19=-220/1446, 10 15-16=-200/2246, 13			3-06-00 tall I chord and ar	by 2-00-00 wide wind with the wind the second states of the second state	ill fit betw with BC	veen the bott DL = 10.0ps	f.		6	i	FESS	DA NA
WEBS NOTES 1) Unbalance this design	7-15=0/367, 7-13=-1 9-13=-177/216, 3-19 9-12=-1635/120 ed roof live loads have	16=0/350, 7-16=-106/ 1043/192, 8-13=-26/9 9=-1629/120,	39, 10	connect trus and 12. This consider late) This truss is International R802.10.2 a	designed in accor Residential Code nd referenced star Irlin representation ation of the purlin a	due to U uplift onl dance w sections ndard AN	PLIFT at jt(s) y and does n ith the 2018 ; R502.11.1 a ISI/TPI 1. ot depict the s) 19 ot and			A A A A A A A A A A A A A A A A A A A	SEA 0363	• –

LOAD CASE(S) Standard

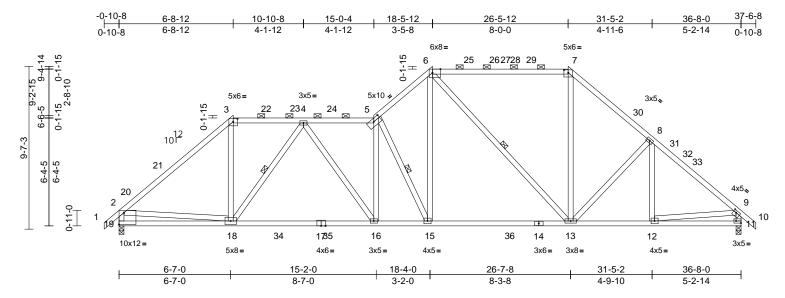


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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B4	Roof Special	1	1	Job Reference (optional)	157188466

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:58 ID:O7q0drm6Mv1zKCnjiHdFmbzaLQI-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale =	1:67.9
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Plate Offsets (X, Y): [3:0-3-0,0-2-1],	, [5:0-5-0,0-2-0], [6:0-5	-11,Edg	e], [7:0-3-0,0-2	-1], [9:0-2-0,0-1-8], [11:Ed	ge,0-1-8], [19	:Edge,0-	8-6]				
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.97 0.77 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.26 -0.45 0.07	(loc) 16-18 16-18 11	l/defl >999 >966 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 250 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 *Excep 2.0E 2x4 SP No.1 2x4 SP No.3 *Excep No.2 Structural wood she except end verticals (2-20 max.): 3-5, 6- Rigid ceiling directly bracing. 1 Row at midpt (size) 11=0-3-8, Max Horiz 19=-239 (Max Uplift 11=-82 (L	4-18, 5-15, 6-13 , 19=0-3-8 (LC 12)	, 3) 4) 4)	Vasd=103m Cat. II; Exp I zone and C- 2-9-8 to 10-2 (2R) 15-0-4 Exterior(2R) 33-10-8, Ext left and right exposed;C-C reactions sh DOL=1.60 TCLL: ASCE Plate DOL= DOL=1.15); Cs=1.00; Ct:	7-16; Vult=130mp ph; TCDL=6.0psf; 3; Enclosed; MWF C Exterior(2E) -0- i-12, Interior (1) 11 to 22-1-12, Interio 22-9-12 to 30-1-1 erior(2E) 33-10-8 exposed; end ve for members and wm; Lumber DOL 7-16; Pr=20.0 psf I.15); Pf=20.0 psf I.15); Pf=20.0 psf I.15); Rough Ca =1.10 snow loads have	BCDL=6 RS (env 10-8 to 2 0-4-12 to r (1) 22-' 2, Interic to 37-6-8 rtical left d forces 6 =1.60 pl f (roof LL (Lum DC t B; Fully	.0psf; h=25ft elope) exterid -9-8, Exterion 15-0-4, Exter -12 to 22-9-1 r (1) 30-1-12 2 zone; cantild and right & MWFRS for ate grip :: Lum DOL= DL=1.15 Plate Exp.; Ce=0.9	; (2R) rior 2, to ever 1.15 9;	LOAD	CASE(S)) Sta		r 1 = 20 <i>7</i> 6
FORCES	(lb) - Maximum Com Tension 1-2=0/67, 2-3=-2144 4-5=-2610/322, 5-6= 6-7=-1429/280, 7-8= 8-9=-2033/230, 9-10	hpression/Maximum 4/228, 3-4=-1595/240, =-2431/353,	5) 6) 7) 0,	This truss ha load of 12.0 overhangs n Provide ade This truss ha chord live loa	as been designed psf or 1.00 times f on-concurrent with quate drainage to as been designed ad nonconcurrent	flat roof len n other lin prevent for a 10.1 with any	bad of 20.0 p ve loads. water ponding psf bottom other live loa	sf on g. ds.				TH CA	ROL
BOT CHORD	9-11=-1603/214 18-19=-345/756, 16 15-16=-130/2601, 1 12-13=-43/1498, 11 3-18=-12/1110, 4-18	3-15=-42/1845, -12=-72/261	8) 9)	on the bottor 3-06-00 tall I chord and ar	nas been designed m chord in all area by 2-00-00 wide w ny other members on Strong-Tie cor	is where ill fit betw , with BC	a rectangle veen the bott DL = 10.0ps	om		U	ìà	SEA	Day 1
NOTES	4-16=-27/691, 5-16= 5-15=-1531/231, 6-1 6-13=-620/107, 7-13 8-13=-328/182, 8-12 2-18=-107/1347, 9-1 ed roof live loads have	=-373/90, 15=-135/1600, 3=-33/792, 2=-91/57, 12=-26/1273		connect trus and 11. This consider late) This truss is International R802.10.2 a	s to bearing walls connection is for real forces. designed in accor Residential Code nd referenced star irlin representation ation of the purlin	due to U uplift onl dance w sections ndard AN	PLIFT at jt(s) y and does no ith the 2018 s R502.11.1 at ISI/TPI 1. ot depict the s	19 ot ind		1111AA.		SEA 0363 MGINI A. G	22 EREALITY



818 Soundside Road Edenton, NC 27932

March 16,2023

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B5	Roof Special	1	1	Job Reference (optional)	157188467

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:23:59 ID:DHCHuurtxIn627Ft3Ykf?szaLQC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

37-6-8 0-10-8 4-8-12 8-10-8 13-0-4 20-5-12 24-5-12 30-5-2 36-8-0 4-1-12 7-5-8 4-8-12 4-1-12 4-0-0 5-11-6 6-2-14 5x6= 5x6= 27 27 27 4 0-1-15 6 7 11-0-3x6、 8 10-10-15 6-0-10 28 26 3x5、 5x10 🍫 29 12 10Γ 25 9 3x5= 11-3-3 5x6= 30 0-1-15 H 0-1-15 4-10-5 3 21 22 _234 24 5 20 4-8-5 4-8-5 2 10 0-11-0 1 11 12 19 ₿ 8 18 17 16 15 31 13 14 10x12= 10x12= 5x8= 3x6= 3x6= 5x8= 4x5= 3x5= 4-7-0 13-2-0 20-4-0 24-7-8 30-5-2 36-8-0 4 4-7-0 8-7-0 7-2-0 4-3-8 5-9-10 6-2-14 Scale = 1:72 Plate Offsets (X, Y): [3:0-3-0,0-2-1], [5:0-5-4,0-2-0], [6:0-3-0,0-2-1], [7:0-3-0,0-2-1], [12:Edge,0-8-6], [14:0-3-0,0-3-0], [19:Edge,0-8-6] 2-0-0 CSI DEFL L/d PLATES GRIP Loading (psf) Spacing in (loc) l/defl TC Plate Grip DOL TCLL (roof) 20.0 1.15 0.95 Vert(LL) -0.22 16-18 >999 240 MT20 244/190 40.40

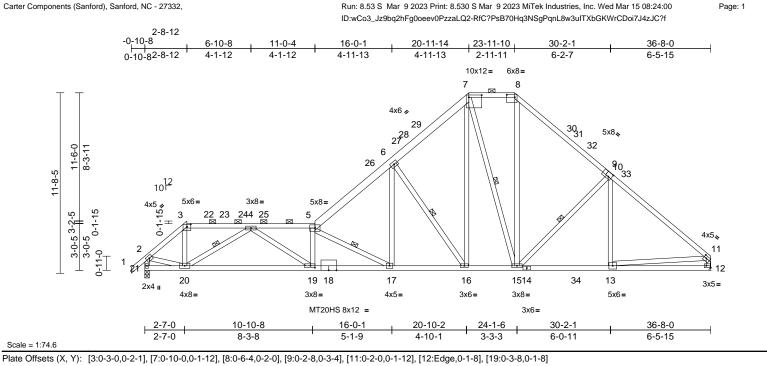
Snow (Pf) TCDL	20.0 10.0	Lumber DOL Rep Stress Incr	1.15 YES		BC WB	0.92 0.80	Vert(CT) Horz(CT)	-0.43 0.09	16-18 12	>999 n/a	180 n/a	
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH							
BCDL	10.0											Weight: 250 lb FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2 *Excep 2.0E 2x4 SP No.2 *Excep 2x4 SP No.3 *Excep	t* 17-14:2x4 SP No.1	2)	this design. Wind: ASCE Vasd=103m Cat. II; Exp E	roof live loads ha 7-16; Vult=130n ph; TCDL=6.0pst 3; Enclosed; MW	nph (3-seo ; BCDL=6 FRS (env	cond gust) 5.0psf; h=25ft; elope) exterio	r	or th	ne orient om chor	ation c d.	presentation does not depict the size of the purlin along the top and/or ndard
BRACING TOP CHORD	No.2 Structural wood shear except end verticals, (2-9-12 max.): 3-5, 6	, and 2-0-0 oc purlins		2-9-8 to 8-4- (2R) 16-9-12 Exterior(2E) right expose	C Exterior(2E) -0 12, Interior (1) 8- 2 to 28-1-12, Inter 33-10-8 to 37-6- d; end vertical le	4-12 to 16 rior (1) 28- 8 zone; ca eft and righ	6-9-12, Exterio -1-12 to 33-10 antilever left an at exposed;C-	or)-8, nd C				
BOT CHORD	Rigid ceiling directly bracing, Except: 2-2-0 oc bracing: 16		3)	Lumber DOL TCLL: ASCE	and forces & M ==1.60 plate grip 7-16; Pr=20.0 p	DOL=1.60 sf (roof LL) .: Lum DOL=1	1.15				
WEBS		4-18, 5-15, 6-14, 9-1	4		1.15); Pf=20.0 ps Is=1.0; Rough Ca							
REACTIONS	(size) 12=0-3-8, Max Horiz 19=278 (L Max Uplift 12=-97 (L Max Grav 12=1771 (.C 13) C 15), 19=-170 (LC 1	,	Cs=1.00; Ct Unbalanced design.		e been cor	nsidered for th	nis				
FORCES	(lb) - Maximum Com Tension	pression/Maximum	, 0,	load of 12.0	psf or 1.00 times	flat roof lo	bad of 20.0 ps					
TOP CHORD	1-2=0/68, 2-3=-2060 4-5=-3213/335, 5-6= 6-7=-1305/284, 7-9= 9-10=-2156/214, 10- 2-19=-1699/190, 10-	-2113/287, -1877/298, 11=0/39,	6) 7) 8) 9)	Provide adeo The Fabricat This truss ha chord live loa	quate drainage to tion Tolerance at as been designed ad nonconcurren has been designed	prevent joint 5 = 8 for a 10.0 t with any	water ponding 3% 0 psf bottom other live load	ds.			A LINE	H CARO
BOT CHORD	18-19=-281/445, 16- 15-16=-279/3195, 13 12-13=-115/334	18=-274/2438,	3)	on the bottor 3-06-00 tall b	m chord in all are by 2-00-00 wide when the member	as where will fit betv	a rectangle veen the botto	om		N. III		SEAL E
WEBS	3-18=-20/1037, 4-18 4-16=-62/1175, 5-16 5-15=-2004/314, 6-1 6-14=-509/130, 7-14	=-642/146, 5=-97/1260,	10) H10A Simps connect trus	son Strong-Tie co s to bearing walls connection is for	nnectors s due to U	recommendeo PLIFT at jt(s)	d to 19		THE DEST		036322
NOTES	9-14=-470/210, 9-13 10-13=0/1315		95, 11) This truss is International	designed in acco Residential Cod nd referenced sta	e sections	8 R502.11.1 a	nd				A. GILBERT

March 16,2023

Page: 1

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B6	Piggyback Base	1	1	Job Reference (optional)	157188468



						1, 1							
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.94	Vert(LL)	-0.30		>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.89	Vert(CT)	-0.56		>786	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	YES		WB	0.89	Horz(CT)	0.50	19-20	>780 n/a	n/a	101120113	10//143
		1 '				0.75		0.11	12	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 269 lb	FI = 20%
LUMBER			1	Unbalanced	roof live loads ha	ve been	considered for	r	13) Thi	s truss is	s desig	ned in accordance	ce with the 2018
TOP CHORD	2x4 SP No.2 *Excep	ot* 5-7:2x6 SP No 2		this design.				•					tions R502.11.1 and
BOT CHORD	2x4 SP No.1	N 0 1.2X0 01 110.2	2		7-16; Vult=130m	ph (3-sec	cond aust)					erenced standar	
WEBS		ot* 16-7,15-7,15-8:2x4			ph; TCDL=6.0psf;								es not depict the size
WEbb	No.2	x 101,101,100.2x1	01		B; Enclosed; MWF							of the purlin along	
BRACING	110.2				C Exterior(2E) -0-					tom cho			g the top and of
TOP CHORD		مناميم والمعملان مصعالهما			to 6-4-12, Interior					CASE(S		ndard	
TOP CHORD		athing directly applied , and 2-0-0 oc purlins	,		17-3-14 to 27-7-1				LUAD	SASE(S) 31a	nuaru	
	(2-4-2 max.): 3-5, 7-				terior(2E) 32-10-4								
	(, ,				t exposed ; end ve								
BOT CHORD	Rigid ceiling directly	applied or 6-0-0 oc			C for members an			r					
	bracing.		-	reactions sh	own; Lumber DOI	L=1.60 pl	ate grip						
WEBS	1 Row at midpt	4-20, 6-16, 7-15, 10-1 5-17	5,	DOL=1.60									
			3	TCLL: ASCE	E 7-16; Pr=20.0 ps	sf (roof Ll	.: Lum DOL=1	1.15					
REACTIONS	· /	nanical, 21=0-3-8		Plate DOL=	1.15); Pf=20.0 psf	(Lum DC	L=1.15 Plate	•					
	Max Horiz 21=284 (I				Is=1.0; Rough Ca								
		.C 15), 21=-171 (LC 14		Cs=1.00; Ct	=1.10		•						
	Max Grav 12=1761	(LC 53), 21=1736 (LC	53) 4	Unbalanced	snow loads have	been cor	nsidered for th	nis					
FORCES	(lb) - Maximum Corr	pression/Maximum		design.									
	Tension		5	This truss ha	as been designed	for great	er of min roof	live					
TOP CHORD	1-2=0/69, 2-3=-1932	2/159, 3-4=-1398/151,		load of 12.0	psf or 1.00 times	flat roof le	bad of 20.0 ps	sf on					
	4-5=-4735/373, 5-6=	-3095/301,		overhangs n	on-concurrent wit	h other li	ve loads.					minin	11111
	6-7=-2036/316, 7-8=	-1317/284,	6	Provide ade	quate drainage to	prevent	water ponding	q.				White CA	Dalle
	8-10=-1905/293, 10	-11=-2221/205,	7	All plates ar	e MT20 plates unl	ess othei	wise indicated	d.				"aTH OF	no y
	2-21=-1766/157, 11	-12=-1655/159	8	This truss ha	as been designed	for a 10.	0 psf bottom				1	OFFESS	K. An
BOT CHORD	20-21=-280/272, 19			chord live lo	ad nonconcurrent	with any	other live load	ds.				OFLOY	A T
	17-19=-439/4777, 1	6-17=-185/2356,	9	* This truss	has been designe	d for a liv	e load of 20.0	Opsf			1)		1 ng mg
	15-16=-8/1440, 13-1	15=-51/1641,			m chord in all area			•					
	12-13=-83/272			3-06-00 tall	by 2-00-00 wide w	vill fit betw	veen the botto	om		-		SEA	1 1 2
WEBS	3-20=-24/1035, 4-20)=-2183/229,		chord and a	ny other members	s, with BC	DL = 10.0psf.	i.		=		0000	
	4-19=-60/1814, 5-19		1	0) Refer to gird	ler(s) for truss to t	russ conr	nections.					0363	22 : 3
	6-16=-1563/304, 7-1		1	1) Provide med	chanical connectio	n (by oth	ers) of truss to	0		-		.	1 S
	7-15=-457/109, 8-15				e capable of withs						-	1. A.	- 1 S -
	10-15=-543/224, 10	,		12.		5	,				11		-FR. A S
	2-20=-38/1476, 11-1		1	2) H10A Simps	son Strong-Tie cor	nnectors	recommended	d to			1	S. GIN	EF R N
	6-17=-88/1514, 5-17	7=-2801/289			s to bearing walls						1	C A	BEN
NOTES					tion is for uplift on							11, A. G	11-111
				lateral forces								11111	
													40.0000

March 16,2023

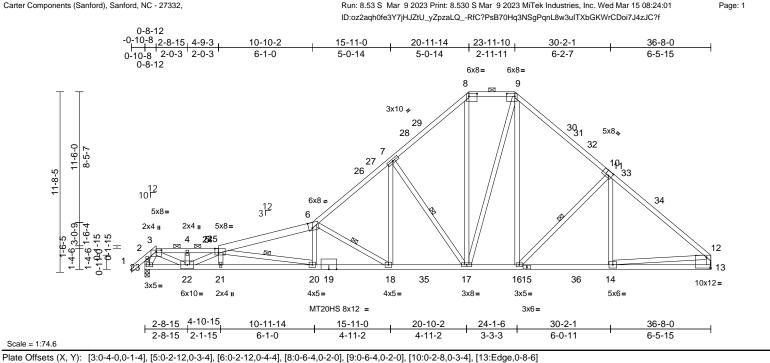
818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B7	Piggyback Base	1	1	Job Reference (optional)	157188469

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08;24:01

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



- 1000 0110010 ()	(, ,)): [ele : ele : i];	[0:0 2 :2;0 0 :]; [0:0	2 .2,0], [0			2 0,0 0 1], [10	ago,a	0 01					
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2	2014 CSI TC BC WB Matr	0.97 0.85 0.79 ix-MSH	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.41 -0.72 0.13	(loc) 20-21 20-21 13	l/defl >999 >609 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS Weight: 261 lb	GRIP 244/190 187/143 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	No.1 2x4 SP No.3 *Excep 17-8,17-9,16-9,22-3 23-2:2x4 SP No.1	*Except* 19-15:2x4 \$ ot* ,22-5:2x4 SP No.2,		6-18=- 7-17=- 9-17=- 11-16= 12-14= 4-22=- 3-23=-	/161, 5-20=-1400/23 3017/489, 7-18=-17 1563/361, 8-17=-20 118/482, 9-16=-106, -548/226, 11-14=-3 -41/1434, 3-22=-50 263/73, 5-22=-3001, 1508/211	D/1608, 1/1052, /544, D/213, 2/3234,		on t 3-00 cho 10) Ref 11) Pro bea 13. 12) H10	he botto 6-00 tall rd and a er to girc vide meo ring plat 0A Simps	m cho by 2-0 ny oth der(s) f chanic e capa son St	rd in all areas w 10-00 wide will fit er members, wit for truss to truss al connection (b able of withstanc rong-Tie connect	y others) of truss ling 80 lb uplift at tors recommende	tom sf. to joint ed to
TOP CHORDStructural wood sheathing directly applied, except end verticals, and 2-0-0 cc purlins (2-8-14 max.): 3-5, 8-9.BOT CHORDRigid ceiling directly applied or 7-10-10 oc bracing.WEBS1 Row at midpt5-20, 6-18, 7-17, 11-16 REACTIONS (size)13= Mechanical, 23=0-3-8 Max HorizMax Uplift13=-80 (LC 15), 23=-171 (LC 14) Max Grav13=1787 (LC 57), 23=1776 (LC 57)			1) Unb this c 2) Win Vas 16 Cat. zon 4-4- 4) Inte	1) Unbalanced roof live loads have been considered for this design.						nd does not consid ce with the 2018 titions R502.11.1 a rd ANSI/TPI 1. es not depict the	der and		
FORCES	(lb) - Maximum Com Tension	pression/Maximum	forc		or reactions shown;			20/12 (. ,				
TOP CHORD	1-2=0/70, 2-3=-293/ 4-5=-3710/604, 5-6= 6-7=-3161/540, 7-8= 8-9=-1458/446, 9-11 11-12=-2258/381, 2: 12-13=-1681/322 22-23=-232/919, 21	=-5227/775, =-2064/499, I=-1938/466, -23=-358/162,	3) TCL Plat DOI Cs= 4) Unb desi	L: ASCE 7-16; e DOL=1.15); F _=1.15); Is=1.0 1.00; Ct=1.10 alanced snow gn.	Pr=20.0 psf (roof LL Pf=20.0 psf (Lum DC ; Rough Cat B; Fully loads have been cor	DL=1.15 Plate Exp.; Ce=0.9 Insidered for the	; is		4	ÌÌ	ORTH CA	ROLINI	N
BOT CHOKD	22-23=-232/919, 21 20-21=-872/6375, 1 17-18=-211/2401, 1 14-16=-148/1670, 1	8-20=-642/5038, 6-17=0/1359,	load over 6) Prov 7) All p	of 12.0 psf or hangs non-cor vide adequate o lates are MT20	n designed for greate 1.00 times flat roof lo neurrent with other lind drainage to prevent to plates unless other n designed for a 10.0	oad of 20.0 ps ve loads. water ponding wise indicated	if on				SEA 0363		ann ann an

chord live load nonconcurrent with any other live loads.

Unin GILLIN March 16,2023

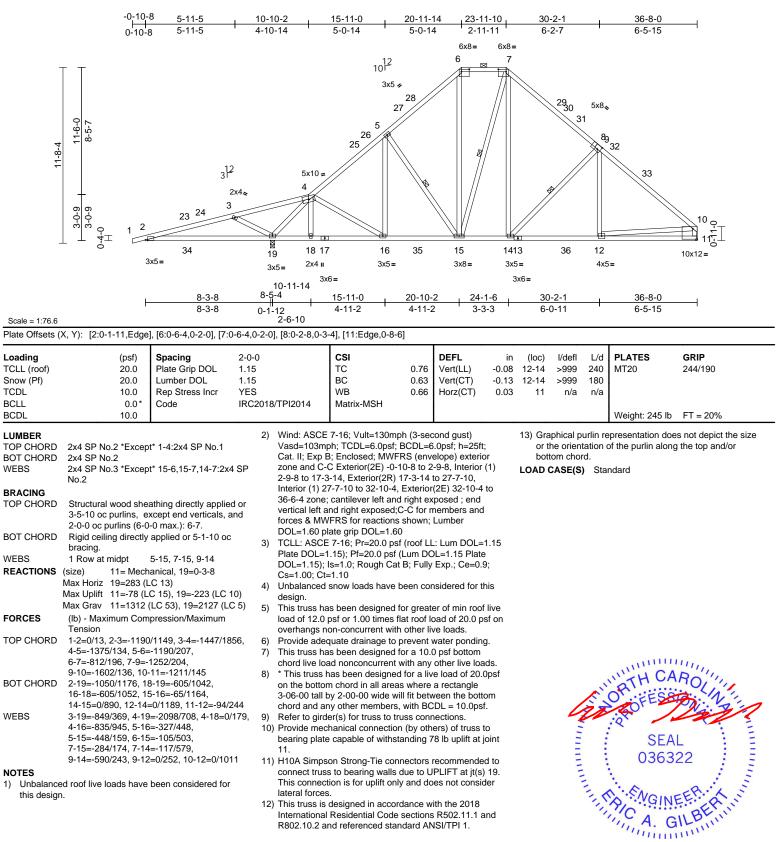
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **PCB Building Component Scietur Information**. Building from the Structure Building Component Advance interpretention. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B8	Piggyback Base	4	1	Job Reference (optional)	157188470

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:02 ID:DYjjSi2Yx_wiak28YcXfBRzaLPx-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f Page: 1



March 16,2023

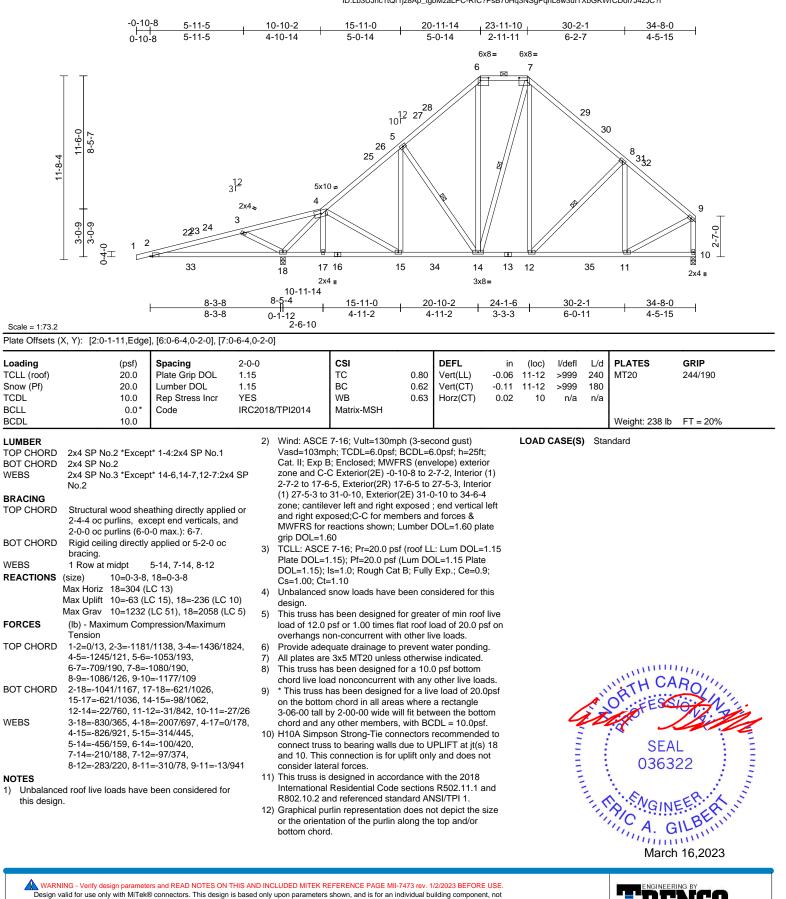
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)

A MiTek Affilian 818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B9	Piggyback Base	4	1	Job Reference (optional)	157188471

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:03 ID:Lb3UJnc1tQr1jz8Ap_tgbMzaLPC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

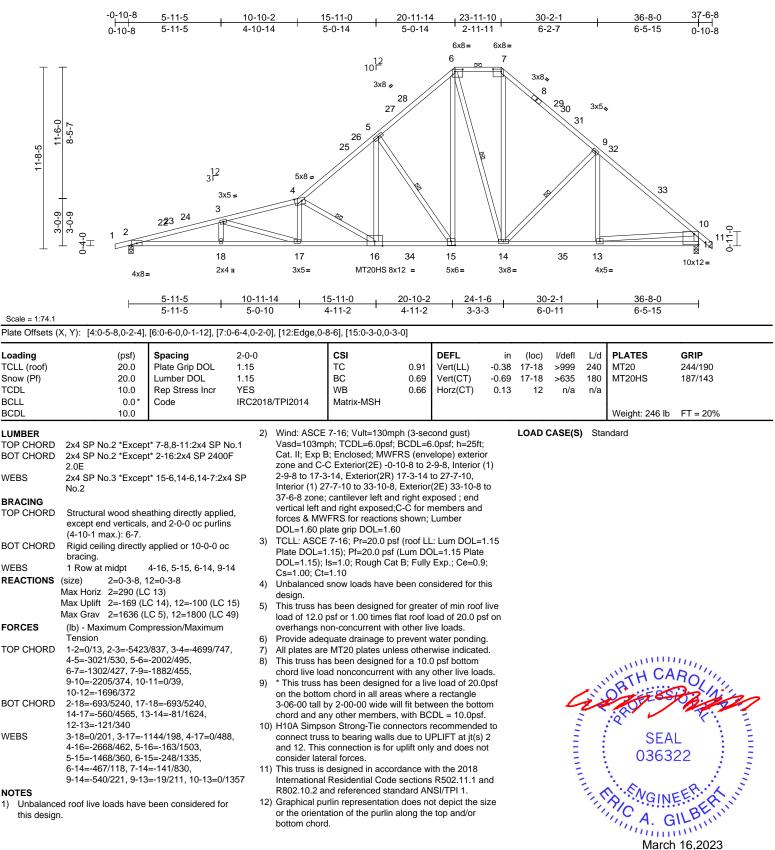


a truss system. Before úse, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing 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 **AMSUTP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	B10	Piggyback Base	7	1	Job Reference (optional)	157188472

Run: 8 53 S. Mar. 9 2023 Print: 8 530 S. Mar. 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:04 ID:S5LO2DmApPUBnzdg3Dcjd5zaLP?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C1	Attic	3	1	Job Reference (optional)	157188473

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:05 ID:OgutmTBRLMJ8PROFiQEE8mzaLPm-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



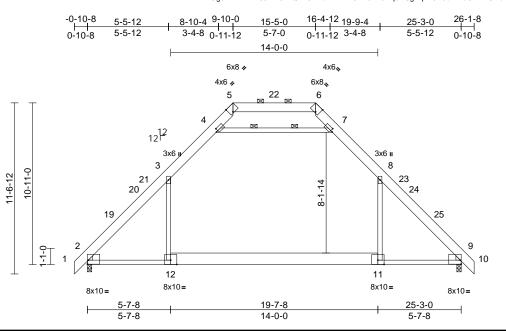


Plate Offsets (X, Y):	[2:Edge,0-3-4],	[4:0-1-9,0-2-4], [5:0-2-	-14,Edge], [6:0-2-14,Ec	lge], [7:0-1-9,0-2-4], [9:	Edge,0-3-4]	

		I			r								
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.36	Vert(LL)	-0.39	11-12	>775	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.85	Vert(CT)	-0.57	11-12	>536	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.46	Horz(CT)	0.03	2	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH		Attic	-0.31	11-12	>546	360		
BCDL	10.0											Weight: 215 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=130mp	h (3-seo	cond aust)		LOAD	CASE(S) Sta	ndard	
TOP CHORD	2x8 SP 2400F 2.0E		,	Vasd=103m	oh; TCDL=6.0psf;	BCDL=6	.0psf; h=25ft;			•			
BOT CHORD	2x4 SP No.1 *Excep	ot* 12-11:2x10 SP 24	100F	Cat. II; Exp I	B; Enclosed; MWF	RS (env	elope) exterio	or					
	2.0E			zone and C-	C Exterior(2E) -0-1	0-8 to 2	-1-8, Interior	(1)					
WEBS	2x4 SP No.3 *Excep	ot* 4-7:2x4 SP No.2			15, Exterior(2R) 5-			rior					
WEDGE	Left: 2x4 SP No.3				o 23-1-8, Exterior(
	Right: 2x4 SP No.3				ver left and right e			left					
BRACING					osed;C-C for men								
TOP CHORD	Structural wood she	athing directly applie	ed or	grip DOL=1.	reactions shown; L	umber i	DOL=1.60 pla	ate					
	6-0-0 oc purlins, exc		2)	01		(roof L		1 1 5					
	2-0-0 oc purlins (6-0		,		7-16; Pr=20.0 psf								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9;										
	bracing.			Cs=1.00; Ct		D, I uliy	Exp., 00=0.0	,					
WEBS	2 Rows at 1/3 pts		4)		snow loads have b	been cor	nsidered for th	nis					
REACTIONS	()		-,	design.									
	Max Horiz 2=254 (LC		5)		as been designed f	or great	er of min roof	live					
	Max Grav 2=1671 (I		46)	load of 12.0	psf or 1.00 times fl	at roof l	oad of 20.0 p	sf on					
FORCES	(lb) - Maximum Corr	pression/Maximum		overhangs n	on-concurrent with	other li	ve loads.						
	Tension		6)		quate drainage to p			g.					
TOP CHORD	1-2=0/37, 2-3=-1945				as been designed f								
	4-5=-239/563, 5-6=-		,		ad nonconcurrent v							munn	UIII.
	7-8=-1184/138, 8-9=	=-1944/0, 9-10=0/37	8)		nas been designed			Opsf				W'TH CA	Roll
BOT CHORD	2-9=-86/1218				n chord in all area						N	R	Line .
WEBS	3-12=0/949, 8-11=0	/949, 4-7=-1935/82			by 2-00-00 wide wi		veen the botto	om		/	5.	O FESS	De VII
NOTES			0)		ny other members. load (5.0 psf) on r		(a) 2 4 7 9 4	4 7.		4	Ø		and L
	ed roof live loads have	been considered for	r 9)		ad (5.0psf) on mer			+-7,				:2	K : 3
this desigr	٦.		10		d live load (40.0 ps			om		-		SEA	1 1 2
					oad (5.0 psf) appli						:	SEA	• -
			11		designed in accord			-			:	0363	22 : =
					Residential Code			ind		-	6		1 2
					nd referenced star			-			-	8	- 1 - S -
			12		Irlin representation			size			10	N. SNOW	-FRIX S
					ation of the purlin a						1	S. GIN	E. A.S
				bottom chore	j.	5	-				1	SEA 0363	II BEIN

- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Attic room checked for L/360 deflection.



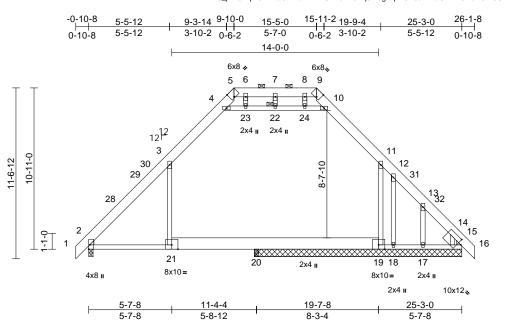
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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C1E	Attic Structural Gable	1	1	Job Reference (optional)	157188474

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:06 ID:1i5_jm7JXqhrJfVIvte3RizaLPr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



		5-7-8	11-4
		5-7-8	5-8-
Scale = 1:78			
Plate Offsets (X, Y):	[2:Edge,0-0-12], [5:0-2-14,Edge], [9):0-2-14,Edge], [15:0-	-2-8,0-3-9]

		1							-				
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.17	Vert(LL)		21-27	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.41	Vert(CT)		21-27	>886	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.18	Horz(CT)	0.02	2	n/a	n/a		
BCLL	0.0*	Code	IRC201	18/TPI2014	Matrix-MSH		Attic	-0.08	20-21	>999	360		
BCDL	10.0											Weight: 228 lb	FT = 20%
	18=14-0-8 Max Horiz 2=255 (LC Max Uplift 2=-42 (LC 17=-127 (19=-401 (Max Grav 2=1107 (L 17=219 (L	t* 4-10:2x4 SP No.2 athing directly applie pept -0 max.): 5-9. applied or 10-0-0 oc 15=14-0-8, 17=14-0- 3, 19=14-0-8, 20=0-3 C 13) C 14), 15=-76 (LC 11 LC 15), 18=-121 (LC LC 15), 18=-121 (LC LC 42) LC 40), 15=904 (LC 4- LC 50), 18=277 (LC 4- LC 51), 20=1121 (LC apression/Maximum 0/35, 3-4=-877/182, 269/418, 9-10=-451/ -12=-1123/246, 3-14=-988/145, 5-16=0/34 20=-99/735,	00F N 1) 2) d or 3) -8 3) -8 3) -14), 40), 40), 21) 5) 18, 6, 7) 8) 9) 9)	OTES) Unbalanced this design.) Wind: ASCE Vasd=103m Cat. II; Exp I zone and C- 2-1-8 to 5-4- (1) 19-10-11 zone; cantile and right exp MWFRS for grip DOL=1.) Truss design only. For st see Standar or consult qu) TCLL: ASCE Plate DOL= DOL=1.15); Cs=1.00; Ct) Unbalanced design.) This truss ha load of 12.0 overhangs m) Provide ade) All plates ard) Gable studs 0) This truss ha	ned for wind loads uds exposed to wir d Industry Gable E ualified building de 5 7-16; Pr=20.0 ps 1.15); Pf=20.0 ps Is=1.0; Rough Cat	12-23=-11 10-24=- =-6/69, 8 I-17=-23 We been of BCDL=6 RS (env) 10-8 to 2 -4-15 to (22) 23-1 exposed nbers an Lumber I is in the p nd (norm End Deta signer as f (roof LL (Lum DC is B; Fully) been cor for great lat roof k in other lin prevent is s otherwit c.	050/356, 1052/357, 1-24=-16/92, 7/131 considered fo considered fo considered fo considered fo considered fo considered fo considered fo considered fo table the elope) exterio -1-8, Interior -1-8, Inter	or (1) ior left uss), ble, Pl 1. 1.15); live sf on g.	on 3-0 cho 12) Ce 4-2 me 13) Bor cho 19- 14) Pro bee 15. 15) H1 cor Thi latte 16) On rec UP upl	the botto 6-00 tall ord and a illing dea (3, 22-23) mber(s), ttom cho ord dead 20 ovide me aring pla 0A Simp nect tru s conne e MECH ommeno LIFT at j	om cho by 2-0 ny oth d load d, 22-22 3-21, 1 rd live load (f chanic chan	rd in all areas wh 0-00 wide will fit er members. (5.0 psf) on mem 4, 10-24; Wall de 11-19 load (40.0 psf) an 5.0 psf) applied o al connection (by able of withstandi rong-Tie connect earing walls due for uplift only an AL connect rruss to b 1, 18, and 17. This is not consider la	a live load of 20.0psf here a rectangle between the bottom here(s). 3-4, 10-11, had load (5.0psf) on and additional bottom nly to room. 20-21, or others) of truss to ng 76 lb uplift at joint ors recommended to to UPLIFT at jt(s) 2. d does not consider OTHERS) bearing walls due to a connection is for teral forces.



Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and RCSI Building Component Safety Information available from the Structural Building Component Association (www.stearonponent.scom) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C1E	Attic Structural Gable	1	1	Job Reference (optional)	157188474

17) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

19) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:06 ID:1i5_jm7JXqhrJfVlvte3RizaLPr-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

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Job	Truss	Tr	russ Type	C	Qty	Ply	Abby plan				
23030004-01	C2G2	At	ttic Girder	2	2	3	Job Refere	nce (on	tional)		157188475
Carter Components (Sar	ford), Sanford, NC - 2	7332,		Run: 8.53 S Mar 9 202		30 S Mar 9	2023 MiTek Ir	ndustries,	Inc. We		Page: 1
	SEAL		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ID:K20dB9CitzZsekXepr 10-4 9-10-0 15-5-0 5-8 0-11-12 5-7-0 14-0-0 6x8 ≠ 4x6 ≠ 5 ≥ 25 ∞ 4	16-4-1 0-11-1 4xt 6x8& 6	19-10-4 2 3-5-8	22-2-0 25	26-	1-8 ⊣	rcDoi7J4zJC?f	
Contraction of the second s	036322		2 1 16 28 15 29	30 31 32 33 34 HHUS46 HH 2 II HHUS46 HHUS46 46 HHUS46 HHUS46	35 14 MT20HS 8 IUS46	36 37 1 3x12 = 6 MT18F 1US46 HHU HUS46	9	39 8x10= 0US46	0		
Scale = 1:86.3 Plate Offsets (X, Y):		3:0-5-0,Edge], [4:0-1-	-9,0-2-4], [5:0-2-14,E0	dge], [6:0-2-14,Edge], [7	/:0-1-9,0-),0-0-1	2], [12:0-6-0,0-6-	12],
BOT CHORD 2x10 WEBS 2x4 S NO.2 NO.2 BRACING Structory TOP CHORD Structory BOT CHORD Rigid DOT CHORD Rigid BRACTIONS (size) REACTIONS (lb) - Tens TOP CHORD 1-2=- 1-2=- 10-11 BOT CHORD 1-2=- 10-11 BOT CHORD 1-3=- 13-14 WEBS 2-16- 3-15=	20.0 Piz 20.0 Lu 20.0 Lu 10.0 Re 0.0* Cc 10.0 Cc SP 2400F 2.0E SP 240F 2.0E SP 240	ate Grip DOL 1.1 Imber DOL 1.1 ap Stress Incr NC bde IR(-15,8-13:2x6 SP -15,8-13:2x6	 All loads are of except if note CASE(S) sect provided to di unless otherw Unbalanced ri this design. Unbalanced ri this design. Wind: ASCE Ti Vasd=103mpl Cat. II; Exp Bi zone; cantilev and right expo DOL=1.60 TCLL: ASCE Plate DOL=1.5); Is CS=1.00; Ct= Unbalanced si design. This truss has load of 12.0 p overhangs no Provide adeqi All plates are 10) This truss has chord live load * This truss has not design. 	oof live loads have beer 7-16; Vult=130mph (3-si h; TCDL=6.0psf; BCDL= Enclosed; MWFRS (er er left and right exposed bsed; Lumber DOL=1.60 7-16; Pr=20.0 psf (roof I 15); Pf=20.0 psf (Lum E s=1.0; Rough Cat B; Ful	Vert(i Horz(Attic ed to all) face in ons have d as (F) of n consider econd gu e6.0psf; h velope) d ; end vo 0 plate gr ULL: Lum ODL=1.15 ly Exp.; (onsidered t water p erwise in .0 psf bo yy other li ive load e a recta	L) -0 CT) -0 CT) 0 -0. Plies, the LOAD been or (B), ered for est) ==25ft; exterior ertical left ip DOL=1.15 5 Plate Ce=0.9; d for this in roof live 20.0 psf on s. onding. dicated. of 20.0psf ngle	18 13-15 14) LGT recc UPL doe 15) This Inte R8C 16) Gra or tt bott 17) Use 16- con 18) Use Trus oc r con 19) Fill 20) LGT the	ommend LIFT at jt s not coos s truss is rnationa 22.10.2 a phical pri- ne orient om chor s Simpso 3 Simpso ss, Singl nax, star nect trus all nail h T3 Hurrio truss.	ed to c (s) 1 nsider desig I Resid urlin re- cation c d. on Stro e Ply (cting at ss(es) = oles w cane tio	This connection is lateral forces. ned in accordance dential Code sect erenced standarc apresentation doe of the purlin along ng-Tie HGUS21C aquivalent at 4-6-1 to front face of bc ng-Tie HHUS46 i Girder) or equival t 5-5-12 from the to front face of bc here hanger is in	earing walls due to s for uplift only and e with the 2018 ions R502.11.1 and ANSI/TPI 1. s not depict the size the top and/or -2 (46-10d Girder, 0 from the left end to thom chord. [14-10d Girder, 6-10d ent spaced at 1-4-0 left end to 23-9-4 to thom chord. contact with lumber. se studs in line below
follows: 2x8 - 2 ro Bottom chords co screws as follows Web chords conr	ected with 10d (0.13 ws staggered at 0-6 nnected with Simps : 2x10 - 3 rows stag ected with 10d (0.1 w at 0-6-0 oc, 2x6 -	9-0 oc. son SDS 1/4 x 4-1/2 ggered at 0-4-0 oc. 31"x3") nails as	12) Ceiling dead Wall dead loa 13) Bottom chord	y other members. oad (5.0 psf) on member d (5.0psf) on member(s live load (40.0 psf) and ad (5.0 psf) applied only).3-15, 8 addition	-13 al bottom					

March 16,2023

CO

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

REN

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C2G2	Attic Girder	2	3	Job Reference (optional)	157188475

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:07 ID:K20dB9CitzZsekXeprGiDBzaLPk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)

Vert: 1-3=-60, 3-4=-70, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-70, 8-11=-60, 15-17=-20, 13-15=-30, 13-20=-20, 4-7=-10 Drag: 3-15=-10, 8-13=-10

Concentrated Loads (lb)

Vert: 14=-72 (F), 15=-143 (F), 13=-551 (F), 12=-276 (F), 28=-6706 (F), 29=-72 (F), 30=-72 (F), 31=-72 (F), 32=-72 (F), 33=-72 (F), 34=-72 (F), 35=-72 (F), 36=-72 (F), 37=-72 (F), 38=-276 (F), 39=-276 (F)

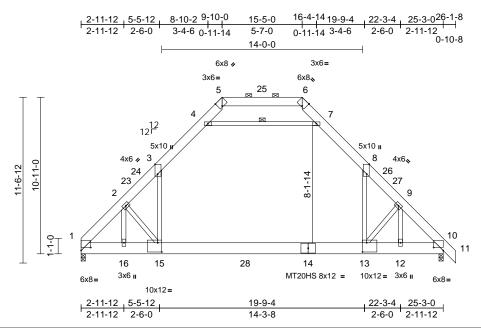
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C2G3	Attic Girder	1	2	Job Reference (optional)	157188476

Scale = 1:80.3

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:08 ID:DqF80WFCxC3I7MrP2hLeN1zaLPg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



		15 0 0 4 4 E 1 1 10 0 0 4 4 E 1 1		
Plate ()tteete (X Y).	11.0-8-0 0-7-81 13.0-8-7 Eddel	15.0-2-14 Eddel 16.0-2-14 Eddel	18.0-8-7 Eddel 110.0-8-0 0-7-81	[13:0-3-8,0-7-12], [15:0-3-8,0-7-12]
	11.0 0 0,0 2 0, 10.0 0 2, Eugel,	10.0 Z 14, Eugel, 10.0 Z 14, Eugel	, 10.0 0 2, 2000, 110.0 0 0,0 2 0,	10.0 0 0,0 1 12, 110.0 0 0,0 1 12

		1											
Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		тс	0.74	Vert(LL)	-0.46	13-15	>663	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.79	Vert(CT)	-0.68	13-15	>449	180	MT20HS	187/143
TCDL	10.0	Rep Stress Incr	NO		WB	0.66	Horz(CT)	0.01	1	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TP	I2014	Matrix-MSH		Attic	-0.30	13-15	>564	360		
BCDL	10.0	-										Weight: 508 lb	FT = 20%
	No.2 Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (10- Rigid ceiling directly bracing. 1 Row at midpt	athing directly applie sept -0-0 max.): 5-6. - applied or 10-0-0 oc 4-7 10=0-3-8 .C 10)	SP pro SP pro and or this d or 4) Wi Va Ca Zor an C S) TC	cept if note SE(S) sec voided to c less other balanced s design. nd: ASCE sd=103mp t. II; Exp E ne; cantile d right exp DL=1.60 LL: ASCE ate DOL=1	considered equally ed as front (F) or ba- ction. Ply to ply con listribute only loads wise indicated. roof live loads have 7-16; Vult=130mpt bh; TCDL=6.0psf; E 3; Enclosed; MWFF ver left and right ex- bosed; Lumber DOL 57-16; Pr=20.0 psf .15); Pf=20.0 psf (L Is=1.0; Rough Cat I	ack (B) nection noted been (3-sec 3CDL=6 8S (env cposed L=1.60 p (roof LL Lum DC	face in the LC s have been as (F) or (B), considered fo cond gust) .opsf; h=25ft; elope) exterio ; end vertical plate grip .: Lum DOL= ⁻ DL=1.15 Plate	r or left 1.15	Inte R8(16) Gra or t bott 17) LG 18) Har pro lb d 132 sele res 19) Atti	ernationa 02.10.2 a uphical p he orien tom choi T2 Hurrie truss. nger(s) c vided su lown and t b up at ection of ponsibili	I Resid and ref urlin re tation of cane ti cane ti fficient 2 210 II 2 15-9 such of ty of ot checke	erenced standard spresentation doe of the purlin along es must have two r connection devic to support conce b up at 11-5-8, a -8 on bottom choi connection device hers. d for L/360 deflec	ions R502.11.1 and d ANSI/TPI 1. is not depict the size g the top and/or o studs in line below ce(s) shall be entrated load(s) 2317 nd 1462 lb down and rd. The design/ a(s) is the
FORCES	Max Grav 1=3418 (I (Ib) - Maximum Com	1. (48) Cs	=1.00; Ct=		-	-		1) De	ead + Sr	, now (ba		Increase=1.15, Plate
	Tension		,	sign.		0000.				crease=" niform Lo		h /f+)	
TOP CHORD	6-7=-23/1777, 7-8=-	=-20/1745, 5-6=-43/2	7) Th 618, loa ove	is truss ha id of 12.0 erhangs n	s been designed for psf or 1.00 times fla on-concurrent with quate drainage to p	at roof le other liv	oad of 20.0 ps ve loads.	sf on	U		`	TH CA	
BOT CHORD	1-16=-188/3062, 15 13-15=-80/3352, 12 10-12=-32/3040	-16=-176/3062,	9) All 10) Th	plates are is truss ha	MT20 plates unles s been designed fo ad nonconcurrent w	ss other or a 10.0	wise indicate 0 psf bottom	d.				OFFESS	N. N. T.
WEBS	2-16=-3361/279, 2-1 3-15=-217/4901, 8-1 9-13=-233/558, 9-12 4-7=-5883/321	13=-232/5076,	11) * T on 3-(his truss h the bottor)6-00 tall b	has been designed n chord in all areas by 2-00-00 wide will ny other members.	for a liv where	e load of 20.0 a rectangle)psf				SEA	L
(0.131"x3" Top chords staggered Bottom cho staggered	to be connected toge) nails as follows: s connected as follows at 0-9-0 oc. ords connected as foll at 0-7-0 oc. ected as follows: 2x4 -	s: 2x8 - 2 rows ows: 2x10 - 4 rows	Wa 13) Bo chi 14) LG coi an	all dead lo ttom chord ord dead lo T2 Simps nnect trus d 10. This	load (5.0 psf) on m ad (5.0psf) on mem d live load (40.0 psf oad (5.0 psf) applie on Strong-Tie conn s to bearing walls d connection is for u ral forces.	hber(s).) and a d only the ectors ue to U	3-15, 8-13 dditional botto to room. 13-19 recommended PLIFT at jt(s)	om 5 d to 1		LINE		SEA 0363	

March 16,2023



Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and RCSI Building Component Safety (Information, available from the Structural Building Component Association (www shearcomponent Safety Information, available from the Structural Building Component Association (www shearcomponent Safety Information, available from the Structural Building Component Association (www shearcomponent Association) (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C2G3	Attic Girder	1	2	Job Reference (optional)	157188476

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:08 ID:DqF80WFCxC3I7MrP2hLeN1zaLPg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

Vert: 1-3=-60, 3-4=-70, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-70, 8-11=-60, 15-17=-20, 13-15=-30, 13-20=-20, 4-7=-10 Drag: 3-15=-10, 8-13=-10 Concentrated Loads (lb) Vert: 14=-836 (F), 28=-1325 (F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSUPTI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C2G4	Attic Girder	1	2	Job Reference (optional)	157188477

Scale = 1:80.6

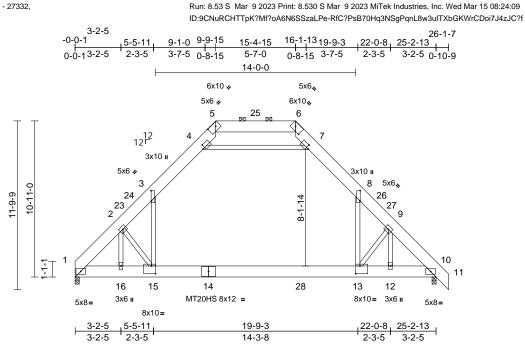


Plate Offsets (X, Y): [3:0-8-8,0-0-4]	, [4:0-1-13,0-3-0], [5:0	-6-7,0-3-	0], [6:0-6-7,0-3	-0], [7:0-1-13,0-3-	0], [8:0-8	8-8,0-0-4], [13	3:0-3-8,0	-6-8], [15	5:0-3-8,0)-6-8]			
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.34 0.40 0.74	DEFL Vert(LL) Vert(CT) Horz(CT) Attic	-0.31 0.01	(loc) 13-15 13-15 10 13-15	l/defl >999 >991 n/a >999	L/d 240 180 n/a 360	PLATES MT20 MT20HS Weight: 568 I	GRIP 244/190 187/143 b FT = 20%	
	2x10 SP 2400F 2.0E 2x4 SP No.3 *Excep Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (10 Rigid ceiling directly bracing.	E ot* 4-7:2x4 SP No.2 eathing directly applied cept -0-0 max.): 5-6. applied or 10-0-0 oc 10=0-3-8 .C 10) .C 13)	4)	except if not CASE(S) see provided to c unless other Unbalanced this design. Wind: ASCE Vasd=103m Cat. II; Exp E zone; cantile and right exp DDL=1.60 TCLL: ASCE	considered equal ed as front (F) or l ction. Ply to ply co distribute only load wise indicated. roof live loads har 7-16; Vult=130m ph; TCDL=6.0psf; 3; Enclosed; MWF ever left and right o bosed; Lumber DC E 7-16; Pr=20.0 ps	back (B) prinection ds noted we been ph (3-sec BCDL=6 RS (env exposed DL=1.60 if (roof LI	face in the Liss have been as (F) or (B), considered for cond gust) 5.0psf; h=25f elope) exteri ; end vertical plate grip L: Lum DOL=	br t; or I left :1.15	Inte R8(16) Gra or t bot 17) Hai pro lb c des res 18) Atti LOAD	ernationa 02.10.2 aphical p he orier tom cho nger(s) o vided su down an sign/sele ponsibili c room o CASE(S	al Resi and rel purlin re- tation rd. or othe ufficient d 132 l ection c ity of of checke c) Sta	dential Code se ierenced standa spresentation d of the purlin alo r connection de t to support con b up at 15-9-8 if such connect ihers. d for L/360 defl ndard	nce with the 2018 ctions R502.11.1 and ard ANSI/TPI 1. bes not depict the siz ng the top and/or vice(s) shall be centrated load(s) 146 on bottom chord. The on device(s) is the ection. er Increase=1.15, Pla	
FORCES	(lb) - Maximum Com		40)	Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Uniform Loads (lb/ft)										
TOP CHORD	Tension HORD 1-2=-2648/0, 2-3=-3648/37, 3-4=-1830/145, 4-5=-8/917, 5-6=0/1491, 6-7=0/1053, 7-8=-1710/134, 8-9=-4046/73, 9-10=-3090/17, 10-11=0/37			 Cs=1.00; Ct=1.10 6) Unbalanced snow loads have been considered for this design. 7) This truss has been designed for greater of min roof live 						Vert: 1-3=-60, 3-4=-70, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-70, 8-11=-60, 15-17=-20, 13-15=-30, 13-20=-20, 4-7=-10 Drag: 3-15=-10, 8-13=-10				
BOT CHORD WEBS	1-16=-100/1955, 15 13-15=0/2089, 12-1 2-16=-1668/101, 2-1	-16=-64/1955, 3=0/2113, 10-12=0/2 15=-235/574, -23/3240, 9-13=-448/	9	 load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 8) Provide adequate drainage to prevent water ponding. 9) All plates are MT20 plates unless otherwise indicated. 10) This truss has been designed for a 10.0 psf bottom 						Concentrated Loads (lb)				
NOTES 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-7-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.				 chord live load nonconcurrent with any other live loads. 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members. 12) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0 psf) on member(s). 3-15, 8-13 13) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15 14) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. This connection is for uplift only and does not consider lateral forces. 					SEAL 036322 A. GILBER March 16,2023					

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and RCSI Building Component Safety Information available from the Structural Building Component Association (www.stearonponent.scom) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Page: 1



Job	Truss	Truss Type		Qty	Ply	Abby plan	
23030004-01	C2G4	Attic Girder		1	2	Job Reference (optional)	157188477
Carter Components (Sanford)	Sanford, NC - 27332, Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:09				Page: 2		

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:09 ID:9CNuRCHTTpK?Mf?oA6N6SSzaLPe-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Vert: 28=-836 (F)

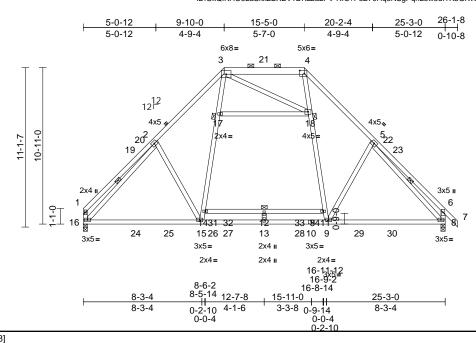
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C3	Piggyback Base	7	1	Job Reference (optional)	157188478

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:10 ID:OxQIKHO6LaSkx2BXBV1DKLzaLPV-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:80.4 Plate Offsets (X, Y): [4:0-3-12,0-2-8]

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	/TPI2014	CSI TC BC WB Matrix-MSH	0.62 0.98 0.57	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.34 -0.63 0.04	(loc) 12 12 8	l/defl >879 >478 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 199 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS	Structural wood she 3-7-4 oc purlins, ex 2-0-0 oc purlins, (ex 2-0-0 oc purlins, (ex- Rigid ceiling directly bracing. Except: 6-0-0 oc bracing: 11 1 Row at midpt 1 Brace at Jt(s): 17, 18 (size) 8=0-3-8, Max Horiz 16=-273 (Max Grav 8=1623 (L (Ib) - Maximum Com Tension 1-2=-384/167, 2-3=- 4-5=-1698/31, 5-6=- 1-16=-345/148, 6-8= 15-16=-2/1302, 13-1 8-9=0/1164, 12-14=- 2-15=-245/286, 5-9= 5-8=-1510/0, 14-15= 3-17=0/915, 4-18=00 9-11=-7/761, 12-13= 3-18=-161/159 d roof live loads have	t* 14-11:2x4 SP No.2 t* 15-3,9-4:2x4 SP No.2 t* 15-3,9-4:2x4 SP N athing directly applied cept end verticals, an -0 max.): 3-4. applied or 2-2-0 oc -14 2-16, 5-8 16=0-3-8 LC 12) _C 45), 16=1571 (LC pression/Maximum 1704/31, 3-4=-989/1* 440/212, 6-7=0/43, =-449/203 15=0/1024, 9-13=0/10 6/10, 11-12=-6/10 =-236/285, 2-16=-154 =-9/772, 14-17=0/922 (858, 11-18=-0912, =-127/1, 17-18=-65/68	2. 5.2 1 or d 3) 4) 45) 5) 6) 7) 24, 9) 9/0, 3, 10)	Vasd=103mp Cat. II; Exp E zone and C-1 (1) 19.7-15 ti zone; cantile and right exp MWFRS for 1 Grip DOL=1.0 TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 p overhangs n 200.0lb AC u from left end Provide adec This truss ha chord live loa * This truss ha chord live loa * This truss ha chord live loa * This truss ha chord and ar This truss f international R802.10.2 ar	7-16; Pr=20.0 ps .15); Pf=20.0 psf s=1.0; Rough Cat	BCDL=6 RS (env- -12 to 3- -7-1 to 1 2E) 23-1 exposed hbers an _umber I (Lum DC B; Fully been cor for great lat roof lu othe bott points, 3 prevent or a 10.0 with any d for a liv s where all fit betw , with BC dance w sections hadre Au	.0psf; h=25ft elope) exterio 1-12, Interior -8 to 26-1-8 ; end vertical d forces & DOL=1.60 pla :: Lum DOL= DL=1.15 Plate Exp.; Ce=0.5 asidered for the er of min roof bad of 20.0 pic to do 20.0 pic e loads of 20.0 pic e loads of 20.0 pic e load of 20.0 pic e load of 20.0 pic e load of 20.0 pic e load of 20.0 pic set load of 20.0 pic e load of 20.0 pic set load of 20.0 pic for a rectangle veen the botto DL = 10.0psf ith the 2018 is R502.11.1 a SI/TP11.	or (1) or left ate 1.15 9; flive sf on 2-7-8 g. dds. 0psf om f.		(Netronoments)	S	SEA 0363	L
			LO	bottom chord AD CASE(S)							the state	A. G	BEIN

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Schut Information, purplication component of component development properties. and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



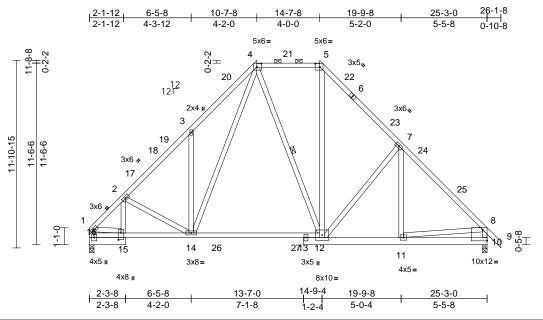
818 Soundside Road Edenton, NC 27932

G١ A. GIL March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C4	Нір	1	1	Job Reference (optional)	157188479

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:11 ID:s2tzGNa47?0EPIZemwKV6DzaLQY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:73.2 Plate Offsets (X, Y): [4:0-3-9,0-2-8], [5:0-3-9,0-2-8], [10:Edge,0-8-9], [15:0-5-4,0-2-0]

			-		-								
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15		TC	0.48	· · ·		12-14	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.68	Vert(CT)	-0.24	12-14	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.69	Horz(CT)	0.04	10	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-MSH								
BCDL	10.0											Weight: 208 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=130m	oh (3-se	cond gust)						
TOP CHORD	2x4 SP No.2		,	Vasd=103m	ph; TCDL=6.0psf;	BCDL=6	6.0psf; h=25ft	;					
BOT CHORD	2x6 SP No.2 *Excep	t* 15-2:2x4 SP No.3,			B; Enclosed; MWF								
	16-12:2x4 SP No.2				C Exterior(2E) 0-1								
WEBS	2x4 SP No.3 *Excep	t* 14-4,12-4,12-5:2x4	4 SP		1-9, Exterior(2R) 6			or					
	No.2				o 23-1-8, Exterior								
BRACING					ever left and right e			left					
TOP CHORD	Structural wood she				posed;C-C for mer reactions shown;			ato					
	4-5-11 oc purlins, e		and	grip DOL=1.		Lumber	DOL-1.00 pie	ale					
	2-0-0 oc purlins (6-0		3)		E 7-16; Pr=20.0 ps	f (roof L		1 15					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	0)		1.15); Pf=20.0 psf								
	bracing.				Is=1.0; Rough Cat								
WEBS		4-12		Cs=1.00; Ct		, ,	,	- ,					
	(size) 10=0-3-8,		4)	Unbalanced	snow loads have	been co	nsidered for t	his					
	Max Horiz 16=-287 (,		design.									
	Max Uplift 10=-90 (L				as been designed								
	Max Grav 10=1284		5 45)		psf or 1.00 times f			sf on					
ORCES	(lb) - Maximum Com	pression/Maximum			on-concurrent with								
	Tension		6)		quate drainage to			g.					
OP CHORD			7)		as been designed								
	3-4=-1499/366, 4-5=	,			ad nonconcurrent							, uninnin	11111
	5-7=-1204/227, 7-8= 1-16=-1171/90, 8-10	,	, 8)		has been designed			Opsf				WAH CA	Rollin
BOT CHORD	15-16=-251/297, 14-				m chord in all area			~ m			N	ORIEE89	2114
	12-14=-68/799, 11-1		231		by 2-00-00 wide w ny other members					/	5.	U FEOS	C. Vin
	2-15=-285/48	2-0,000, 10 11= 01/	201, 9)		ion Strong-Tie con					4	ÌŊ	181 -	KAU
NEBS	2-14=-66/142, 4-14=	-288/817 4-12=-96/	- /		s to bearing walls					4		2.6	
	5-12=-81/522, 7-12=				connection is for					-		SEA	1 : -
	8-11=0/731, 1-15=-4	,	,	consider late			,			=	:		• •
NOTES		-,,			designed in accor	dance w	ith the 2018					0363	22 ; =
	ed roof live loads have	been considered for			Residential Code			and		-			
this design		been considered for		R802.10.2 a	nd referenced star	ndard Al	ISI/TPI 1.				2	A	- 1 - E
the design			11	 Graphical pι 	Irlin representation	n does n	ot depict the	size			20	N. SNOW	-ERIX S

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

LOAD CASE(S) Standard



Unummini

March 16,2023

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C5	Нір	1	1	Job Reference (optional)	157188480

Scale = 1:69

Loading

TCLL (roof)

Snow (Pf)

LUMBER

WEBS

WEBS

FORCES

WEBS

NOTES

1)

BRACING

TCDL

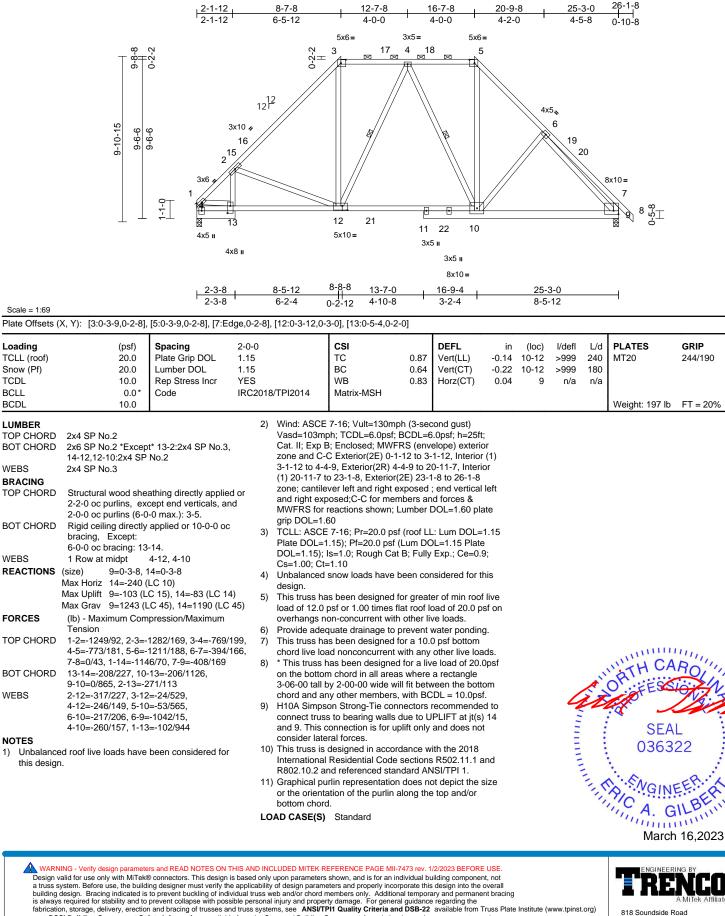
BCLL

BCDL

Run: 8 53 S. Mar. 9 2023 Print: 8 530 S. Mar. 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:12 ID:vglDrhYqbNmWARPGfVI11ozaLQa-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

Edenton, NC 27932



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

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C6	Нір	1	1	Job Reference (optional)	157188481

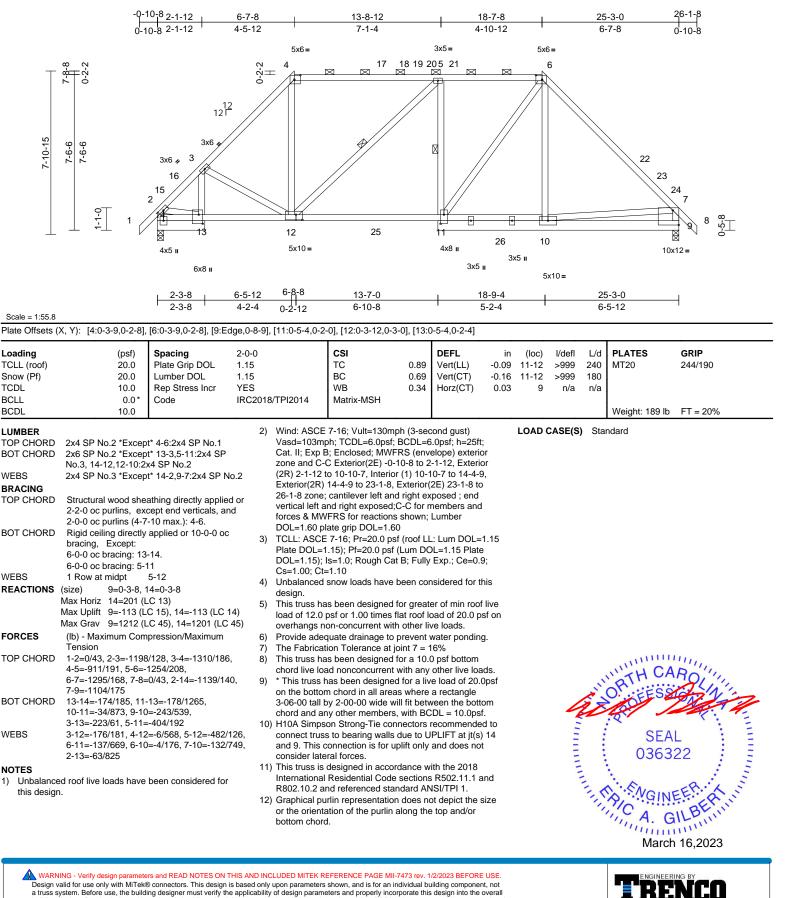
1)

Run: 8 53 S. Mar. 9 2023 Print: 8 530 S. Mar. 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:12 ID:V534DfWxISOxJ_hhzNIKP9zaLQd-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

818 Soundside Road

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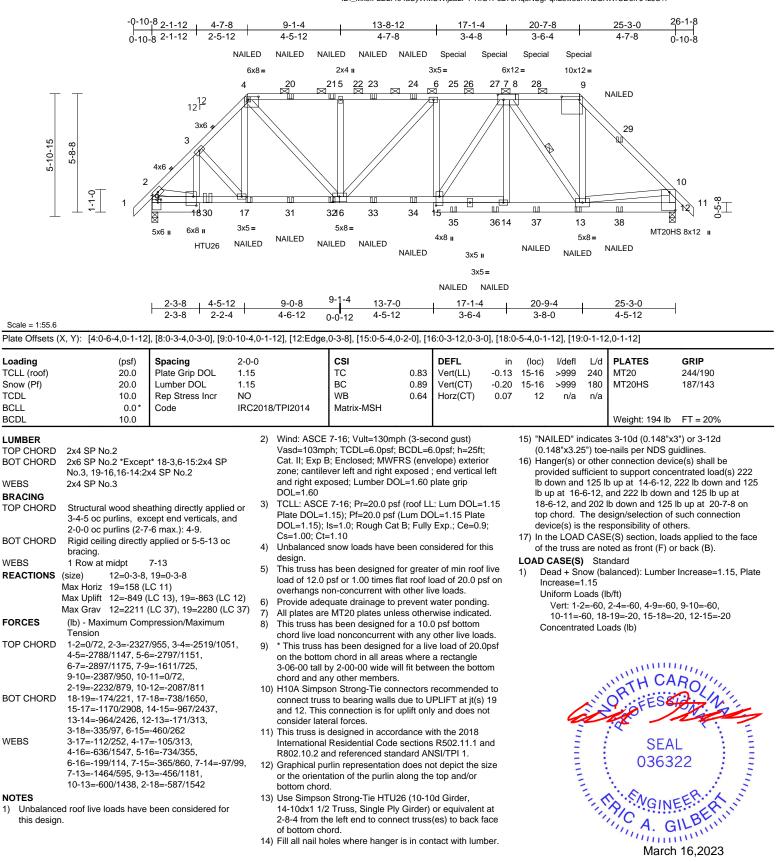
bilding design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C7	Hip Girder	1	1	Job Reference (optional)	157188482

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:15 ID:_Mk9iFLD2f494aSyWMUWijzaLPY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

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Edenton, NC 27932



Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property 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 ANSUTPI1 Quality Ortheria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association, com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	C7	Hip Girder	1	1	Job Reference (optional)	157188482

Vert: 9=-174 (B), 17=-55 (B), 4=-143 (B), 13=-25 (B), 20=-143 (B), 21=-143 (B), 23=-143 (B), 24=-143 (B), 25=-174 (B), 27=-174 (B), 28=-174 (B), 29=-34 (B), 30=-246 (B), 31=-55 (B), 32=-55 (B), 33=-55 (B), 34=-55 (B), 35=-25 (B), 36=-25 (B), 37=-25 (B), 38=-160 (B) Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:15 ID:_Mk9iFLD2f494aSyWMUWijzaLPY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

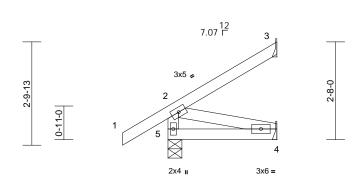


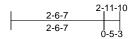
Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	CJ1	Jack-Open	2	1	Job Reference (optional)	157188483

-1-2-14 1-2-14

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

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:16 ID:Ck8RIGRYyJVxzveL3P7hdhzaLQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





2-11-10

2-11-10

Scale = 1:31.4

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-MP	0.21 0.09 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 2-11-10 oc purlins, Rigid ceiling directly bracing. (size) 3= Mecha 5=0-4-9 Max Horiz 5=77 (LC Max Uplift 3=-41 (LC (LC 14) Max Grav 3=99 (LC	C 14), 4=-3 (LC 14), 5	6) ed or 7) 5 8) II, 9) 5=-17 LC	chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Refer to gird Provide mec bearing plate 5, 41 lb uplift This truss is International	s been designed for ad nonconcurrent w has been designed in chord in all areas by 2-00-00 wide will y other members. er(s) for truss to tru- hanical connection of capable of withsta at joint 3 and 3 lb designed in accorc Residential Code s and referenced stam Standard	vith any for a liv s where Il fit betw uss conr (by oth anding 1 uplift at dance w sections	other live loa e load of 20.0 a rectangle veen the botto nections. ers) of truss t 7 lb uplift at j joint 4. ith the 2018 i R502.11.1 a	Opsf om o oint					
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: ASI	Tension 2-5=-297/125, 1-2=												
Vasd=103 Cat. II; Ex zone and exposed ; members Lumber D 2) TCLL: AS Plate DOI DOL=1.15 Cs=1.00; 3) Unbalanc design. 4) This truss load of 12	3mph; TCDL=6.0psf; B cp B; Enclosed; MWFR C-C Corner (3) zone; and vertical left and ri and forces & MWFRS OL=1.60 plate grip DC GCE 7-16; Pr=20.0 psf L=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat I	CDL=6.0psf; h=25ft; S (envelope) exterior cantilever left and rig ght exposed;C-C for for reactions shown; D=1.60 (roof LL: Lum DOL=1. Lum DOL=1.15 Plate 3; Fully Exp.; Ce=0.9 even considered for th or greater of min roof t roof load of 20.0 ps	r ht .15 ; is live							A CHINE		SEA 0363	L L 22 EER

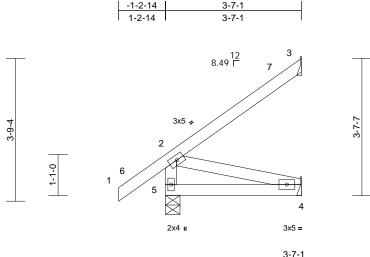


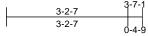
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	CJ2	Jack-Open	1	1	Job Reference (optional)	157188484

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:17 ID:gxipycRBjcdob3DXd6ew9uzaLQj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:30.4

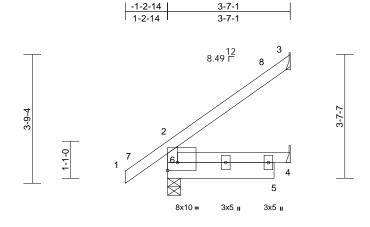
Scale = 1:30.4										
Loading (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2018	T B W	CSI IC 0. 3C 0. WB 0. Matrix-MP	4 Vert(CT)	in -0.01 -0.02 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 20 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 BRACING TOP CHORD Structural wood shear 3-7-1 oc purlins, exc BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 3= Mecha 5=0-4-9 Max Horiz 5=107 (LC Max Uplift 3=-63 (LC	6) athing directly applied or sept end verticals. 7) applied or 10-0-0 oc 8) nical, 4= Mechanical, 9) 14) 14), 4=-8 (LC 14)	chord live load r * This truss has on the bottom cl 3-06-00 tall by 2 chord and any o Refer to girder(s Provide mechan bearing plate ca 3 and 8 lb uplift This truss is des International Re	s) for truss to truss of nical connection (by apable of withstandii at joint 4. signed in accordance esidential Code sect referenced standard	iny other live load of 20. Free a rectangle etween the both connections. others) of truss g 63 lb uplift at e with the 2018 cons R502.11.1	Opsf tom to joint					
 (LC 21) FORCES (Ib) - Maximum Com Tension TOP CHORD 2-5=-321/116, 1-2=0 BOT CHORD 4-5=-267/57 WEBS 2-4=-58/275 NOTES 1) Wind: ASCE 7-16; Vult=130mph Vasd=103mph; TCDL=6.0psf; BC Cat. II; Exp B; Enclosed; MWFRS zone and C-C Corner (3) -1-2-14 3-0-1 to 3-6-5 zone; cantilever le end vertical left and right expose forces & MWFRS for reactions sl DOL=1.60 plate grip DOL=1.60 2) TCLL: ASCE 7-16; Pr=20.0 psf (LI DOL=1.15); Is=1.0; Rough Cat B Cs=1.00; Ct=1.10 3) Unbalanced snow loads have be design. 4) This truss has been designed for load of 12.0 psf or 1.00 times flat overhangs non-concurrent with or 	pression/Maximum /73, 2-3=-113/66 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior to 3-0-1, Exterior(2R) ft and right exposed ; d;C-C for members and hown; Lumber roof LL: Lum DOL=1.15 Jm DOL=1.15 Plate ; Fully Exp.; Ce=0.9; en considered for this greater of min roof live roof load of 20.0 psf on						A statistics		11111	L 22 EERH

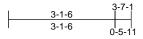


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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	CJ2T	Jack-Open	1	1	Job Reference (optional)	157188485

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:17 ID:Ck8RIGRYyJVxzveL3P7hdhzaLQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:33.7

Plate Offsets (X, Y):	[6:Edge.0-2-12]
	[0.2090,0 2 .2]

Plate Olisets	(X, Y): [6:Edge,0-2-12	.]										-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MR	0.50 0.06 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 -0.01	(loc) 4-6 4-6 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 22 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD NOTES 1) Wind: AS: Vasd=100 Cat. II; Ex zone and 3-0-1 to 3 end vertic forces & M DOL=1.6(2) TCLL: AS Plate DOI DOL=1.11 Cs=1.00;	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.3 Structural wood she 3-7-1 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mecha 6=0-4-9 Max Horiz 6=109 (LC Max Uplift 3=-64 (LC (LC 14) Max Grav 3=137 (LC (LC 21) (lb) - Maximum Com Tension 2-6=-332/172, 1-2=(4-6=-9/0 CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; Bi cp B; Enclosed; MWFR C-C Corner (3) -1-2-14 6-5 zone; cantilever le and left and right expose WWFRS for reactions s 0 plate grip DOL=1.60 GC 7-16; Pr=20.0 psf (L= 1-1.15); Pf=20.0 psf (L=	athing directly applie cept end verticals. applied or 6-0-0 oc anical, 4= Mechanica C 14) C 14), 4=-5 (LC 14), 6 C 21), 4=68 (LC 7), 6 Dression/Maximum D/73, 2-3=-119/59 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior t to 3-0-1, Exterior(2) fit and right exposed di;C-C for members hown; Lumber roof LL: Lum DOL=1 um DOL=1.15 Plate 8; Fully Exp.; Ce=0.9	rR) ; and or 6) (I, 7) 8) (B) (B) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar Refer to gird Provide mec bearing plate 6, 64 lb upliff This truss is International	Is been designed f psf or 1.00 times fl on-concurrent with is been designed f ad nonconcurrent was been designed f n chord in all areas y 2-00-00 wide wi hy other members. er(s) for truss to tri hanical connectior e capable of withst t at joint 3 and 5 lb designed in accord Residential Code nd referenced stan Standard	at roof le other lir or a 10.1 with any l for a liv s where Il fit betw uss conr h (by oth anding 1 uplift at dance w sections	bad of 20.0 p ve loads.) psf bottom other live loa e load of 20.1 a rectangle veen the bott nections. ers) of truss i lb uplift at jo joint 4. ith the 2018 is R502.11.1 a	sfon ads. Opsf om to pint				ORTH CA ORTHESS SEA 0363	L EEER. AL
													16 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com) March 16,2023



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	D1	Jack-Closed	4	1	Job Reference (optional)	157188486

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:17 ID:RCfP4XKXqrV4?g1objzpI?zaLQs-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-4-8 2x4 🛛 2³ ø 12 12 ⊏ 5-5-8 5-5-8 3x6 🖌 7 1-1-0 F\$ 6 5 X 4 2x4 II 4x5 =



Scale = 1:39.9

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.53 0.19 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.03 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood shea 4-4-8 oc purlins, exc Rigid ceiling directly bracing.	ept end verticals. applied or 10-0-0 od c 13) C 11), 6=-16 (LC 10 C 20), 6=218 (LC 20 pression/Maximum 48/118, 2-3=-20/0,	c 8))) 9)	on the botton 3-06-00 tall li chord and an Refer to gird Provide mec bearing plate joint 5. H10A Simps connect trus This connect lateral forces This truss is International	designed in acco Residential Code nd referenced sta	as where vill fit betv s. russ conr on (by oth tanding 1 nnectors due to U ily and do rdance w e sections	a rectangle ween the bott nections. ers) of truss 02 lb uplift a recommende PLIFT at jt(s bes not consi ith the 2018 \$ R502.11.1 a	to to t ed to) 6. der				wegnit. 30 ib	1 1 - 2078
NOTES	E 7-16: Vult=130mph	(3-second gust)											

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



March 16,2023

Page: 1

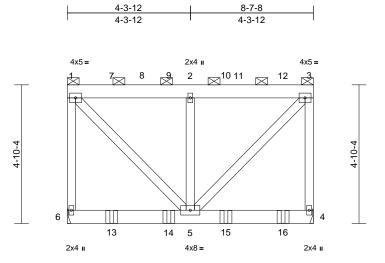


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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	E1GR	Flat Girder	1	2	Job Reference (optional)	157188487

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:18 ID:MpfOXNxzDgjfCT6AtkaZKxzB_qz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:40.4

				_								
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.03	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 149 lb	FT = 20%
LUMBER 3) Wind: ASCE 7-16; Vult=130mph (3-second gust) 15) Hanger(s) or other conn									connection devi	ce(s) shall be		

- TOP CHORD
 2x6 SP No.2

 BOT CHORD
 2x6 SP No.2

 WEBS
 2x4 SP No.3

 BRACING
 2-0-0 oc purlins (6-0-0 max.): 1-3, except end verticals.

 BOT CHORD
 2-0-0 oc purlins (6-0 or max.): 1-3, except end verticals.

 BOT CHORD
 Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS
 (size)
 4= Mechanical, 6= Mechanical Max Horiz
 6=-151 (LC 8)

 Max Uplift
 4=-331 (LC 9), 6=-302 (LC 8)
 Max Grav
 4=3505 (LC 1), 6=3241 (LC 1)

 FORCES
 (lb) - Maximum Compression/Maximum Tension
 TOP CHORD
 1-6=-3021/253, 1-2=-1487/165,
- TOP CHORD
 1-6=-3021/253, 1-2=-148//165, 2-3=-1487/165, 3-4=-3221/255

 BOT CHORD
 5-6=-132/118, 4-5=-56/43

 WEBS
 1-5=-288/2161, 2-5=-2423/107, 3-5=-288/2161
- NOTES
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows
- staggered at 0-9-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

- 3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- 6) Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 6 and 331 lb uplift at joint 4.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-6-12 from the left end to 7-6-12 to connect truss(es) to front face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.

15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 878 lb down and 11 lb up at 0-1-12, 867 lb down and 5 lb up at 1-6-12, 867 lb down and 5 lb up at 3-6-12, 867 lb down and 5 lb up at 5-6-12, and 868 lb down and 6 lb up at 7-6-12, and 878 lb down and 13 lb up at 8-5-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

- Uniform Loads (lb/ft)
 - Vert: 1-3=-60, 4-6=-20
- Concentrated Loads (lb)
- Vert: 1=-859, 3=-859, 7=-827, 9=-827, 10=-827, 12=-829, 13=-263 (F), 14=-263 (F), 15=-263 (F),
- 12=-829, 13= 16=-264 (F)
 - SEAL 036322 March 16,2023

March 10,2023

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818 Soundside Road

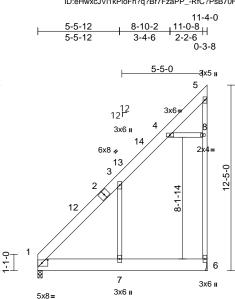
Edenton, NC 27932

Job	Truss	Truss Type Qty Ply Abby plan		Abby plan		
23030004-01	F1	Roof Special	3	1	Job Reference (optional)	157188488

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:18 ID:eHwxcJVi1kPloFh?q?Br7FzaPP_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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Page: 1



12-5-0

<u>5-5-12</u><u>11-4-0</u> 5-5-12<u>5-10-4</u>

Scale = 1:77.1

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

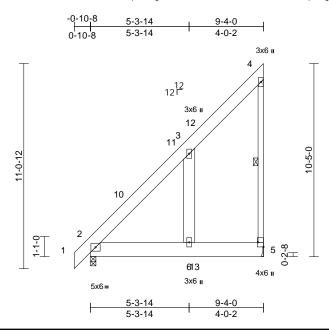
Fiale Olisels ((,, 1). [1.0-4-12,0-2-0]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL LUMBER TOP CHORD BOT CHORD	2x10 SP 2400F 2.0E	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	on the bo 3-06-00	CSI TC BC WB Matrix-MSH ss has been designe ttom chord in all area all by 2-00-00 wide w	as where vill fit betv	a rectangle	•	(loc) 6-7 6-7 1 6-7	l/defl >999 >866 n/a >999	L/d 240 180 n/a 360	PLATES MT20 Weight: 123 lb	GRIP 244/190 FT = 20%		
WEBS BRACING	2x4 SP No.2			d any other members ead load (5.0 psf) on		(s). 3-4. 4-8:	Wall							
TOP CHORD		0 7 11	ed or dead loa	d (5.0psf) on member	r(s).3-7									
BOT CHORD	COT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.													
REACTIONS	0	C 11)	bearing p 6. 10) This trus	late capable of withs s is designed in acco	tanding f	10 Ib uplift at	t joint							
FORCES	(lb) - Maximum Com		/ Internatio	nal Residential Code 2 and referenced sta			and							
TOP CHORD	Tension 1-3=-676/390, 3-4=-3 6-8=-362/238, 5-8=-3		010 [′]	n checked for L/360 ((S) Standard	deflectior	1.								
	1-7=-412/294, 6-7=-													
WEBS	3-7=-357/406, 4-8=-2	219/135												
NOTES		(a)										10.		
Vasd=103 Cat. II; Ex zone and 3-0-0 to 1 end vertica forces & M	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B(p B; Enclosed; MWFR3; C-C Exterior(2E) 0-0-0 1-2-4 zone; cantilever I al left and right expose MWFRS for reactions sl plate grip DOL=1.60	CDL=6.0psf; h=25ft S (envelope) exterio to 3-0-0, Interior (1 eft and right expose d;C-C for members	or) ed ;						4	in i	OPTESS OPTESS SEA	ROUN		
Plate DOL	CE 7-16; Pr=20.0 psf (=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat B Ct=1.10	um DOL=1.15 Plate	9								0363	22		
3) Unbalance	ed snow loads have be	en considered for th	his							3.5	NGIN	FERMAN		
design.	has been designed for	a 10.0 pef bottom								11	210	BELIN		
	load nonconcurrent wi		ds.								111111	16,2023		



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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	G1	Roof Special	5	1	Job Reference (optional)	157188489

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:19 ID:qlkEm7gwQEV7J?1RS9vM0VzaPNU-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:62.2 Plate Offsets (X, Y): [5:Edge.0-3-8]

Plate Offsets	(X, Y): [5:Edge,0-3-8]	-										-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.92 0.13 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.04 -0.06 0.01	(loc) 6-9 6-9 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 112 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x10 SP 2400F 2.0E 2x4 SP No.3 *Excep 2.0E Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt	t* 3-6:2x8 SP 2400F athing directly applie cept end verticals. applied or 10-0-0 oc 4-5 5= Mechanical C 13) C 11)	6) d or : 7) 8) 9)	load of 12.0 overhangs n This truss ha chord live loa * This truss h on the bottor 3-06-00 tall h chord and ar Refer to gird Provide mec bearing plate joint 5. This truss is International	as been designed fi psf or 1.00 times fl on-concurrent with as been designed fi ad nonconcurrent w has been designed in chord in all areas by 2-00-00 wide wi by other members, er(s) for truss to tru hanical connection thanical connection e capable of withsta designed in accord Residential Code ind referenced stan	at roof I other Ii or a 10. vith any for a Iiv s where Il fit betw with BC uss conu (by oth anding 1 dance w sections	bad of 20.0 p ve loads. 0 psf bottom other live loa re load of 20.1 a rectangle veen the bott CDL = 10.0psi hections. ers) of truss t 159 lb uplift at ith the 2018 \pm R502.11.1 a	sf on lds. 0psf om f. to t					
FORCES TOP CHORD BOT CHORD	4-5=-249/105 2-6=-210/163, 5-6=-	186, 3-4=-187/151,)) Attic room ch DAD CASE(S)	necked for L/360 de Standard	eflectior	1.						
WEBS NOTES	3-6=-287/263 CE 7-16; Vult=130mph	(2 cocord quet)										TH CA	ROUT
Vasd=103 Cat. II; Ex zone and 2-1-8 to 4 cantilever right expo for reactic DOL=1.6(2) TCLL: AS Plate DOI	3mph; TCDL=6.0psf; Bi xp B; Enclosed; MWFR C-C Exterior(2E) -0-10 I-11-5, Exterior(2R) 4-1 I left and right exposed based;C-C for members ons shown; Lumber DC 0 GCE 7-16; Pr=20.0 psf (L L=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	CDL=6.0psf; h=25ft; S (envelope) exterior I-8 to 2-1-8, Interior (1-5 to 9-2-4 zone; ; end vertical left anc and forces & MWFR: IL=1.60 plate grip roof LL: Lum DOL=1 um DOL=1.15 Plate	1) J S .15							Martin Martin		SEA 0363	• –

- cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2)
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

GI

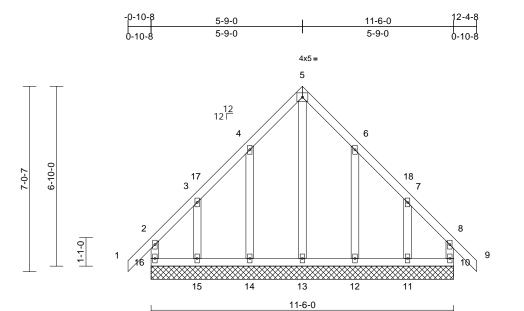
March 16,2023

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	H1	Common Supported Gable	1	1	Job Reference (optional)	157188490

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:19 ID:5WOxbeU30X?NSWy6IFBdnXzaLQg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale	- 1	120

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC20	18/TPI2014	CSI TC BC WB Matrix-MR	0.20 0.08 0.31	()	in n/a n/a 0.00	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 76 I	GRIP 244/190 lb FT = 20	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	6-0-0 oc Rigid ceil bracing.	o.2 o.3 o.3 I wood she purlins, ex ing directly 10=11-6-	eathing directly applied cept end verticals. / applied or 6-0-0 oc 0, 11=11-6-0, 12=11-6	6-0, ³	Vasd=103m Cat. II; Exp I zone and C- 2-1-8 to 2-9- 8-9-0 to 9-4- cantilever let right expose for reactions DOL=1.60 Truss desig	7-16; Vult=130m bh; TCDL=6.0psf; 3; Enclosed; MWI C Corner(3E) -0- 0, Corner(3R) 2-6 8, Corner(3R) 9-4 t and right exposed d;C-C for membe shown; Lumber I ned for wind load dds exposed to wi	BCDL=6 FRS (env 10-8 to 2- 0-0 to 8-9 8 to 12 ed ; end v rs and fo DOL=1.60 s in the p	0.0psf; h=25ft; elope) exterio 1-8, Exterior(2 0, Exterior(2 4-8 zone; vertical left and cces & MWFR) plate grip lane of the tru	r 2N) V) d S Ss	reco UPI upli 15) This Inte	IFT at j IFT at j ft only a truss is rnationa 02.10.2 a	led to o t(s) 14 nd doe desig al Resig and ref	L connector (connect truss , 15, 12, and s not conside ned in accord dential Code s ierenced stand ndard	to bearing wa 11. This conner Iateral force lance with the sections R502	Alls due to ection is for s. 2018 2.11.1 and
	·	16=11-6- 16=-186 10=-76 (l 12=-90 (l 15=-148 10=168 (12=287 (5),), 0) 5), g	see Standar or consult qu) TCLL: ASCE Plate DOL= DOL=1.15); Cs=1.00; Ct:) Unbalanced design.	d Industry Gable ialified building de 7-16; Pr=20.0 ps 1.15); Pf=20.0 psf Is=1.0; Rough Ca	End Deta esigner as of (roof LI (Lum DC t B; Fully been cor	ils as applicat s per ANSI/TF .: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9 nsidered for th	ble, Pl 1. .15 ; is						
FORCES	(lb) - Max Tension	16=180 (timum Cor	LC 25) npression/Maximum	_	load of 12.0 overhangs n	psf or 1.00 times on-concurrent wit	flat roof le h other li	oad of 20.0 ps /e loads.						1000	
TOP CHORD	2-16=-14 3-4=-88/2	205, 4-5=- 205, 7-8=-	=0/43, 2-3=-121/117, 56/340, 5-6=-156/340 04/102, 8-9=0/43,), g	 Gable requir Truss to be f braced again 	2x4 MT20 unles es continuous bo fully sheathed from st lateral movem spaced at 2-0-0 c	ttom chor n one fac ent (i.e. c	d bearing. e or securely			L	zin	ORTHO	SARO	N
BOT CHORD	15-16=-9 13-14=-9	0/125, 14- 0/125, 12-	15=-90/125, 13=-90/125, 11=-90/125	1	1) This truss ha	spaced at 2-0-0 o as been designed ad nonconcurrent nas been designe	for a 10. with any	other live load			1111		SE	EAL	A IN
WEBS	5-13=-39	1/113, 4-1	4=-246/167,			n chord in all area			P31		Ξ		036	5322	÷ Ξ.

3-15=-144/194, 6-12=-246/167, 7-11=-144/194

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 16 and 76 lb uplift at joint 10.

Page: 1



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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J1	Jack-Open	16	1	Job Reference (optional)	157188491

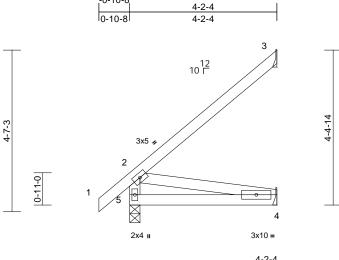
-0-10-8

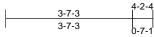
Carter Components (Sanford), Sanford, NC - 27332,

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:19 ID:gxipycRBjcdob3DXd6ew9uzaLQj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1







Scale = 1:32.8

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2	014	CSI TC BC WB Matrix-MP	0.51 0.20 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.03 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%
1	4-2-4 oc purlins, ex Rigid ceiling directly bracing.	v applied or 10-0-0 oc anical, 4= Mechanica C 14) C 14), 4=-1 (LC 14)	chor 6) * Th on th d or 7) Refe 8) Prov bear I, 9) This Inter R80	d live loa s truss h e bottor 00 tall h d and ar r to gird ide mec ing plate d 1 lb up truss is national 2.10.2 a	is been designed fr ad nonconcurrent w has been designed in chord in all areas by 2-00-00 wide will by other members. er(s) for truss to tru hanical connection a capable of withsta- blift at joint 4. designed in accord Residential Code ind referenced stam Standard	with any I for a liv s where II fit betv uss conr n (by oth anding 9 dance w sections	other live load e load of 20. a rectangle veen the bott nections. ers) of truss 14 lb uplift at ith the 2018 s R502.11.1 a	Opsf com to joint					
Vasd=103n Cat. II; Exp zone and C exposed; e members a Lumber DC 2) TCLL: ASC Plate DOL= DOL=1.15) Cs=1.00; C 3) Unbalanced design. 4) This truss h load of 12.0	(lb) - Maximum Con Tension 2-5=-280/46, 1-2=0, 4-5=-273/79 2-4=-80/278 E 7-16; Vult=130mpt mph; TCDL=6.0psf; B B; Enclosed; MWFRS C-Exterior(2E) zone end vertical left and ri and forces & MWFRS DL=1.60 plate grip DC E 7-16; Pr=20.0 psf (L ; Is=1.0; Rough Cat B (t=1.15); Pf=20.0 psf (L ; Is=1.0; Rough Cat B (t=1.10) d snow loads have be has been designed fo 0 psf or 1.00 times fla non-concurrent with	(39, 2-3=-132/103 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterio ; cantilever left and r ght exposed;C-C for for reactions shown; DL=1.60 (roof LL: Lum DOL=1 .15 Plate B; Fully Exp.; Ce=0.9 een considered for th r greater of min roof t roof load of 20.0 ps	ight .15 ; is									SEA 0363	22 EER C

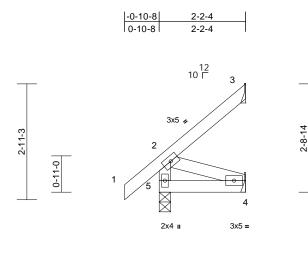
March 16,2023

AMITEK AMMINE B18 Soundside Road Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J2	Jack-Open	2	1	Job Reference (optional)	157188492

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:20 ID:Ck8RIGRYyJVxzveL3P7hdhzaLQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:29.2

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI20	TO BO W		0.12 0.04 0.06	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 13 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 2-2-4 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mecha 5=0-3-8 Max Horiz 5=78 (LC Max Uplift 3=-39 (LC Max Grav 3=70 (LC	cept end verticals. applied or 10-0-0 oc anical, 4= Mechanica 14) 2 14), 4=-16 (LC 14)	chord 6) * This on th 3-06- chord 7) Refer 8) Provi beari 3 and II, 9) This Interr R802	live load n truss has bottom ch 00 tall by 2 and any o to girder(s le mechan g plate ca 16 lb upliff russ is des ational Res	een designed for nonconcurrent wi been designed fi hord in all areas ' 2-00-00 wide will' other members. s) for truss to trus nical connection (apable of withstar ft at joint 4. signed in accorda sidential Code se referenced stand Standard	ith any for a liv where fit betw ss conr (by oth nding 3 ance w ections	other live loa e load of 20.0 a rectangle veen the botto ections. ers) of truss t 9 lb uplift at j th the 2018 R502.11.1 a	Opsf om o oint						
Vasd=10 Cat. II; Ex zone and exposed members Lumber D Plate DO DOL=1.1: Cs=1.00; 3) Unbalanc design. 4) This truss load of 12	4-5=-197/39 2-4=-41/208 CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B gp B; Enclosed; MWFR C-C Exterior(2E) zone ; end vertical left and riu and forces & MWFRS 0OL=1.60 plate grip DC CCE 7-16; Pr=20.0 psf (L L=1.15); Pf=20.0 psf (L 55); Is=1.0; Rough Cat E	63, 2-3=-77/44 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and r ght exposed;C-C for for reactions shown; J=1.60 roof LL: Lum DOL=1 um DOL=1.15 Plate ; Fully Exp.; Ce=0.9 sen considered for th r greater of min roof t roof load of 20.0 ps	r ight .15 ; is live							M. CONTRACTOR		SEA 0363	ER A I	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

818 Soundside Road Edenton, NC 27932

March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J2GR	Half Hip Girder	2	1	Job Reference (optional)	157188493

2-2-4

2-2-4

-0-10-8

0-10-8

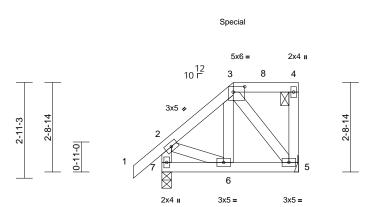
Carter Components (Sanford), Sanford, NC - 27332,

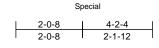
Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:20 ID:9xrTtO4oTbAQq2CXg1Z7GszaLPv-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-2-4

2-0-0

Page: 1





Scale = 1:35.3

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

	,,,,,): [0:0 1 1,0 2 0]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 NO IRC2018	8/TPI2014	CSI TC BC WB Matrix-MP	0.14 0.05 0.04	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 6 5-6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 29 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 4-2-4 oc purlins, ex 2-0-0 oc purlins: 3-4 Rigid ceiling directly bracing.	cept end verticals, ar , applied or 10-0-0 oc anical, 7=0-3-8 C 11) C 9), 7=-65 (LC 12)	6) 7) d or nd 8) : : 9) 10	load of 12.0 overhangs n Provide adee This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Refer to gird 0) Provide mec bearing plate 5.	as been designed psf or 1.00 times f psf or 1.00 times f on-concurrent with quate drainage to as been designed ad nonconcurrent nas been designed m chord in all area by 2-00-00 wide w by other members er(s) for truss to tr hanical connection e capable of withst on Strong-Tie con	flat roof I h other li prevent for a 10. with any d for a liv as where rill fit betv russ coni n (by oth tanding 8	oad of 20.0 p ve loads. water pondin 0 psf bottom other live loa e load of 20. a rectangle veen the bott nections. ers) of truss i 44 lb uplift at j	sf on g. ads. Opsf om to joint				ads (lb)), 6=-1 (B)	
FORCES TOP CHORD		68, 3-4=-31/24,		connect trus	s to bearing walls tion is for uplift onl	due to L	PLIFT at jt(s)) 7.					
,	3-6=-26/76, 3-5=-15 ed roof live loads have	/103 7/87, 2-6=-49/132	13	International R802.10.2 a Graphical pu or the orienta	designed in accor Residential Code nd referenced star Irlin representation ation of the purlin	sections ndard Al	s R502.11.1 a NSI/TPI 1. ot depict the s					WH CA	Route
Vasd=103 Cat. II; Ex zone; can and right e DOL=1.60	CE 7-16; Vult=130mph mph; TCDL=6.0psf; Bi p B; Enclosed; MWFR tilever left and right exp exposed; Lumber DOL	CDL=6.0psf; h=25ft; S (envelope) exterior posed ; end vertical I =1.60 plate grip	eft	provided suf- lb down and down and 48 design/selec responsibility	other connection ficient to support of 89 lb up at 2-2-4 8 lb up at 2-2-4 or tion of such connection	concentra on top c bottom ection de	ated load(s) 1 hord, and 42 chord. The vice(s) is the	lb		4	i.	OR FESS SEA 0363	• -
Plate DOL DOL=1.15 Cs=1.00;	=1.15); Pf=20.0 psf (L i); Is=1.0; Rough Cat E	um DOL=1.15 Plate 3; Fully Exp.; Ce=0.9	; LC 1)	of the truss are noted as front (F) or back (B). LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15								EER. KIN	

March 16,2023

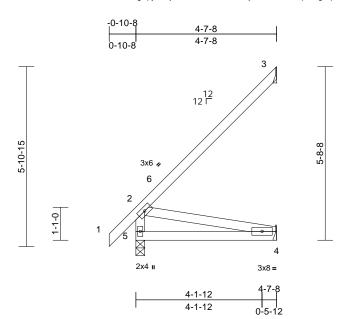
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J3	Jack-Open	4	1	Job Reference (optional)	157188494

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:21 ID:gxipycRBjcdob3DXd6ew9uzaLQj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:37.9

Loading TCLL (roof) Snow (Pf) TCDL BCLL	(psf) 20.0 20.0 10.0 0.0*	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-MP	0.67 0.25 0.11	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.05 -0.01	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 26 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	bracing.	cept end verticals. applied or 9-7-15 or anical, 4= Mechanica C 14) C 14), 4=-10 (LC 14	chord liv 6) * This tru on the bo 3-06-00 chord an 7) Refer to 8) Provide i bearing i joint 3 ar II, 9) This trus Internatic R802.10	s has been designed e load nonconcurrent ss has been designed tom chord in all are all by 2-00-00 wide v d any other members girder(s) for truss to 1 nechanical connectic late capable of withs d 10 lb uplift at joint s is designed in acco nal Residential Code 2 and referenced sta (S) Standard	with any ed for a liv as where vill fit betv s. aruss coni on (by oth standing 1 4. wrdance w e sections	other live load re load of 20.0 a rectangle veen the botto nections. ers) of truss tr 30 lb uplift at ith the 2018 s R502.11.1 a	Opsf om o					
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD BOT CHORD WEBS	Tension 2-5=-282/0, 1-2=0/4 4-5=-364/105 2-4=-107/371	3, 2-3=-196/131										
NOTES	2											
1) Wind: ASC Vasd=103 Cat. II; Ex zone and exposed ; members Lumber D	CE 7-16; Vult=130mph mph; TCDL=6.0psf; B p B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and rig and forces & MWFRS OL=1.60 plate grip DC CE 7-16; Pr=20.0 psf (CDL=6.0psf; h=25ft; S (envelope) exterio ; cantilever left and r ght exposed;C-C for for reactions shown DL=1.60	r ight ;						4		OR FESE	ROLL
Plate DOL	=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	um DOL=1.15 Plate							11111		SEA 0363	• -
3) Unbalance	ed snow loads have be	en considered for th	is							-	. A.	a
load of 12	has been designed fo .0 psf or 1.00 times fla s non-concurrent with o	t roof load of 20.0 ps									A. C	EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science United for the Structure Buckling Component Advance Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

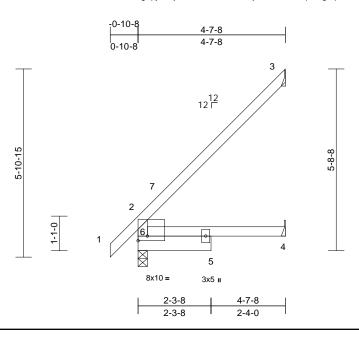


818 Soundside Road Edenton, NC 27932

March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J3T	Jack-Open	5	1	Job Reference (optional)	157188495

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:21 ID:gxipycRBjcdob3DXd6ew9uzaLQj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:36.2

Plate Offsets (X, Y): [6:Edge,0-1-12]

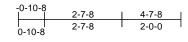
Plate Olisets	(A, T). [6.Euge,0-1-12	.]										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI20	CSI TC BC WB 014 Matrix-MR	0.94 0.32 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.03 -0.03 -0.03	(loc) 4-6 4-6 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD	2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.3 Structural wood she 4-7-8 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mecha 6=0-3-8 Max Horiz 6=184 (LC Max Uplift 3=-118 (L Max Grav 3=203 (LC (LC 21) (lb) - Maximum Com Tension 2-6=-313/73, 1-2=0/	athing directly applie cept end verticals. ^a applied or 6-0-0 oc anical, 4= Mechanica C 14) C 14), 4=-19 (LC 14 C 21), 4=90 (LC 7), 6 apression/Maximum	chore 6) * Thi on th 3.06 chore 7) Refe 8) Prov beari al, 9) This Inter R802)	truss has been designed i live load nonconcurrent is truss has been designed be bottom chord in all are of tall by 2-00-00 wide v and any other members to girder(s) for truss to i de mechanical connection g plate capable of withs 1 19 lb uplift at joint 4. truss is designed in acco national Residential Cod. .10.2 and referenced sta ASE(S) Standard	t with any ed for a liv as where will fit betv s. truss coni on (by oth standing 1 ordance w e sections	other live load e load of 20. a rectangle veen the bott nections. ers) of truss 18 lb uplift a ith the 2018 s R502.11.1 a	0psf .om to t joint				weight: 25 lb	FT = 20%
Vasd=100 Cat. II; Ex zone and exposed ; members Lumber D 2) TCLL: AS Plate DOI DOL=1.10 Cs=1.00; 3) Unbalanc design. 4) This truss load of 12	CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B qp B; Enclosed; MWFR C-C Exterior(2E) zone ; end vertical left and ri and forces & MWFRS OCL=1.60 plate grip DC SCE 7-16; Pr=20.0 psf (L 5); Is=1.0; Rough Cat E Ct=1.10 sed snow loads have be a has been designed fo 2.0 psf or 1.00 times fla s non-concurrent with o	CDL=6.0psf; h=25ft; S (envelope) exterio ; cantilever left and r ght exposed;C-C for for reactions shown bL=1.60 roof LL: Lum DOL=1 um DOL=1.15 Plate 3; Fully Exp.; Ce=0.9 even considered for th r greater of min roof t roof load of 20.0 ps	r ight ; 1.15 ; is live						10	S.	SEA 0363	L 22 EEER H



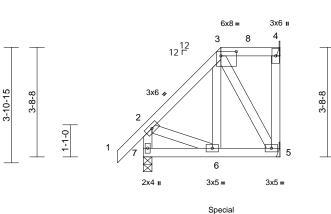
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J4	Half Hip Girder	1	1	Job Reference (optional)	157188496

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:21 ID:hIH5g23AiH2ZCudK6K2ukfzaLPw-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff



Special



2-5-12 4-7-8 2-1-12 2-5-12

Scale = 1:39

Plate Offsets (X, Y): [3:0-6-4,0-1-12]

	() / [/-													
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	0.00	6	>999	240	MT20	244/190		
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	6-7	>999	180	-			
TCDL	10.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	4	n/a	n/a				
BCLL	0.0*	Code	IRC2018/TPI2											
BCDL	10.0		11(02010/11/12								Weight: 36 lb	FT = 20%		
LUMBER			4) Unba	lanced snow loads hav	a been co	nsidered for th	nie	1) D	and ± Sr	ow (b	, ,	r Increase=1.15, Plate		
TOP CHORD	2x4 SP No.2		desi				115	'	crease=	``				
BOT CHORD				truss has been designe	d for areat	er of min roof	live		niform Lo		b/ft)			
WEBS	2x4 SP No.3			of 12.0 psf or 1.00 time				-		`	2-3=-60, 3-4=-6	0. 5-7=-20		
BRACING			over	nangs non-concurrent w	ith other li	ve loads.		C	oncentra	,	,	-,		
TOP CHORD	Structural wood she	athing directly applie	dor 6) Prov	de adequate drainage t	o prevent	water ponding] .				B), 6=-11 (B)			
	4-7-8 oc purlins, ex			truss has been designe	d for a 10.	0 psf bottom				```	,, ()			
	2-0-0 oc purlins: 3-4		chor	d live load nonconcurrer										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	, ,	s truss has been design			Opsf							
	bracing.			e bottom chord in all ar										
REACTIONS	(size) 4= Mecha	nical, 5= Mechanica		00 tall by 2-00-00 wide		veen the botto	om							
	7=0-3-8			d and any other membe		tion o								
	Max Horiz 7=137 (LO	C 9)		r to girder(s) for truss to			~							
	Max Uplift 4=-23 (LC	8), 5=-125 (LC 9),		 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 										
	(LC 12)		4 an	4 and 125 lb uplift at joint 5.										
	Max Grav 4=93 (LC			Simpson Strong-Tie c	onnectors	recommende	d to							
	7=392 (L0	,		ect truss to bearing wal										
FORCES	(lb) - Maximum Corr	pression/Maximum		connection is for uplift of										
	Tension		later	al forces.										
TOP CHORD	,	103, 3-4=-44/33, 4-5	i=0/0, 12) This	truss is designed in acc	ordance w	ith the 2018								
	2-7=-372/93	7/100		national Residential Coo			nd				minin	1111		
BOT CHORD	,			2.10.2 and referenced st							WAH CA	Rollin		
WEBS	3-6=-39/107, 3-5=-2	33/150, 2-6=-70/158	10) 010	hical purlin representati			size			- 2	R	· · · · · · ·		
NOTES				e orientation of the purli	n along the	e top and/or				1.	O FESS	Olivin		
	ed roof live loads have	been considered fo		m chord.		and Cont				22		12 In		
this design		(0))		between inside of top c						-	27 -			
	CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B		0	onal or vertical web shal ger(s) or other connection					-		SEA	1 1 1		
	p B; Enclosed; MWFR			ded sufficient to suppor			77		=	:	SL/			
	tilever left and right ex			wn and 135 lb up at 2-3					=		0363	22 : =		
	exposed; Lumber DOL			and 62 lb up at 2-7-8								1 E		
DOL=1.60		P 3 P		n/selection of such con					Sanna San	1	N	- A 1 - E		
	- CE 7-16; Pr=20.0 psf (roof LL: Lum DOL=		onsibility of others.						2.0	S. SNOW	EEM AN		
	_=1.15); Pf=20.0 psf (L			e LOAD CASE(S) section	n, loads a	pplied to the f	ace			1	PL	5. 64 1		
DOL=1.15	5); Is=1.0; Rough Cat E	3; Fully Exp.; Ce=0.9	; of th	e truss are noted as fror	it (F) or ba	ck (B).				1	A C	BEN		
Cs=1.00;	Ct=1.10		LOAD C	ASE(S) Standard							in the second			
											Morel	16 2023		

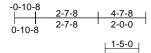
March 16,2023

Page: 1

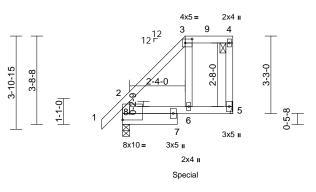
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCEL Building Component Science Use Component Categories (http://www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

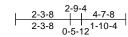
Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	J4T	Half Hip Girder	1	1	Job Reference (optional)	157188497

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:22 ID:9xrTt04oTbAQq2CXg1Z7GszaLPv-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1









Scale = 1:48.4

Loading (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Plate Grip DOL1.Lumber DOL1.Rep Stress IncrNo	0-0 15 15 0 2C2018/TPI2014	CSI TC BC WB Matrix-MR	0.32 0.37 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.03 -0.03 0.01	(loc) 6 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 31 lb	GRIP 244/190 FT = 20%
4-7-8 oc purlins, exc 2-0-0 oc purlins: 3-4. 3OT CHORD Rigid ceiling directly bracing.	athing directly applied or pept end verticals, and applied or 10-0-0 oc nical, 8=0-3-8 (29), 8=-78 (LC 12) (29), 8=391 (LC 34) pression/Maximum 35, 3-4=-64/55, 15/77 65 been considered for (3-second gust) DL=6.0psf; h=25ft; 6 (envelope) exterior osed ; end vertical left =1.60 plate grip coof LL: Lum DOL=1.15 Jm DOL=1.15 Plate ; Fully Exp.; Ce=0.9;	 load of 12.0 overhangs n 6) Provide ader 7) This truss has chord live loc 8) * This truss I on the botton 3-06-00 tall I chord and au 9) Refer to gird 10) Provide mechanism 10) Provide mechanism 11) H10A Simps connect truss This connect truss This connect truss This connect truss and the truss is International R802.10.2 a 13) Graphical pu or the orients bottom chord 14) Hanger(s) on provided suff Ib down and down and 52 design/selec responsibility 15) In the LOAD of the truss as LOAD CASE(S) 1) Dead + Snot Increase=1 Uniform Lo 	designed in accord Residential Code : nd referenced stan irlin representation ation of the purlin a d. to ther connection of ficient to support or 142 lb up at 2-7-8 lb up at 2-7-8 on tion of such conner of others. CASE(S) section, are noted as front (I Standard bw (balanced): Lun 15	at roof lo other liv revent v for a 10.0 where fit betw ss conr (by othen nding 1 ectors r ue to U and do ance wi sections dard AN does no long the levice(s on contra on top bottom ction de tion de bottom ction de bottom ction de bottom	ad of 20.0 p re loads. vater ponding of psf bottom other live load e load of 20.1 a rectangle recen the botth ections. ers) of truss f 45 lb uplift at ecommende PLIFT at jt(s) es not consid th the 2018 R502.11.1 a SI/TPI 1. t depict the s top and/or) shall be ted load(s) 1 chord, and 55 chord. The <i>vice</i> (s) is the uplied to the f ck (B).	sf on g. dds. Dpsf om to to d to a. der der size 64 9 lb			-91 (F)	ads (lb)), 6=-25 (F) (H CA (G) (FES	L 22 EER. A

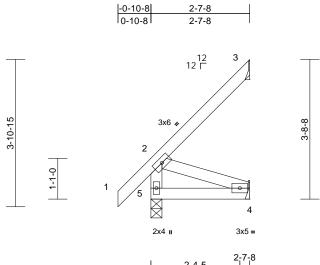
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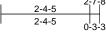


Job	Truss	Truss Type	Qty	Ply	Abby plan		
23030004-01	J5	Jack-Open	1	1	Job Reference (optional)	157188498	

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:22 ID:Ck8RIGRYyJVxzveL3P7hdhzaLQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





2-7-8

Scale = 1:30.6

	L (roof) w (Pf) L		(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MP	0.13 0.07 0.09	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4-5 4-5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 16 lb	GRIP 244/190 FT = 20%
TOP BOT WEE BRA TOP BOT	CHORD CHORD CHORD	2-7-8 oc p Rigid ceilir bracing. (size) Max Horiz Max Uplift Max Grav	.2 wood she urlins, exi ng directly 3= Mecha 5=0-3-8 5=110 (LC 3=-63 (LC 3=101 (LC	athing directly applie cept end verticals. applied or 10-0-0 oc nical, 4= Mechanical 2 14) 14), 4=-26 (LC 14) 2 21), 4=50 (LC 7), 5	6) d or 7) 8) ^{1,} 9)	chord live loa * This truss h on the bottom 3-06-00 tall b chord and an Refer to girdd Provide meci bearing plate 3 and 26 lb u This truss is a International	s been designed for d nonconcurrent w as been designed n chord in all areas y 2-00-00 wide wil y other members. er(s) for truss to tru- nanical connection capable of withsta plift at joint 4. designed in accord Residential Code s d referenced stand Standard	vith any for a liv s where I fit betv uss conr (by oth anding 6 lance w sections	other live loa e load of 20.0 a rectangle veen the botto nections. ers) of truss t 3 lb uplift at j ith the 2018 : R502.11.1 a	Opsf om o oint					
(LC 21) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-5=-249/5, 1-2=0/74, 2-3=-106/64 BOT CHORD 4-5=-278/59															
2 2 6	ES Wind: ASC Vasd=103 Cat. II; Exp zone and C exposed ; members a	mph; TCDL= b B; Enclose C-C Exterior end vertical	t=130mph =6.0psf; B0 d; MWFR (2E) zone left and rig MWFRS	(3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior cantilever left and ri ht exposed;C-C for for reactions shown; L=1 60	ght							4		ORTH CA	ROLL
2) - I I	TCLL: ASC Plate DOL	CE 7-16; Pr= =1.15); Pf=2); Is=1.0; Ro	20.0 psf (0.0 psf (L	roof LL: Lum DOL=1 um DOL=1.15 Plate ; Fully Exp.; Ce=0.9;								11111		SEA 0363	• -
 Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. 												J , (11) (11)		111111	EER. KINN

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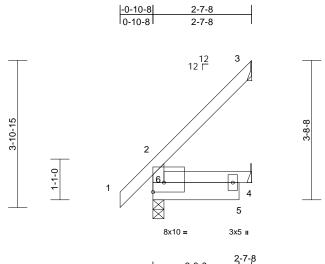
818 Soundside Road Edenton, NC 27932

March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan		
23030004-01	J5T	Jack-Open	1	1	Job Reference (optional)	157188499	

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:22 ID: Ck8RIGRYyJVxzveL3P7hdhzaLQk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?ff

Page: 1



2-3-8 0-4-0 2-3-8

2-7-8

Scale = 1:30.7

Plate Offsets (X, Y): [6:Edge,0-3-0]

Plate Olisets	(X, Y): [6:Edge,0-3-0]	-										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2	CSI TC BC WB 2014 Matrix-MR	0.47 0.06 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 -0.01	(loc) 4-6 4-6 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%
BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD NOTES 1) Wind: AS Vasd=10 Cat. II; E: zone and exposed members Lumber I 2) TCLL: AS Plate DO	10.0 2x4 SP No.2 2x6 SP No.2 *Excep 2x4 SP No.3 Structural wood she 2-7-8 oc purlins, ex Rigid ceiling directly bracing. (size) 3= Mecha 6=0-3-8 Max Horiz 6=111 (LC Max Uplift 3=-68 (LC Max Uplift 3=-68 (LC Max Grav 3=97 (LC (LC 21) (lb) - Maximum Com Tension 0 2-6=-254/80, 1-2=0/ 0 4-6=-15/2 SCE 7-16; Vult=130mph 3mph; TCDL=6.0psf; Br xp B; Enclosed; MWFR SOL = 1.60 plate grip DC SCE 7-16; Pr=20.0 psf (L L=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	t* 6-4:2x4 SP No.2 athing directly applie cept end verticals. applied or 6-0-0 oc inical, 4= Mechanica C 14) 2 1), 4=-18 (LC 14) 2 1), 4=49 (LC 7), 6= pression/Maximum 74, 2-3=-120/56 (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior is cantilever left and 1 pht exposed;C-C for for reactions shown vL=1.60 roof LL: Lum DOL=1	5) This cho 6) * Th on t 3-00 ed or 7) Ref 8) Pro bea 3 ar 3 ar 9) This Inte R80 =273 LOAD (115	truss has been desi rd live load nonconcu is truss has been de he bottom chord in a 5-00 tall by 2-00-00 w rd and any other mer er to girder(s) for trus vide mechanical com ring plate capable of rd 18 lb uplift at joint is truss is designed in rnational Residential 2.10.2 and reference CASE(S) Standard	gned for a 10. Irrent with any signed for a liv II areas where vide will fit betw nbers. is to truss com- nection (by oth withstanding 6 4. accordance w Code sections	other live load re load of 20. a rectangle veen the bott nections. ers) of truss 88 lb uplift at ith the 2018 \$ R502.11.1 a	.0psf tom to joint				Weight: 17 Ib WHICH CA ORTH CA ORTH CA ORTH CA ORTH CA ORTH CA ORTH CA ORTH CA	
design. 4) This truss load of 12	ced snow loads have be s has been designed fo 2.0 psf or 1.00 times fla ps non-concurrent with o	r greater of min roof t roof load of 20.0 ps	live									EER. HLBERTIN n 16,2023

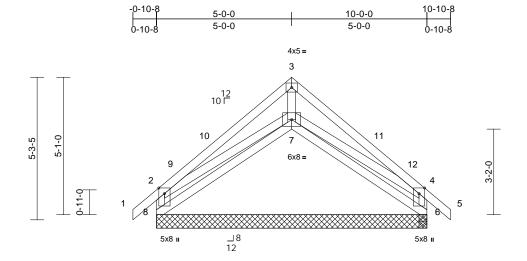
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and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	К1	Scissor	1	1	Job Reference (optional)	157188500

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:23 ID:hQwHqCzz4B0MeEzu8MdhxVzVjcX-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:42.6				0-3-0				-	0-、	5-0			
Loading TCLL (roof) Snow (Pf) TCDL 3CLL 3CDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-MSH	0.65 0.20 0.13	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.04 0.00	(loc) 7-8 7-8 6	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 62 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 Structural wood she 6-0-0 oc purlins, exi Rigid ceiling directly bracing. (size) 6=10-0-0, Max Horiz 8=-140 (L Max Uplift 6=-107 (L Max Grav 6=345 (LC 8=345 (LC (Ib) - Maximum Com Tension 1-2=0/39, 2-3=-260/ 4-5=0/39, 2-8=-473/2 7-8=-195/344, 6-7=- 3-7=-186/0, 2-7=-21	cept end verticals. applied or 10-0-0 oc C 12) C 15), 8=-86 (LC 15 C 22), 7=415 (LC 21) C 21) pression/Maximum 145, 3-4=-260/145, 294, 4-6=-473/294 123/344	2 8)), 9) L(load of 12.0 overhangs This truss f chord live live * This truss on the botto 3-06-00 tall chord and a Provide me bearing pla 8 and 107 1 This truss i International	has been designed by psf or 1.00 times i non-concurrent with as been designed bad nonconcurrent has been designed or chord in all area by 2-00-00 wide w any other members bachanical connectio te capable of withs b uplift at joint 6. s designed in accord al Residential Code and referenced sta b) Standard	flat roof I h other li for a 10. with any d for a liv as where vill fit betv a n (by oth tanding & rdance w e sections	oad of 20.0 p ve loads. 0 psf bottom other live load re load of 20. a rectangle ween the bott sers) of truss 36 lb uplift at with the 2018 s R502.11.1 a	osf on ads. Opsf tom to joint					
this desigr	ed roof live loads have n. CE 7-16; Vult=130mph											TH CA	ROUT

- Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Exterior(2R) 2-1-8 to 7-10-8, Exterior(2E) 7-10-8 to 10-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 3) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.



SEAL

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AND DUDING

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	L1	Roof Special	4	1	Job Reference (optional)	157188501

Scale = 1:59

Loading

TCLL (roof)

zone and C-C Exterior(2E) 0-1-8 to 3-1-8, Interior (1) 3-1-8 to 5-3-0, Exterior(2R) 5-3-0 to 11-3-0, Interior (1) 11-3-0 to 18-9-0, Exterior(2E) 18-9-0 to 21-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip

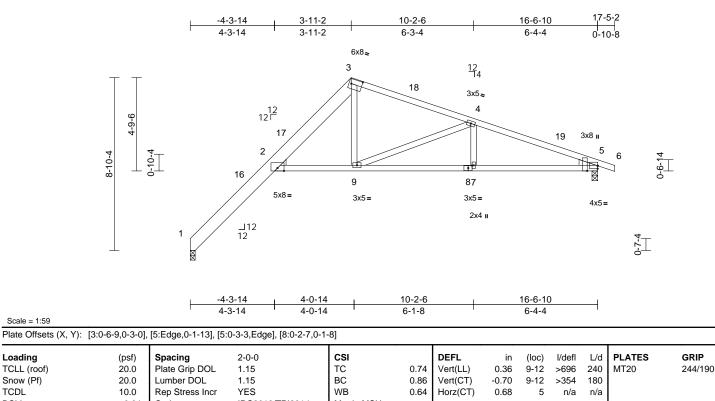
DOL=1.60

Snow (Pf)

TCDL

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:23 ID:DWqklLDhVDnPiMjTBG1CyFzB_KL-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

Page: 1



BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH		
BCDL	10.0					Weight: 104 lb
LUMBER TOP CHORD	2x8 SP 2400F 2.0E No.2	*Except* 3-6:2x4 SP	Plate DOL= DOL=1.15);	57-16; Pr=20.0 psf (roof Ll I.15); Pf=20.0 psf (Lum DC Is=1.0; Rough Cat B; Fully	DL=1.15 Plate	
BOT CHORD WEBS WEDGE	2x4 SP No.1 *Excep 2x4 SP No.3 Left: 2x4 SP No.3 Right: 2x4 SP No.3	t* 8-5:2x4 SP No.2	design. 5) This truss ha	snow loads have been cor as been designed for great	er of min roof live	
BRACING TOP CHORD	Structural wood she 3-4-13 oc purlins.	athing directly applie	d or overhangs n 6) This truss ha	psf or 1.00 times flat roof lo on-concurrent with other li as been designed for a 10.	ve loads. 0 psf bottom	
BOT CHORD	Rigid ceiling directly bracing.	applied or 9-8-12 oc	7) * This truss I	ad nonconcurrent with any nas been designed for a liv	/e load of 20.0psf	
REACTIONS	(size) 1=0-3-0, 9 Max Horiz 1=216 (LC Max Uplift 1=-19 (LC Max Grav 1=887 (LC	C 14) C 11), 5=-122 (LC 11)	3-06-00 tall l chord and a 8) Bearing at jo	m chord in all areas where by 2-00-00 wide will fit betw hy other members. hint(s) 1 considers parallel TPI 1 angle to grain formul	ween the bottom to grain value	
FORCES	(lb) - Maximum Com Tension	pression/Maximum	designer sho	build verify capacity of bear chanical connection (by oth	ing surface.	
TOP CHORD	1-2=-601/95, 2-3=-1 4-5=-1908/471, 5-6=	711/516, 3-4=-1189/ ₌0/17		e capable of withstanding 1	,	
BOT CHORD	2-9=-383/1162, 7-9= 5-7=-361/1765	-361/1765,		on Strong-Tie connectors s to bearing walls due to U		HUNTH CA
WEBS NOTES	4-9=-773/175, 4-7=0)/214, 3-9=-42/514		tion is for uplift only and do		HUNTH CA
 Unbalance this design Wind: ASC 	ed roof live loads have n. CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B	(3-second gust)	International	designed in accordance w Residential Code sections nd referenced standard AN Standard	s R502.11.1 and	SEA
	p B; Enclosed; MWFR			Clandara		- 0363



FT = 20%

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	L2	Roof Special Structural Gable	2	1	Job Reference (optional)	157188502

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:24 ID:8ZOn?9LfxtnQ9EMNMcZ0WGzB_8Z-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

17-5-2 0-10-8 10-2-6 16-6-10 -4-3-14 3-11-2 4-3-14 3-11-2 6-3-4 6-4-4 6x8 🕿 3 12 14 4 27 3x5 **≈** 5 12 12∟ 6 4-9-6 7 26 828 3x8 II 9 2 8-10-4 D-10-4 10 0-6-14 17 ø 25 16 15 12 143 11 5x8= 3x5= 3x5= 4x5= ∟12 12 0-7-4

-4-3-14	4-0-14	10-2-6	16-6-10	1
4-3-14	4-0-14	6-1-8	6-4-4	٦

Scale = 1:59 Plate Offsets (X, Y): [3:0-6-9,0-3-0], [9:Edge,0-1-13], [9:0-3-3,Edge], [14:0-2-7,0-1-8]

Leading	(nof)	Creating	2.0.0		csi		DEFL	i.e.	(10.0)	l/defl	L/d	PLATES	GRIP
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15		TC	0.74	Vert(LL)	in 0.36	(loc) 16-21	>700	240	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15		BC	0.74	Vert(CT)	-0.70	16-21	>355	180	WIT20	244/190
TCDL	10.0	Rep Stress Incr	YES		WB	0.30	Horz(CT)	0.68	9	>355 n/a	n/a		
BCLL				8/TPI2014	Matrix-MSH	0.54	11012(01)	0.00	9	n/a	n/a		
BCDL	0.0* 10.0	Code	IRC201	8/1912014								Weight: 115 lb	FT = 20%
-					7.40.1/		L		(0) Thi	- 4 1-		Ŭ	
LUMBER TOP CHORD	2x8 SP 2400F 2.0E	*Excont* 2 10.2v1 SI			7-16; Vult=130m oh; TCDL=6.0psf;	• •	0 /		,			ned in accordant	tions R502.11.1 and
	No.2	Except 5-10.2x4 51			B; Enclosed; MWI							ferenced standar	
BOT CHORD	2x4 SP No.1 *Excep	ot* 14-9:2x4 SP No.2		zone and C-	C Exterior(2E) 0-	1-8 to 3-1	-8, Interior (1))	LOAD	CASE(S) Sta	ndard	
WEBS	2x4 SP No.3				0, Exterior(2R) 5-					•	,		
OTHERS	2x4 SP No.3				9-0, Exterior(2E)								
WEDGE	Left: 2x4 SP No.3				t and right expos								
	Right: 2x4 SP No.3				d;C-C for membe			S					
BRACING				for reactions DOL=1.60	shown; Lumber I	DUL=1.6	o piate grip						
TOP CHORD		athing directly applie	dor 3		ned for wind load	c in the n	lana of the tr	100					
	4-0-6 oc purlins.		- 1		ids exposed to wi								
BOT CHORD		applied or 9-10-12 o	C		d Industry Gable								
	bracing.				alified building de								
JOINTS	1 Brace at Jt(s): 17,		4		7-16; Pr=20.0 ps								
	18				.15); Pf=20.0 psf								
REACTIONS					ls=1.0; Rough Ca	at B; Fully	Exp.; Ce=0.9);					
	Max Horiz 1=216 (LC			Cs=1.00; Ct=									
	Max Uplift 1=-19 (LC		5)		snow loads have	been co	nsidered for th	nis					
500050	Max Grav 1=887 (LC	,. , ,	C 1	design.	a haan daalamad			live					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	6		is been designed psf or 1.00 times								17.5
TOP CHORD	1-2=-601/95, 2-3=-1	713/507 3-4-1102/	122		on-concurrent wit			51 011					1111
	4-5=-1138/405, 5-6=				e 2x4 MT20 unles							WATH CA	Roit
	6-7=-1841/481, 7-8=	,			spaced at 2-0-0 c		se mulcaleu.				15	A	in the second
	8-9=-1881/439, 9-10		9		is been designed		0 psf bottom				22	CEES S	NON ST
BOT CHORD			0,		ad nonconcurrent			ds.		Z	2		Mill
	13-15=-356/1747, 12		10		nas been designe					-		ie -	
	11-12=-356/1747, 9				n chord in all area					-		SEA	1 E E
WEBS	3-16=-83/586, 16-17	/=-758/175,			by 2-00-00 wide w			om		=			
	17-18=-741/165, 6-1	8=-733/170,		chord and ar	y other members	5.				Ξ		0363	22
		-46/31, 5-18=-135/7			int(s) 1 considers						- B	1	1 E -
	15-18=-113/84, 7-12	2=-42/43, 8-11=-42/4			FPI 1 angle to gra						1	·	A 1. 5
NOTES					ould verify capacit						2.0	S. SNGINI	L 22 EER A
1) Unbalance	ed roof live loads have	been considered for	1:		Simpson Strong-T						1	No. GIN	the first of the
this desigr	n.				ed to connect trus							SEA 0363	IL BY IN
					(s) 1 and 9. This of the second se		n is for uplift o	only				A. C	un u
				and does no	t consider lateral	iorces.						Morek	16 2022

- this design.
- recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1 and 9. This connection is for uplift only and does not consider lateral forces.



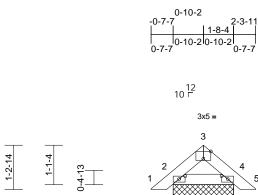
Page: 1

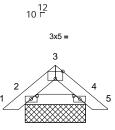
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BC2E Building Component Schut beformation, available from the Structure Building Component Advanciation (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	PB1	Piggyback	17	1	Job Reference (optional)	157188503

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:24 ID:gxipycRBjcdob3DXd6ew9uzaLQj-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





2x4 = 2x4 =

1-8-4

Scale = 1:32.3

Plate Offsets (X, Y): [2:0-2-1,0-1-0], [3:0-2-8,Edge], [4:0-2-1,0-1-0]

Fiale Olisels	(A, T). [2.0-2-1,0-1-0]	, [3.0-2-8,Euge], [4.0-	2-1,0-1-0]										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.02 0.02 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 8 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD NOTES	 2x4 SP No.2 Structural wood she 2-11-11 oc purlins. Rigid ceiling directly bracing. (size) 2=1-8-4, 10=1-8-4 Max Horiz 2=-24 (LC Max Uplift 2=-13 (LC 6=-13 (LC 6=-13 (LC 6=-13 (LC 6=113 (LC 6	C 12), 6=-24 (LC 12) C 14), 4=-10 (LC 15), C 14), 10=-10 (LC 15) C 21), 4=118 (LC 22), C 21), 10=118 (LC 22)	8) 9) 10 21	load of 12.0 overhangs n Gable requir This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar One MECHA recommende UPLIFT at jtt and does no) This truss is International R802.10.2 a) See Standar Detail for Co consult qualit	as been designed psf or 1.00 times t on-concurrent with es continuous bot as been designed ad nonconcurrent nas been designed m chord in all area by 2-00-00 wide w ny other members ANICAL connector ed to connect trus; (s) 2 and 4. This c t consider lateral f designed in accor Residential Code nd referenced stat d Industry Piggyb nnection to base t fied building desig	flat roof lich h other lic tom choo for a 10.1 with any d for a lich as where vill fit betw. fr (BY OT) s to bear forces. rdance w e sections ndard AN ack Truss as a	bad of 20.0 ps ve loads. d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto HERS) ing walls due n is for uplift of s R502.11.1 a SI/TPI 1. s Connection	sf on ds. Dpsf om to only					
		h	LC	DAD CASE(S)	Standard								11
 Unbalance this designed 	ced roof live loads have	been considered for										TH CA	D
 Wind: AS Vasd=10: Cat. II; E: zone and exposed members Lumber E TCLL: AS Plate DO DOL=1.1 Cs=1.00; 	CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B xp B; Enclosed; MWFR C-C Exterior(2E) zone ; end vertical left and ri and forces & MWFRS DOL=1.60 plate grip DC SCE 7-16; Pr=20.0 psf (L L=1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and rig ght exposed;C-C for for reactions shown; DL=1.60 (roof LL: Lum DOL=1. um DOL=1.15 Plate 3; Fully Exp.; Ce=0.9;	.15									SEA 0363	EEP. PLUT

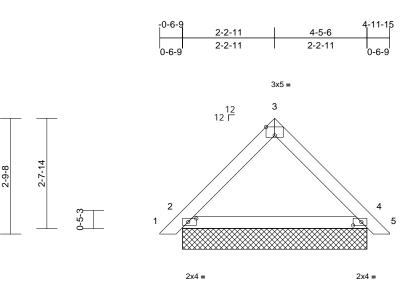
mmm March 16,2023

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	PB2	Piggyback	10	1	Job Reference (optional)	157188504

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:24 ID:5WOxbeU30X?NSWy6IFBdnXzaLQg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



I

4-5-6

Scale = 1:27.8	
Plate Offsets (X, Y): [2:0-2-6,0-1-0], [3:0-2-8,Edge], [4:0-2-6,0-1-0]	

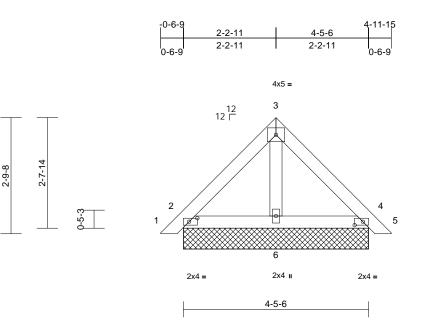
TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Lumber DOL	2-0-0 1.15 1.15 YES IRC2018/TPI2	CSI TC BC WB 2014 Matrix-MP	0.13 0.13 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 2	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 18 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BRACING TOP CHORD Structural wood she: 5-7-0 oc purlins. BOT CHORD Rigid ceiling directly bracing. REACTIONS (size) 2=4-5-6, 4 Max Horiz 2=-60 (LC Max Uplift 2=-17 (LC 6=-17 (LC Max Grav 2=258 (LC	 =4-5-6, 6=4-5-6, 9=4-12), 6=-60 (LC 12) 14), 4=-17 (LC 15), 14), 9=-17 (LC 15) 21), 4=258 (LC 22), 21), 9=258 (LC 22) pression/Maximum 72, 3-4=-151/72, been considered for (3-second gust) CDL=6.0psf; h=25ft; S (envelope) exterior cantilever left and riging the exposed; C-C for for reactions shown; L=1.60 the plane of the truss (normal to the face), d Details as applicable gner as per ANSI/TPI 1. un DOL=1.15 Plate 	desi 6) This Ioac or over 7) Gab 8) Gab 9) This 2) This 10) * Th on t 3-06 choo 11) One recc UPL and 12) This Inte R80 13) See Deta cons LOAD C ht	palanced snow loads have ign. 5 truss has been designer d of 12.0 psf or 1.00 times frhangs non-concurrent w ble requires continuous bo le studs spaced at 4-0-0 is truss has been designer the bottom chord in all are 5-00 tall by 2-00-00 wide of and any other member be MECHANICAL connect ommended to connect tru .IFT at jt(s) 2 and 4. This does not consider lateral a truss is designed in accor rnational Residential Cod 12.10.2 and referenced st Standard Industry Piggy ail for Connection to base sult qualified building des CASE(S) Standard	d for great s flat roof Ir ith other Ir ottom chor oc. d for a 10. t with any ed for a liv ass where will fit betw 's. or (BY OTI ss to bear connectio I forces. ordance w le sections andard AN back Truss as a	er of min roof pad of 20.0 ps ve loads. d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the bottot HERS) ing walls due n is for uplift of ith the 2018 s R502.11.1 a SI/TPI 1. s Connection	live sf on ds.)psf om to only nd				Weight: 18 Ib OFESS SEA 0363	L 22

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A MITek Affil 818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	PB2-2	Piggyback	2	2	Job Reference (optional)	157188505

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:25 ID:5WOxbeU30X?NSWy6IFBdnXzaLQg-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:27.7

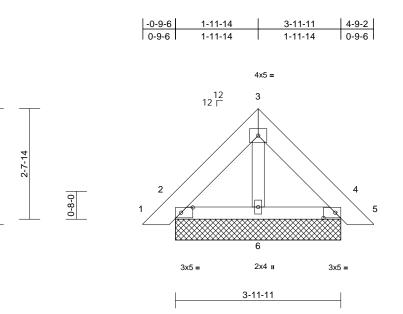
TCLL (roof) 20 Snow (Pf) 20 TCDL 10	.0 Lumber DC .0 Rep Stress .0* Code	DL 1.15 Incr YES	018/TPI2014	CSI TC BC WB Matrix-MP	0.04 0.05 0.01	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 42 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 BRACING TOP CHORD Structural woo 5-7-0 oc purlin BOT CHORD Rigid ceiling di bracing. REACTIONS (size) 2=4 7=4 Max Horiz 2=60 Max Uplift 2=-2 7=-2 Max Grav 2=18 6=14 10=1 FORCES (lb) - Maximum Tension	I sheathing directl ectly applied or 10 5-6, 4=4-5-6, 6=4- 5-6, 10=4-5-6 1 (LC 13), 7=60 (L1 1 (LC 15), 10=-26 7 (LC 21), 4=-26 7 (LC 22), 7=187 87 (LC 22) Compression/Ma 117/80, 3-4=-117 =-13/59 together as follow 10d (0.131"x3") n oc. ith 10d (0.131"x3") n oc. ually applied to all or back (B) face in connections have pads noted as (F)	2)-0-0 oc 5-6, C 13) LC 15), (LC 15), (LC 22), (LC 21), ximum /80, // nails as plies, the LOAD 9 been or (B),	 Vasd=103mp Cat. II; Exp E zone and C-1 exposed; er members an Lumber DOL Truss design only. For stu- see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15; Cs=1.00; Cts Unbalanced design. This truss ha load of 12.0 overhangs n Gable requir Gable requir Gable studs This truss ha chord live loa * This truss ha chord live loa Cable requir Gable requir Gable studs This truss ha chord live loa One MECHA recommende UPLIFT at jfd and does no This truss is International R802.10.2 ai See Standar Detail for Co 	7-16; Vult=130mp bh; TCDL=6.0psf; I ; Enclosed; MWF C Exterior(2E) zon d vertical left and d forces & MWFR =1.60 plate grip D ed for wind loads ds exposed to win d Industry Gable E alified building det 7-16; Pr=20.0 psf (15); Pf=20.0 psf (15); Pf=20.0 psf (15); Pf=20.0 psf (15); Pf=20.0 psf (15); Offer 20.0 psf (15); Offer	BCDL=6 RS (env. e; cantil right exp S for read OL=1.60 in the p d (norm nd Deta signer at gigner at f (roof LL Lum DC B; Fully been cor or great at roof LC other lin om chor cor a 10.0 with any f or a liv s where ll fit betw (BY OTH to bear onnectio orces. dance w sections dard AN tck Trus	.0psf; h=25ft; elope) exterio ever left and r isosed;C-C for ctions shown; ane of the tru al to the face) is as applicate per ANSI/TF .: Lum DOL=1 bl=1.15 Plate Exp.; Ce=0.9 isidered for th er of min roof pad of 20.0 ps e loads. d bearing. D psf bottom other live load e load of 20.0 a rectangle veen the bottoc HERS) ng walls due n is for uplift c ist the 2018 nsf02.11.1 ai SCONNECTION	ight ss , le, ll 1. .15 ; is live f on ds. psf m	LOAD C			ndard ORTH CA ORTEES SEA 0363	ROL 22 EER-H

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Job	Truss	Truss Type	Qty Ply Abby plan		Abby plan	
23030004-01	PB2-3	Piggyback	2	3	Job Reference (optional)	157188506

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:25 ID:dJqZNITRFEtWqMNwkXgOFJzaLQh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:27.7

2-9-8

oading (psf) Spacing CLL (roof) 20.0 Plate Grip DOL now (Pf) 20.0 Lumber DOL CDL 10.0 Rep Stress Incr CLL 0.0* Code CDL 10.0 Filter	2-0-0 1.15 1.15 NO IRC2018/TPI2014	CSI TC 0.01 BC 0.01 WB 0.00 Matrix-MP	DEFLinVert(LL)n/aVert(CT)n/aHorz(CT)0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 81 lb	GRIP 244/190 FT = 20%
UMBER OP CHORD 2x6 SP No.2 OT CHORD 2x4 SP No.2 THERS 2x4 SP No.3 RACING OP CHORD Structural wood sheathing directly applied 5-7-0 oc purlins. OT CHORD Rigid ceiling directly applied or 10-0-0 or bracing. EACTIONS (size) 2=3-11-11, 4=3-11-11, 6=3-1: 7=3-11-11, 10=3-11-11 Max Horiz 2=-58 (LC 12), 7=-58 (LC 12) Max Uplift 2=-29 (LC 15), 4=-34 (LC 15) 7=-29 (LC 15), 4=-34 (LC 15) 7=-29 (LC 15), 10=-34 (LC 15) Max Grav 2=193 (LC 21), 4=-193 (LC 21) (b) - Maximum Compression/Maximum Tension OP CHORD 1-2=0/32, 2-3=-90/86, 3-4=-90/86, 4-5=0 OT CHORD 2-6=-32/53, 4-6=-11/53 /EBS 3-6=-47/0 OTES) 3-ply truss to be connected together as follows: Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc. Bottom chords connected with 10d (0.131"x3") nails follows: 2x4 - 1 row at 0-9-0 oc. All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LC CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. Unbalanced roof live loads have been considered fo this design.	 Vasd=103n Cat. II; Exp zone and C exposed; e members a Lumber DC 5) Truss designing 6) TCLL: ASC Plate DOL= DOL=1.15) Cs=1.00; C 7) Unbalancer design. 8) This truss h load of 12.C overhangs 32 9) Gable requination 10) Gable studs 11) This truss h chord live le 12) * This truss h chord live le 31) One MECH 413) One MECH AD AD AD AD AD See Standa R802.10.2 a 15) See Standa Detail for C 	E 7-16; Vult=130mph (3-sec pnb; TCDL=6.0psf; BCDL=6 B; Enclosed; MWFRS (env -C Exterior(2E) zone; cantil and vertical left and right exp nd forces & MWFRS for rea gined for wind loads in the p tuds exposed to wind (norm rd Industry Gable End Deta jualified building designer z F 7-16; Pr=20.0 psf (roof LL f.1.15); Pf=20.0 psf (conf LL f.1.15); Pf=20.0 psf (conf LL f.1.15); Pf=20.0 psf (conf LL f.1.15); Pf=20.0 psf (conf LL f.1.15); Oregon (Lum DC gis=1.0; Rough Cat B; Fully t=1.10 d snow loads have been con that been designed for great 0 psf or 1.00 times flat roof I non-concurrent with other lin irres continuous bottom chor is spaced at 4-0-0 oc. that been designed for a 10. that been designed for a 10.	:.0psf; h=25ft; elope) exterior ever left and right isosed;C-C for ctions shown; ane of the truss al to the face), ils as applicable, s per ANS/ITPI 1. .: Lum DOL=1.15 DL=1.15 Plate Exp.; Ce=0.9; insidered for this er of min roof live bad of 20.0 psf on vel loads. d bearing. D psf bottom other live loads. e load of 20.0psf a rectangle ween the bottom HERS) ing walls due to n is for uplift only ith the 2018 is R502.11.1 and ISI/TPI 1. s Connection	LOAD		In the second seco	ndard ORTH CA OREESS SEA 0363	EER. AL

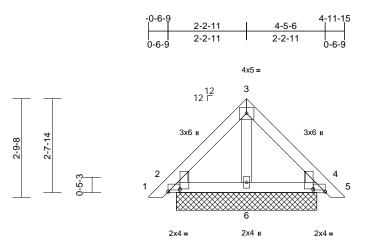
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent outlapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

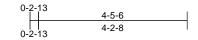


Job	Truss	Truss Type	Qty Ply Abby plan		Abby plan	
23030004-01	PB2GE	Piggyback	1	1	Job Reference (optional)	157188507

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:26 ID:87GBAySpUwlfCDojBq99i6zaLQi-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





Scale = 1:32.6

Plate Offsets (X, Y): [2:0-4-0,0-0-10], [2:0-1-0,0-4-1], [4:0-4-0,0-0-10], [4:0-1-0,0-4-1]

Plate Offsets ((X, Y): [2:0-4-0,0-0-10)], [2:0-1-0,0-4-1], [4:0	J-4-0,0-0-1	0], [4:0-1-0,0-	4-1]									
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.11 0.11 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 22 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD OTHERS WEDGE BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Left: 2x4 SP 2400F Right: 2x4 SP 2400F Structural wood she 5-7-0 oc purlins. Rigid ceiling directly bracing. (size) 2=3-11-1 10=3-11- Max Horiz 2=-60 (LC Max Uplift 2=-1 (LC (LC 14), 21) Max Grav 2=2 (LC 2	F 2.0E eathing directly applie v applied or 6-0-0 oc 1, 4=3-11-11, 6=3-11 11, 11=3-11-11 C 12), 10=-60 (LC 12) 14), 4=-98 (LC 21), 6 10=-1 (LC 14), 11=-9	d or 5) -11, 6) -11, 7) j=-34 8 (LC 9) 515 (LC	only. For sti see Standarr or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 overhangs n Gable studs This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall b chord and ar	ned for wind load dis exposed to w d Industry Gable ialified building d : 7-16; Pr=20.0 ps I.5); Pf=20.0 ps Is=1.0; Rough Ci =1.10 snow loads have as been designed ps for 1.00 times on-concurrent wi spaced at 2-0-0 is been designed ad nonconcurren has been designed n chord in all are by 2-00-00 wide v hy other member NICAL connector	rind (norm End Deta esigner a signer a signer a signer a to be a been cou d for great flat roof I th other li oc. I for a 10. t with any ed for a liv as where will fit betw s.	hal to the face iils as applica is per ANSI/TI L: Lum DOL= DL=1.15 Plate r Exp.; Ce=0.9 nsidered for the r of min roof oad of 20.0 p ve loads. 0 psf bottom r other live loa re load of 20.0 a rectangle ween the bottom), ble, PI 1. 1. 1. 3 9; his f live sf on ds. 0psf						
FORCES TOP CHORD	(lb) - Maximum Con Tension 1-2=0/24, 2-3=-63/2			UPLIFT at jt(only and doe	ed to connect true (s) 2, 4, 6, and 2. es not consider la	This con iteral force	nection is for es.				1	HTH CA	ROUT	
this design 2) Wind: AS(Vasd=103 Cat. II; Ex zone and exposed ; members	3-6=-383/133 ed roof live loads have	e been considered for h (3-second gust) iCDL=6.0psf; h=25ft; iS (envelope) exteriou ;; cantilever left and ri ght exposed;C-C for for reactions shown;	12 13 ght) This truss is International R802.10.2 a) See Standar Detail for Co	d bearing conditi designed in accc Residential Cod nd referenced sta d Industry Piggyl nnection to base fied building desi Standard	ordance w e sections andard Al back Trus truss as	vith the 2018 s R502.11.1 a NSI/TPI 1. ss Connection			Contraction of the second seco	i	17	L 22 EERER	Mannung

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818 Soundside Road Edenton, NC 27932

G minimum)

March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V1	Valley	1	1	Job Reference (optional)	157188508

Loading

Snow (Pf)

LUMBER

OTHERS

WEBS

FORCES

WEBS

NOTES

BRACING

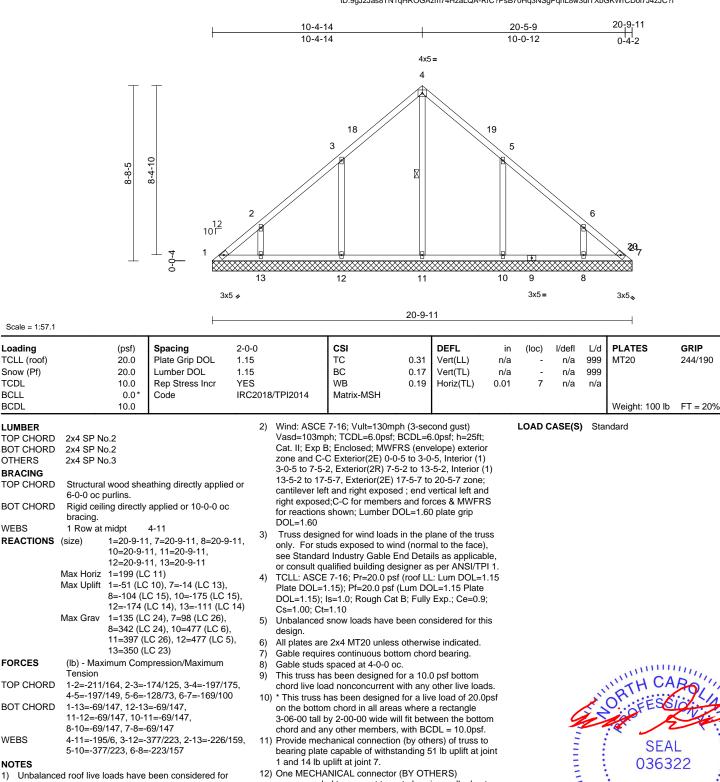
TCDL

BCLL

BCDL

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:26 ID:9gJ2Jas8TN1qHROGAzm74HzaLQA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



1) this design. recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12, 13, 10, and 8. This connection is for uplift only and does not consider lateral forces.

13) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

111111111 G mmm March 16,2023

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V2	Valley	1	1	Job Reference (optional)	157188509

Scale = 1:50.5 Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

this design.

DOL=1.60

WFBS

NOTES

1)

2)

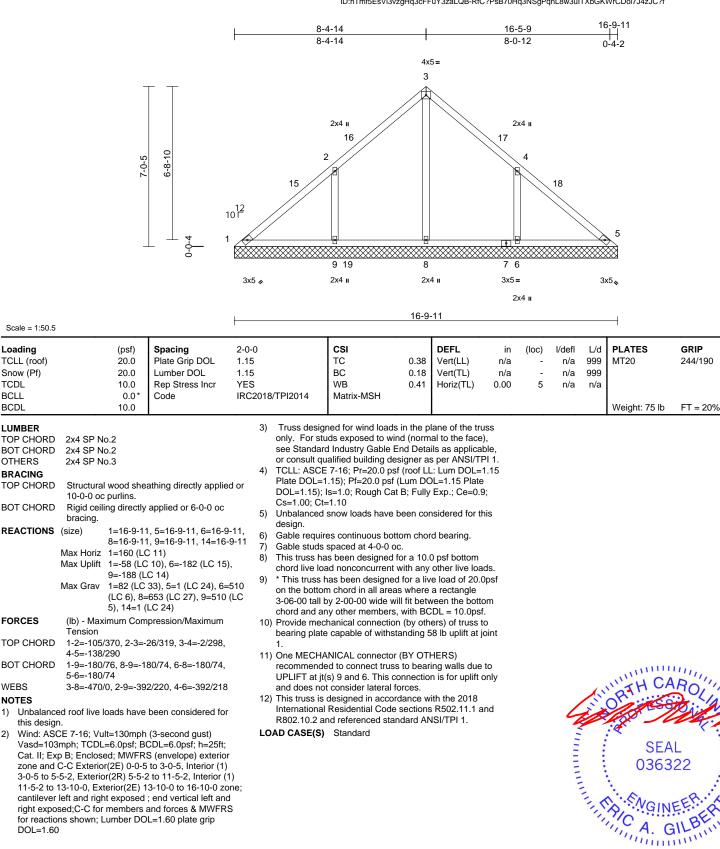
TCDL

BCLL

BCDL

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:26 ID:hTmf5EsVi3vzgHq3cFFuY3zaLQB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



March 16,2023

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V3	Valley	1	1	Job Reference (optional)	157188510

Scale = 1:40.5

Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

this design.

WFBS

NOTES

1)

2)

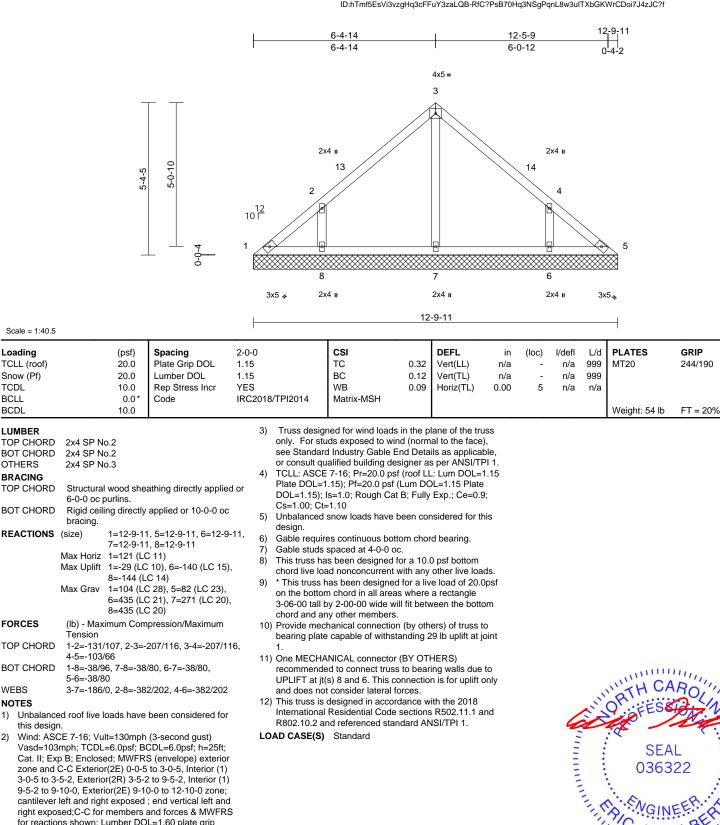
TCDL

BCLL

BCDL

Run: 8 53 S. Mar. 9 2023 Print: 8 530 S. Mar. 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:27 ID:hTmf5EsVi3vzgHq3cFFuY3zaLQB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



zone and C-C Exterior(2E) 0-0-5 to 3-0-5, Interior (1) 3-0-5 to 3-5-2, Exterior(2R) 3-5-2 to 9-5-2, Interior (1) 9-5-2 to 9-10-0. Exterior(2E) 9-10-0 to 12-10-0 zone: cantilever left and right exposed ; end vertical left and right exposed:C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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818 Soundside Road

Edenton, NC 27932

G mmm March 16,2023

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V4	Valley	1	1	Job Reference (optional)	157188511

4-4-14

4-4-14

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

3-4-10

3-8-5

Spacing

Code

Plate Grip DOL

Rep Stress Incr

4=713

Lumber DOL

(psf)

20.0

20.0

10.0

10.0

0.0

Run: 8 53 S Mar 9 2023 Print: 8 530 S Mar 9 2023 MiTek Industries Inc. Wed Mar 15 08:24:27 ID:hTmf5EsVi3vzgHq3cFFuY3zaLQB-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

8-5-9

4-0-12



GRIP

244/190

FT = 20%

9 10 12 10 Г 3 Λ 3x5 🍫 2x4 II 3x5 💊 8-9-11 2-0-0 CSI DEFL l/defl L/d PLATES in (loc) 1.15 TC 0.42 Vert(LL) n/a n/a 999 MT20 BC 1 15 0.39 Vert(TL) n/a n/a 999 YES WB 0.15 Horiz(TL) 0.00 4 n/a n/a IRC2018/TPI2014 Matrix-MP Weight: 33 lb TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

4x5 = 2

- Unbalanced snow loads have been considered for this 5) desian.
- Gable requires continuous bottom chord bearing. 6)
- Gable studs spaced at 4-0-0 oc. 7)
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 1 and 51 lb uplift at joint 3.
- 11) One MECHANICAL connector (BY OTHERS) recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S) Standard



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Scale = 1:34

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

TOP CHORD	2x4 SP N	0.2
BOT CHORD	2x4 SP N	0.2
OTHERS	2x4 SP N	0.3
BRACING		
TOP CHORD	Structural 8-9-11 oc	wood sheathing directly applied or purlins.
BOT CHORD	Rigid ceili bracing.	ng directly applied or 6-0-0 oc
REACTIONS	()	1=8-9-11, 3=8-9-11, 4=8-9-11 1=-82 (LC 12)
		1=-51 (LC 21), 3=-51 (LC 20), 4=-110 (LC 14)
	Max Grav	1=76 (LC 20), 3=76 (LC 21), 4=713 (LC 21)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD		331, 2-3=-133/331
BOT CHORD		193, 3-4=-225/193
WEBS	2-4=-535/	,
VVLDO	2-4=-0000/	201

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) 2) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-5 to 3-0-5, Exterior(2R) 3-0-5 to 5-10-0, Exterior(2E) 5-10-0 to 8-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

818 Soundside Road

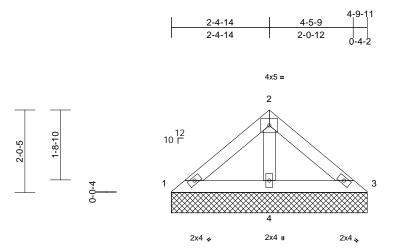
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V5	Valley	1	1	Job Reference (optional)	157188512

Run: 8,53 S Mar 9 2023 Print: 8,530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:27 ID:DHCHuurtxIn627Ft3Ykf?szaLQC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

4-9-11

Page: 1



Scale - 1.28 3

Scale = 1:28.3													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 20.0 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-MP	0.08 0.11 0.04	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 4	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 17 lb	GRIP 244/190 FT = 20%
FORCES TOP CHORD BOT CHORD WEBS NOTES	Max Horiz 1=43 (LC Max Uplift 3=-7 (LC Max Grav 1=88 (LC (LC 21) (lb) - Maximum Com Tension 1-2=-80/102, 2-3=-8 1-4=-78/87, 3-4=-78 2-4=-179/95 ed roof live loads have	applied or 6-0-0 oc 3=4-9-11, 4=4-9-11 11) 15), 4=-33 (LC 14) 20), 3=88 (LC 21), 4 pression/Maximum 0/102 /87	6) 7) 8) ed or 9) 10) 1=291 11) 12) LO	design. Gable requir Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar Provide mec bearing plate 3. One MECHA recommende UPLIFT at jt(does not corr This truss is International	snow loads have es continuous bol spaced at 4-0-0 c s been designed ad nonconcurrent nas been designe n chord in all arez by 2-00-00 wide w y other members hanical connection e capable of withs NICAL connector d to connect trus s) 4. This connect sider lateral force designed in accoo Residential Code nd referenced sta Standard	tom chor c. for a 10.1 with any d for a liv as where vill fit betv n (by oth tanding 7 r (BY OTI s to bear tion is for s. rdance w	d bearing. 0 psf bottom other live loa te load of 20.0 a rectangle veen the botto rest) of truss t r lb uplift at jo HERS) ing walls due r uplift only ar ith the 2018 \$ R502.11.1 a	ids. Opsf om to int to nd					10.
 Wind: ASC Vasd=103/ Cat. II; Exy zone and 0 exposed; members a Lumber D0 Truss des only. For s see Standa or consult TCLL: ASC Plate DOL 	CE 7-16; Vult=130mph mph; TCDL=6.0psf; Br p B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and rig and forces & MWFRS OL=1.60 plate grip DC signed for wind loads in studs exposed to wind ard Industry Gable En qualified building desi; CE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L i); Is=1.0; Rough Cat E	CDL=6.0psf; h=25ft; S (envelope) exterio ; cantilever left and r ght exposed;C-C for for reactions shown; DL=1.60 h the plane of the tru I (normal to the face) d Details as applicat gner as per ANSI/TF roof LL: Lum DOL=1 um DOL=1.15 Plate	r ight ss , ole, 11. .15							W. HILL		SEA 0363	• –

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 4) Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

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818 Soundside Road Edenton, NC 27932

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Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V10	Valley	1	1	Job Reference (optional)	157188513

Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

WEBS

FORCES

WEBS

NOTES

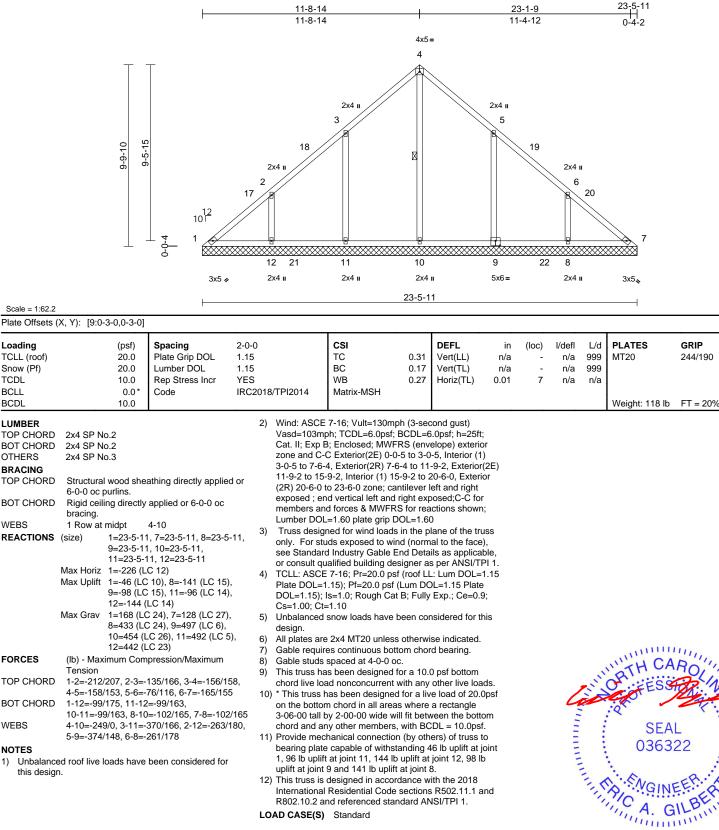
TCDL

BCLL

BCDL

Run: 8 53 S Mar 9 2023 Print: 8 530 S Mar 9 2023 MiTek Industries Inc. Wed Mar 15 08:24:28 ID:A4MZPzV4GQHuA56oGHgcb2zaPP?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



March 16,2023

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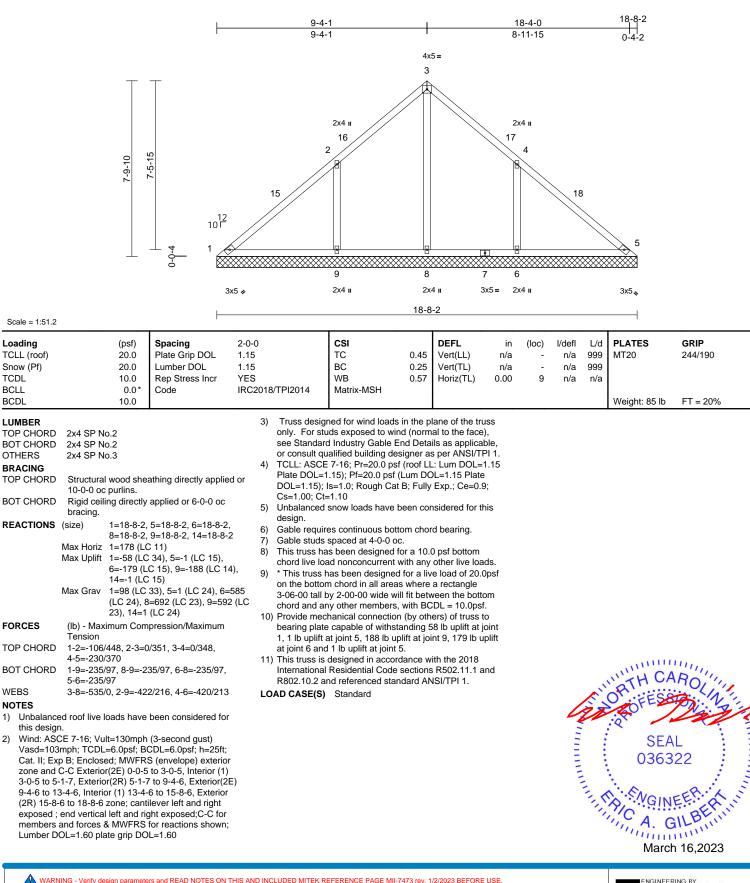
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall bilding design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V11	Valley	1	1	Job Reference (optional)	157188514

2)

Run: 8 53 S. Mar. 9 2023 Print: 8 530 S. Mar. 9 2023 MiTek Industries. Inc. Wed Mar 15 08:24:28 ID:A4MZPzV4GQHuA56oGHgcb2zaPP?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V12	Valley	1	1	Job Reference (optional)	157188515

Scale = 1:42.5 Loading

TCLL (roof)

Snow (Pf)

LUMBER

OTHERS

BRACING

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

FORCES

TOP CHORD

BOT CHORD

this design.

WEBS

NOTES

1)

REACTIONS (size)

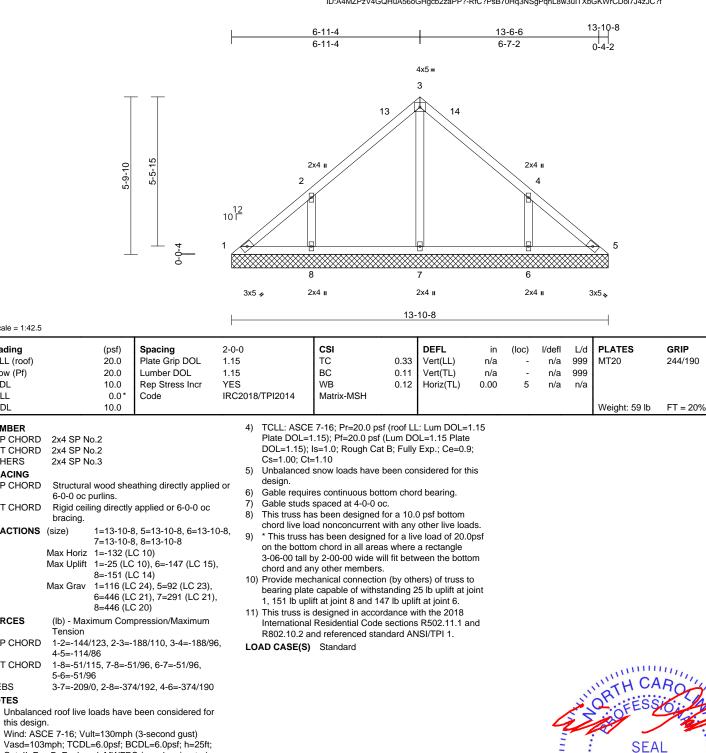
TCDL

BCLL

BCDL

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:29 ID:A4MZPzV4GQHuA56oGHgcb2zaPP?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable or consult qualified building designer as per ANSI/TPI 1.

036322 G mmm March 16,2023

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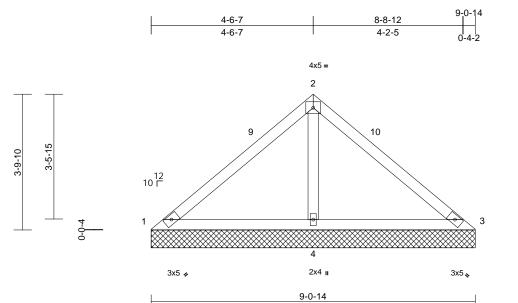
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Abby plan	
23030004-01	V13	Valley	1	1	Job Reference (optional)	157188516

Run: 8.53 S Mar 9 2023 Print: 8.530 S Mar 9 2023 MiTek Industries, Inc. Wed Mar 15 08:24:29 ID:A4MZPzV4GQHuA56oGHgcb2zaPP?-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Page: 1



Scale = 1:32.3

		1	1									
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	20.0	Lumber DOL	1.15	BC	0.37	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 34 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she 9-0-14 oc purlins. Rigid ceiling directly bracing. (size) 1=9-0-14, Max Horiz 1=85 (LC Max Uplift 1=-35 (LC Max Grav 1=96 (LC	3=9-0-14, 4=9-0-14 11) 2 21), 3=-35 (LC 20), 2 14)	design. 6) Gable req 7) Gable stu 8) This truss d or 9) * This truss on the bot 3-06-00 ta chord and 10) Provide m bearing pl 1, 35 lb up 11) This truss	ed snow loads have dires continuous bot ds spaced at 4-0-0 o has been designed load nonconcurrent s has been designed tom chord in all area II by 2-00-00 wide w any other members echanical connectio ate capable of withs lift at joint 3 and 84 is designed in accor al Residential Code	tom cho ic. for a 10. with any d for a liv as where iill fit betv n (by oth tanding 3 lb uplift a rdance w	rd bearing. 0 psf bottom other live loa re load of 20.0 a rectangle ween the botto uers) of truss t 35 lb uplift at j at joint 4. rith the 2018	ds. Dpsf om oint					
	(LC 21)			and referenced star								
FORCES	(lb) - Maximum Com Tension	pression/iviaximum	LOAD CASE(Standard 								
TOP CHORD		3/332										
BOT CHORD	,											
WEBS	2-4=-535/218											
NOTES												
	ed roof live loads have	been considered for										11
this desig											"" CA	DIL
Vasd=103 Cat. II; Ex zone and exposed ; members	CE 7-16; Vult=130mph 3mph; TCDL=6.0psf; B sp B; Enclosed; MWFR C-C Exterior(2E) zone end vertical left and ri and forces & MWFRS VOL=1.60 plate grip DC	CDL=6.0psf; h=25ft; S (envelope) exterior ; cantilever left and ri ght exposed;C-C for for reactions shown;	ght						A state		OR FEES	• -
only. For see Stand or consult 4) TCLL: AS Plate DOI	signed for wind loads in studs exposed to wind lard Industry Gable En t qualified building desi (CE 7-16; Pr=20.0 psf (L =1.15); Pf=20.0 psf (L 5); Is=1.0; Rough Cat E Ct=1.10	I (normal to the face), d Details as applicab gner as per ANSI/TP roof LL: Lum DOL=1 um DOL=1.15 Plate	le, I 1. .15						THWA.		in the second se	EER

March 16,2023

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