

RE: P230395-01 - Roof - CB Lot 145

Site Information:

Project Customer: Clover & Hive Project Name: Cherry Blossom - Farmhouse Lot/Block: 145 Subdivision: Cobey Creek

Model:

Address: 3529 SE Corbin Dr City: Lee's Summit

State: MO

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

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Wind Speed: 115 mph Roof Load: 45.0 psf

Mean Roof Height (feet): 35

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Premier Building Supply (Springhill, KS)20300 W 207th Street.

9/13/23

Truss Design Engineer's Name: Nathan Fox

160735743 V08

32

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

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



Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16 Floor Load: N/A psf Exposure Category: C

> RELEASE FOR CONSTRUCTION **AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI** 02/06/2024 4:55:56

Design Program: MiTek 20/20 8.6

MiTek, Inc.

314.434.1200

16023 Swingley Ridge Rd.

Chesterfield, MO 63017

Nathan Fox

September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	A01	Common Supported Gable	1	1	Job Reference (optional)	160735712



Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:29 ID:p7nZ_J5GH7L??3Ov?fiETHyx7_m-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f -0-11-0 13-7-0 13-0-0 6-6-0 0-11-0 6-6-0 6-6-0 4x4 = 6 12 8 Г 5 7 17 5-0-0 5-3-9 4 8 3x4 🍫 3x4 💊 3 9 G Xe j 2 10 0-8-0 11 1 \approx 16 15 14 13 12 3x4 II 3x4 II 13-0-0

Scale = 1:36.9													
					[
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.05	- (-)	n/a	-	n/a	999		
FCDL	10.0	Rep Stress Incr	YES		WB	0.07	Horz(CT)	0.00	10	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-S								
BCDL	10.0											Weight: 62 lb	FT = 20%
UMBER			2)	Wind: ASCE	7-16; Vult=115	mnh (3-se	cond quet)		14) This	e truce is	: desin	ned in accordance	re with the 2018
TOP CHORD	2x4 SP No.2		۷,		h; TCDL=6.0psf								tions R502.11.1 and
BOT CHORD	2x4 SP No.2 2x4 SP No.2				at. II; Exp C; Enc							ferenced standar	
DTHERS	2x3 SPF No.2				e and C-C Corne			,	LOAD				
SLIDER		1-6-4, Right 2x4 SP	No 2		4-1-0 to 6-6-0, 0				LUAD	SASE(S) Sia	nuaru	
DLIDER		1-0-4, Right 2x4 3P	N0.2		11-6-0 to 13-7-0								
	1-6-4				d ; end vertical l								
BRACING				0 1	and forces & M								
TOP CHORD		eathing directly applie	ed or		_=1.60 plate grip			·····,					
	6-0-0 oc purlins.		. 3)		ned for wind loa			ISS					
BOT CHORD		applied or 10-0-0 or	, o,		uds exposed to v								
	bracing.				d Industry Gable								
REACTIONS	· · ·	, 10=13-0-0, 12=13-0			ualified building								
		0, 14=13-0-0, 15=13	-0-0, ₄)		E 7-16; Pr=25.0								
	16=13-0-	0	•,		1.15); Pf=25.0 ps								
	Max Horiz 2=136 (L				Is=1.0; Rough C								
	Max Uplift 2=-30 (LO	C 17), 10=-7 (LC 16),		Cs=1.00; Ct		at 0, 1 any	шкр., 0 0-0.0	σ,					
	12=-114	(LC 17), 13=-72 (LC	17), ₅₁		snow loads hav	e heen coi	nsidered for th	nis					
	15=-73 (I	_C 16), 16=-114 (LC	16) ³	design.	Show loads hav			115					
	Max Grav 2=218 (L	C 23), 10=187 (LC 24	4), 6)		as been designe	d for areat	er of min roof	live					
	12=317 (LC 24), 13=277 (LC 2	24), ⁰⁾		psf or 2.00 time								
	14=139 (LC 29), 15=280 (LC 2	23),		on-concurrent w			51 011					
	16=306 (LC 23)	7)		e 1.5x4 MT20 ur			ч					
ORCES	(lb) - Maximum Cor	npression/Maximum	8)		es continuous b			J.					
	Tension		9)		spaced at 2-0-0		u bearing.						The
FOP CHORD	1-2=0/31, 2-4=-161	/84. 4-5=-119/115.			as been designe		0 pof bottom					TATE OF I	ALAN
	,	-127/201, 7-8=-122/1	09.		ad nonconcurrer			do				A.E.OT	NIS'S Ch
	8-10=-124/40, 10-1				has been design						4	T.N.	NUS
BOT CHORD			1		m chord in all ar			Jpsi			B	S NATHA	NIFI XP.V
	14-15=-36/103, 13-										Я	FO	
	12-13=-36/103, 10-				by 2-00-00 wide ny other membe			JIII				1 1 10	
VEBS	6-14=-127/30, 5-15				are assumed to		2 orughing				81	9-1/1.	
	4-16=-251/210, 7-1		14			DE 25 NO	∠ crusning				2	Han	A ARA
	8-12=-260/221	··· /		capacity of 5	chanical connect	ion (hu sth	oro) of truce t	~			N 4	annin	KER (1)
NOTES			1.								27		
	ed roof live loads have	been considered for			e capable of with at joint 10, 73 lb						N	PE-2022	042239 18 4
/											1	1St	154
this design					2 lb uplift at join	13 and T	14 ID UPIIIT at J	om			6	W.S.	ENG
				12.								ESSIONA	LEY
												Con	The
												Sontombo	12 2022

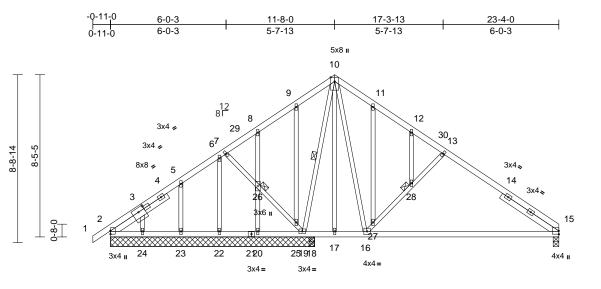
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 toulsable 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.sbcscomponents.com)

ΤΙΟΝ IEW DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 02/06/2024 4:55:56

September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B01	Common Structural Gable	1	1	Job Reference (optional)	160735713

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:31 ID:EEWYIzYUaU0lylj0fxswT5yx7_B-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



	10-1-0	10-5-12 ₁₃₋₃₋₀	23-4-0	1
	10-1-0	0-4-12 2-9-4	10-1-0	
Scale = 1:59.9				

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

Loading	(psf)	Spacing 2-	0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL 1.	15	TC	0.51	Vert(LL)	-0.24	15-16	>646	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL 1.	15	BC	0.86	Vert(CT)	-0.49	15-16	>316	180		
TCDL	10.0	Rep Stress Incr YE	S	WB	0.43	Horz(CT)	0.01	15	n/a	n/a		
BCLL	0.0*	Code IR	C2018/TPI2014	Matrix-S								
BCDL	10.0										Weight: 140 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2	3-6-6, Right 2x4 SP No.2		10-16=-124/809, 16- 27-28=-395/241, 13- 10-19=-575/16, 7-26 19-25=-166/119, 10- 9-25=-202/77, 8-26= 20-26=-302/125, 6-2 5-23=-157/115, 3-24 11-27=-268/110, 12-	-28=-4 5=-51/7 -17=-2 -249/1 22=-97, I=-136	13/251, '4, 25-26=-34/6 67/0, 06, /15, /109,	1,	on t 3-0 cho 11) All I cap 12) Pro	the botto 6-00 tall rd and a bearings acity of t vide mee	m cho by 2-0 iny oth are as 565 ps chanic	rd in all areas wh 0-00 wide will fit er members. ssumed to be SP i. al connection (by	between the bottom
TOP CHORD	Structural wood sh 6-0-0 oc purlins.	eathing directly applied or	NOTES	roof live loads have				join upli	t 15, 70 ft at joint	lb uplif	t at joint 2, 57 lb	uplift at joint 19, 97 lb 23 and 86 lb uplift at
BOT CHORD		y applied or 10-0-0 oc	, this design.	7-16; Vult=115mph				13) Thi			ned in accordanc	
WEBS	1 Row at midpt	10-19	Vasd=91mp	h; TCDL=6.0psf; BC	DL=6.	0psf; h=35ft;						ions R502.11.1 and
JOINTS	1 Brace at Jt(s): 26	,		at. II; Exp C; Enclose)				erenced standard	3 ANSI/TPI 1.
	28			e and C-C Exterior(2				LUAD	CASE(S)	5ta	nuard	
$\begin{array}{llllllllllllllllllllllllllllllllllll$			Interior (1) 4-1-0 to 11-10-14, Exterior(2R) 11-10-14 to 16-10-14, Interior (1) 16-10-14 to 23-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15) Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate									MISSOLUS
FORCES	(lb) - Maximum Cor Tension	npression/Maximum	DOL=1.15);	Is=1.0; Rough Cat C						J	NATHA FO	
TOP CHORD	1-2=0/31, 2-3=-236	-170/155, 7-8=-164/160, =-162/224, I-12=-380/174,	design. 6) This truss ha load of 12.0	snow loads have be as been designed for psf or 2.00 times flat	r great t roof le	er of min roof liv bad of 25.0 psf	ve			K	Hanel	BER FORS
BOT CHORD	2-24=-61/129, 23-2 22-23=-61/125, 20-	4=-61/125, 22=-61/125, 19=-2/183, 17-18=-2/183,	overhangs non-concurrent with other live loads. 7) All plates are 1.5x4 MT20 unless otherwise indicated. 8) Gable studs spaced at 2-0-0 oc. 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.							L ENGIL		

September 13,2023



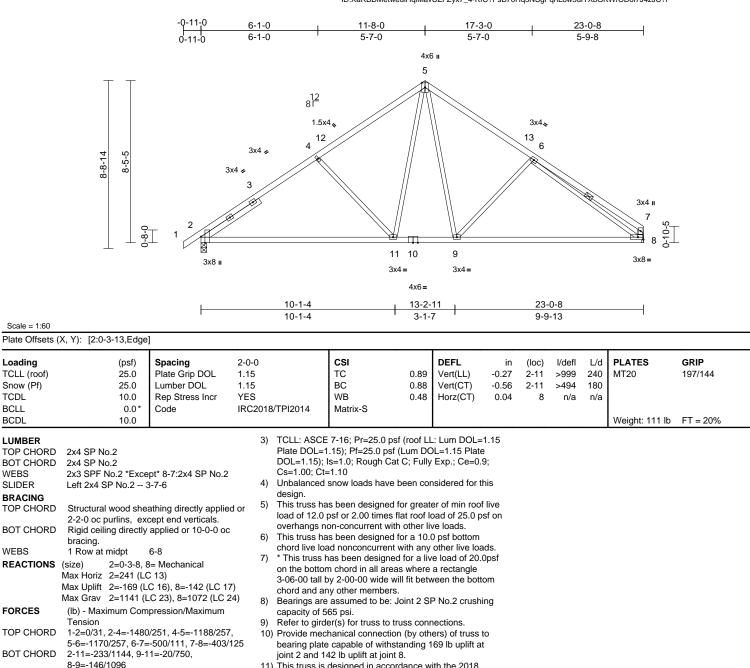
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Job	Truss	Truss Type Q		Ply	Roof - CB Lot 145	
P230395-01	B02	Common	6	1	Job Reference (optional)	160735714

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WEBS NOTES

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

WEBS

WEBS

FORCES

SLIDER

BRACING

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

6-9=-403/268, 6-8=-995/178

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0. Interior (1) 4-1-0 to 11-8-0, Exterior(2R) 11-8-0 to 16-8-0, Interior (1) 16-8-0 to 22-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown: Lumber DOL=1.60 plate grip DOL=1.60

4-11=-448/275, 5-11=-121/476, 5-9=-118/419,

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



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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B03	Half Hip	1	1	Job Reference (optional)	160735715

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:32 ID:MkpTTQidWUev?IDWwAbzVqyx7__-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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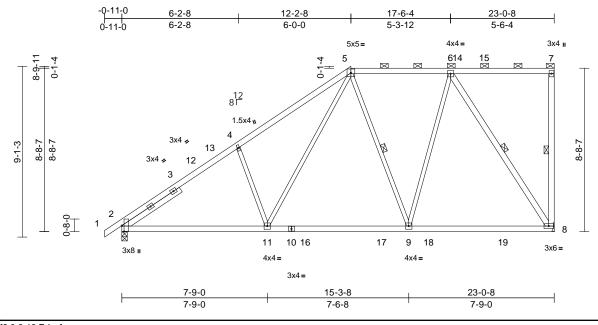


Plate Offsets (X, Y): [2:0-3-13,Edge]

DOL=1.60

Scale = 1:61.4

Loading TCLL (rof) (ps) 250 Spacing Plate Grip DOL Lumber DOL 1.15 2-0-0 1.15 CSI TC TC TC Lumber DOL 1.15 DEFL TC TC Lumber Code in (loc) Videlt Lumber Verticut Udelt Lumber Net Low BCLL Udelt Lumber Low BCLL Udelt Lumber Low BCLL Udelt Lumber Low BCL Udelt Lumber Low BCL PLATES BRACING Code GRIP HIT2 100 10.0 <th></th> <th>-</th>														-
TCLL (roof) 25.0 Plate Grip DOL 1.15 TC 0.98 Vert(L1) -0.15 8-9 -9999 240 MT20 197/144 TCDL 0.01 BCL DCL 1.15 BCC 0.02 BCL DCL 1.15 BCC DCL 1.15 DCL DCL DCL DC	Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCDL 10.0 BCLL Rep Stress Incr YES Code WB 0.58 Matrix-S Horz(CT) 0.04 8 n/a n/a BCDL 10.0 100	TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.98	Vert(LL)	-0.15	8-9	>999	240	MT20	197/144
BCLL 0.0* Code IRC2018/TPI2014 Matrix-S Weight: 131 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 3 TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pl=25.0 psf (Lum DOL=1.16 Plate DOL=1.15); Pl=25.0 psf (Lum DOL=1.16 Plate DOL=1.10; Clate 1.10 9 Portice Plate DOL=1.15 Plate DOL=1.10; Clate 1.10 SUDER Laft 2x4 SP No.2 -3.8.5 Bed Active Plate DOL=1.15; Pl=25.0 psf (Lum DOL=1.16 Plate DOL=1.10; Clate 1.10 9 Portice Plate DOL=1.10; Plate DOL=1.16 Plate DOL=1.10; Clate 1.10 9 Portice Plate DOL=1.16 Plate DOL=1.10; Clate 1.10 9 Portice Plate DOL=1.10; Plate DOL=1.16 Plate DOL=1.10; Plate DOL=1.16; Plate DOL=1.16 Plate DOL=1.10; Plate DOL=1.16 Plate DOL=1.16 Plate Portice Plate DOL=1.16; Plate DOL=1.16 Plate Portice Plate DOL=1.16; Plate DO	Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.77	Vert(CT)	-0.25	8-9	>999	180		
BCDL 10.0 Weight: 131 lb FT = 20% LUMBER TOP CHORD 2x4 SP No.2 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pl=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Pl=25.0 psf (Lum DOL=1.15); Pl=25.0 psf (Lum DOL=1.150; Pl=25.0 psf (Lum DOL=1.150; Pl=25.0 psf (Lum DOL=1.1	TCDL	10.0	Rep Stress Incr	YES		WB	0.58	Horz(CT)	0.04	8	n/a	n/a		
LUMBER TOP CHORD 2x4 SP No.2 TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 SLIDER Left 2x4 SP No.2 SLIDER Left 2x4 SP No.2 SLIDER Left 2x4 SP No.2 SUDER Left 2x4 SP No.2 BOT CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-34 max); 5-7. BOT CHORD Rigid ceiling directly applied or 8-5-11 oc bracing. WEBS 1 Row at midpt 7-8, 5-9, 6-8 REACTIONS (size) 2-0-3-8, 8-m Mechanical Max Upilit Provide adequate drainage to prevent water ponding. Max Horiz 2-a62 (LC 13) Max Grav 2-167 (LC 16), 8=-229 (LC 13) Max Grav Provide adequate drainage to prevent water ponding. Max Horiz 2-a-03-8, 8-m Mechanical Max Valifit Provide adequate drainages where a rectangle 30-60-00 tall by 2-00-00 wide will fit between the bottom Tension This truss has been designed for sub so truss connections. TOP CHORD 1-2-20/31, 2-4=-1962/206, 4-5=-1719/377, 6-5=-7977/16, 6-7=-1727/15, 7-9-1=-721/1502, 9-11=-320/88, WE	BCLL	0.0*	Code	IRC2018	/TPI2014	Matrix-S								
TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 *Except* 7-8,8-6:2x4 SP No.2 SLIDER Left 2x4 SP No.2 - 3-8-5 BRACING 5 TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 co purlins (5-34 max): 5-7. GOT CHORD Rijd ceiling directly applied or 8-5-11 oc bracing. BOT CHORD Rijd ceiling directly applied or 8-5-9, 6-8 REACTIONS (size) 2=0-3-8, 8= Mechanical max is 5-7. Max Uplit 2=-167 (LC 16), 8=-229 (LC 13) Max Grav 2=16516 (LC 38), 8=1400 (LC 39) Max Uplit 2=-167 (LC 16), 8=-229 (LC 13) Max Grav 2=16516 (LC 38), 8=1400 (LC 39) FORCES (lb) -Maximum Compression/Maximum Tension 10 TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/377, 5-8=-772/782 9 BOT CHORD 2-11=-472/1579, 0-11=-320/888, 8=-924/685 10 WEBS 4-11=-682/299, 5-11=-211/1021, 5-6=-712/179, 7-8=-1245/241 Nottes NOTES 1) Unbalanced roof live loads have been considered for the ordin along the top and/or heid depict the size or the ordertation of the purlin along the top and/or Nat Hair St designed in accordance with the 2018 internation does not depict the	BCDL	10.0											Weight: 131 lb	FT = 20%
TOP CHORD 2x4 SP No.2 Plate DOL=1.15; Plate BOT CHORD 2x4 SP No.2 Plate DOL=1.15; Plate BOT CHORD 2x4 SP No.2 *Except *7-8,8-6:2x4 SP No.2 Plate DOL=1.15; Plate SLIDER Left 2x4 SP No.2 *Except *7-8,8-6:2x4 SP No.2 Plate DOL=1.15; Plate BOT CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 co purlins (5-34 max): 5-7. 4 GOT CHORD Rigid ceiling directly applied or 8-5-11 oc bracing. 5 BOT CHORD Rigid ceiling directly applied or 8-5-9, 6-8 6 REACTIONS (size) 2=0-3-8, 8= Mechanical max is 5-7. Max Uplit 2=-167 (LC 16), 8=-229 (LC 13) max for x 2=362 (LC 13) max for x 2=362 (LC 13) max for x 2=1516 (LC 38), 8=1400 (LC 39) 7 This truss has been designed for a 10.0 pdf of 20.0 psf on the bottom chord in all areas where a rectangle 3-06-00 will be y-20/00 will for the weat me bottom chord and any other members, with BCDL = 10.0psf. FORCES (Ib) -Maximum Compression/Maximum Tension 9 TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/371, 5-6=-772/719, 7-8=-777/782 10 BOT CHORD 2-11=-472/1579, 0-11=-320/888, 6-9=-1425/241 10 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-74/786, 6-8=-1245/241 10 NOTES 1) Unbalanced roof live loads have been				3)	TCLL: ASCE	7-16: Pr=25.0 ps	f (roof Ll	: Lum DOL=	1.15					
BOT CHORD 2x4 SP No.2 WEBS 2x3 SPF No.2 * Except* 7-8,8-6:2x4 SP No.2 SUIDER Left 2x4 SP No.2 * 3-8-5 BRACING TOP CHORD TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-4 max): 5-7. BOT CHORD Rigid celling directly applied or 8-5-11 oc bracing. (5-3-4 max): 5-7. For Cless BOT CHORD Rigid celling directly applied or 8-5-11 oc bracing. WEBS 1 Row at midpt 7-8, 5-9, 6-8 For Cless (b) - Maximum Compression/Maximum Tension For Cless (b) - Maximum Compression/Maximum Tension Test 2/24/241 TOP CHORD 1.1=-662/209, 5-11=-211/1021, 5-9=-747/86, 6-8=-1245/241 NOTES 4.11=-682/299, 5-11=-211/1021, 5-9=-747/86, 6-8=-1245/241 NOTES 1) Unbalanced roof live loads have been considered for the origin dering of the origin dering of the origin dering of the purin along the top and/or the origin dering of the purin along the top and/or the origin dering of the purin along the top and/or the dering		2x4 SP No.2		- /										
 SLIDER Left 2x4 SP No.2 - 3-8-5 Unbalanced snow loads have been considered for this design. Unbalanced snow loads have been considered for this design. Unbalanced snow loads have been considered for this design. Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 25.0 psf on overhangs non-concurrent with other live loads. Provide adequate drainage to prevent water ponding. This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 tall					DOL=1.15);	ls=1.0; Rough Ca	t C; Fully	Exp.; Ce=0.	9;					
SLIDER Left 2x4 SP No.2 3-8-5 4) Unbalanced snow loads have been considered for this design. BRACING Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-4 max.): 5-7. 4) Unbalanced snow loads have been considered for this design. BOT CHORD Rigid celling directly applied or 8-5-11 oc bracing. 5) This truss has been designed for a 10.0 psf bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord FORCES (lb) - Maximum Compression/Maximum Tension 10) Refer to girder(is) for truss to ginder in accordance with the 2018 International Reside			ept* 7-8,8-6:2x4 SP No	0.2	Cs=1.00; Ct=	=1.10								
BRACING TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins. (5-3-4 max.): 5-7. 5 BOT CHORD Rigid ceiling directly applied or 8-5-11 oc bracing. 5 BOT CHORD Rigid ceiling directly applied or 8-5-11 oc bracing. 6 WEBS 1 Row at midpt 7-8, 5-9, 6-8 8 2-03-8, 8 Mechanical Max Horiz 2-362 (LC 13) Max Horiz 2-362 (LC 13) 6 Max Grav 2=1516 (LC 38), 8=1400 (LC 39) 7-15 for Us load on concurrent with any other live loads. FORCES (b) - Maximum Compression/Maximum Tension 70 Refer to girder(s) for truss to truss connections. TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-777/216, 6-7=-172/179, 7-8=-277/82 9 BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 10 VEES 4-11=-682/299, 5-11=-211/1021, 5-9=-747/86, 6-8=-1245/241 10 NOTES 1) Unbalanced roof live loads have been considered for the orientation of the purina along the top and/or the orientation of the purina along the top and/or the orientation of the purina along the top and/or the orientation of the purina along the top and/or the orientation of the purina along the top and/or the scept of the orientation of the purina along the top and/or the scept of the orientation of the purina along the top and/or the scept of the direntalor of the p	SLIDER			4)	Unbalanced	snow loads have	been cor	nsidered for t	his					
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 bracing. WEBS 1 Row at midpt 7-8, 5-9, 6-8 REACTIONS (size) 2=0-3-8, 8= Mechanical Max Horiz 2=362 (LC 13) Max Uplift 2=-167 (LC 16), 8=-229 (LC 13) Max Grav 2=1516 (LC 38), 8=1400 (LC 39) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/82 BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241 NOTES 1) Unbalanced roof live loads have been considered for this design A this trus has been designed for a 10.0 pst bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. 10) Refer to girder(s) for truss to truss connections. 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 2. 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. 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or hotom 	BOT CHORD		applied or 8-5-11 oc						g.					
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Max Upilit2=-167 (LC 16), 8=-229 (LC 13) Max Gravchord and any other members, with BCDL = 10.0psf.Max Grav2=1516 (LC 38), 8=1400 (LC 39)9FORCES(lb) - Maximum Compression/Maximum Tension10TOP CHORD1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/820BOT CHORD2-11=-472/1579, 9-11=-320/888, 8-9=-234/68510WEBS4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/24110NOTES1Unbalanced roof live loads have been considered for this design13Graphical purlin representation does not depict the size on the orientation of the purlin along the top and/or bottom chord10Notres1Unbalanced roof live loads have been considered for this design13Graphical purlin representation does not depict the size on the orientation of the purlin along the top and/or bottom chord10Max Grav10Referenced standard ANSI/TPI 1.Moters10Referenced standard ANSI/TPI 1.Noters10Graphical purlin representation does not depict the size on the orientation of the purlin along the top and/or bottom chord		Max Horiz 2=362 (L0	C 13)						om					
Max Grav 2=1516 (LC 38), 8=1400 (LC 39) 9) Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. FORCES (lb) - Maximum Compression/Maximum Tension 9) Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi. TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/82 10) Refer to girder(s) for truss to truss connections. BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 2. WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-74/786, 6-8=-1245/241 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. NOTES 10) Unbalanced roof live loads have been considered for the idesign 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord		Max Uplift 2=-167 (L	C 16), 8=-229 (LC 13))										
FORCES (lb) - Maximum Compression/Maximum Tension capacity of 565 psi. TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/82 10) Refer to girder(s) for truss to truss connections. BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 11) Provide mechanical connection (by others) of truss to joint 8 and 167 lb uplift at joint 2. WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241 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. NOTES 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord 13) Graphical purlin content of the purlin along the top and/or		Max Grav 2=1516 (I	LC 38), 8=1400 (LC 39	9) a)										
Tension 10) Refer to girder(s) for truss to truss connections. TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/82 BOT CHORD 2-11=-472/1579, 9-11=-320/888, 5-28-284/865 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-74/786, 6-8=-1245/241 NOTES 1) Unbalanced roof live loads have been considered for the design 1) Unbalanced roof live loads have been considered for the testing 13) Graphical purlin representation does not depict the size on the orientation of the purlin along the top and/or bottom chord	FORCES	(lb) - Maximum Corr	pression/Maximum	, 3)				110.2 010311	ing					
TOP CHORD 1-2=0/31, 2-4=-1962/206, 4-5=-1719/317, 5-6=-797/216, 6-7=-172/179, 7-8=-277/82 BOT CHORD 2-11=-472/1579, 9-11=-320/88, 8-9=-234/685 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-74/786, 6-8=-1245/241 NOTES 1) Unbalanced roof live loads have been considered for the design 1) Unbalanced roof live loads have been considered for the design 13) Graphical purlin representation does not depict the size on the orientation of the purlin along the top and/or bottom chord			iprocolori, maximum	10)			noo zeur	nections						
5-6=-797/216, 6-7=-172/179, 7-8=-277/82 BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241 NOTES 1) Unbalanced roof live loads have been considered for this design	TOP CHORD		2/206. 4-5=-1719/317.											
BOT CHORD 2-11=-472/1579, 9-11=-320/888, 8-9=-234/685 joint 8 and 167 lb uplift at joint 2. WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241 joint 8 and 167 lb uplift at joint 2. NOTES 1) Unbalanced roof live loads have been considered for the design 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or 13)														
8-9=-234/685 12) This truss is designed in accordance with the 2018 WEBS 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241 12) This truss is designed in accordance with the 2018 NOTES 12) Unbalanced roof live loads have been considered for this design 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or	BOT CHORD	,	,											
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bottom chord	WEBS	4-11=-682/299, 5-11	I=-211/1021,	,	International Residential Code sections R502.11.1 and							alle		
bottom chord				1									B.C. OF I	MISS W
bottom chord	NOTES			13)								1	9 51	N'O'
this design bottom chord		ed roof live loads have	been considered for	,	or the orienta	ation of the purlin	along the	top and/or				8	NATUA	NIEI XAN
	,				bottom chord	J.						R	~/	
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) LOAD CASE(S) Standard	0		(3-second gust)	LO	LOAD CASE(S) Standard							a .	1/ + 1-50	
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;											8/	44	17128	
Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)	Ke=1.00; (Cat. II; Exp C; Enclose	d; MWFRS (envelope	e)								V I		3/1 1/2
exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0,												MA to	NUNANA	KR NON
Interior (1) 4-1-0 to 12-2-8, Exterior(2R) 12-2-8 to												V 7	DE 2022	042250 159 1
19-3-6, interior (1) 19-3-6 to 22-10-12 zone; cantilever				r								N	FE-2022	12239 12 B
left and right exposed ; end vertical left and right												Y	1 Co	1 ONA
exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip												6	SIONTA	TENS
reactions shown; Lumber DOL=1.60 plate grip			1.60 plate grip										UNA A	L

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 toulsable 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.sbcscomponents.com)

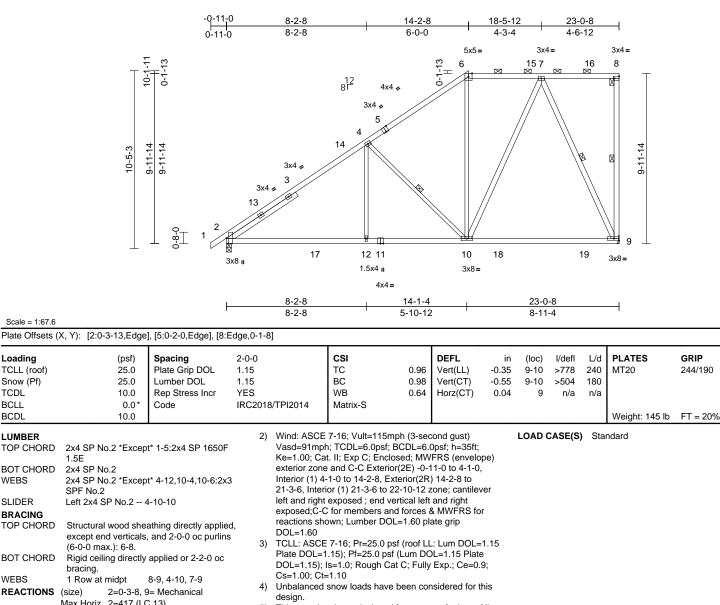


September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B04	Half Hip	1	1	Job Reference (optional)	160735716

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:32 ID:Un8ELUH6RwZE8zIYAXx_vkyx6zF-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



- Max Horiz 2=417 (LC 13) 5) Max Uplift 2=-171 (LC 16), 9=-229 (LC 13) Max Grav 2=1491 (LC 42), 9=1316 (LC 39)
- (lb) Maximum Compression/Maximum 6) Tension 7) 1-2=0/31, 2-4=-1911/186, 4-6=-1133/241, 6-7=-760/227, 7-8=-195/204, 8-9=-229/81 8) 2-12=-448/1552, 10-12=-448/1552,
- WEBS NOTES

Loading

TCLL (roof)

Snow (Pf)

LUMBER

WEBS

SLIDER

WEBS

FORCES

TOP CHORD

BOT CHORD

BRACING

TCDL

BCLL

BCDL

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

7-10=-151/925, 7-9=-1062/289

4-12=0/317, 4-10=-1018/293, 6-10=-29/235,

9-10=-239/477

- This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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, with BCDL = 10.0psf.
- 9) Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 9 and 171 lb uplift at joint 2.
- 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.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

OF MISS NATHANIEI FOX ER PE-2022042259 SIONAL E September 13,2023

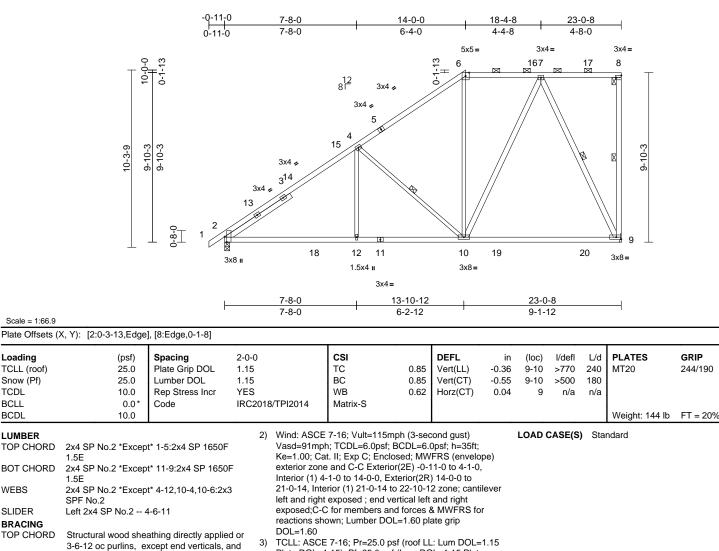
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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B05	Half Hip	1	1	Job Reference (optional)	160735717

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:33 ID:bYyadlexN8LzlabJxqT073yx6yn-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



WEBS NOTES

Scale = 1:66.9

Loading

TCLL (roof)

Snow (Pf)

TCDL

BCLL

BCDL

LUMBER

WEBS

SLIDER

BRACING

TOP CHORD

BOT CHORD

REACTIONS

FORCES

TOP CHORD

BOT CHORD

WEBS

TOP CHORD

BOT CHORD

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

2-0-0 oc purlins (6-0-0 max.): 6-8.

bracing.

Tension

9-10=-240/491

(size)

1 Row at midpt

Max Horiz 2=411 (LC 13)

Rigid ceiling directly applied or 8-7-5 oc

2=0-3-8, 9= Mechanical

Max Uplift 2=-171 (LC 16), 9=-229 (LC 13)

(lb) - Maximum Compression/Maximum

1-2=0/31, 2-4=-1947/192, 4-6=-1156/235,

6-7=-777/226, 7-8=-193/201, 8-9=-234/80

4-12=0/295, 4-10=-987/288, 6-10=-18/219,

2-12=-456/1584, 10-12=-456/1584,

7-10=-149/918, 7-9=-1074/284

Max Grav 2=1487 (LC 42), 9=1323 (LC 39)

8-9, 4-10, 7-9

TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate

- DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 4) Unbalanced snow loads have been considered for this
- desian. This truss has been designed for greater of min roof live 5)
- load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding. 6)
- This truss has been designed for a 10.0 psf bottom 7) chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Bearings are assumed to be: Joint 2 SP No.2 crushing capacity of 565 psi.
- 10) Refer to girder(s) for truss to truss connections.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 9 and 171 lb uplift at joint 2.
- 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.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

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September 13,2023

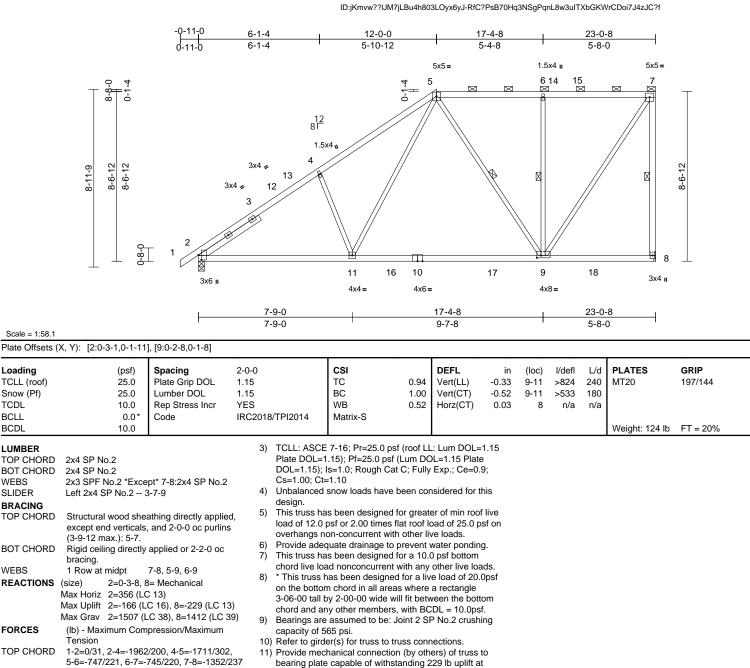


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B06	Half Hip	1	1	Job Reference (optional)	160735718

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:33

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WEBS NOTES

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

WEBS

WEBS

FORCES

BOT CHORD

SLIDER

BRACING

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

8-9=-157/175

2-11=-467/1581, 9-11=-325/873,

4-11=-660/293, 5-11=-180/1070,

5-9=-528/192, 6-9=-814/213, 7-9=-211/1324

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0. Interior (1) 4-1-0 to 12-0-0. Exterior(2R) 12-0-0 to 19-0-14, Interior (1) 19-0-14 to 22-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- joint 8 and 166 lb uplift at joint 2. 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.
- 13) 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



September 13,2023

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B07	Half Hip	1	1	Job Reference (optional)	160735719

10-0-0

3-10-3

10-3-0

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

7-2-3 7-2-3

7-9-15

Scale = 1:52.7

-0-11-0 <u>2-0-12</u> 0-11-0 <u>2-0-12</u>

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23-0-8

6-7-8

0-3-0 MT18HS 5x8 = 3x8= 0-1-13 7 18 19 56 \boxtimes 12 8 Г 3x4 🍬 4

16-5-0

6-2-0

-8-0	1		13			
0	4x6 =	3x4 II	3x8 = 5x8	=	10	20
		MT18HS 3x10	=	Зх4 н	4x4 =	
	2-3-8	3 6-1-13	10-1-9	16-5-	0 1	23-0-8
	2-3-8	3 3-10-5	3-11-11	6-3-7	7	6-7-8
	-8-0	4x6=	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Plate Offsets (X, Y): [2:0-2-11,0-2-0], [3:0-1-8,0-2-0], [5:0-5-5,Edge], [8:Edge,0-2-8], [12:0-3-8,0-2-4], [13:0-2-8,0-1-8], [14:0-3-0,Edge]

6-1-13

4-1-1

17 4x6 🦽 16 3

-													
Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.85	Vert(LL)	-0.13	13-14	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.69	Vert(CT)	-0.20	13-14	>999	180	MT18HS	113/123
TCDL	10.0	Rep Stress Incr	YES		WB	0.65	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0*	Code		B/TPI2014	Matrix-S	0.00		0.10	Ũ				
BCDL	10.0	Code	11(0201)	5/1112014	Matrix-0							Weight: 134 lb	FT = 20%
BCDL	10.0											Weight. 134 lb	F1 = 2078
LUMBER			2)	Wind: ASCE	7-16; Vult=115mpl	n (3-sec	ond aust)		14) Gra	phical p	urlin re	presentation doe	s not depict the size
TOP CHORD	2x6 SPF No.2 *Exce	nt* 5-8 [.] 2x4 SP 1650	F ,		; TCDL=6.0psf; BC							of the purlin along	
	1.5E	pt 0 0.2x1 0. 1000			t. II; Exp C; Enclose			be)		om chor			
BOT CHORD		t* 15-3·1 1/2" x 5 1/2			and C-C Exterior(- /	LOAD			ndard	
DOT OTIOND	2.0E Microllam® LVI				1-0 to 10-0-0, Exte				LOAD		Olu	nuaru	
	1.5E, 6-11:2x3 SPF		01		rior (1) 17-0-14 to 2			ver					
WEBS	2x3 SPF No.2 *Exce		No 2		exposed ; end vert								
BRACING		pt 0 1,2 1 1.2/1 01			for members and								
TOP CHORD		منام معاليه مناب			wn; Lumber DOL=								
TOP CHORD	Structural wood shea 4-1-3 oc purlins, exc			DOL=1.60	,		0 1						
	2-0-0 oc purlins (5-4		3)		7-16; Pr=25.0 psf	(roof LL	: Lum DOL=1	1.15					
BOT CHORD			-,		.15); Pf=25.0 psf (l								
BOT CHORD	Rigid ceiling directly	applied of 6-0-0 oc			s=1.0; Rough Cat								
WEBS	bracing. 1 Row at midpt	7-9		Cs=1.00 Ct=1.10									
			4)	Unbalanced snow loads have been considered for this									
REACTIONS		= Mechanical	,	design.									
	Max Horiz 2=301 (LC	,	5)	This truss has been designed for greater of min roof live									
	Max Uplift 2=-157 (L			load of 12.0	osf or 2.00 times fla	at roof le	ad of 25.0 ps	sf on					
	Max Grav 2=1461 (L	-C 38), 9=1487 (LC 3	37)	overhangs non-concurrent with other live loads.									
FORCES	(lb) - Maximum Com	pression/Maximum	6)	Provide adeo	uate drainage to p	revent	water ponding	1.					
	Tension		7)	All plates are	MT20 plates unles	s other	wise indicated	d.					
TOP CHORD	1-2=0/55, 2-3=-2562	2/296, 3-4=-2158/243	s, 8)	This truss ha	s been designed fo	or a 10.0) psf bottom						
	4-5=-1454/215, 5-6=	-1220/210,	,	chord live loa	ad nonconcurrent w	ith any	other live load	ds.					~
	6-7=-1225/211, 7-8=		93 9)	* This truss h	as been designed	for a liv	e load of 20.0)psf				TATE OF M	and
BOT CHORD	2-15=-234/1029, 14-	15=-19/22,	,	on the bottor	n chord in all areas	where	a rectangle					B. OF I	11S.C.
	3-14=-89/411, 13-14	=-878/3355,		3-06-00 tall b	y 2-00-00 wide will	fit betv	veen the botto	m			1	7 50	20,10
	12-13=-528/1830, 11	1-12=0/102,		chord and ar	y other members,	with BC	DL = 10.0psf				R	S NATHA	NILLI X XX
	6-12=-15/468, 10-11	=-8/66, 9-10=-227/1	049 10) Bearings are	assumed to be: Jo	int 2 SI	No.2 crushir	ng			4	S/ NAILA	
WEBS	10-12=-224/1000, 7-	12=-182/563,		capacity of 5	65 psi.			0		•		FO	X
	7-10=-17/273, 7-9=-		446, 11) Refer to gird	er(s) for truss to tru	ss conr	nections.				an	11-	
	3-13=-1546/354, 2-1	4=-394/1092,	12) Provide mec	echanical connection (by others) of truss to						11	Thilf	11 XD Q
	4-12=-990/232			bearing plate	bearing plate capable of withstanding 226 lb uplift at							ER / OT	
NOTES				joint 9 and 1	57 lb uplift at joint 2		·				127		
1) Unbalance	 Unbalanced roof live loads have been considered for 			13) This truss is designed in accordance with the 2018								042259 / 2 4	
this design.				International Residential Code sections R502.11.1 and							Q	The last	158
0	,				R802.10.2 and referenced standard ANSI/TPI 1.							TNUB	
												UNA NA	LEY
												an	SEC

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



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Page: 1

3x4 II

7-2-3

9 4x6=

8

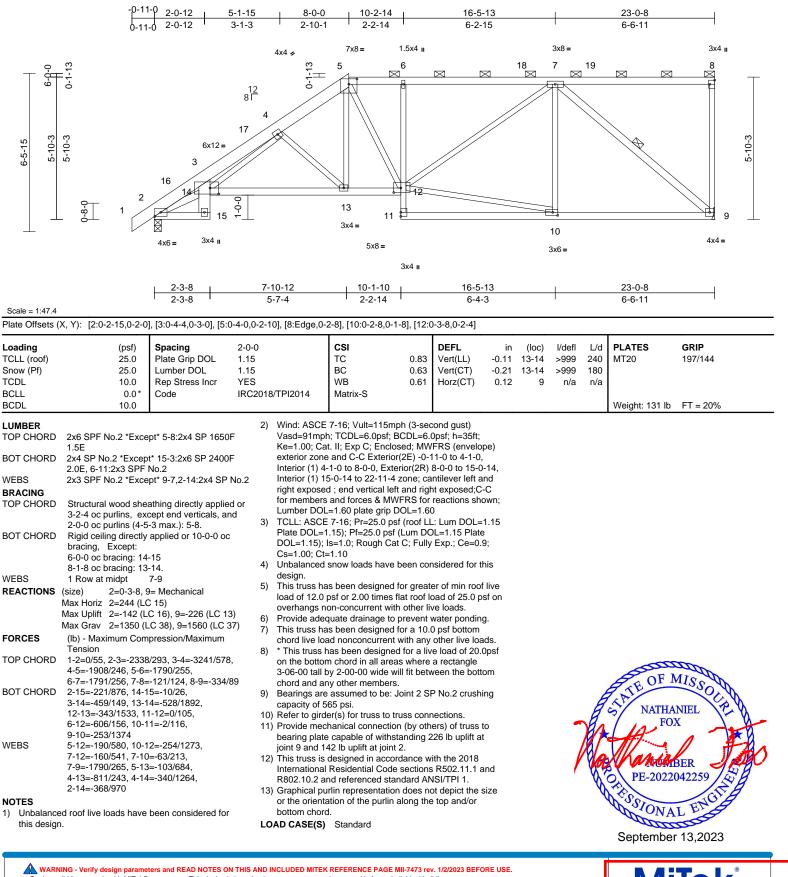
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 colleges 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.sbcscomponents.com)

ſ	Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
	P230395-01	B08	Half Hip	1	1	Job Reference (optional)	160735720

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Page: 1

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B09	Half Hip	1	1	Job Reference (optional)	160735721

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:35 ID:CP0H61S02EFhkd38jLABCiyx6wR-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1

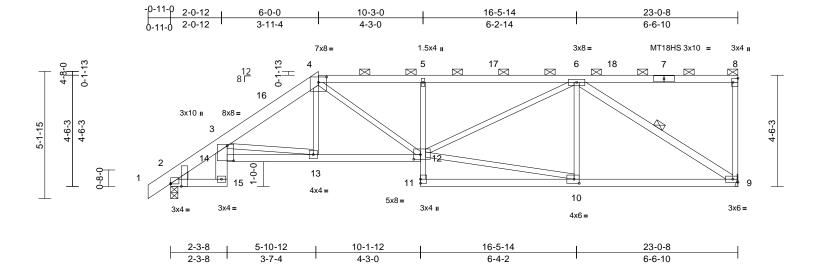


Plate Offsets (X, Y): [2:Edge,0-0-3], [2:0-1-6,Edge], [3:0-3-4,0-7-4], [4:0-4-0,0-2-10], [8:Edge,0-2-8], [10:0-2-8,0-2-0], [12:0-3-4,0-2-4]													
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.84 0.85 0.63	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.25 0.17	(loc) 5 5 9	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 119 lb	GRIP 197/144 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD BOT CHORD	1.5E, 7-8:2x4 SP No 2x4 SP No.2 *Excep 2.0E Microllam® LVI 2x3 SPF No.2 *Exce Left: 2x4 SP No.2 Structural wood she	0.2 t* 15-3:1 1/2" x 5 1/2 L, 5-11:2x3 SPF No.: spt* 9-6:2x4 SP No.2 athing directly applie xcept end verticals, a S-1 max.): 4-8. applied or 10-0-0 oc	2 2 ed or and 3)	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 4: Interior (1) 1: right expose for members Lumber DOL TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct=	7-16; Vult=115m n; TCDL=6.0psf; t. II; Exp C; Enclcle and C-C Exterior 1-0 to 6-0-0, Ext 3-0-14 to 22-11-4 d; end vertical le and forces & MV =1.60 plate grip l : 7-16; Pr=25.0 psf Is=1.0; Rough Ca =1.10 snow loads have	BCDL=6.0 sed; MW r(2E) -0 erior(2R) zone; ca t and righ VFRS for DOL=1.60 sf (roof LL (Lum DC t C; Fully	Dpsf; h=35ft; FRS (envelop 11-0 to 4-1-0, 6-0-0 to 13-0- ntilever left at the exposed;C- reactions sho): Lum DOL=: DL=1.15 Plate Exp.; Ce=0.5	be) -14, nd -C own; 1.15 	LOAD (CASE(S) Sta	ndard	
WEBS REACTIONS FORCES TOP CHORD BOT CHORD WEBS	9-9-2 oc bracing: 12 1 Row at midpt (size) 2=0-3-8, § Max Horiz 2=187 (LC Max Uplift 2=-124 (L Max Grav 2=1242 (L (lb) - Maximum Com 1-2=0/44, 2-3=-1642 4-5=-2707/389, 5-6= 8-9=-339/87 2-15=-286/1109, 14- 13-14=-713/2745, 12	1-13. 6-9 9= Mechanical C 13) C 16), 9=-226 (LC 1: C 37), 9=1602 (LC 3: pression/Maximum 2/168, 3-4=-2303/312 =-2699/389, 6-8=-98/ -15=-2/66, 3-14=0/10 2-13=-367/1936, -666/173, 10-11=-14, 12=-294/1748, 0=-143/179,	, 7) 37) 8) 9) 95, 07, 10 /140, 11 12	load of 12.0 overhangs n Provide adee All plates are This truss ha chord live loa * This truss ha on the bottor 3-06-00 tall th chord and ar b) Bearings are capacity of 5) Refer to gird 2) Provide mec bearing plate joint 9 and 12) This truss is International	er(s) for truss to t hanical connection capable of withs 24 lb uplift at joint designed in acco Residential Code	flat roof k h other lin prevent v ess other for a 10.0 with any d for a liv as where vill fit betv 3. Joint 2 SI russ conr in (by oth tanding 2 : 2. rdance w e sections	bad of 25.0 ps ve loads. water ponding wise indicate o psf bottom other live loa e load of 20.0 a rectangle veen the botto P No.2 crushi nections. ers) of truss t i26 lb uplift at ith the 2018 i R502.11.1 a	sf on g. d. ds.)psf om ng o				S NATHA FOI	BER HAR
NOTES1) Unbalanced roof live loads have been considered for this design.				R802.10.2 and referenced standard ANSI/TPI 1. 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.							L ENGLIS		

September 13,2023

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TION IEW



Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	B10	Half Hip Girder	1	2	Job Reference (optional)	160735722

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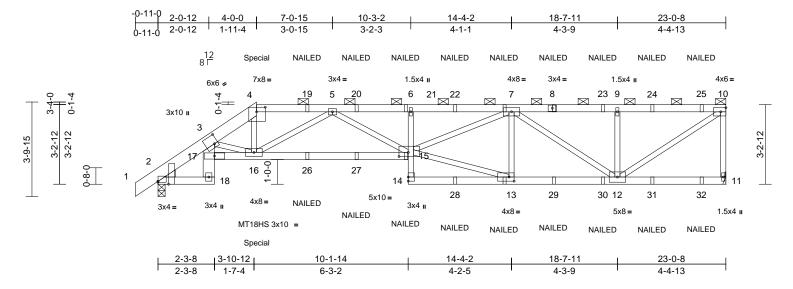
Page: 1

DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 02/06/2024 4:55:57

ΤΙΟΝ

'IEW

September 13,2023



Scale = '	1:46.7
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Plate Offsets (X, Y):	[2:Edge,0-0-7]	[2:0-1-6,Edge], [3:0-1	-12,0-4-4], [4:0-4-4,0-	-2-4], [13:0-2-8,0-2-0],	[15:0-4-8,0-2-0]
-----------------------	----------------	------------------------	-------------------------	--------------------------	------------------

Loading (psf) TCLL (roof) 25.0 Snow (Pf) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing 2-0 Plate Grip DOL 1.1 Lumber DOL 1.1 Rep Stress Incr NC Code IR0	15 15	CSI TC BC WB Matrix-S	0.52 0.80 0.75	· · /	in -0.29 -0.41 0.17	(loc) 15-16 15-16 11	l/defl >935 >662 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 218 lb	GRIP 197/144 113/123 FT = 20%
BOT CHORD 2x4 SP No.2 *Exce 2.0E Microllam® LV 1.5E, 6-14:2x3 SPF WEBS 2x3 SPF No.2 WEDGE Left: 2x4 SP No.2 BRACING TOP CHORD Structural wood shi 6-0-0 oc purlins, e: 2-0-0 oc purlins (4-	eathing directly applied or ccept end verticals, and 2-3 max.): 4-10.	(0.131"x3") Top chords staggered a row at 0-9-0 Bottom choi 0-9-0 oc, 2x at 0-9-0 oc. Web conner 2) All loads are except if no CASE(S) se	ds connected as foll 6 - 2 rows staggered cted as follows: 2x3 - e considered equally red as front (F) or ba ction. Ply to ply conr	s: 2x6 - w at 0- ows: 2: l at 0-9 - 1 row applied ck (B) thection	2 rows 9-0 oc, 2x3 - x4 - 1 row at -0 oc, 2x3 - 1 at 0-9-0 oc. d to all plies, face in the LC s have been	row	on 1 3-0 cho 11) Bea cap 12) Ref 13) Pro bea 11 : 14) This Inte	the botto 6-00 tall ard and a arings ar bacity of er to gird vide me aring plat and 528 s truss is ernationa	om cho by 2-0 iny oth e assu 565 ps der(s) f chanic te capa lb upli s desig ll Resid	rd in all areas wh 0-00 wide will fit er members. Immed to be: Joint i. for truss to truss (al connection (by able of withstandi ft at joint 2. ned in accordance dential Code sect	between the bottom 2 SP No.2 crushing connections. 7 others) of truss to ng 611 lb uplift at joint ce with the 2018 tions R502.11.1 and
bracing. REACTIONS (size) 2=0-3-8, Max Horiz 2=132 (L Max Uplift 2=-528 (Max Grav 2=2212 (FORCES (lb) - Maximum Corr TOP CHORD 1-2=0/44, 2-3=-301 4-5=-4253/1125, 5-	bracing. ETIONS (size) 2=0-3-8, 11= Mechanical Max Horiz 2=132 (LC 15) Max Uplift 2=-528 (LC 16), 11=-611 (LC 13) Max Grav 2=2212 (LC 37), 11=2378 (LC 37) EES (Ib) - Maximum Compression/Maximum Tension			 CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; bcDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -0-11-0 to 4-0-0, Exterior(2R) 4-0-0 to 11-0-14, Interior (1) 11-0-14 to 22-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber 							
9-10=-2928/757, 10 BOT CHORD 2-18=-607/2057, 17 3-17=-189/73, 16-1 15-16=-1576/5993, 6-15=-488/145, 13- 12-13=-1168/4468.	-11=-2308/638 -18=-16/105, 7=-1464/4974, 14-15=0/99, 14=-50/225,	 4) TCLL: ASC Plate DOL= DOL=1.15); Cs=1.00; Ct 5) Unbalanced 	late grip DOL=1.60 E 7-16; Pr=25.0 psf (1.15); Pf=25.0 psf (L Is=1.0; Rough Cat C =1.10 snow loads have be	um DC ; Fully	DL=1.15 Plate Exp.; Ce=0.9	9;				STATE OF I	
WEBS 5-15=-367/1347, 11 7-15=-741/2845, 7- 7-12=-1865/473, 9 10-12=-898/3502, 0 4-16=-587/2244, 5-	-15=-1151/4368, 13=-933/358, 12=-798/332, -16=-729/293,	 6) This truss h load of 12.0 overhangs r 7) Provide ade 8) All plates ar 9) This truss h 	 load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads. Provide adequate drainage to prevent water ponding. All plates are MT20 plates unless otherwise indicated. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 							PE-2022	042259

Continued on page 2 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members 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 **ANS/TPH1 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.sbcscomponents.com)

Job	Truss	Truss Type Qty Ply Roof - CB Lot 145				
P230395-01	B10	Half Hip Girder	1	2	Job Reference (optional)	160735722

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:36

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Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 157 lb down and 89 lb up at 4-0-0 on top chord, and 387 lb down and 166 lb up at 4-0-0 on bottom 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: 1-4=-70, 4-10=-70, 2-18=-20, 15-17=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 4=-26 (B), 8=-147 (B), 15=-152 (B), 6=-14 (B), 13=-19 (B), 7=-147 (B), 16=-387 (B), 19=-14 (B), 20=-14 (B), 22=-147 (B), 23=-147 (B), 24=-147 (B), 25=-152 (B), 26=-152 (B), 27=-152 (B), 28=-19 (B), 29=-19 (B), 30=-19 (B), 31=-19 (B), 32=-21 (B)

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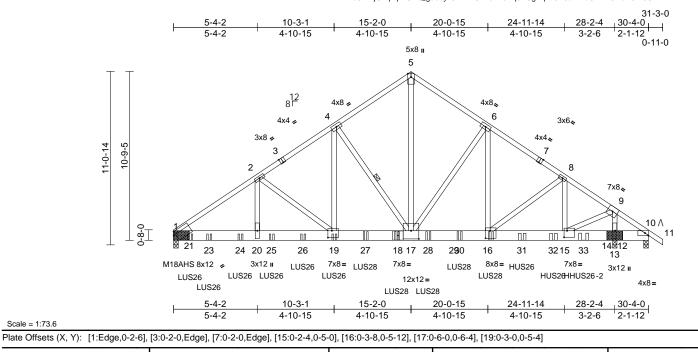
Page: 2

Job	Truss Truss Type		Qty Ply		Roof - CB Lot 145	
P230395-01	C01	Common Girder	1	2	Job Reference (optional)	160735723

Scale = 1:73.6

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Page: 1



Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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	/TPI2014	CSI TC BC WB Matrix-S	0.87 0.53 0.86	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.22 -0.34 0.07	(loc) 17-19 17-19 10	l/defl >999 >987 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 508 lb	GRIP 244/190 186/179 FT = 20%
	2-11-4 oc purlins. Rigid ceiling directly bracing. 1 Row at midpt (size) 1=(0-3-8 - 0-4-2), 10 bearing bl Max Horiz 1=-295 (L Max Uplift 1=-5131 (13=-2931 Max Grav 1=9962 (L	4 SP No.2 t* 17-5,15-9:2x4 SP athing directly applied applied or 10-0-0 oc 4-17 + bearing block), (req =0-3-8, 13=(0-3-6 + lock), (req. 0-4-11) C 12) LC 16), 10=REL, (LC 17) LC 23), 10=830 (LC 1	1 or 2)	(0.131"x3") n Top chords c oc. Bottom chord staggered at Web connect All loads are except if note CASE(S) sec provided to d unless otherv 2x8 SP 2400 attached to e nails spaced Bearing is as 2x8 SP 2400 attached to e nails spaced	be connected toge ails as follows: onnected as follow ds connected as follow ds connected as follows: ed as follows: 2x4 considered equally d as front (F) or be tion. Ply to ply con istribute only loads vise indicated. F 2.0E bearing blo ach face with 4 ro 3" o.c. 16 Total fas sumed to be SP 2. F 2.0E bearing blo ach face with 4 ro 3" o.c. 16 Total fas sumed to be SP 2.	/s: 2x4 - 1 row / applie ack (B) inection s noted ck 12" I ws of 1 steners 400F 2. ck 12" I uws of 1 steners	- 1 row at 0-6- x8 - 4 rows at 0-9-0 oc. d to all plies, face in the LC s have been as (F) or (B), ong at jt. 1 0d (0.131"x3", per block. 0g (0.131"x3", per block.)	load over 10) All 11) This cho 12) * Th on 1 3-0 cho 13) All cap 14) Pro bea join 15) "/\" mo 16) This Inte	d of 12.0 rhangs r blates ar s truss h rd live lc inis truss the botto 6-00 tall rd and a bearings acity of i vide meu- ring plat t 1 and 2 indicates vement a s truss is	psf or non-co e MT2 as bee ad non has be m cho by 2-0 ny oth are as 305 ps chanic e capa 2931 lt s Relea at joint desig I Resid	2.00 times flat i ncurrent with ot 10 plates unless en designed for a nconcurrent with sen designed for rd in all areas w 10-00 wide will fi er members, wi ssumed to be Sl i. al connection (b able of withstanco o uplift at joint 1: ased bearing: al (s) 10. ned in accordar	otherwise indicated. a 10.0 psf bottom n any other live loads. r a live load of 20.0psf here a rectangle t between the bottom th BCDL = 10.0psf. P 2400F 2.0E crushing any others) of truss to ding 1513 lb uplift at 3. low for upward nece with the 2018 ctions R502.11.1 and
FORCES	13=11360 (Ib) - Maximum Com	· /	5)	Unbalanced this design.	roof live loads have	e been	considered for	r					
TOP CHORD	Tension 1-2=-14040/2142, 2- 4-5=-8800/1523, 5-6 6-8=-10886/1716, 8- 9-10=-1501/0, 10-11	5=-8758/1524, ·9=-10418/1373,	6)	Wind: ASCE Vasd=91mph Ke=1.00; Cat exterior zone	7-16; Vult=115mpl a; TCDL=6.0psf; B0 t. II; Exp C; Enclose and C-C Exterior(4-2 to 15-2-0, Exte	CDL=6./ ed; MW 2E) 0-1	0psf; h=35ft; /FRS (envelop -12 to 5-4-2,	be)			6	ATE OF	MISSOL
BOT CHORD	1-20=-1833/11326, 17-19=-1448/9389, 15-16=-1032/8613, 10-13=0/1138	19-20=-1833/11326, 16-17=-1250/8997, 13-15=0/1138,		20-0-15, Inte left and right exposed;C-C	rior (1) 20-0-15 to 3 exposed ; end vert for members and own; Lumber DOL=	31-3-0 z tical left forces a	zone; cantileve and right & MWFRS for			٢	h	S NATH	ANIEL YZY
WEBS	2-20=-367/3033, 2-1 4-19=-638/4155, 4-1 5-17=-1545/9243, 6 6-16=-453/3389, 9-1 9-15=-1891/8436, 8- 8-15=-1247/420	7=-3841/745, 17=-3221/577, 3=-8844/2169,	,	Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced	7-16; Pr=25.0 psf .15); Pf=25.0 psf (I s=1.0; Rough Cat :1.10 snow loads have b	Lum DC C; Fully	DL=1.15 Plate Exp.; Ce=0.9	9;		/		FESSION	AL ENGLASS
NOTES				design.								and and	and a

September 13,2023



Continued on page 2 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not

besign value to dury with with where outputs into design is based only door parameters shown, and is for an individual building design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members 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 **ANS/TPH1 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.sbcscomponents.com)

Job	Truss	ss Truss Type		Ply	Roof - CB Lot 145	
P230395-01	C01	Common Girder	1	2	Job Reference (optional)	160735723

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:37

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Page: 2

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

- 17) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-12 from the left end to 10-3-4 to connect truss(es) to back face of bottom chord.
- 18) Use Simpson Strong-Tie LUS28 (6-SD9112 Girder, 4-SD9212 Truss, Single Ply Girder) or equivalent spaced at 6-0-0 oc max. starting at 12-3-4 from the left end to 20-3-4 to connect truss(es) to back face of bottom chord.
- 19) Use Simpson Strong-Tie LUS28 (6-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 14-3-4 from the left end to 16-3-4 to connect truss(es) to back face of bottom chord.
- 20) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 22-3-4 from the left end to 24-3-4 to connect truss(es) to back face of bottom chord.
- Use Simpson Strong-Tie HHUS26-2 (14-10d Girder, 4-10d Truss) or equivalent at 26-2-7 from the left end to connect truss(es) to back face of bottom chord.
- 22) Fill all nail holes where hanger is in contact with lumber. LOAD CASE(S) Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (lb/ft)
 - Vert: 1-5=-70, 5-11=-70, 1-10=-20
 - Concentrated Loads (lb) Vert: 18=-1254 (B), 19=-1052 (B), 16=-1467 (B),
 - 21=-1053 (B), 23=-1052 (B), 24=-1052 (B),
 - 25=-1052 (B), 26=-1052 (B), 27=-1360 (B),
 - 28=-1266 (B), 30=-1370 (B), 31=-1540 (B),
 - 32=-1582 (B), 33=-2358 (B)

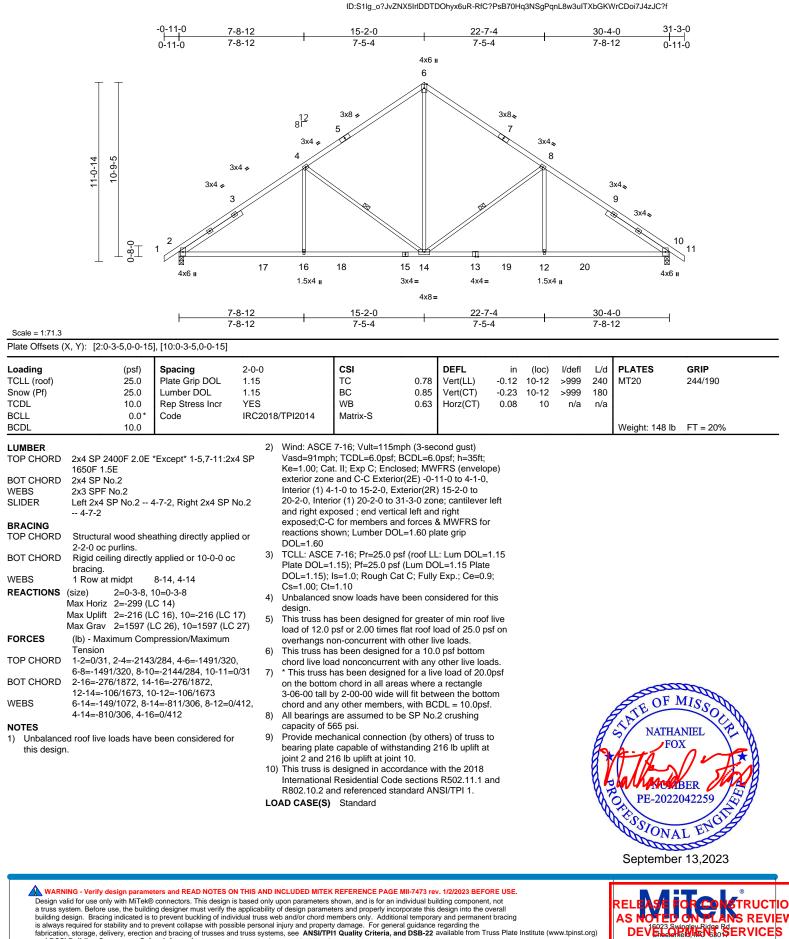
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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.sbcscomponents.com)



Job	Truss	Truss Type Qty Ply Roof - CB Lot 145		Roof - CB Lot 145		
P230395-01	C02	Common	3	1	Job Reference (optional)	160735724

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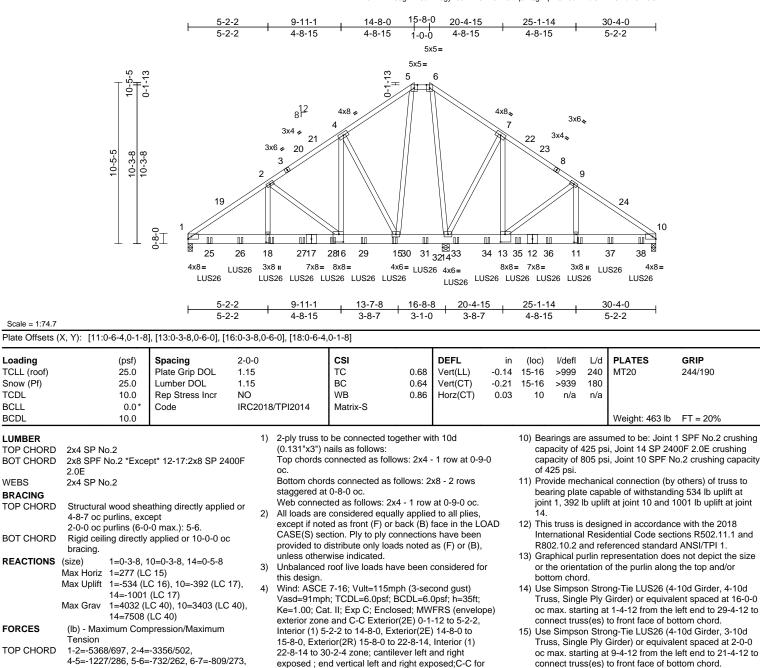


and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

Job	Truss Truss Type		Qty	Ply	Roof - CB Lot 145		
P230395-01	C03	Hip Girder	1	2	Job Reference (optional)	160735725	

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:39 ID:m?rts4KhE263g2hh6cwmJgyx6sk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



members and forces & MWFRS for reactions shown;

Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate

DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9;

Unbalanced snow loads have been considered for this

Provide adequate drainage to prevent water ponding.

chord live load nonconcurrent with any other live loads.

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

This truss has been designed for a 10.0 psf bottom

on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom

chord and any other members, with BCDL = 10.0psf.

TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15

Lumber DOL=1.60 plate grip DOL=1.60



Continued on page 2

7-9=-1818/288, 9-10=-4182/500

10-11=-342/3306

1-18=-663/4260, 16-18=-663/4260

15-16=-438/2670, 14-15=-194/774,

2-18=-205/1970, 2-16=-2004/377,

4-16=-552/3936, 7-13=-262/1599,

9-13=-2447/440, 9-11=-248/2321,

6-14=-880/120, 5-15=-202/1210,

7-14=-1660/406, 4-15=-3934/687

13-14=-179/1364, 11-13=-342/3306,

Loading

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

WEBS

BRACING

FORCES

BOT CHORD

WEBS

NOTES

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Cs=1.00; Ct=1.10

design

5)

6)

7)

8)

9)

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145				
P230395-01	C03	Hip Girder	1	2	Job Reference (optional)	160735725			

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:39 ID:m?rts4KhE263g2hh6cwmJgyx6sk-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

16) Fill all nail holes where hanger is in contact with lumber. 17) N/A

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-5=-70, 5-6=-70, 6-10=-70, 1-10=-20

Concentrated Loads (lb)

Vert: 18=-726 (F), 11=-726 (F), 15=-726 (F), 25=-726 (F), 26=-726 (F), 27=-726 (F), 28=-726 (F), 29=-726 (F), 31=-726 (F), 33=-726 (F), 34=-726 (F), 35=-726 (F), 36=-726 (F), 37=-726 (F), 38=-728 (F)

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145		
P230395-01	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional)	160735726	

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in

(loc)

9 >717

10 >500

7

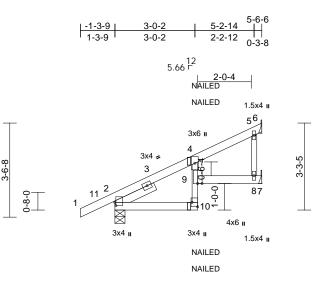
l/defl

n/a n/a

L/d

240

180





Scale = 1:43.4

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.09
Snow (Pf)	25.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.13
TCDL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.06
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-S			
BCDL	10.0	-					
LUMBER TOP CHORD	2x4 SP No.2	•	3) Unbalanceo design.	d snow loads ha	ve been cor	nsidered for t	his

TOP CHORD	2x4 SP N	0.2
BOT CHORD	2x4 SP N	o.2 *Except* 10-4:2x3 SPF No.2
WEBS	2x3 SPF	•
SLIDER		SP No.2 1-7-9
	Len 2x4 C	51 110.2 1-7-5
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	5-6-6 oc	purlins.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	2=0-4-9, 6= Mechanical, 7=
	()	Mechanical
	Max Horiz	2=138 (LC 16)
	Max Uplift	2=-57 (LC 16), 6=-7 (LC 16), 7=-79
		(LC 16)
	Max Grav	2=477 (LC 23), 6=80 (LC 23),
		7=263 (LC 23)
FORCES	(lb) - Max	timum Compression/Maximum
	Tension	
TOP CHORD	1-2=0/30.	, 2-4=-391/44, 4-5=-78/80,
	5-6=-13/3	
BOT CHORD	2-10=-13	8/219, 9-10=-5/68, 4-9=0/77,
	8-9=0/0,	
WEBS	5-8=-158	
NOTES		

Plate Offsets (X, Y): [2:0-1-8,0-0-7], [10:Edge,0-2-8]

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3) 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=25.0 psf (roof LL: Lum DOL=1.15 2) Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

- 4) This truss has been designed for greater of min roof live
- load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom 5)
- chord live load nonconcurrent with any other live loads. 6) * 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.
- Bearings are assumed to be: , Joint 2 SP No.2 crushing 7) capacity of 565 psi.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 9) bearing plate capable of withstanding 7 lb uplift at joint 6, 57 lb uplift at joint 2 and 79 lb uplift at joint 7.
- 10) 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.
- 11) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS auidelines.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- LOAD CASE(S) Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate 1) Increase=1.15 Uniform Loads (lb/ft)
 - Vert: 1-6=-70, 2-10=-20, 7-9=-20



PLATES

Weight: 25 lb

MT20

GRIP

244/190

FT = 20%

Page: 1

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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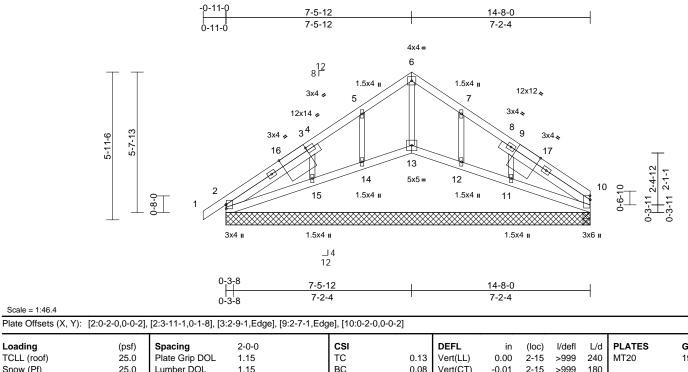


Job	Truss	Truss Type		Ply	Roof - CB Lot 145	
P230395-01	D01	Scissor Supported Gable	2	1	Job Reference (optional)	160735727

Scale = 1:46.4

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:40 ID:1?iDxIh3U4YRR3ii3h_aCiyx6tY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.13 0.08 0.05	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 2-15 2-15 10	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 72 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	No.2 4-4-7 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 2=14-8-0, 12=14-8-0	, 10=14-8-0, 11=14-8- 0, 13=14-8-0, 14=14-8	3)),	Vasd=91mph Ke=1.00; Car exterior zone Interior (1) 4- 12-5-12, Inte left and right exposed;C-C reactions sho DOL=1.60 Truss desigr only. For stu see Standarc or consult qu	7-16; Vult=115m; ;; TCDL=6.0psf; E t. II; Exp C; Enclo: and C-C Exterior 1-0 to 7-5-12, Ext irior (1) 12-5-12 to exposed ; end ve for members and wm; Lumber DOL hed for wind loads ds exposed to wind 1 Industry Gable E alified building de 7-16; Pr=25.0 ps	CDL=6. sed; MW (2E) -0- terior(2R 14-6-14 trical left d forces of =1.60 pl s in the p nd (norm End Deta signer a	Dpsf; h=35ft; FRS (envelo 11-0 to 4-1-0) 7-5-12 to zone; cantilk and right & MWFRS fo ate grip lane of the tr al to the face ils as applica s per ANS/T	ever or uss ∋), able, ¡PI 1.	sur 13) Thi Inte R80	face with s truss is ernationa	n truss s desig Il Resid and ref	chord at joint(s) ned in accordance dential Code sect erenced standar	ce with the 2018 tions R502.11.1 and
	14=-76 (L Max Grav 2=223 (L0 11=357 (L	C 13) C 17), 10=-16 (LC 17), LC 17), 12=-70 (LC 1 C 16), 15=-131 (LC 1 C 23), 10=128 (LC 24) LC 24), 12=269 (LC 2 LC 33), 14=271 (LC 23)	5) , (1), 6)	Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. This truss ha load of 12.0 ; overhangs no	.15); Pf=25.0 psf s=1.0; Rough Cat	(Lum DC t C; Fully been cor for great fat roof le n other li	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min roo bad of 25.0 p	e 9; his f live					
FORCES	(lb) - Maximum Com Tension 1-2=0/24, 2-3=-148/ 5-6=-90/136, 6-7=-9	126, 3-5=-123/102,	8) 9)	This truss ha chord live loa * This truss h	s been designed ad nonconcurrent has been designed n chord in all area	for a 10.0 with any d for a liv	other live loa e load of 20.				Å	STATE OF I	
BOT CHORD	9-10=-88/76 2-15=-61/115, 14-15 12-13=-64/115, 11-1 10-11=-56/110	5=-66/114, 13-14=-64/ 2=-66/115,	,	chord and an	by 2-00-00 wide w by other members are assumed to be			tom				FO	
WEBS NOTES 1) Unbalance this design	6-13=-141/1, 5-14=- 7-12=-236/95, 9-11= ed roof live loads have		^{2,} 11) Provide mech bearing plate 10, 62 lb upli	hanical connection capable of withst ft at joint 2, 76 lb 15, 70 lb uplift at j	tanding 1 uplift at j	6 lb uplift at pint 14, 131 l	joint b			A A A A A A A A A A A A A A A A A A A	PE-2022	L ENGINE

September 13,2023

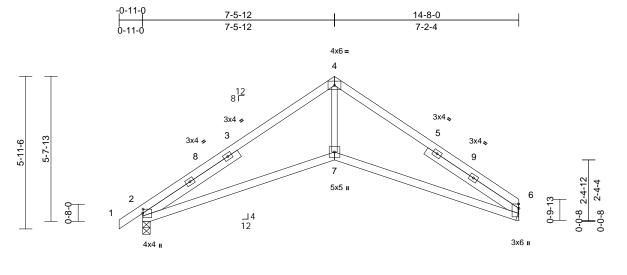


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	D02	Scissor	15	1	Job Reference (optional)	160735728

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Page: 1



	0-3-8	7-5-12	14-6-8	14-8-0
	0-3-8	7-2-4	7-0-12	0-1-8
Scale = 1:44 9				

Plate Offsets (X, Y): [2:0-1-15,0-0-2], [6:0-2-0,0-0-2]

exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 7-5-12, Exterior(2R) 7-5-12 to 12-5-12, Interior (1) 12-5-12 to 14-6-14 zone; cantilever left and right exposed ; end vertical left and right

exposed;C-C for members and forces & MWFRS for

reactions shown; Lumber DOL=1.60 plate grip

DOL=1.60

	(X, T). [2.0-1-10,0-0-2], [0.0-2-0,0-0-2]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.86 0.59 0.26	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.21 0.04	(loc) 2-7 2-7 6	l/defl >999 >816 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 67 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	bracing.	4-5-14, Right 2x4 SF athing directly applie applied or 10-0-0 or 6= Mechanical C 13) C 16), 6=-88 (LC 17	4) 5) ed or 6) 5 7)	Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n This truss ha chord live loa * This truss ha chord live loa	snow loads have b as been designed for psf or 2.00 times flaton- on-concurrent with as been designed for ad nonconcurrent w has been designed in chord in all areas by 2-00-00 wide will by other members. assumed to be: Jo	Lum DC C; Fully een cor or great at roof le other li or a 10. vith any for a liv s where I fit betv	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min roo bad of 25.0 p ve loads. 0 psf bottom other live loa e load of 20. a rectangle veen the bott	e 9; his f live ssf on ads. 0psf					
this design 2) Wind: ASC Vasd=91m Ke=1.00; ((lb) - Maximum Com Tension 1-2=0/24, 2-4=-1296 2-7=-65/982, 6-7=-6 4-7=0/767 ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose	5/165, 4-6=-1302/18 3/983 been considered for (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop	1 1 1 1 1 12	 Bearing at jo using ANSI/ designer sho Provide mec bearing plate 6 and 117 lb This truss is International 	er(s) for truss to tru int(s) 2 considers p FPI 1 angle to grain juld verify capacity hanical connection a capable of withsta uplift at joint 2. designed in accord Residential Code s and referenced stand Standard	oarallel of formul of bear (by oth anding 8 lance w sections	to grain value a. Building ing surface. ers) of truss 88 lb uplift at ith the 2018 \$ R502.11.1 at	to joint			la l	STATE OF I	MISSOUR



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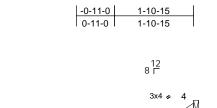
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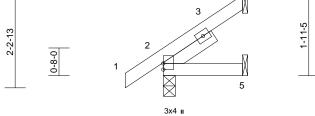
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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only with with twit even connectors. This design is based only upon parameters shown, and is for an individual building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, 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.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	J01	Jack-Open	2	1	Job Reference (optional)	160735729

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:41 ID:WzHepUPuyI1D29ymbUfe72yx7?g-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1





1-10-15

Scale = 1:27.8

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.11	Vert(LL)	0.00	2-5	>999	240	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.04	Vert(CT)	0.00	2-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2	018/TPI2014	Matrix-P								
BCDL	10.0	-										Weight: 10 lb	FT = 20%
LUMBER				5) This truss ha	as been designed	d for a 10.0) psf bottom						
TOP CHORD	2x4 SP No.2				ad nonconcurrent								
BOT CHORD	2x4 SP No.2				has been designe			0psf					
SLIDER	Left 2x4 SP No.2 7	1-4-12			m chord in all are								
BRACING					by 2-00-00 wide v		veen the bott	om					
TOP CHORD	Structural wood she 1-10-15 oc purlins.	athing directly appli	ed or	7) Bearings are	ny other members assumed to be:		SP No.2 crus	hing					
BOT CHORD		applied or 10-0-0 o	C	capacity of 5 8) Refer to gird	665 psi. ler(s) for truss to	truss con	nections.						
REACTIONS	0	4= Mechanical, 5=			chanical connection								
	Mechanic	,			e capable of with	standing 1	8 lb uplift at	joint					
	Max Horiz 2=80 (LC				uplift at joint 4.								
	Max Uplift 2=-18 (LC	,)		designed in acco Residential Code			اممد					
	Max Grav 2=239 (L0 (LC 7)	C 23), 4=77 (LC 23)		R802.10.2 a	nd referenced sta			and					
FORCES	(lb) - Maximum Corr Tension	pression/Maximum		LOAD CASE(S)	Standard								
TOP CHORD		0											
BOT CHORD	,	-											
NOTES													
	SCE 7-16; Vult=115mph	(3-second qust)											
	mph; TCDL=6.0psf; BC												
	; Cat. II; Exp C; Enclose		pe)										
	zone and C-C Exterior(2											200	1000
and right	exposed ; end vertical	left and right										A OF	MISO
	;C-C for members and f		r								1	950	W.OS
	s shown; Lumber DOL=	1.60 plate grip									R	NATH.	
DOL=1.6	•										A	STATE OF NATH	
	SCE 7-16; Pr=25.0 psf (K .	FC	
	DL=1.15); Pf=25.0 psf (L										117	I H	
DOL=1.1	5); Is=1.0; Rough Cat 0	∍; Fully Exp.; Ce=0.9	9;										

- ough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this 3) desian.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

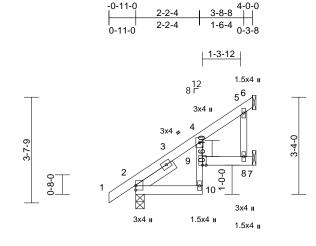
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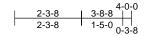
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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	J02	Jack-Open	4	1	I Job Reference (optional)	60735730

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:41 ID:P?2aDgf3?IhF3N3oKOXZTUyx7?L-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





Scale = 1:39.5

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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	4 CSI TC BC WB Matrix-S	0.25 0.32 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.04 0.02	(loc) 9 10 7	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 BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 *Excep 2x3 SPF No.2 Left 2x4 SP No.2 Structural wood she 4-0-0 oc purlins. Rigid ceiling directly bracing.	eathing directly applied applied or 10-0-0 oc 6= Mechanical, 7= cal C 16) C 16), 6=-27 (LC 16), C 16) C 23), 6=84 (LC 23),	load o overh- 5) This tr chord 6) * This dor 7) Bearin capac 8) Refer 9) Provic bearin 6, 16 I 10) This tr Interna	uss has been designe 12.0 psf or 2.00 time ngs non-concurrent v uss has been designe ve load nonconcurre rruss has been designe bottom chord in all ar 0 tall by 2-00-00 wide and any other member gs are assumed to be ty of 565 psi. 0 girder(s) for truss t 0 mechanical connect g plate capable of with 0 uplift at joint 2 and 5 uss is designed in acc tional Residential Co 0.2 and referenced s	es flat roof I vith other Ii ed for a 10. Int with any need for a liv reas where will fit betw ers. I joint 2 st o truss con tion (by oth hstanding 2 s8 Ib uplift a s8 Ib uplift a cordance w de sections	oad of 25.0 p ve loads. 0 psf bottom other live loa e load of 20. a rectangle ween the bott SP No.2 crus nections. nections. ners) of truss 27 lb uplift at at joint 7. ith the 2018 \$ R502.11.1 a	ads. Opsf com hing to joint					
FORCES	(lb) - Maximum Con Tension	npression/Maximum	LOAD CA	SE(S) Standard								
TOP CHORD BOT CHORD	,	′0, 4-5=-74/75, 5-6=-2 =-6/49, 4-9=-1/54,	8/45									
WEBS	5-8=-95/68											
NOTES											000	alle
Vasd=91n Ke=1.00; exterior zc and right e exposed;0 reactions DOL=1.60	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and f shown; Lumber DOL=) CE 7-16; Pr=25.0 psf (EDL=6.0psf; h=35ft; ad; MWFRS (envelope 2E) zone; cantilever le left and right forces & MWFRS for 1.60 plate grip	ft								STATE OF J	ANIEL CANA

- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

September 13,2023

PE-2022042259

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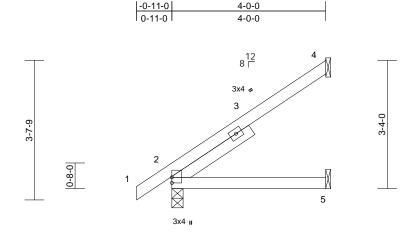




Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	J03	Jack-Open	6	1	Job Reference (optional)	160735731

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:41 ID:?ius9Sqri3SFIX7U8Knr2Ryx7?7-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1





4-0-0

Scale = 1:30

00010 - 1.00												-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-P	0.52 0.19 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.03 0.01	(loc) 2-5 2-5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 19 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORE BOT CHORE SLIDER BRACING TOP CHORE BOT CHORE REACTIONS	 2x4 SP No.2 Left 2x4 SP No.2 Structural wood shi 4-0-0 oc purlins. Rigid ceiling directi bracing. 	eathing directly appli y applied or 10-0-0 o 4= Mechanical, 5= cal C 16) C 16), 4=-108 (LC 16 C 23), 4=217 (LC 23	7) 8) 9) 6) 10	chord live loa * This truss I on the bottoo 3-06-00 tall I chord and at Bearings are capacity of 5 Refer to gird Provide mec bearing plate joint 4 and 1) This truss is International	ler(s) for truss to t chanical connection e capable of withst 6 lb uplift at joint 2 designed in accor Residential Code nd referenced star	with any d for a liv as where rill fit betw Joint 2 S truss con n (by oth tanding 1 2. rdance w e sections	other live loa e load of 20.0 a rectangle veen the bott SP No.2 crush nections. ers) of truss t 08 lb uplift at ith the 2018 i R502.11.1 a	Opsf om hing to					
FORCES TOP CHORD BOT CHORD	Tension 0 1-2=0/31, 2-4=-157	npression/Maximum /94			Standard								
Vasd=91 Ke=1.00; exterior z and right exposed; reactions DOL=1.6 2) TCLL: AS	SCE 7-16; Vult=115mp mph; TCDL=6.0psf; B(cat. II; Exp C; Enclos cone and C-C Exterior(exposed ; end vertical ;C-C for members and s shown; Lumber DOL= 50 SCE 7-16; Pr=25.0 psf (U = 1.16; Pr=25.0 psf)	CDL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever left and right forces & MWFRS for e1.60 plate grip (roof LL: Lum DOL=	left r 1.15							•		STATE OF I	

- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.

September 13,2023

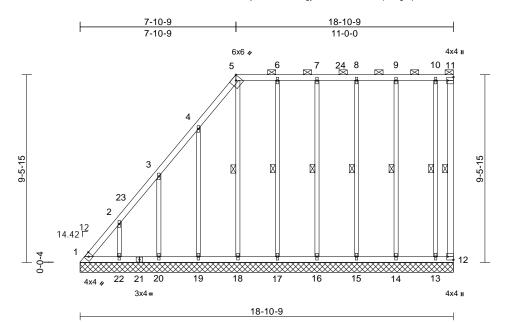
DEVELOPMENT: SERVICES LEE'S'SUMMIT: MISSOURI 02/06/2024 4:55:58

PE-2022042259

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/TPH Claulity 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.sbcscomponents.com)

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	LG01	Lay-In Gable	1	1	Job Reference (optional)	160735732

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:41 ID:_uJbS0CrjO0V7hkhf7NuTgyx7?w-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 1



Scale = 1:58.3

Plate Offsets (X, Y): [5:0-2-11,Edge], [11:Edge,0-3-8], [12:Edge,0-3-8]

	, , , , , , , , , , , , , , , , , , , ,	2 11,Eugo	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12.Eugo	,0 0 0]									
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL		(psf) 25.0 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2	018/TPI2014	CSI TC BC WB Matrix-S	0.96 0.33 0.34	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 12	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 126 lb	GRIP 244/190
BCDL		10.0		-									weight: 126 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP N 2x4 SPF 2x3 SPF Structura 6-0-0 oc 2-0-0 oc	lo.2 No.3 No.2 I wood she purlins, ex purlins (6-0	athing directly applie cept end verticals, a)-0 max.): 5-11. applied or 10-0-0 or	ed or Ind	BOT CHORD	1-2=-681/668, 2-3: 4-5=-272/274, 5-6: 7-8=-176/192, 8-9: 10-11=-176/192, 1 1-22=-177/194, 20 19-20=-178/195, 1 17-18=-178/194, 1 15-16=-178/194, 1 13-14=-178/194, 3-2 2-22=-289/184, 3-2	=-176/19 =-176/19 1-12=-1 I-22=-17 8-19=-1 6-17=-1 4-15=-1 2-13=-1 20=-292	1, 6-7=-176/ 2, 9-10=-176 93/203 7/195, 78/195, 78/194, 78/194, 78/194 78/194	192,	, cho 10) * Th on * 3-0 cho 11) All 1 cap 12) Pro bea	rd live long truss the botto 6-00 tall ord and a bearings bacity of vide me uring pla	bad no has be om cho by 2-0 any oth s are as 565 ps chanic te capa	een designed for ord in all areas wh)0-00 wide will fit her members. ssumed to be SP si. al connection (by able of withstandi	any other live loads. a live load of 20.0psf ere a rectangle between the bottom No.2 crushing others) of truss to ng 193 lb uplift at
WEBS	bracing. 1 Row at	midpt	11-12, 5-18, 6-17, 7 8-15, 9-14, 10-13	7-16,		4-19=-306/192, 5- 6-17=-321/75, 7-16 9-14=-311/79, 10-	6=-289/6	5, 8-15=-291	/67,	ĺb u	plift at j	oint 20	, 169 lb uplift at jo	int 19, 140 lb uplift at
REACTIONS	Max Horiz Max Uplift	13=18-10 15=18-10 17=18-10 22=18-10 1=391 (L0 1=-193 (L 13=-99 (L 13=-99 (L 13=-99 (L 13=-99 (L 13=-46 (L 19=-169 (22=-168 (13=247 (l) 15=330 (l) 17=361 (l)	9, 12=18-10-9, 1-9, 14=18-10-9, 1-9, 16=18-10-9, 1-9, 18=18-10-9, 1-9, 20=18-10-9, 1-9, 20=18-10-9, 1-9, 20=18-10-9, 1-9, 20=13, 12=-73 (LC 1 C 12), 14=-65 (LC 1 C 12), 16=-40 (LC 1 C 13), 18=-140 (LC 12 LC 16), 20=-166 (LC LC 16), 14=352 (LC LC 36), 16=329 (LC LC 36), 18=219 (LC LC 36), 18=219 (LC LC 36), 18=219 (LC LC 41), 20=330 (LC	5), 3), 2), 13), C 16), 36), 36), 40),	Vasd=91mp Ke=1.00; Ca exterior 201; Ca exterior 201; S 14-11-10, In left and righ exposed; C-1- reactions sh DOL=1.60 2) Truss desig only. For st see Standar or consult q 3) TCLL: ASC Plate DOL=	E 7-16; Vult=115mp h; TCDL=6.0psf; B at. II; Exp C; Enclos e and C-C Exterior 5-3-12 to 7-10-13, E tterior (1) 14-11-10 t exposed ; end vei C for members and ioown; Lumber DOL gned for wind loads uds exposed to wir d Industry Gable E ualified building de: E 7-16; Pr=25.0 psf 1.15); Pf=25.0 psf 1.s=1.0; Rough Cat =1 10	CDL=6. sed; MW (2E) 0-3 Exterior(: to 18-9- trical left I forces of =1.60 pl in the p nd (norm ind Deta signer a: f (roof LI (Lum DC	Dpsf; h=35ft; FRS (envelop -12 to 5-3-12, RR) 7-10-13 tr 0 zone; cantil and right & MWFRS for ate grip lane of the tru al to the face is a applicat s per ANSI/TF L=1.15 Plate	 joint 18, 51 lb uplift at joint 17, 40 lb uplift at lb uplift at joint 15, 65 lb uplift at joint 14 and at joint 13. 13) This truss is designed in accordance with the International Residential Code sections R50, R802.10.2 and referenced standard ANSI/T 14) Graphical purlin representation does not de or the orientation of the purlin along the top bottom chord. LOAD CASE(S) Standard 					e with the 2018 ions R502.11.1 and d ANSI/TPI 1. is not depict the size the top and/or
FORCES	(lb) - Max Tension	`	apression/Maximum		 Unbalanced design. Provide ade All plates ar Gable requi 	snow loads have l quate drainage to p e 1.5x4 MT20 unle res continuous bott spaced at 2-0-0 of	prevent ss other	water ponding wise indicated] .			A .	PE-2022	042259 5 6 L ENGL

September 13,2023



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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	LG02	Lay-In Gable	1	1	Job Reference (optional)	160735733

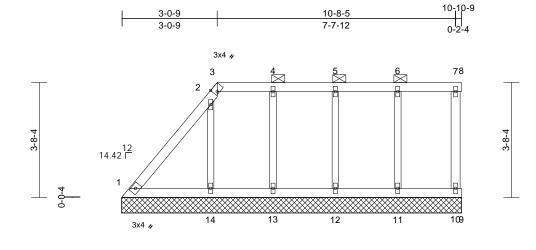
Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:42 ID:S4tzfMDUUh9LlrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

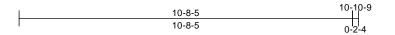
Page: 1

September 13,2023

DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 02/06/2024 4:55:58

ΤΙΟΝ IEW





Scale = 1:36.9

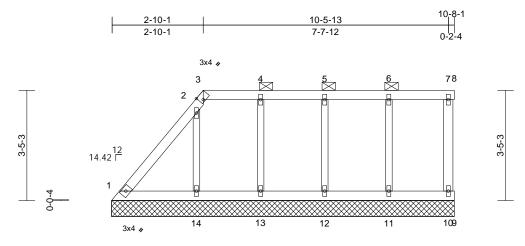
Plate Offsets (X, Y): [3:0-1-5,Edge]

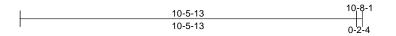
Flate Olisets (X, Y): [3:0-1-5,Edge]											-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 10.0 0.0* 10.0	Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr 1	2-0-0 1.15 1.15 YES RC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.19 0.08 0.10	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 48 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, exc 2-0-0 oc purlins (10- Rigid ceiling directly bracing. (size) 1=10-10-1 9=10-10-1 11=10-10 13=10-10 Max Horiz 1=148 (LC Max Uplift 8=-14 (LC (LC 13), 1 (LC 16), 1 (LC 16), 1 (LC 36), 1 (LC 36), 1	0-0 max.): 3-8. applied or 10-0-0 oc 12, 8=10-10-12, 12, 10=10-10-12, -12, 12=10-10-12, -12, 14=10-10-12 C 16) 36), 9=-49 (LC 7), 10= 1=-44 (LC 12), 12=-40 3=-54 (LC 12), 14=-16(C 37), 8=3 (LC 13), 9=-1 0=198 (LC 36), 13=336 4=355 (LC 37)	3) 5 5) 0 6) 14 7) 2 9)	Vasd=91mpł Ke=1.00; Ca exterior 2000 Exterior (2R) 10-10-12 zor vertical left a forces & MW DOL=1.60 pl Truss design only. For stu see Standarc or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. Provide adec All plates are Gable requir Gable studs) This truss ha	7-16; Vult=115mp ; TCDL=6.0psf; B t. II; Exp C; Enclose and C-C Exteriori 3-0-13 to 10-1-10, ne; cantilever left a nd right exposed; (FRS for reactions ate grip DOL=1.60 read for wind loads tds exposed to wind loads to vind id loads to vind dis exposed to wind alified building des 7-16; Pr=25.0 psf (15; Pf=25.0 psf (15, 10; Rough Cat =1.10; snow loads have to patheter to the spaced at 2-0-0 oc s been designed for ad nonconcurrent y	CDL=6. (2E) 0-3 Interior Interior Interior Interior Interior C-C for r shown; in the p in the p	Dpsf; h=35ft; FRS (envelop, -12 to 3-0-13, (1) 10-1-10 to exposed ; en- nembers and Lumber lane of the tru al to the face) ils as applicat s per ANSI/TF DL=1.15 Plate Exp.; Ce=0.9 nsidered for th water ponding wise indicated d bearing.	be) d ss , ble, ,15 ; is	Inte R80 15) Gra or th	rnationa 2.10.2 a phical p ne orien om cho	al Resid and ref urlin re tation o rd.) Sta	ferenced standar apresentation doe of the purlin alony ndard	ions R502.11.1 and d ANSI/TPI 1. is not depict the size g the top and/or
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	5-6=0/0, 6-7=0/0, 7-1 1-14=0/1, 13-14=0/0 10-11=0/0, 9-10=0/0 7-10=-152/33, 6-11= 4-13=-303/74, 2-14= ed roof live loads have	96/30, 3-4=0/0, 4-5=0/0 8=0/0 0, 12-13=0/0, 11-12=0/0 - -309/67, 5-12=-289/64, 280/176), [,] 12) * This truss h on the bottor 3-06-00 tall b chord and ar) All bearings a capacity of 5) Provide mec bearing plate 8, 49 lb uplift at joint 11, 40	has been designed in chord in all areas by 2-00-00 wide wi by other members. are assumed to be	I for a liv s where II fit betv s SP No. a (by oth anding 1 ift at join	e load of 20.0 a rectangle veen the botto 2 crushing ers) of truss to 4 lb uplift at jo t 10, 44 lb upl	psf om o pint ift			N	CHE OF I	L ENGL

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 toulsable 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.sbcscomponents.com)

Job	Truss	Truss Type	Qty Ply Roof - CB Lot 145		Roof - CB Lot 145	
P230395-01	LG03	Lay-In Gable	1	1	Job Reference (optional)	160735734

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:42 ID:S4tzfMDUUh9LIrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:35.9

Plate Offsets (X, Y): [3:0-1-5,Edge]

Loading TCLL (roof) Snow (Pf) TCDL BCLL	(psf) 25.0 25.0 10.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	8/TPI2014	CSI TC BC WB Matrix-S	0.15 0.06 0.09	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	occo		5/1112011								Weight: 46 lb	FT = 20%
	6-0-0 oc purlins, e 2-0-0 oc purlins (1 Rigid ceiling direc bracing. (size) 1=10-8- 10=10-4 13=10-4 Max Horiz 1=137 (Max Uplift 8=-19 (1 (LC 13) (LC 13) (LC 16) Max Grav 1=167 ((LC 16) (LC 36) (LC 36)	0-0-0 max.): 3-8. ly applied or 10-0-0 oc 4, 8=10-8-4, 9=10-8-4, 3-4, 11=10-8-4, 12=10-3 3-4, 14=10-8-4 LC 16) LC 36), 9=-49 (LC 7), 1 , 11=-44 (LC 12), 12=-4 , 13=-51 (LC 12), 14=-1 LC 37), 8=4 (LC 13), 9: , 10=203 (LC 36), 11=3 , 14=327 (LC 37)	3) 8-4, 4) 0=-7 10 5) 145 5) -14 6) 147 8) 141 9)	Vasd=91mph Ke=1.00; Cat exterior zone Exterior(2R) 10-8-4 zone; vertical left a forces & MW DOL=1.60 pl Truss design only. For stu see Standarc or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design. Provide adec All plates are Gable requirt Gable studs	7-16; Vult=115mp ; TCDL=6.0psf; B t. II; Exp C; Enclose and C-C Exterior 2-10-5 to 9-11-2, I cantilever left and nd right exposed; (FRS for reactions ate grip DOL=1.60 ned for wind loads ids exposed to wind a Industry Gable E alified building de: 7-16; Pr=25.0 psf 15); Pf=25.0 psf 15); Pf=25.0 psf 15); Pf=25.0 psf 15); Ore 25.0 psf 15	CDL=6.0 sed; MW (2E) 0-3 Interior (I right ex- C-C for n shown;) in the p nd (norm nd Deta signer as ((roof LL (Lum DC C; Fully been cor brevent n so so ther on chor c.	Opsf; h=35ft; FRS (envelop -12 to 2-10-5, 1) 9-11-2 to -19 posed ; end nembers and Lumber lane of the tru al to the face ils as applical s per ANSI/Tf :: Lum DOL=: DL=1.15 Plate Exp.; Ce=0.5 nsidered for th water ponding wise indicated d bearing.	iss), ble, Pl 1. 1.15); nis J.	Inte R80 15) Gra or tl	rnationa)2.10.2 a phical p ne orien com cho	al Resid and ref purlin re- tation of rd.) Sta	dential Code sec ferenced standar presentation do of the purlin alon ndard	es not depict the size g the top and/or
FORCES	Tension	mpression/Maximum	11	chord live loa	ad nonconcurrent v has been designed	with any	other live loa				4	TATE OF	MISSO
TOP CHORD	5-6=0/0, 6-7=0/0,		0/0,	on the botton	n chord in all area by 2-00-00 wide wi	s where	a rectangle				A		
BOT CHORD	1-14=0/1, 13-14=0 10-11=0/0, 9-10=0	0/0, 12-13=0/0, 11-12=0 0/0	,	chord and an	ny other members. are assumed to be						RA A	FC	× + + +
WEBS 7-10=-157/34, 6-11=-308/67, 5-12=-288/64, 4-13=-305/72, 2-14=-257/163 NOTES 1) Unbalanced roof live loads have been considered for this design.				capacity of 5 Provide mech bearing plate 8, 49 lb uplift at joint 11, 40		n (by oth anding 1 ift at join	ers) of truss t 9 lb uplift at j t 10, 44 lb up	oint lift				PE-2022	LENGIN

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 toulsable 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.sbcscomponents.com)

RELEASE ICREDING TRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT: SERVICES LEE'S'SUMWIT: MISSOURI 02/06/2024 4:55:58

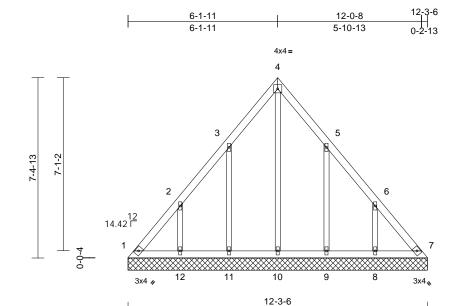
September 13,2023

Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	LG04	Lay-In Gable	1	1	Job Reference (optional)	160735735

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:42 ID:S4tzfMDUUh9LIrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:47.3

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.10 0.05 0.15	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 61 lb	GRIP 244/190 FT = 20%
	2x4 SP No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins. Rigid ceiling directly bracing. (size) 1=12-3-6, 9=12-3-6, 12=12-3-6 Max Horiz 1=207 (LC Max Uplift 1=-80 (LC 8=-178 (L 11=-167 (L 8=254 (LC	C 13) C 14), 7=-54 (LC 15), C 17), 9=-166 (LC 17 (LC 16), 12=-178 (LC C 16), 7=177 (LC 17), C 23), 9=328 (LC 23), LC 28), 11=328 (LC 23)	6, 3)), 4) 16) 2), ⁵)	Vasd=91mpł Ke=1.00; Ca exterior zone Interior (1) 5- 11-1-14, Intel left and right exposed; C-C reactions shû DOL=1.60 Truss design only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct= Unbalanced design.	7-16; Vult=115m ; TCDL=6.0psf; I t. II; Exp C; Enclo and C-C Exterio 3-12 to 6-1-14, E rior (1) 11-1-14 to exposed ; end ve for members an own; Lumber DOI ned for wind load: ds exposed to wid 1 Industry Gable I alified building de (7-16; Pr=25.0 psf is=1.0; Rough Ca =1.10 snow loads have e 1.5x4 MT20 unle	BCDL=6. Sect; MW r(2E) 0-3 sixterior(2I) p 12-0-1 z prical left d forces a L=1.60 pl s in the p ind (norm End Deta sesigner a sf (roof LL (Lum DC t C; Fully been cor	Opsf; h=35ft; (FRS (envelop, -12 to 5-3-12, R) 6-1-14 to zone; cantilev, and right & MWFRS for ate grip lane of the tru ial to the face) ills as applicat s per ANSI/TF L: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9	oe) er ble, PI 1. 1.15 	LOAD	CASE(S)) Sta	ndard	
FORCES	(lb) - Maximum Com Tension		7) 8)	Gable require	es continuous bot spaced at 2-0-0 c	ttom choi							
TOP CHORD		154/106, 3-4=-167/13 149/71, 6-7=-249/173	0, 9)	This truss ha	s been designed ad nonconcurrent	for a 10.		de					m
BOT CHORD	1-12=-135/197, 11-1 10-11=-136/197, 9-1 8-9=-136/197, 7-8=-	10=-136/197,	10)	* This truss h on the bottor	as been designe n chord in all area by 2-00-00 wide w	d for a liv as where	e load of 20.0 a rectangle)psf			A	TATEOF	MISSOL
WEBS	4-10=-120/81, 3-11=	,	05	chord and ar	y other members	S.		2011			A		
NOTES	2-12=-229/195, 5-9=	=-290/192, 6-8=-229/1	95 11)	All bearings a capacity of 5	are assumed to b	e SP No.	2 crushing				-A.	FO	X
	ed roof live loads have n.	been considered for	12)	Provide mec bearing plate	hanical connection capable of withs at joint 7, 167 lb	tanding 8	30 lb uplift at jo	oint				athanie	BER FOR

- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 1, 54 lb uplift at joint 7, 167 lb uplift at joint 11, 178 lb uplift at joint 12, 166 lb uplift at joint 9 and 178 lb uplift at joint 8.
- 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.

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PE-2022042259

September 13,2023

HRSSIONAL ET

Job	Truss	Truss Type Qty Ply Roof - CB Lot 145		Roof - CB Lot 145		
P230395-01	V01	Valley	1	1	Job Reference (optional)	160735736

1-10-14

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:43 ID:S4tzfMDUUh9LlrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1.5x4 ı

-3-8

l/defl

n/a 999

n/a 999

n/a n/a

L/d

PLATES

Weight: 6 lb

MT20

GRIP

244/190

FT = 20%

Page: 1

3x4 🖌 1.5x4 u 1-10-14 2-0-0 CSI DEFL Spacing in (loc) Plate Grip DOL 1.15 TC 0.05 Vert(LL) n/a BC Lumber DOL 1 15 0.02 Vert(TL) n/a Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 3 Code IRC2018/TPI2014 Matrix-P 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 8) * 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. Structural wood sheathing directly applied or All bearings are assumed to be SP No.2 crushing 9) 1-11-4 oc purlins, except end verticals. capacity of 565 psi. Rigid ceiling directly applied or 10-0-0 oc

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1 and 20 lb uplift at joint 3.

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

1=1-10-14, 3=1-10-14 Max Horiz 1=38 (LC 13) Max Uplift 1=-7 (LC 16), 3=-20 (LC 16) Max Grav 1=77 (LC 22), 3=77 (LC 22) (Ib) - Maximum Compression/Maximum

FORCES Tension TOP CHORD 1-2=-56/42, 2-3=-64/67 BOT CHORD 1-3=-19/20 NOTES

Scale = 1:18.2 Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD

BOT CHORD

TOP CHORD

BOT CHORD

REACTIONS (size)

BRACING

TCDL

BCLL

BCDL

WFBS

Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; 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

(psf)

25.0

25.0

10.0

0.0

10.0

2x4 SP No.2

2x4 SP No.2

bracing.

2x3 SPF No.2

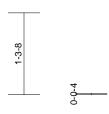
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 3) Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00: Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.

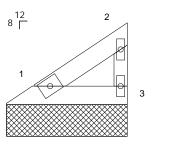


September 13,2023

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V02	Valley	1	1	Job Reference (optional)	160735737

3-10-14

3-10-14

Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

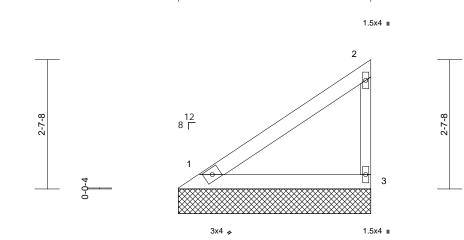
Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:43 ID:S4tzfMDUUh9LlrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

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TRUCTION 'IEW

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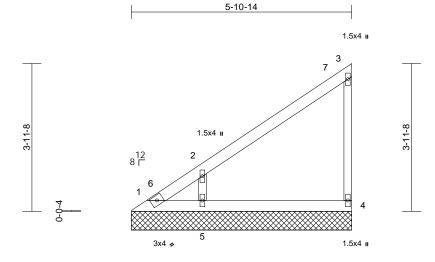
Scale = 1:23.4		Ι									
Loading (psf) TCLL (roof) 25.0 Snow (Pf) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCodeIRC2) 2018/TPI2014	BC	0.38 0.13 0.00	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 14 lb	GRIP 244/190 FT = 20%
BOT CHORD 3-11-4 oc purlins, e Rigid ceiling directly bracing.	applied or 10-0-0 oc 4, 3=3-10-14 13) 2 16), 3=-50 (LC 16) C 22), 3=216 (LC 22) ppression/Maximum 82/156 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelope) (E) zone; cantilever left left and right orces & MWFRS for 1.60 plate grip In the plane of the truss (normal to the face), d Details as applicable, gner as per ANSI/TPI 1. roof LL: Lum DOL=1.15 um DOL=1.15 Plate C; Fully Exp.; Ce=0.9; seen considered for this	 chord live loa 8) * This truss h on the bottor 3-06-00 tall b chord and ar 9) All bearings a capacity of 5 10) Provide mec bearing plate 1 and 50 lb u 11) This truss is International 	hanical connection (b capable of withstand plift at joint 3. designed in accordar Residential Code se nd referenced standa	h any r a live where a it betw P No.2 P No.2 Dy othe ding 1 nce wi ctions	other live load e load of 20.0 a rectangle een the botto 2 crushing ers) of truss to 6 lb uplift at jo th the 2018 R502.11.1 at	psf om o pint			H	S NATHA FO	X BER 042259

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V03	Valley	1	1	Job Reference (optional)	160735738

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:43 ID:wGRLsiE6F?HCN?u3nYPMZ5yx7?u-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



1.5x4 🛚

5-10-14

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-P	0.38 0.12 0.08	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: 22 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 5-11-4 oc purlins, e Rigid ceiling directly bracing. (size) 1=5-10-1- Max Horiz 1=5-10-1- Max Horiz 1=5-10-1- Max Horiz 1=5-10-1- Max Horiz 1=5-10-1- Max Horiz 1=5-10-1- Max Grav 1=88 (LC 5=-157 (L Max Grav 1=88 (LC 5=551 (LC (lb) - Maximum Com Tension 1-2=-330/215, 2-3=-	xcept end verticals. applied or 10-0-0 od 4, 4=5-10-14, 5=5-1(C 13) C 14), 4=-40 (LC 13), C 16) 16), 4=216 (LC 22), C 22) apression/Maximum 153/118, 3-4=-185/1	c)-14 9) , 10 , 11	 design. Gable requir Gable studs This truss hat chord live lo * This truss lo on the bottoo 3-06-00 tall 1 chord and at All bearings capacity of 5 Provide meet bearing platt 40 lb uplif This truss is International 	hanical connecti e capable of with t at joint 4 and 19 designed in according Residential Coordinates nd referenced st	ottom chor oc. d for a 10. t with any ed for a liv eas where will fit betv rs. be SP No. ion (by oth standing 6 57 lb uplift ordance w de sections	d bearing. D psf bottom other live load e load of 20.1 a rectangle veen the bott 2 crushing ers) of truss : 57 Ib uplift at j at joint 5. ith the 2018 s R502.11.1 a	ads. Opsf rom to joint					
Vasd=91n Ke=1.00; exterior zc Interior (1 right expo for member Lumber D 2) Truss det only. For see Stand	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2) 5-5-12 to 5-10-0 zone used; end vertical left a ers and forces & MWF OL=1.60 plate grip DC signed for wind loads in studs exposed to wind lard industry Gable En	DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0.5-12 to 5.5-12, e; cantilever left and nd right exposed;C- RS for reactions sho JL=1.60 n the plane of the tru (normal to the face) d Details as applicat	C own; oss o, obe,									STATE OF J	

or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); ISI-0; Rough Cat C; Fully Exp.; Ce=0.9; 3) Cs=1.00; Ct=1.10



September 13,2023

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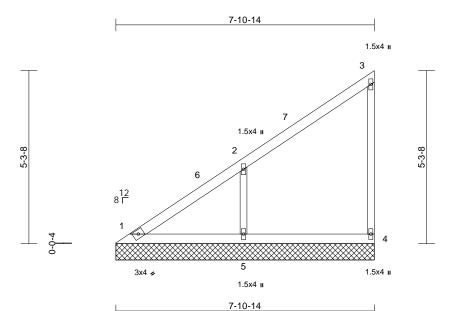


Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V04	Valley	1	1	Job Reference (optional)	160735739

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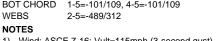
Page: 1

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Scale = 1:35.2

Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-P	0.50 0.14 0.10	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: 31 lb	GRIP 244/190 FT = 20%
FORCES	6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=7-10-14 Max Horiz 1=209 (LC Max Uplift 1=-13 (LC 5=-179 (L Max Grav 1=147 (LC 5=581 (LC (lb) - Maximum Com Tension	Applied or 10-0-0 oc 4, 4=7-10-14, 5=7-10 C 13) C 12), 4=-47 (LC 13), C 16) C 26), 4=213 (LC 22) C 22) ppression/Maximum	-14 9) 10 ^{1,} 11	design. Gable require Gable studs This truss ha chord live loa * This truss h on the bottor 3-06-00 tall b chord and ar All bearings a capacity of 5) Provide mec bearing plate 1, 47 lb uplift) This truss is International	hanical connection capable of withst at joint 4 and 179 designed in accord Residential Code nd referenced star	om chor c. or a 10. with any for a liv s where Il fit betw s SP No. a (by oth anding 1 Ib uplift dance w sections	d bearing. D psf bottom other live loa e load of 20.0 a rectangle veen the botto 2 crushing ers) of truss t 3 lb uplift at j at joint 5. ith the 2018 s R502.11.1 a	ids. Opsf om to oint					
TOP CHORD BOT CHORD	1-2=-361/242, 2-3=- 1-5=-101/109, 4-5=-	·167/138, 3-4=-183/1 ·101/109	49										



- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-5-12 to 5-5-12, Interior (1) 5-5-12 to 7-10-0 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
- 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=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10

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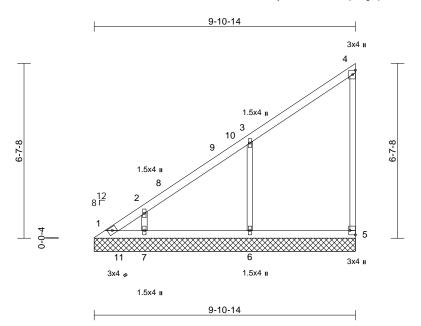
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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V05	Valley	1	1	Job Reference (optional)	160735740

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Page: 1



Scale = 1:43.7

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

	(x, r): [0:Edg0;0 2 0]												
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.52 0.17 0.17	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 5	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 40 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. (size) 1=9-10-14 7=9-10-14 Max Horiz 1=265 (LC Max Uplift 1=-80 (LC 6=-176 (L Max Grav 1=139 (LC	cept end verticals. applied or 10-0-0 oc 4, 5=9-10-14, 6=9-10 4 C 13) C 13) C 16), 7=-124 (LC 1	ed or 5)-14,	 Plate DOL= DOL=1.15); Cs=1.00; Ct Unbalanced design. Gable requir Gable studs This truss ha chord live lo * This truss on the botto 3-06-00 tall chord and a All bearings capacity of 5 Provide med 	snow loads have res continuous b spaced at 4-0-0 as been designe ad nonconcurrer has been design m chord in all are by 2-00-00 wide ny other member are assumed to	sf (Lum DC cat C; Fully e been col oct. d for a 10. ht with any ed for a 11: eas where will fit betv. rs, with BC be SP No ion (by oth	DL=1.15 Plate Exp.; Ce=0.9 Insidered for the d bearing. D psf bottom other live load of 20.0 a rectangle veen the botto DL = 10.0psf 2 crushing ers) of truss t	e 9; ids. Dpsf om f.					
FORCES TOP CHORD BOT CHORD WEBS	4-5=-186/137	366/252, 3-4=-173/1 125/137, 5-6=-125/1	37	1, 56 lb uplif uplift at joint 11) This truss is Internationa	t at joint 5, 176 ll 7. designed in acc I Residential Coc nd referenced st	b uplift at j ordance w de sections	oint 6 and 12 ith the 2018 s R502.11.1 a	4 lb				A STORE	
Vasd=91r Ke=1.00; exterior z: Interior (1 right expo- for memb Lumber D 2) Truss de only. For see Stand	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2) 5-5-12 to 9-10-0 zone osed ; end vertical left a ers and forces & MWF DOL=1.60 plate grip DC Signed for wind loads in studs exposed to wind dard Industry Gable En t qualified building desi	DL=6.0psf; h=35ft; d; MWFRS (envelop E) 0-5-12 to 5-5-12, e; cantilever left and and right exposed;C- RS for reactions sho DL=1.60 n the plane of the tru (normal to the face) d Details as applicat	C wn; ss , ble,									OF FOR	BER 1042259

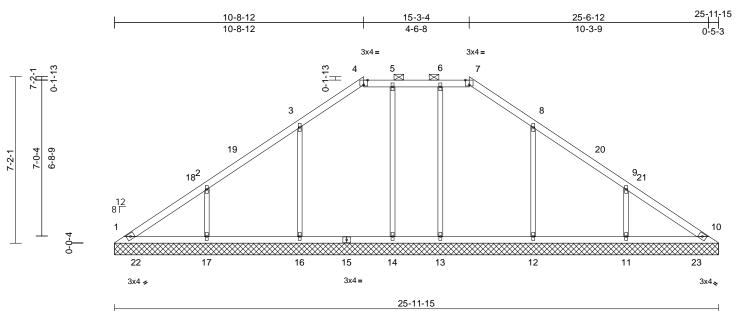
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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.sbcscomponents.com)

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V06	Valley	1	1	Job Reference (optional)	160735741

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Scale = 1:49.6

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

1 1010 0110010 (, , , , , [= 0,=ago],	[1:0 2 0;2090]											
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.37 0.16 0.31		in n/a n/a 0.01	(loc) - - 10	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 104 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 1=25-11- 11=25-11 13=25-11 16=25-11 Max Horiz 1=-189 (LC Max Uplift 1=-9 (LC 12=-126 (Ho max.): 4-7. applied or 10-0-0 oc 15, 10=25-11-15, -15, 12=25-11-15, -15, 14=25-11-15, -15, 17=25-11-15 C 12) 12), 11=-171 (LC 17) LC 17), 13=-43 (LC 1	2) d or 3) , 2), 4)	this design. Wind: ASCE Vasd=91mpt Ke=1.00; Ca exterior zone Interior (1) 5- 15-3-10, Ext 22-4-7 to 25- exposed ; en members an Lumber DOL Truss design only. For stu see Standard or consult qu TCLL: ASCE	roof live loads hav 7-16; Vult=115m, n; TCDL=6.0psf; E t. II; Exp C; Enclo and C-C Exterior 5-12 to 10-9-2, E: arior(2R) 15-3-10 6-15 zone; cantile d vertical left and d forces & MWFR =1.60 plate grip D aed for wind loads ds exposed to wii J Industry Gable E alified building de 7-16; Pr=25.0 ps 15); Pf=25.0 ps	bh (3-sec 3CDL=6. sed; MW r(2E) 0-5 xterior(2E) to 22-4-7 ever left a right exp S for rea OOL=1.6 s in the p nd (norm End Deta signer a f (roof LI	cond gust) Opsf; h=35ft; (FRS (envelop -12 to 5-5-12, E) 10-9-2 to 7, Interior (1) and right posed;C-C for actions shown; 0 lane of the tru al to the face) ills as applicat s per ANS/TF .: Lum DOL=1	; ; ; ss ; ble, PI 1. .15	bea 1, 1 upli join 14) This Inte R80 15) Gra or t	ring plat 70 lb up ft at join t 12 and s truss is rnationa 02.10.2 a phical p he orien com cho	te capa blift at j t 14, 1 I 43 lb s desig al Resid and rel ourlin re tation rd.	al connection (by able of withstand oint 17, 130 lb up 71 lb uplift at join uplift at joint 13. ned in accordand dential Code sec ferenced standar apresentation doo of the purlin alon	y others) of truss to ing 9 lb uplift at joint blift at joint 16, 56 lb at 11, 126 lb uplift at ce with the 2018 tions R502.11.1 and d ANSI/TPI 1. es not depict the size
	17=-170 (Max Grav 1=305 (LC 11=638 (L 13=351 (L 13=351 (L 16=616 (L	C 40), 10=305 (LC 40 _C 50), 12=611 (LC 5 _C 6), 14=351 (LC 5) _C 48), 17=637 (LC 4), 5) (0), 6)	 DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. Provide adequate drainage to prevent water ponding. All plates are 1.5x4 MT20 unless otherwise indicated. 							all		
FORCES	(lb) - Maximum Com	pression/Maximum	8)	Gable require	es continuous bot	tom choi						FE OF	MISS
TOP CHORD		339/85, 3-4=-316/117 162/113, 6-7=-164/1 339/51, 9-10=-300/89	13,)) This truss ha chord live loa	spaced at 4-0-0 o s been designed ad nonconcurrent	for a 10. with any	other live load				Å	STATE OF D	
BOT CHORD	1-17=-69/223, 16-17 14-16=-69/223, 13-1 12-13=-69/223, 11-1 10-11=-69/223 2-17=-526/212, 3-16	7=-69/223, 4=-69/223, 2=-69/223,	I	on the bottor 3-06-00 tall b chord and ar 2) All bearings	has been designed in chord in all area by 2-00-00 wide w by other members are assumed to be	is where ill fit betv , with BC	a rectangle ween the botto CDL = 10.0psf.	om			K	He was	BER FROM
NOTES	5-14=-278/91, 9-11= 8-12=-471/177, 6-13	-526/213,		capacity of 5	65 psi.						Ø	PE-2022	158
												VI III	- 4

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September 13,2023

Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
P230395-01	V07	Valley	1	1	Job Reference (optional)	160735742

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:44

Page: 1 ID:OT?j42Ek0JP3_9SGKFwb5Jyx7?t-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f 21-11-15 0-5-3 6-8-12 15-3-4 21-6-12 6-8-12 8-6-8 6-3-9 3x4 = 3x4 = 0-1-13 || 3 4 5 6 7 0-1-13 \bowtie \bowtie \bowtie \bowtie 16 17 2 8 12 8 Г 1 •

4-0-9 9 0-0-4 15 14 10 19 18 13 12 11 3x4 = 3x4 🍫 3x4 💊

21-11-15

Scale = 1:42.1

4-4-4

4-6-1

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

	x, 1): [0:0 2 0,20g0],	[1:0 2 0,2 dg0]										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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-S	0.33 0.15 0.17	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 9	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 81 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 1=21-11- ⁻ 10=21-11)-0 max.): 3-7. • applied or 10-0-0 oc 15, 9=21-11-15, -15, 11=21-11-15, -15, 13=21-11-15, -15 C 15)	d or 3) Truss des or consult 4) 4) 4) 4) 5) 4) 5) 5) 4) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 4) 5) 5) 5) 5) 5) 5) 5) 5) 5) 5	E 7-16; Vult=115n bh; TCDL=6.0psf; tat. II; Exp C; Ench e and C-C Exterio 5-5-12 to 6-9-2, E: terior (1) 14-0-11 t 21-6-15 zone; can end vertical left an- nd forces & MWF DL=1.60 plate grip gned for wind loac tuds exposed to w rd Industry Gable qualified building d E 7-16; Pr=25.0 ps $t_{1}=15$; Pf=25.0 ps	BCDL=6. osed; MW or(2E) 0-5 xterior(2R to 15-3-10 tillever left RS for rea DOL=1.6 Is in the p vind (norm End Deta lesigner a sisf (roof Ll f (Lum D0	Opsf; h=35ft; /FRS (envelop -12 to 5-5-12,) 6-9-2 to , Exterior(2E) : and right oosed;C-C for actions shown 0 lane of the tru all to the face iils as applical s per ANSI/TF oDL=1.15 Plate	uss), ble, PI 1. 1.15	Inte R80 15) Gra or ti	rnationa)2.10.2 a phical p ne orien com choi	and ref and ref urlin re tation o rd.	dential Code sec erenced standar presentation do of the purlin alon	es not depict the size
	11=-43 (L 13=-54 (L Max Grav 1=306 (L0 10=612 (L	.C 12), 12=-76 (LC 12 .C 13), 15=-147 (LC 1 C 40), 9=306 (LC 40) .C 50), 11=404 (LC 4 .C 45), 13=404 (LC 4	2), Cs=1.00; C 16) 5) Unbalance design. (5), 6) Provide ad (5), 7) All plates a	d snow loads have equate drainage to re 1.5x4 MT20 unl	e been co o prevent less other	nsidered for th water ponding wise indicated	nis g.					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	9) Gable stud	ires continuous bo s spaced at 4-0-0	oc.	Ū					CO OF	ALL ALL
TOP CHORD	1-2=-290/63, 2-3=-3 4-5=-155/79, 5-6=-1 7-8=-308/72, 8-9=-2	55/79, 6-7=-157/80,	chord live l 11) * This truss	has been designed bad nonconcurren has been designe	t with any ed for a liv	other live loa ve load of 20.0				Å	STATE OF D	
BOT CHORD	1-15=-32/171, 13-15 12-13=-32/171, 11-1 10-11=-32/171, 9-10	5=-32/171, 12=-32/171,	3-06-00 tal chord and	om chord in all are by 2-00-00 wide any other member	will fit betv s, with BC	ween the botto CDL = 10.0psf			•	h	FO	
WEBS NOTES 1) Unbalance this design	2-15=-485/191, 4-13 8-10=-485/188, 6-11 ed roof live loads have	8=-327/97, 1=-327/87, 5-12=-403	capacity of 13) Provide me bearing pla 1, 147 lb u	s are assumed to I 565 psi. chanical connective te capable of with- blift at joint 15, 54 t 10, 43 lb uplift at	on (by oth standing { lb uplift at	ers) of truss t 5 lb uplift at jo joint 13, 145	int Ib				PE-2022	1×1

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September 13,2023

Jo	b	Truss	Truss Type	Qty	Ply	Roof - CB Lot 145	
Pź	230395-01	V08	Valley	1	1	Job Reference (optional)	60735743

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:45 ID:tfZ5HNFMmcXwcJ1SuzRqeWyx7?s-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

17-11-15

17-6-12 2-3-9

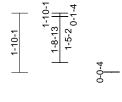
DEVELOPMENT SERVICES LEE'S'SUMMIT'SMISSOURI 02/06/2024 4:55:58

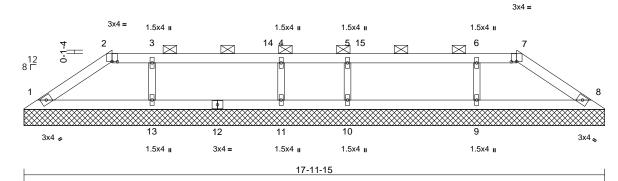
TION

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September 13,2023

2-8-12 15-3-4 2-8-12 12-6-8 3x4 = 1.5x4 🛚 1.5x4 II 1.5x4 u 1.5x4 u 3 2 14 5 15 6 4 0-1-4 \bowtie \bowtie \boxtimes \bowtie ſΓ



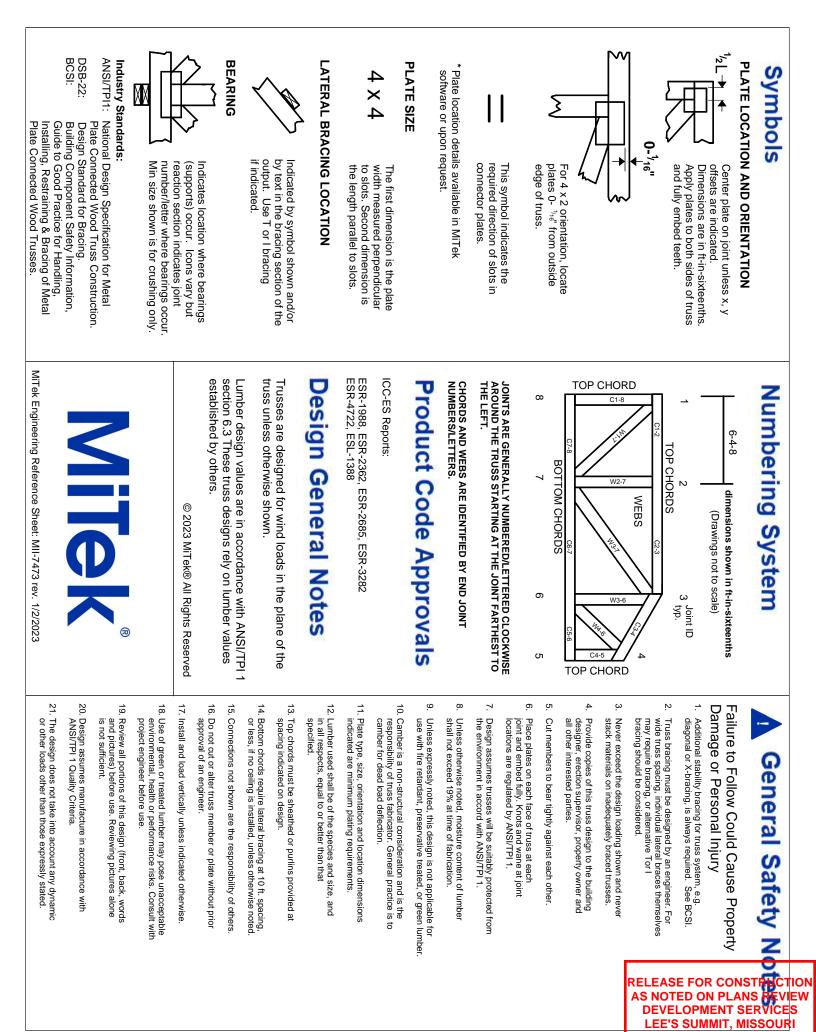


Scale = 1:35.7

Plate Offsets	(X. Y)	:	[2:0-2-0,0-0-2], [7:0-2-0,0-0-2]

	7, 1). [2.0 2 0,0 0 2],	[7.0 2 0,0 0 2]										
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 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 014 Matrix-S	0.33 0.13 0.08	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 57 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0 Rigid ceiling directly bracing. (size) 1=17-11- 11=17-11 Max Horiz 1=41 (LC Max Uplift 1=-36 (LC 9=-82 (LC 11=-70 (L Max Grav 1=284 (LC 9=547 (LC 11=433 (L	d or Canti right for re DOL 3) Trus only. see 5 0 cr 4) TCLI Plate 3) Cs=1 , 5) Unbs), 5) Unbs	 Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-5-12 to 2-9-2, Exterior(2R) 2-9-2 to 10-0-11, Interior (1) 10-0-11 to 15-3-10, Exterior(2E) 15-3-10 to 17-6-15 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15) Plate DOL=1.15); Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 						 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or 			
FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this design	(lb) - Maximum Com Tension 1-2=-293/51, 2-3=-1 4-5=-178/57, 5-6=-1 7-8=-293/47 1-13=-16/178, 11-13 10-11=-16/178, 9-10 3-13=-459/134, 4-11 6-9=-459/131, 5-10= ed roof live loads have	Ppression/Maximum 79/58, 3-4=-178/57, 78/57, 6-7=-179/58, 3=-16/178, 8-9=-16/1 =-376/103, 376/103	 6) Prov 7) All pl 8) Gabl 9) Gabl 10) This chorn 11) * Thi 78 78 71 72 73 74 74 74 75 75 76 76	ide adequate draina; iates are 1.5x4 MT2(e requires continuou e studs spaced at 4- truss has been desig d live load nonconcu s truss has been desig e bottom chord in al -00 tall by 2-00-00 w d and any other men earings are assumed city of 565 psi. ide mechanical conn ing plate capable of 'I b uplift at joint 8, 86 nt 11, 82 lb uplift at j	D unless othen is bottom chor -0-0 oc. gned for a 10.0 rrrent with any signed for a liv I areas where vide will fit betw nbers. d to be SP No. mection (by oth withstanding 3 6 lb uplift at joi	vise indicated d bearing.) psf bottom other live loac e load of 20.0 a rectangle veen the botto 2 crushing ers) of truss to 6 lb uplift at jo nt 13, 70 lb up	psf m o pint				S NATHA	BER 042259

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LEE'S SUMMIT, MISSOURI 4:55:58 02/06/2024