

RE: P230397-01 Roof - CB Lot 149

Site Information:

Customer: Clover & Hive Project Name: P230397-01 Lot/Block: 149 Model: Address: 3513 SE Corbin Dr Subdivision: Cobey Creek City: Lee's Summit State: MO MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

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

Design Code: IRC2018/TPI2014 Wind Code: ASCE 7-16 Roof Load: 45.0 psf Design Program: MiTek 20/20 8.6 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 32 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	160735712	A01	9/13/2023	21	160735732	LG01	9/13/2023
2	160735713	B01	9/13/2023	22	160735733	LG01	9/13/2023
3	160735714	B02	9/13/2023	22	160735734	LG02 LG03	9/13/2023
		-	9/13/2023		160735735		9/13/2023
4	160735715	B03		24		LG04	
5	160735716	B04	9/13/2023	25	160735736	V01	9/13/2023
6	160735717	B05	9/13/2023	26	160735737	V02	9/13/2023
7	160735718	B06	9/13/2023	27	160735738	V03	9/13/2023
8	160735719	B07	9/13/2023	28	160735739	V04	9/13/2023
9	160735720	B08	9/13/2023	29	160735740	V05	9/13/2023
10	160735721	B09	9/13/2023	30	160735741	V06	9/13/2023
11	160735722	B10	9/13/2023	31	160735742	V07	9/13/2023
12	160735723	C01	9/13/2023	32	160735743	V08	9/13/2023
13	160735724	C02	9/13/2023				
14	160735725	C03	9/13/2023				
15	160735726	CJ01	9/13/2023				
16	160735727	D01	9/13/2023				
17	160735728	D02	9/13/2023				
18	160735729	J01	9/13/2023				
19	160735730	J02	9/13/2023				
20	160735731	J03	9/13/2023				

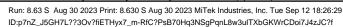
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc under my direct supervision based on the parameters provided by . Truss Design Engineer's Name: Nathan Fox

My license renewal date for the state of Missouri is December 31, 2024. Missouri COA: 001193

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

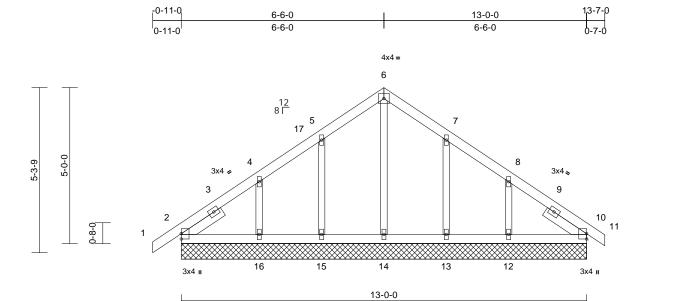


Job	Truss	Truss Type Qty		Ply	Roof - CB Lot 149	
P230397-01	A01	Common Supported Gable	1	1	Job Reference (optional)	160735712





Page: 1



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	Vert(CT)	n/a		n/a	999	-			
CDL	10.0	Rep Stress Incr	YES		WB	0.07	Horz(CT)	0.00	10	n/a	n/a				
BCLL	0.0*	Code		18/TPI2014	Matrix-S	0.07		0.00		1,70		1			
SCDL	10.0	0000	11020	10/11/2011								Weight: 62 lb	FT = 20%		
UMBER				2) Wind: ASCE	7-16 [.] Vult=115	5mph (3-sec	cond aust)		14) This	s truss is	s desia	ned in accordance	e with the 2018		
TOP CHORD	2x4 SP No.2		_		h; TCDL=6.0ps								tions R502.11.1 and		
BOT CHORD					t. II; Exp C; En			be)	R80	2.10.2	and ref	erenced standard	d ANSI/TPI 1.		
THERS	2x3 SPF No.2				and C-C Corn				LOAD						
SLIDER	Left 2x4 SP No.2 1	1-6-4 Right 2x4 SP 1	No 2	Exterior(2N)	4-1-0 to 6-6-0,	Corner(3R)	6-6-0 to 11-6	6-0,			, 0.0				
	1-6-4	. o .,	10.2	Exterior(2N)	11-6-0 to 13-7-	-0 zone; car	ntilever left an	d							
RACING				right expose	d ; end vertical	left and right	nt exposed;C-	С							
OP CHORD	Structural wood she	athing directly applie	d or		and forces & M			wn;							
	6-0-0 oc purlins.	atiling allocity applie	u ui	Lumber DOL	.=1.60 plate gri	p DOL=1.6)								
OT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	. :		ned for wind loa										
01 0110112	bracing.				ids exposed to										
EACTIONS	(size) 2=13-0-0	10=13-0-0, 12=13-0)-0		d Industry Gabl										
Litterione), 14=13-0-0, 15=13-	0 0		alified building										
	16=13-0-0		00,		7-16; Pr=25.0										
	Max Horiz 2=136 (LC				.15); Pf=25.0 p										
	Max Uplift 2=-30 (LC				Is=1.0; Rough	Cat C; Fully	Exp.; Ce=0.9);							
		LC 17), 13=-72 (LC	17)	Cs=1.00; Ct=											
		C 16), 16=-114 (LC			snow loads ha	ve been cor	isidered for th	nis							
	Max Grav 2=218 (LC	C 23), 10=187 (LC 24	4), ,	design.	is been designe	ad for graat	or of min roof	live							
		_C 24), 13=277 (LC 2			psf or 2.00 time										
	14=139 (L	_C 29), 15=280 (LC 2	23),		on-concurrent										
	16=306 (L				e 1.5x4 MT20 u			4							
ORCES	(lb) - Maximum Com	pression/Maximum			es continuous l			<i>.</i>							
	Tension			 Gable studs 			a bearing.					000	The		
TOP CHORD	1-2=0/31, 2-4=-161/8	84, 4-5=-119/115,		0) This truss ha) nsf hottom					THE OF I	MIG. D		
	5-6=-126/200, 6-7=-	127/201, 7-8=-122/1	09,		ad nonconcurre			ds				A SE	J Scim		
	8-10=-124/40, 10-11			1) * This truss h							6	A. T.	N.S/		
BOT CHORD	2-16=-36/103, 15-16				n chord in all a			,po.			A	NATHA	NIEL VEN		
	14-15=-36/103, 13-1				by 2-00-00 wide			om			2	FO	× V V		
	12-13=-36/103, 10-1				ny other member			-				il III			
NEBS	6-14=-127/30, 5-15=			2) All bearings			2 crushina				2/	T III	11~4.1		
	4-16=-251/210, 7-13=-243/141,				capacity of 565 psi.										
	8-12=-260/221			3) Provide mec		tion (by oth	ers) of truss to	0			81	NUM	BER C		
IOTES					e capable of wit						N	O PE-2022	042259		
1) Unbalanced roof live loads have been considered for				2, 7 lb uplift a	at joint 10, 73 lt	o uplift at joi	nt 15, 114 lb ı	uplift			N	T	12A		
this desigr	۱.			at joint 16, 7	2 lb uplift at joir	nt 13 and 11	4 lb uplift at j	oint			Y	PE-2022	JO'H		
				12.	-							WONA	LEFA		
												And A	-		

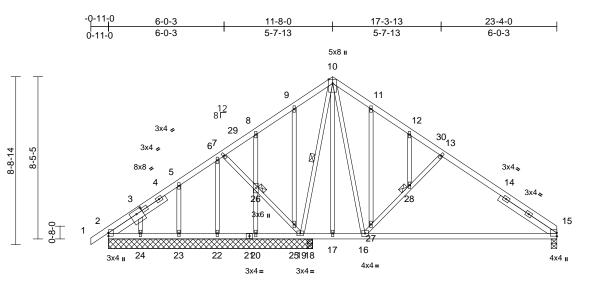


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September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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
Scale = 1:59.9	10-1-0	0-4-12 2-9-4	10-1-0	1

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	0.24	15-16	>646	240	MT20	197/144		
Snow (Pf)	25.0	Lumber DOL 1.	15	BC	0.86	Vert(CT) -0	0.49	15-16	>316	180				
TCDL	10.0	Rep Stress Incr Y	ES	WB	0.43	Horz(CT) (0.01	15	n/a	n/a				
BCLL	0.0*	Code IF	C2018/TPI2014	Matrix-S										
BCDL	10.0										Weight: 140 lb	FT = 20%		
LUMBER TOP CHORD BOT CHORD WEBS OTHERS SLIDER BRACING TOP CHORD	2x4 SP No.2 2x3 SPF No.2 2x3 SPF No.2 Left 2x4 SP No.2 3 3-6-6	3-6-6, Right 2x4 SP No.2 athing directly applied or		10-16=-124/809, 16 10-18=-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	,	on t 3-0 cho 11) All I cap 12) Pro bea join	the botto 6-00 tall rd and a bearings acity of s vide med ring plat t 15, 70	m cho by 2-0 ny oth are as 565 ps chanic e capa lb uplif	rd in all areas wh 0-00 wide will fit er members. ssumed to be SP i. al connection (by ible of withstandi t at joint 2, 57 lb	between the bottom No.2 crushing others) of truss to ng 133 lb uplift at uplift at joint 19, 97 lb				
	6-0-0 oc purlins.	• • • •	1) Unbalanced roof live loads have been considered for uplift at joint 20, 90 lb u) Ib uplift at joint :	23 and 86 lb uplift at		
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	this design. 2) Wind: ASCE 7-16; Vult=115mph (3-second gust)						joint 24. 13) This truss is designed in accordance with the 2018					
WEBS		10-19		Vasd=91mph: TCDL=6.0psf; BCDL=6.0psf; h=35ft; Inte							lential Code sections R502.11.1 and erenced standard ANSI/TPI 1.			
JOINTS	1 Brace at Jt(s): 26,		Ke=1.00; Ca	1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) R802.10.2 and referenced standard							d ANSI/TPI 1.			
	28			exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, LOAD CASE(S) Standard										
	19=10-7-{ 23=10-7-{ 23=10-7-{ Max Horiz 2=229 (LC Max Uplift 2=-70 (LC 19=-57 (L 23=-90 (L Max Grav 2=223 (LC 18=283 (L 20=349 (L	: 12), 15=-133 (LC 17), C 16), 20=-97 (LC 16), C 16), 24=-86 (LC 16), C 27), 15=-678 (LC 24), C 24), 19=-461 (LC 24), LC 23), 22=-135 (LC 1), LC 26), 24=-174 (LC 26)	 16-10-14, In left and righ exposed;C-t reactions sh DOL=1.60 3) Truss desig only. For st see Standar or consult qi 4) TCLL: ASCI Plate DOL= 	 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); Pf=25.0 psf (Lum							MISSOLUTE			
	Tension	•	DOL=1.15); Cs=1.00; Ct		C; Fully	Exp.; Ce=0.9;			7	N.	FO			
TOP CHORD	8-9=-162/199, 9-10= 10-11=-412/247, 11- 12-13=-508/169, 13- 2-24=-61/129, 23-24 22-23=-61/125, 20-2	170/155, 7-8=-164/160, 162/224, 12=-380/174, -15=-805/203 61/125, 12=-61/125, 9=-2/183, 17-18=-2/183	 Unbalanced design. This truss h load of 12.0 overhangs r All plates ar Gable studs This truss has 	snow loads have be as been designed fo psf or 2.00 times fla ion-concurrent with o e 1.5x4 MT20 unless spaced at 2-0-0 oc. as been designed fo ad nonconcurrent with	r great t roof le other li s other r a 10.1	er of min roof live bad of 25.0 psf o ve loads. wise indicated. 0 psf bottom	n				PE-2022	042259 E		

September 13,2023



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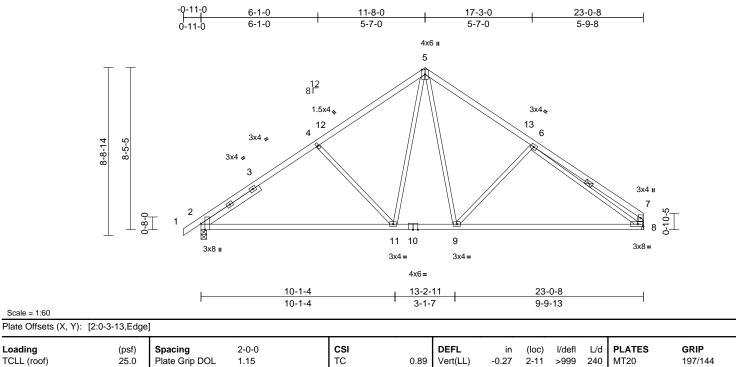
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 Qt		Ply	Roof - CB Lot 149	
P230397-01	B02	Common	6	1	Job Reference (optional)	160735714

Scale = 1:60

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:31 ID:XaRBDMetweulHqIMavUZFZyx7_4-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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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	0.89 0.88 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.56 0.04	(loc) 2-11 2-11 8	l/defl >999 >494 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 111 lb	GRIP 197/144 FT = 20%
	2-2-0 oc purlins, exc Rigid ceiling directly bracing. 1 Row at midpt	A-7-6 athing directly applied cept end verticals. applied or 10-0-0 oc 6-8 B= Mechanical C 13) C 16), 8=-142 (LC 17)	6 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 on the bottor 3-06-00 tall b chord and ar	7-16; Pr=25.0 psf I.15); Pf=25.0 psf (I Is=1.0; Rough Cat (I =1.10) snow loads have be as been designed for psf or 2.00 times fla on-concurrent with as been designed for ad nonconcurrent we 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 con or great at roof I other li or a 10. vith any for a liv where fit betv	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min roof bad of 25.0 p ve loads. D psf bottom other live loa e load of 20.0 a rectangle ween the bott	e 9; his f live sf on ads. 0psf					
FORCES	(lb) - Maximum Com Tension	pression/Maximum	9	capacity of 5				0					
TOP CHORD	,	/251, 4-5=-1188/257, -500/111, 7-8=-403/1		0) Provide mec	hanical connection	(by oth	ers) of truss						
BOT CHORD													
WEBS	4-11=-448/275, 5-11 6-9=-403/268, 6-8=-9	hal Residential Code sections R502.11.1 and											
NOTES LOAD CASE(S) Standard 1) Unbalanced roof live loads have been considered for this design. Standard Standard				Standard						A	TATE OF M	No. N	

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 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



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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 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)

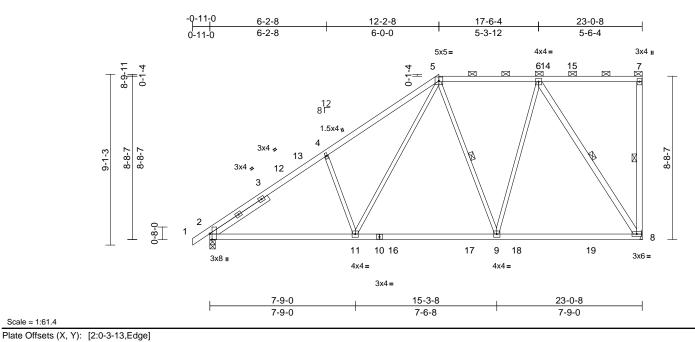


Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	B03	Half Hip	1	1	Job Reference (optional)	160735715

Scale = 1:61.4

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Page: 1



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		тс	0.98	Vert(LL)	-0.15	8 -9	>999	240	MT20	197/144
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.77	Vert(CT)	-0.25	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES		WB	0.58	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-S								
BCDL	10.0											Weight: 131 lb	FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x3 SPF No.2 *Except* 7-8,8-6:2x4 SP No.2 SLIDER Left 2x4 SP No.2 3-8-5 BRACING 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 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= 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 (b) - Maximum Compression/Maximum			4) s c 6) 7) 8)	Plate DOL=1 DOL=1.15); Cs=1.00; Ct Unbalanced design. This truss ha load of 12.0 overhangs n Provide ader This truss ha chord live loo * This truss h on the bottoo 3-06-00 tall h	5 57-16; Pr=25.0 psf 1.15); Pf=25.0 psf 1s=1.0; Rough Cat =1.10 snow loads have I as been designed f psf or 2.00 times fi on-concurrent with quate drainage to p as been designed f ad nonconcurrent has been designed n chord in all area by 2-00-00 wide win by other members.	(Lum DC c; Fully been cor for great lat roof lin other lin prevent for a 10. with any d for a liv s where ill fit betw	DL=1.15 Plate Exp.; Ce=0. Insidered for t er of min roo pad of 25.0 p ve loads. water pondin 0 psf bottom other live loa e load of 20. a rectangle veen the bott	e 9; his f live osf on g. ads. 0psf tom					
500050	•	<i>,,</i>	39) 9)	Bearings are	assumed to be: J								
FURCES	(Ib) - Maximum Corr Tension	pression/Maximum	10	capacity of 5	65 psi. er(s) for truss to tr		ections						
TOP CHORD	1-2=0/31, 2-4=-1962 5-6=-797/216, 6-7=-	172/179, 7-8=-277/8	7, 1 [,]) Provide med	hanical connection capable of withst	n (by oth	ers) of truss						
BOT CHORD		11=-320/888,			67 lb uplift at joint								
WEBS	8-9=-234/685 4-11=-682/299, 5-11=-211/1021, 5-9=-451/195, 6-9=-74/786, 6-8=-1245/241			International	designed in accord Residential Code nd referenced star	sections	8 R502.11.1 a	and				OF N	AISC
NOTES	,		13	13) Graphical purlin representation does not depict the size									
	 Unbalanced roof live loads have been considered for 			 12) This is desired in the control of the purlin along the top and/or better choiced. 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or better choiced. 									
this desigr	this design.				d.						B	FOI EO	
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) L Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)			OAD CASE(S)	Standard						V	H		

exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 12-2-8, Exterior(2R) 12-2-8 to 19-3-6, Interior (1) 19-3-6 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

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PE-202204

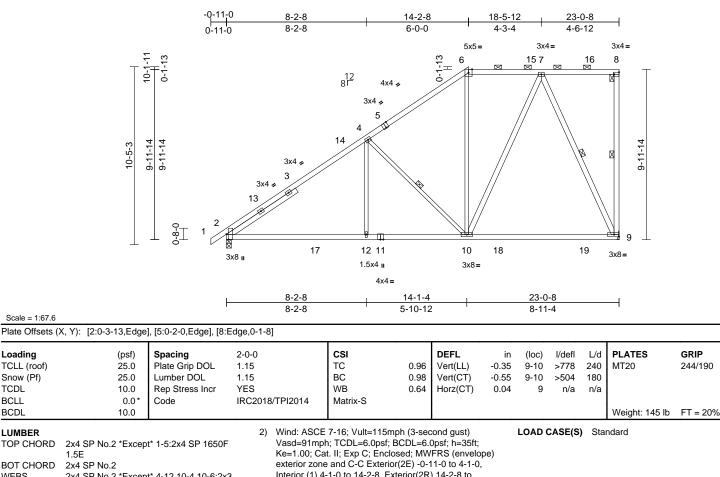
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September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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



WEBS	2x4 SP No.2 *Except* 4-12,10-4,10-6:2x3 SPF No.2						
SLIDER	Left 2x4 SP No.2 4-10-10						
BRACING							
TOP CHORD Structural wood sheathing directly app except end verticals, and 2-0-0 oc put (6-0-0 max.): 6-8.							
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.						
WEBS	1 Row at midpt 8-9, 4-10, 7-9						
REACTIONS	(size) 2=0-3-8, 9= Mechanical						
	Max Horiz 2=417 (LC 13)						
	Max Uplift 2=-171 (LC 16), 9=-229 (LC 13)						

Tension

9-10=-239/477

Max Grav 2=1491 (LC 42), 9=1316 (LC 39)

1-2=0/31, 2-4=-1911/186, 4-6=-1133/241,

6-7=-760/227, 7-8=-195/204, 8-9=-229/81

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

2-12=-448/1552, 10-12=-448/1552,

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

1) Unbalanced roof live loads have been considered for

(lb) - Maximum Compression/Maximum

Scale = 1:67.6

Loading

TCLL (roof)

Snow (Pf)

TCDL

BCLL

BCDL

LUMBER

FORCES

TOP CHORD

BOT CHORD

this design.

WEBS

NOTES

TOP CHORD

Interior (1) 4-1-0 to 14-2-8. Exterior(2R) 14-2-8 to 21-3-6, Interior (1) 21-3-6 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

- 3) 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. * This truss has been designed for a live load of 20.0psf 8) 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

GRIP

244/190

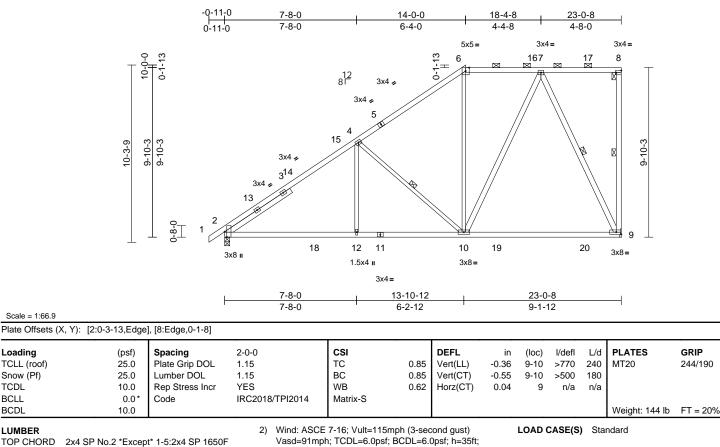


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	B05	Half Hip	1	1	Job Reference (optional)	160735717

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



	1.5E
BOT CHORD	2x4 SP No.2 *Except* 11-9:2x4 SP 1650F
	1.5E
WEBS	2x4 SP No.2 *Except* 4-12,10-4,10-6:2x3
	SPF No.2
SLIDER	Left 2x4 SP No.2 4-6-11
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	3-6-12 oc purlins, except end verticals, and
	2-0-0 oc purlins (6-0-0 max.): 6-8.
	Pigid colling directly applied or 9 7 5 oc

BOT CHORD	Rigid ceilin	ng directly	applied or 8-7-5 oc
	bracing.		
WEBS	1 Row at n	nidpt	8-9, 4-10, 7-9
REACTIONS	(size)	2=0-3-8,	9= Mechanical
	Max Horiz	2=411 (L	C 13)
	Max Uplift	2=-171 (L	C 16), 9=-229 (LC 13)
	Max Grav	2=1487 (LC 42), 9=1323 (LC 39)
FORCES	(lb) - Maxir	num Con	npression/Maximum
	Tension		
TOP CHORD	1-2=0/31, 2	2-4=-1947	7/192, 4-6=-1156/235,
	6-7=-777/2	26, 7-8=-	193/201, 8-9=-234/80
BOT CHORD	2-12=-456/	/1584, 10	-12=-456/1584,
	9-10=-240/	/491	
WEBS	4-12=0/295	5, 4-10=-9	987/288, 6-10=-18/219,
	7-10=-149/	/918, 7-9=	=-1074/284

NOTES

Scale = 1:66.9

Loading

TCLL (roof)

Snow (Pf)

TCDL

BCLL

BCDL

LUMBER

TOP CHORD

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

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 14-0-0. Exterior(2R) 14-0-0 to 21-0-14, Interior (1) 21-0-14 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

- 3) 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.
- 5) 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. 6)
- This truss has been designed for a 10.0 psf bottom 7)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 8) 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 MISSO E NATHANIEL FOX BER PE-2022042259 SIONAL E September 13,2023

GRIP

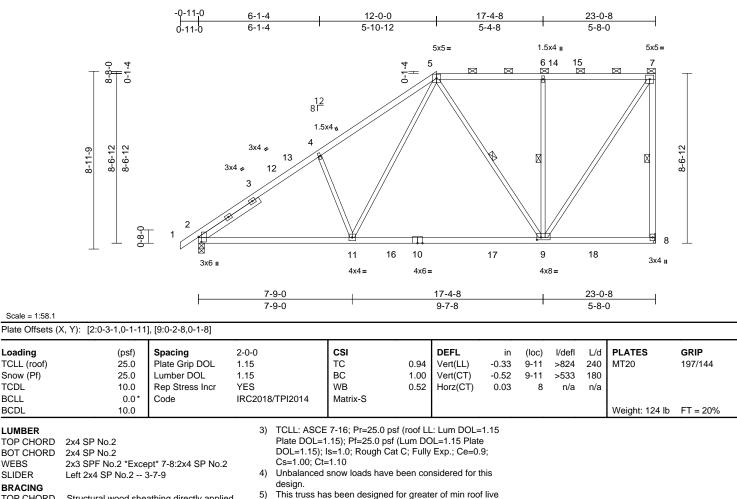


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	B06	Half Hip	1	1	Job Reference (optional)	160735718

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Page: 1



- BRACING TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-12 max.): 5-7 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. WEBS 1 Row at midpt 7-8, 5-9, 6-9
- REACTIONS 2=0-3-8. 8= Mechanical (size) Max Horiz 2=356 (LC 13) Max Uplift 2=-166 (LC 16), 8=-229 (LC 13) Max Grav 2=1507 (LC 38), 8=1412 (LC 39) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/31, 2-4=-1962/200, 4-5=-1711/302, 5-6=-747/221, 6-7=-745/220, 7-8=-1352/237 BOT CHORD 2-11=-467/1581, 9-11=-325/873, 8-9=-157/175 WEBS 4-11=-660/293, 5-11=-180/1070, 5-9=-528/192, 6-9=-814/213, 7-9=-211/1324
- NOTES

Scale = 1:58.1

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD BOT CHORD

TCDL

BCLL

BCDL

WEBS

SLIDER

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

- 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. 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.
- 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 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 149	
P230397-01	B07	Half Hip	1	1	Job Reference (optional)	160735719

10-0-0

10-3-0

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

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16-5-0

23-0-8 6-7-8

Page: 1

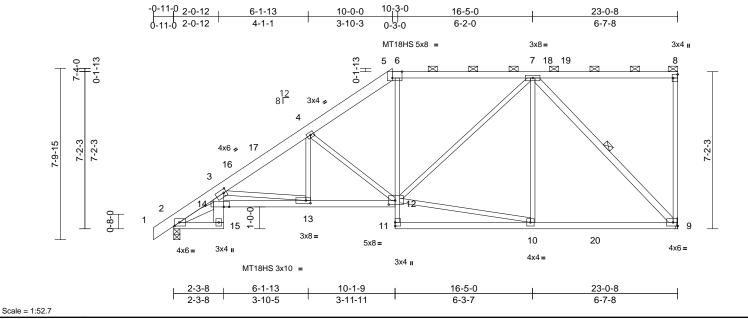


Plate Offsets (X, Y): [2:0-2-11,0-2-0], [3:0-1-8,0-2-0], [5:0-5-5,Edge], [8:Edge,0-2-8], [12:0-3-8,0-2-4], [13:0-2-8,0-1-8], [14:0-3-0,Edge]

6-1-13

							1						
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		тс	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	IRC201	8/TPI2014	Matrix-S								
BCDL	10.0											Weight: 134 lb	FT = 20%
LUMBER			2)	Wind: ASCE	7-16; Vult=115m	oh (3-se	cond gust)		14) Gra	phical p	urlin re	presentation doe	s not depict the size
TOP CHORD		pt* 5-8:2x4 SP 1650	F		h; TCDL=6.0psf; E				or t		tation	of the purlin along	
	1.5E	** 4 5 2.4 4/2" 5 4/2			it. II; Exp C; Enclos and C-C Exterior			be)				a da ad	
BOT CHORD	2x4 SP No.2 *Excep 2.0E Microllam® LVI				-1-0 to 10-0-0, Ext				LUAD	CASE(S)) Sla	ndard	
	1.5E. 6-11:2x3 SPF	,	01		erior (1) 17-0-14 to			ver					
WEBS	2x3 SPF No.2 *Exce		No.2		exposed ; end ve								
BRACING		, ,		exposed;C-C	for members and	forces	& MWFRS for						
TOP CHORD	Structural wood she	athing directly applie	d or		own; Lumber DOL	=1.60 pl	ate grip						
	4-1-3 oc purlins, ex		nd	DOL=1.60									
	2-0-0 oc purlins (5-4		3)		7-16; Pr=25.0 ps								
BOT CHORD	0 0 ,	applied or 6-0-0 oc			I.15); Pf=25.0 psf Is=1.0; Rough Cat								
	bracing.			Cs=1.00; Ct=		C, Fully	Exp., Ce=0.8	,					
WEBS		7-9	4)	,	snow loads have	been co	nsidered for th	nis					
REACTIONS		9= Mechanical	-,	design.									
	Max Horiz 2=301 (LC	,	5)	This truss ha	as been designed	for great	er of min roof	live					
	Max Uplift 2=-157 (L Max Grav 2=1461 (L	<i>,,</i>	,		psf or 2.00 times f			sf on					
500050	•		,		on-concurrent with								
FORCES	(lb) - Maximum Com Tension	pression/waximum	6)		quate drainage to								
TOP CHORD		2/296 3-42158/243	/) }		e MT20 plates unle			d.					
	4-5=-1454/215, 5-6=	,	8, 8)		as been designed t ad nonconcurrent			de					
	6-7=-1225/211, 7-8=		93 9)		has been designed							and	TUP
BOT CHORD			0)		m chord in all area			por				TATE OF M	AISO
	3-14=-89/411, 13-14	=-878/3355,			oy 2-00-00 wide w			m			1	950	N.O.
	12-13=-528/1830, 11			chord and ar	y other members	, with BC	DL = 10.0psf.				R	NATHA	MILLI X A
	6-12=-15/468, 10-11	,	049 10) Bearings are	assumed to be: J	oint 2 S	P No.2 crushir	ng			R	S NATHA	
WEBS	10-12=-224/1000, 7-			capacity of 5							V A	FU.	A A A A A A A A A A A A A A A A A A A
	7-10=-17/273, 7-9=-		· · · ·		er(s) for truss to tr						8M		(KA*a
	3-13=-1546/354, 2-1 4-12=-990/232	4=-394/1092,	12		hanical connection						VI.	T	11 strake
NOTES	4-12=-990/202				e capable of withst		226 lb uplift at				MM	X MANU	ER (107)
NOTES	ad reaf live leads have	haan aanaidan difa.	40		57 lb uplift at joint designed in accor		ith the 2019				N2	O PE-2022	042259
this design	ed roof live loads have	been considered for	10		Residential Code			nd			N	The second second	124
uns design											Y	100	1 CN H

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

September 13,2023

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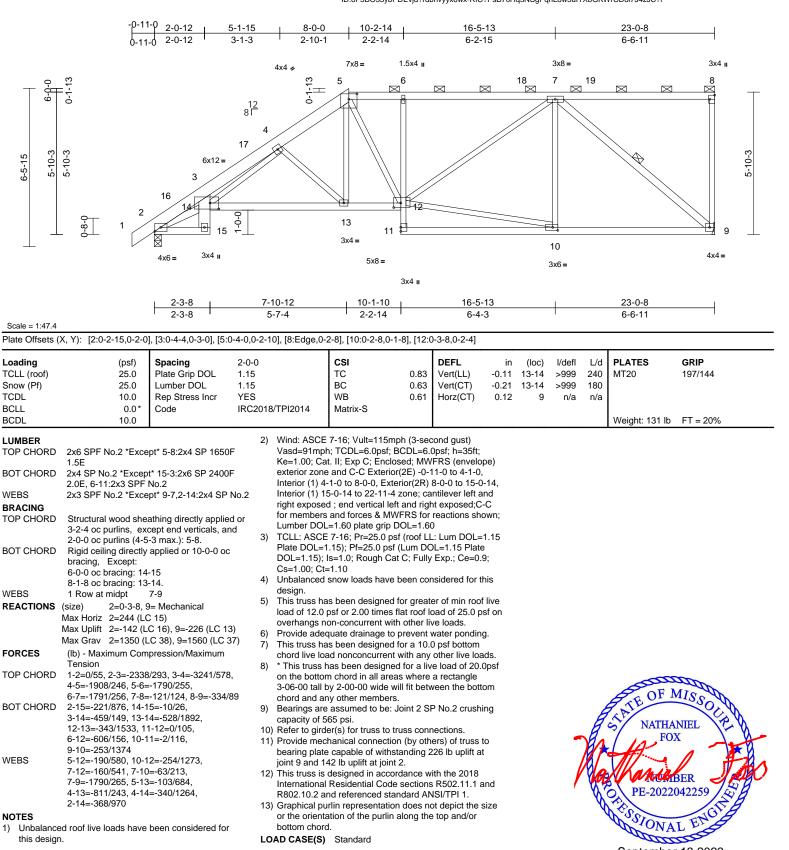
16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

E

ſ	Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
	P230397-01	B08	Half Hip	1	1	Job Reference (optional)	160735720

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:34 ID:8F5BO53ybPDEvjd?rdbhvyyx6wx-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



NOTES

 Unbalanced roof live loads have been considered for this design.

2-14=-368/970

4-13=-811/243, 4-14=-340/1264

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R802.10.2 and referenced standard ANSI/TPI 1.

bottom chord.

LOAD CASE(S) Standard

a trust 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)

13) Graphical purlin representation does not depict the size

or the orientation of the purlin along the top and/or



PE-2022042259

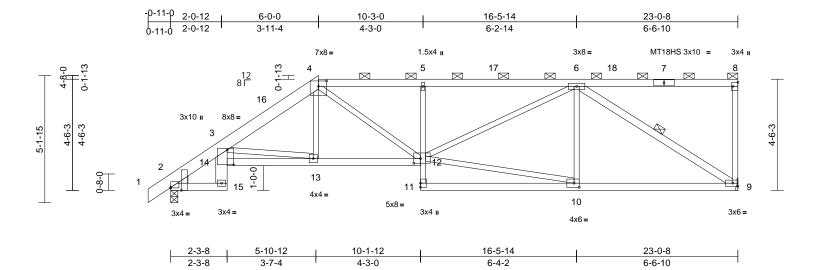
September 13,2023

E

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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



Scale =	1:46.8
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Plate Offsets (X, Y): [2:Edge,0-0-3],	[2:0-1-6,Edge], [3:0-	-3-4,0-7-4]	, [4:0-4-0,0-2-1	0], [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	1.5E, 7-8:2x4 SP No	2 ut* 15-3:1 1/2" x 5 1/2 L, 5-11:2x3 SPF No.:	:" 2	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 4 Interior (1) 13 right exposed	7-16; Vult=115r n; TCDL=6.0psf; t. II; Exp C; Encl e and C-C Exteri 1-0 to 6-0-0, Ex 3-0-14 to 22-11- d; end vertical le and forces & M	BCDL=6.0 losed; MW or(2E) -0-1 tterior(2R) 0 4 zone; ca eft and righ	0psf; h=35ft; FRS (envelop 1-0 to 4-1-0, 5-0-0 to 13-0- ntilever left a t exposed;C-	be) -14, nd ∙C	LOAD	ASE(S)	Sta	ndard	
BRACING TOP CHORD	Structural wood she 4-2-13 oc purlins, e 2-0-0 oc purlins (3-6	xcept end verticals, a -1 max.): 4-8.	and 3)	Lumber DOL TCLL: ASCE Plate DOL=1	.=1.60 plate grip 7-16; Pr=25.0 p .15); Pf=25.0 ps ls=1.0; Rough C	DOL=1.60 osf (roof LL sf (Lum DC	: Lum DOL= L=1.15 Plate	1.15					
BOT CHORD	Rigid ceiling directly bracing, Except: 6-11-13 oc bracing: 9-9-2 oc bracing: 12	13-14	4)	Cs=1.00; Ct= Unbalanced design.	=1.10 snow loads have	e been cor	sidered for th	nis					
	1 Row at midpt	6-9 9= Mechanical C 13) C 16), 9=-226 (LC 13		load of 12.0 overhangs n Provide adeo All plates are	is been designed psf or 2.00 times on-concurrent w quate drainage to MT20 plates ur is been designed	s flat roof lo ith other liv o prevent v nless other	ad of 25.0 p ve loads. vater ponding wise indicate	sf on g.					
FORCES	(lb) - Maximum Com Tension 1-2=0/44, 2-3=-1642 4-5=-2707/389, 5-6= 8-9=-339/87	pression/Maximum 2/168, 3-4=-2303/312	9) 2,	chord live loa * This truss h on the bottor 3-06-00 tall b	ad nonconcurren has been design n chord in all are by 2-00-00 wide	nt with any ed for a liv eas where will fit betw	other live loa e load of 20.0 a rectangle	Opsf				STE OF M	AISSO
BOT CHORD	2-15=-286/1109, 14- 13-14=-713/2745, 12		/140, 11	 Bearings are capacity of 5 Refer to gird 	ny other member assumed to be: 65 psi. er(s) for truss to hanical connecti	: Joint 2 SF truss conr	ections.	Ū		•	an an	STATE OF M STATE NATHA FOZ	NIEL
WEBS	4-12=-214/969, 10-1 6-12=-180/938, 6-10 6-9=-2196/314, 4-13 3-13=-1130/389)=-143/179,		bearing plate joint 9 and 12 This truss is International	e capable of with 24 lb uplift at joir designed in acco Residential Coc	istanding 2 nt 2. ordance wi de sections	26 lb uplift at th the 2018 R502.11.1 a					PE-20220	BER 12259
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for	14) Graphical pu	nd referenced st Irlin representation ation of the purlir 1.	on does no	t depict the s	size			Y	ESSIONA	L ENGLAS

September 13,2023

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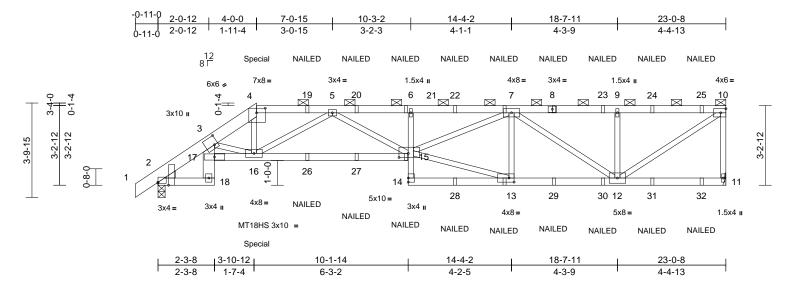
Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	B10	Half Hip Girder	1	2	Job Reference (optional)	160735722

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:36 ID:9LCugLucaIna39p3qvpefHyx6vt-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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September 13,2023

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Scale = 1:46.7

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	3/TPI2014	CSI TC BC WB Matrix-S	0.52 0.80 0.75	Vert(CT)	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%			
LUMBER TOP CHORD BOT CHORD WEBS WEDGE BRACING TOP CHORD	1.5E, 6-14:2x3 SPF 2x3 SPF No.2 Left: 2x4 SP No.2 Structural wood she 6-0-0 oc purlins, ex	rt* 18-3:1 1/2" x 5 1/2 L, 17-15:2x4 SP 1650 No.2 athing directly applied cept end verticals, an)F dor	(0.131"x3") n Top chords c staggered at row at 0-9-0 Bottom chord 0-9-0 oc, 2x6 at 0-9-0 oc. Web connec All loads are	be connected toge hails as follows: connected as follow 0-9-0 oc, 2x4 - 1 rc oc. is connected as fol is connected as fol is - 2 rows staggered ted as follows: 2x3 considered equally ad as front (F) or ba	s: 2x6 ow at 0 lows: 2 d at 0-9 - 1 row	- 2 rows 9-0 oc, 2x3 - x4 - 1 row at -0 oc, 2x3 - 1 at 0-9-0 oc. d to all plies,	row	 * 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 capacity of 565 psi. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 611 lb uplift at joint 11 and 528 lb uplift at joint 2. This truss is designed in accordance with the 2018 International Residential Code sections R502 11 1 and 							
	2-0-0 oc purlins (4-2 Rigid ceiling directly bracing. (size) 2=0-3-8, 7 Max Horiz 2=132 (LC Max Uplift 2=-528 (L Max Grav 2=2212 (I		CASE(S) see provided to o unless other Wind: ASCE Vasd=91mpt Ke=1.00; Ca	 ASE(S) section. Ply to ply connections have been rovided to distribute only loads noted as (F) or (B), roless otherwise indicated. ASCE 7-16; Vult=115mph (3-second gust) asd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; e=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Internati								tions R502.11.1 and d ANSI/TPI 1. es not depict the size g the top and/or				
FORCES	(lb) - Maximum Com Tension	npression/Maximum 7/724, 3-4=-5061/131 5=-7143/1807, 9=-2928/757,	8,	Exterior(2R) 22-11-4 zone vertical left a forces & MW DOL=1.60 pl	4-0-0 to 11-0-14, Ir e; cantilever left and nd right exposed;C FRS for reactions s ate grip DOL=1.60	I	per NDS guidelines.									
BOT CHORD	2-18=-607/2057, 17- 3-17=-189/73, 16-17 15-16=-1576/5993, 6-15=-488/145, 13-1 12-13=-1168/4468,	-18=-16/105, ?=-1464/4974, 14-15=0/99, 4=-50/225, 11-12=-51/77	5)	 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 DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 5) Unbalanced snow loads have been considered for this design. 								STATE OF I				
NOTES	5-15=-367/1347, 13 7-15=-741/2845, 7-1 7-12=-1865/473, 9-1 10-12=-898/3502, 3 4-16=-587/2244, 5-1	6) 7) 8) 9)	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. All plates are MT20 plates unless otherwise indicated.								AR DO					

Continued on page 2 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not 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 149	
P230397-01	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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Page: 2

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)

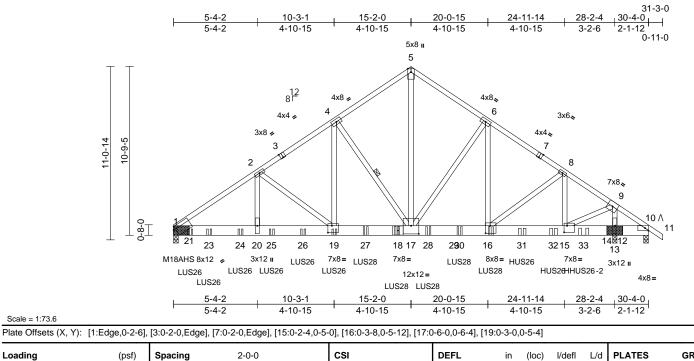
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 **ANSITPTI 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 149	
P230397-01	C01	Common Girder	1	2	Job Reference (optional)	160735723

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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	3/TPI2014	CSI TC BC WB Matrix-S	0.87 0.53 0.86	Vert(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%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP 1650F 1.5E 2400F 2.0E, 7-11:2x 2x8 SP 2400F 2.0E 2x4 SP No.2 *Excep 1650F 1.5E Structural wood she 2-11-4 oc purlins. Rigid ceiling directly	,	Top chords c oc. Bottom chord staggered at Web connect All loads are except if note CASE(S) sed	 31"x3") nails as follows: chords connected as follows: 2x4 - 1 row at 0-6-0 tom chords connected as follows: 2x8 - 4 rows ggered at 0-7-0 oc. b connected as follows: 2x4 - 1 row at 0-9-0 oc. b connected as follows: 2x4 - 1 row at 0-9-0 oc. chords as re considered equally applied to all plies, ept if noted as front (F) or back (B) face in the LOAD SE(S) section. Ply to ply connections have been load of 12.0 psf or 2.00 times flat roof load of 25.0 ps overhangs non-concurrent with other live loads. 10) All plates are MT20 plates unless otherwise indicated to a flow indicated to a								er live loads. therwise indicated. 10.0 psf bottom any other live loads. a live load of 20.0psf iere a rectangle between the bottom h BCDL = 10.0psf.	
	bracing. 1 Row at midpt (size) 1=(0-3-8 - 0-4-2), 10 bearing bi Max Horiz 1=-295 (L Max Uplift 1=-1513 (13=-2931 Max Grav 1=9962 (L 13=11360	4)	unless other 2x8 SP 2400 attached to e nails spaced Bearing is as 2x8 SP 2400 attached to e nails spaced Bearing is as	 provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 2x8 SP 2400F 2.0E bearing block 12" long at jt. 1 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP 2400F 2.0E. 13) All bearings are assumed to be SP 2400F 2.0E crushin capacity of 805 psi. 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1513 lb uplift at joint 1 and 2931 lb uplift at joint 13. 15) "/\" indicates Released bearing: allow for upward movement at joint(s) 10. 16) 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. 							others) of truss to ng 1513 lb uplift at ow for upward ce with the 2018 ions R502.11.1 and		
FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-14040/2142, 2-4=-11372/1837, 4-5=-8800/1523, 5-6=-8758/1524, 6-8=-10886/1716, 8-9=-10418/1373, 9-10=-1501/0, 10-11=0/47 BOT CHORD 1-20=-1833/11326, 19-20=-1833/11326, 17-19=-1448/9389, 16-17=-1250/8997, 15-16=-1032/8613, 13-15=0/1138,				Vasd=91mph Ke=1.00; Car exterior zone Interior (1) 5- 20-0-15, Inte left and right exposed;C-C	Nind: ASCE 7-16; Vult=115mph (3-second gust) /asd=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) 0-1-12 to 5-4-2, nterior (1) 5-4-2 to 15-2-0, Exterior(2R) 15-2-0 to 20-0-15, Interior (1) 20-0-15 to 31-3-0 zone; cantilever eft and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for						NIEL		
WEBS NOTES	10-13=0/1138 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	,	DOL=1.60 TCLL: ASCE Plate DOL=1 DOL=1.15); I Cs=1.00; Ct=	own; Lumber DOL= 7-16; Pr=25.0 psf .15); Pf=25.0 psf (s=1.0; Rough Cat 1.10 snow loads have b	(roof LI Lum DC C; Fully	L: Lum DOL= DL=1.15 Plate Exp.; Ce=0.9	9;		•		PE-2022	LENGING	

September 13,2023



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Scale = 1:73.6

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	C01	Common Girder	1	2	Job Reference (optional)	160735723

- 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)

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	C02	Common	3	1	Job Reference (optional)	160735724

TCDL

BCLL

BCDL

WEBS

WEBS

WEBS

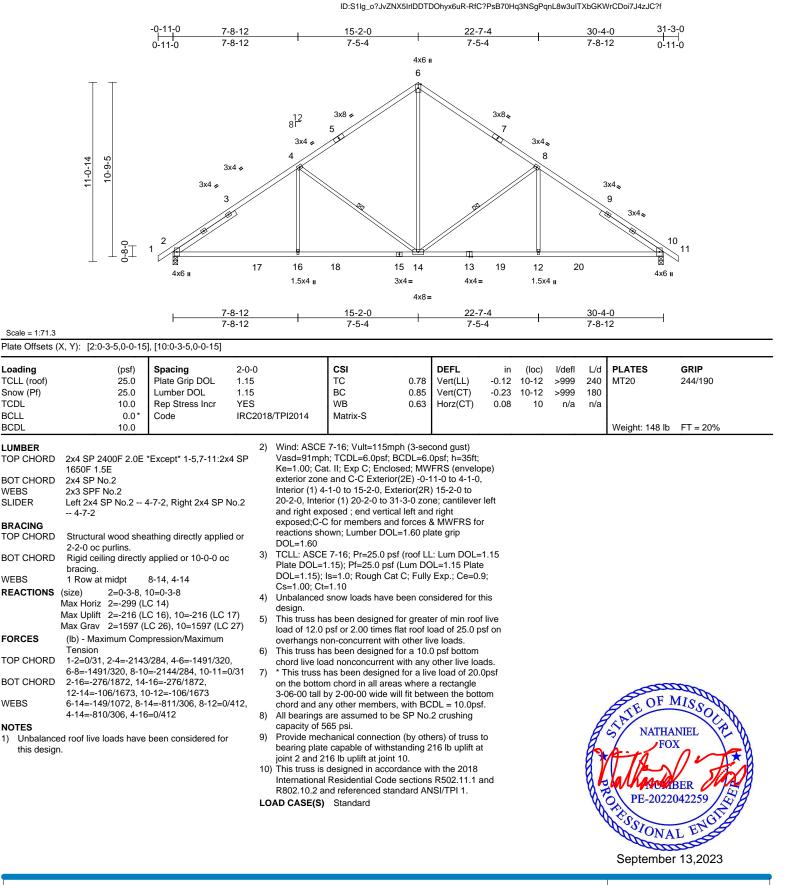
1)

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:38

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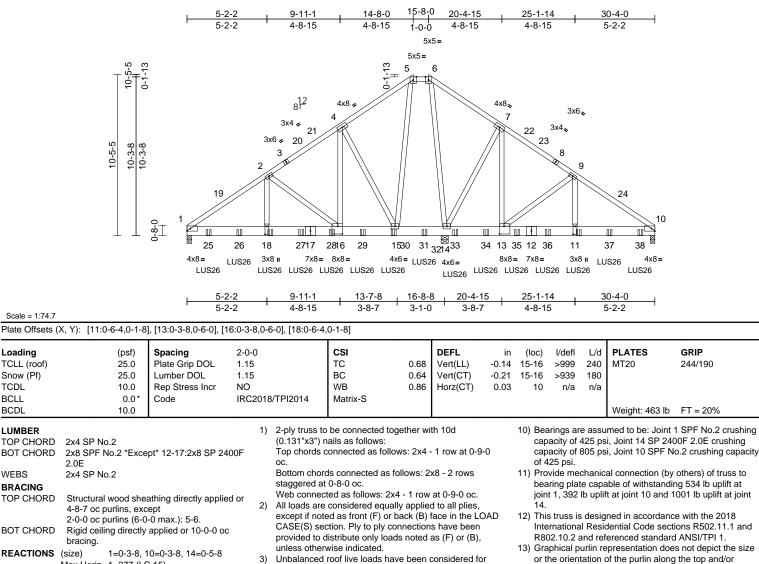


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	C03	Hip Girder	1	2	Job Reference (optional)	160735725

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Page: 1



Wind: ASCE 7-16; Vult=115mph (3-second gust)

Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft;

exterior zone and C-C Exterior(2E) 0-1-12 to 5-2-2,

Interior (1) 5-2-2 to 14-8-0, Exterior(2E) 14-8-0 to

15-8-0, Exterior(2R) 15-8-0 to 22-8-14, Interior (1)

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

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

22-8-14 to 30-2-4 zone; cantilever left and right

Lumber DOL=1.60 plate grip DOL=1.60

Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope)

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

- 14) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 16-0-0 oc max. starting at 1-4-12 from the left end to 29-4-12 to connect truss(es) to front face of bottom chord.
- 15) Use Simpson Strong-Tie LUS26 (4-10d Girder, 3-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 9-4-12 from the left end to 21-4-12 to connect truss(es) to front face of bottom chord.



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Continued on page 2

Scale = 1:74.7

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TOP CHORD

BOT CHORD

TCDL

BCLL

BCDL

WEBS

BRACING

TOP CHORD

BOT CHORD

REACTIONS

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

Max Horiz

Max Uplift

Max Grav

Tension

10-11=-342/3306

1=277 (LC 15)

14=-1001 (LC 17)

14=7508 (LC 40)

(lb) - Maximum Compression/Maximum

4-5=-1227/286, 5-6=-732/262, 6-7=-809/273,

1-2=-5368/697, 2-4=-3356/502,

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

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,

1=-534 (LC 16), 10=-392 (LC 17),

1=4032 (LC 40), 10=3403 (LC 40),

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

Cs=1.00; Ct=1.10

design

this design

5)

6)

7)

8)

9)

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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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Page: 2

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional)	160735726

3-6-8

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:39 ID:idVeFtx6L7iry3uPkRzBSYyx7_z-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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E

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September 13,2023

<u>5-2-14</u> -1-3-9 3-0-2 1-3-9 3-0-2 2-2-12 5.66 F 2-0-4 NAILED NAILED 1.5x4 II 56 3x6 II Δ 3x4 -3-3-5 3 9 ليحكر 0-0-87 -8-0 10 4x6 u 3x4 u 3x4 u 1.5x4 u NAILED NAILED



Scale = 1:43.4

Plate Offsets (X, Y): [2:0-1-8,0-0-7], [10:Edge,0-2-8] 2-0-0 CSI DEFL in l/defl L/d PLATES GRIP Loading (psf) Spacing (loc) TCLL (roof) 25.0 Plate Grip DOL 1.15 TC 0.59 Vert(LL) -0.09 >717 240 MT20 244/190 9 Snow (Pf) 25.0 Lumber DOL 1.15 BC 0.68 Vert(CT) -0.13 10 >500 180 TCDL 10.0 Rep Stress Incr WB Horz(CT) NO 0.03 0.06 7 n/a n/a BCLL 0.0 IRC2018/TPI2014 Matrix-S Code BCDL 10.0 Weight: 25 lb FT = 20% LUMBER 3) Unbalanced snow loads have been considered for this 2x4 SP No.2 TOP CHORD desian. This truss has been designed for greater of min roof live 2x4 SP No.2 *Except* 10-4:2x3 SPF No.2 4) BOT CHORD WEBS 2x3 SPF No.2 load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on SLIDER Left 2x4 SP No.2 -- 1-7-9 overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom 5) BRACING chord live load nonconcurrent with any other live loads. TOP CHORD Structural wood sheathing directly applied or 6) * This truss has been designed for a live load of 20.0psf 5-6-6 oc purlins. on the bottom chord in all areas where a rectangle BOT CHORD Rigid ceiling directly applied or 10-0-0 oc 3-06-00 tall by 2-00-00 wide will fit between the bottom bracing. chord and any other members. REACTIONS (size) 2=0-4-9, 6= Mechanical, 7= Bearings are assumed to be: , Joint 2 SP No.2 crushing 7) Mechanical capacity of 565 psi. Max Horiz 2=138 (LC 16) Refer to girder(s) for truss to truss connections. Max Uplift 2=-57 (LC 16), 6=-7 (LC 16), 7=-79 Provide mechanical connection (by others) of truss to 9) (LC 16) bearing plate capable of withstanding 7 lb uplift at joint Max Grav 2=477 (LC 23), 6=80 (LC 23), 6, 57 lb uplift at joint 2 and 79 lb uplift at joint 7. 7=263 (LC 23) 10) This truss is designed in accordance with the 2018 FORCES (Ib) - Maximum Compression/Maximum International Residential Code sections R502.11.1 and Tension R802.10.2 and referenced standard ANSI/TPI 1. TOP CHORD 1-2=0/30, 2-4=-391/44, 4-5=-78/80, 11) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails 5-6=-13/33per NDS auidelines. BOT CHORD 2-10=-138/219, 9-10=-5/68, 4-9=0/77, 12) In the LOAD CASE(S) section, loads applied to the face 8-9=0/0, 7-8=0/0 of the truss are noted as front (F) or back (B). OF MISS WEBS 5-8=-158/132 LOAD CASE(S) Standard E NOTES Dead + Snow (balanced): Lumber Increase=1.15, Plate 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Increase=1.15 NATHANIE Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Uniform Loads (lb/ft) FOX Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) Vert: 1-6=-70, 2-10=-20, 7-9=-20 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 **MBER** reactions shown; Lumber DOL=1.60 plate grip PE-2022042259 DOL=1.60 TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 2) SSIONAL

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

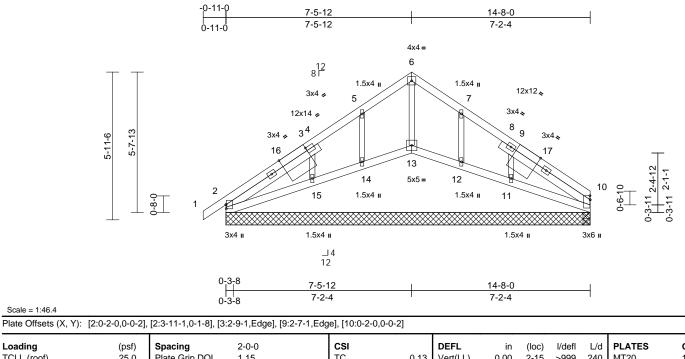
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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	D01	Scissor Supported Gable	2	1	Job Reference (optional)	160735727

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	Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.13 0.08 0.05	Vert(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 10.0 TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BOT CHORD 2x3 SPF No.2 OTHERS 2x3 SPF No.2 SLIDER Left 2x4 SP No.2 4-5-14, Right 2x4 SP No.2 4-4-7 BRACING TOP CHORD TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. REACTIONS (size) 2=14-8-0, 10=14-8-0, 11=14-8-0, 15=14-8-0, 15=14-8-0, 15=14-8-0, 15=14-8-0, 15=14-8-0, 15=14-8-0, 15=-14-8-0, 15=-14-8-0, 15=-14-8-0, 15=-14-8-0, 15=-131 (LC 17), 11=-133 (LC 17), 12=-70 (LC 17), 14=-76 (LC 16), 15=-131 (LC 16) Max Grav 2=223 (LC 23), 10=128 (LC 24),				 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 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 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); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10 5) Unbalanced snow loads have been considered for this 								10. ce with the 2018 ions R502.11.1 and	
	Max Grav 2=223 (LC 11=357 (L	C 23), 10=128 (LC 24), LC 24), 12=269 (LC 24) LC 33), 14=271 (LC 23)), 6)),	load of 12.0 p overhangs no	s been designed f osf or 2.00 times fl on-concurrent with	at roof lo	oad of 25.0 ps						an
FORCES	(lb) - Maximum Com Tension	pression/Maximum	7) 8)	This truss ha	spaced at 2-0-0 oc s been designed f	or a 10.0						FE OF M	MISSO
TOP CHORD	1-2=0/24, 2-3=-148/ 5-6=-90/136, 6-7=-9 9-10=-88/76	, ,	9)	* This truss h on the botton	Id nonconcurrent v as been designed n chord in all areas y 2-00-00 wide wi	for a liv s where	e load of 20.0 a rectangle)psf			Å	STATE OF M	NIEL
BOT CHORD		5=-66/114, 13-14=-64/1 2=-66/115,	,	chord and an	y other members. are assumed to be			ווע				Han	O THE
WEBS	6-13=-141/1, 5-14=- 7-12=-236/95, 9-11=	239/97, 3-15=-287/162 289/162	^{2,} 11) Provide mecl	nanical connection						N.F	PE-2022	BER 042259
NOTES 1) Unbalance this design	ed roof live loads have n.	been considered for		11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 10, 62 lb uplift at joint 2, 76 lb uplift at joint 14, 131 lb uplift at joint 15, 70 lb uplift at joint 12 and 133 lb uplift at joint 11.							L ENGINE		

September 13,2023

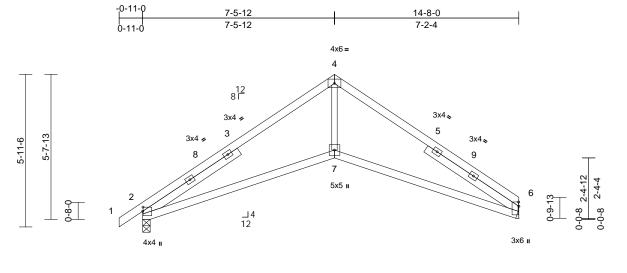
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Job	Truss	Truss Type	Qty Ply Roof - CB Lot 149		Roof - CB Lot 149	
P230397-01	D02	Scissor	15	1	Job Reference (optional)	160735728

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:40 ID:aX2aiF9TrY0h9ILFUSCGQRyx6uE-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

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

Snow (Pf) 25.0 Lumber DOL 1.15 BC 0.).86).59	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		GRIP 197/144 FT = 20%
 LUMBER TOP CHORD 2x4 SP 2400F 2.0E *Except* 4-6:2x4 SP 1650F 1.5E BOT CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 SLIDER Left 2x4 SP No.2 4-5-14, Right 2x4 SP No.2 4-4-7 BRACING TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 6= Mechanical Max Horiz 2=154 (LC 13) Max Uplift 2=-117 (LC 16), 6=-88 (LC 17) Max Grav 2=821 (LC 23), 6=746 (LC 24) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/24, 2-4=-1296/165, 4-6=-1302/181 MOT CHORD 2-7=-65/982, 6-7=-63/983 Unbalanced roof live loads have been considered for this design. 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) 	n DOL: Fully E r consi greater coof loa a loo p a loo	=1.15 Plate Exp.; Ce=0.5 sidered for the r of min roof ad of 25.0 ps e loads. psf bottom ther live loa load of 20.0 rectangle een the botto No.2 crushing ections. grain value Building g surface. rs) of truss t i lb uplift at ju h the 2018 R502.11.1 a	e); live sf on ds. Dpsf om ng o oint			li l	STATE OF M	



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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 149	
P230397-01	J01	Jack-Open	2	1	Job Reference (optional)	160735729

-0-11-0

0-11-0

1-10-15

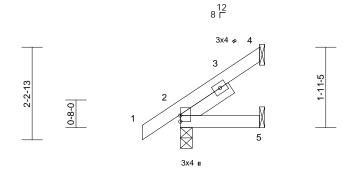
1-10-15

1-10-15

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 18:26:41 ID:WzHepUPuyI1D29ymbUfe72yx7?g-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:27.8

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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-P	0.11 0.04 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 2-5 2-5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	-	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 she 1-10-15 oc purlins. Rigid ceiling directly bracing. 	eathing directly appli y applied or 10-0-0 o 4= Mechanical, 5= ;al 16) 2 16), 4=-54 (LC 16)	6) ed or 7) c 8) 9) 10) , 5=38	chord live loa * This truss H on the bottor 3-06-00 tall H chord and ar Bearings are capacity of 5 Refer to gird Provide mec bearing plate 2 and 54 lb u This truss is International	er(s) for truss to hanical connection capable of withe plift at joint 4. designed in acco Residential Cod and referenced sta	t with any ed for a liv eas where will fit betw s. , Joint 2 S truss con on (by oth standing 1 ordance w le sections	other live loz e load of 20. a rectangle veen the bott SP No.2 crusi nections. ers) of truss i 8 lb uplift at j ith the 2018 R502.11.1 a	Opsf om hing to joint					
FORCES TOP CHORE BOT CHORE			20		Clandard								
NOTES 1) Wind: AS Vasd=91 Ke=1.00; exterior z and right exposed; reactions DOL=1.6 2) TCLL: AS Plate DO	SCE 7-16; Vult=115mph mph; TCDL=6.0psf; BC ; Cat. II; Exp C; Enclose zone and C-C Exterior(2 exposed ; end vertical ;0-C for members and f s shown; Lumber DOL=	EDL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever left and right forces & MWFRS for 1.60 plate grip (roof LL: Lum DOL= um DOL=1.15 Plate	left 1.15									STATE OF	MISSOUP ANIEL

- 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 3)
- 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.

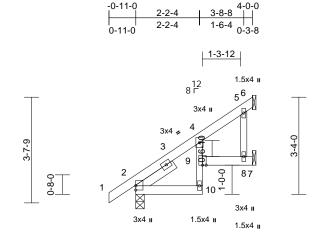
PE-2022042 ESSIONAL ET September 13,2023

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	J02	Jack-Open	4	1	Job Reference (optional)	160735730

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?lhF3N3oKOXZTUyx7?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/TPI2014	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 of 12.0 overhangs n 5) This truss has chord live loo 6) * This truss loo on the botton 3-06-00 tall l chord and an 7) Bearings are capacity of 5 8) Refer to gird 9) Provide mechanism bearing platt 6, 16 lb uplif 10) This truss is International 	as been designed for psf or 2.00 times fla on-concurrent with as been designed for ad nonconcurrent w has been designed m chord in all areas by 2-00-00 wide will ny other members. assumed to be: , J 65 psi. er(s) for truss to tru- hanical connection e capable of withsta t at joint 2 and 58 lb designed in accord Residential Code s nd referenced stam	at roof k other liv or a 10.0 vith any for a liv where l fit betw loint 2 S uss con (by oth inding 2 o uplift a ance w sections	bad of 25.0 ps ve loads. D psf bottom other live load e load of 20.0 a rectangle veen the botto SP No.2 crush nections. ers) of truss t r7 lb uplift at j t joint 7. th the 2018 is R502.11.1 a	sf on ds.)psf om ning o point					
FORCES	(lb) - Maximum Con Tension	npression/Maximum	LOAD CASE(S)									
TOP CHORD BOT CHORD WEBS	1-2=0/31, 2-4=-274/ 2-10=-76/111, 9-10= 8-9=0/0, 7-8=0/0 5-8=-95/68	/0, 4-5=-74/75, 5-6=-2 =-6/49, 4-9=-1/54,	8/45									
NOTES 1) Wind: ASG Vasd=91n Ke=1.00; exterior zc and right e exposed;0	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical 2-C for members and f shown; Lumber DOL=	CDL=6.0psf; h=35ft; ed; MWFRS (envelope 2E) zone; cantilever le left and right forces & MWFRS for									STE OF I	

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

3) Unbalanced snow loads have been considered for this design.



September 13,2023



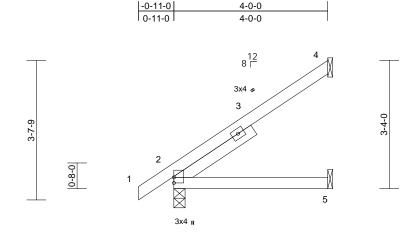
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not besign value for use only 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 149	
P230397-01	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

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	0.52 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%
	Mechanic Max Horiz 2=140 (Li Max Uplift 2=-16 (LC Max Grav 2=389 (Li 5=79 (LC (lb) - Maximum Com	athing directly applie 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)	c 8; 9; 3) 1(chord live lo. * This truss long the bottom 3-06-00 tall lochord and at bearings are capacity of 5 Refer to gird Provide mee bearing plate joint 4 and 1 This truss is International 	er(s) for truss to chanical connection capable of withs 6 lb uplift at joint 2 designed in acco Residential Code nd referenced sta	with any ed for a liv as where vill fit betv s. , Joint 2 \$ truss con on (by oth standing 1 2. wrdance w e sections	other live loz e load of 20. a rectangle veen the bott SP No.2 crusi nections. ers) of truss i 08 lb uplift ai ith the 2018 R502.11.1 a	Opsf com hing to t					
Vasd=91n Ke=1.00; (exterior zc and right e	Tension 1-2=0/31, 2-4=-157/ 2-5=0/0 CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical 2-C for members and f	i (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop 2E) zone; cantilever left and right	left									TE OF I	MISSOL

- reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2) 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 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.

NATHANIEL FOX R PE-2022042259 ARSSIONAL ET September 13,2023

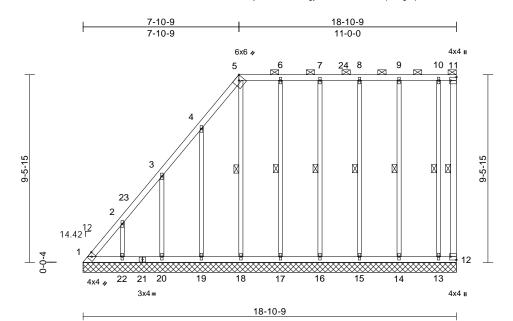
 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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Job	Truss			Roof - CB Lot 149		
P230397-01	LG01	Lay-In Gable	1	1	Job Reference (optional)	160735732

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

гa



Scale = 1:58.3

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

	() (
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	2 2 1	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 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	CHORD 2x4 SP No.2 CHORD 2x4 SP No.2 S 2x4 SPF No.3 ERS 2x3 SPF No.2 CING CHORD Structural wood sheathing directly applied of 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-11. CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. S 1 Row at midpt 11-12, 5-18, 6-17, 7-16 8-15, 9-14, 10-13 CTIONS (size) 1=18-10-9, 12=18-10-9, 13=18-10-9, 14=18-10-9,				BOT CHORD	1-2=-681/668, 2-3= 4-5=-272/274, 5-6= 7-8=-176/192, 8-9= 10-11=-176/192, 11 1-22=-177/194, 20- 19-20=-178/195, 18 17-18=-178/194, 16 15-16=-178/194, 14 13-14=-178/194, 12 2-22=-289/184, 3-21 4-19=-306/192, 5-11 6-17=-321/75, 7-16	-176/19 -176/19 -12=-1 22=-17 -19=-1 -17=-1 -15=-1 -13=-1 0=-292 8=-292	11, 6-7=-176/1 12, 9-10=-176/ 93/203 7/195, 78/195, 78/194, 78/194, 78/194, 78/194 /192, /228,	 7=-176/192, 10=-176/192, 10) * This truss has been designed for a live load of 2 on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bo chord and any other members. 11) All bearings are assumed to be SP No.2 crushing capacity of 565 psi. 12) Provide mechanical connection (by others) of trus bearing plate capable of withstanding 193 lb uplift joint 1, 73 lb uplift at joint 12, 168 lb uplift at joint 2 						
WEBS REACTIONS	(size) 1=1 13= 15= 17= 19= 22= Max Horiz 1=3 Max Uplift 1=-	18-10-9 =18-10- =18-10- =18-10- =18-10- =18-10- 391 (LC -193 (LC	8-15, 9-14, 10-13 9, 12=18-10-9, -9, 14=18-10-9, -9, 16=18-10-9, -9, 18=18-10-9, -9, 20=18-10-9, -9 C 13) C 14), 12=-73 (LC 15	5),	NOTES 1) Wind: ASCE Vasd=91mp Ke=1.00; Cč exterior zom Interior (1) 5 14-11-10, In left and righ	9-14=-311/79, 10-1: 57-16; Vult=115mpt h; TCDL=6.0psf; BC at. II; Exp C; Enclose e and C-C Exterior(2; -3-12 to 7-10-13, E; terior (1) 14-11-10 t t exposed ; end vert	3=-204, c (3-sec CDL=6. ed; MW 2E) 0-3 kterior(2 o 18-9- ical left	/142 cond gust) Dpsf; h=35ft; FRS (envelop -12 to 5-3-12, 2R) 7-10-13 to 0 zone; cantile and right	e)	joir Ib u at j 13) Thi Inte R8 14) Gra or t bot	t 18, 51 uplift at jo oint 13. s truss is ernationa 02.10.2 aphical p the orien tom cho	Ib uplif pint 15, a desig al Resid and ref purlin re tation o rd.	ft at joint 17, 40 lt , 65 lb uplift at join uned in accordanc dential Code sect ierenced standard spresentation doe of the purlin along	o uplift at joint 16, 46 ht 14 and 99 lb uplift we with the 2018 ions R502.11.1 and d ANSI/TPI 1. as not depict the size	
	15= 17- 19= 22= 13= 13= 15= 17= 19= 22=	=-46 (L) =-51 (L) =-169 (I =-168 (I 344 (LC =247 (L =330 (L =361 (L =347 (L =340 (L	13), 12=40 (LC 12), or consult qualified building designer as per ANSI/TPI 1. : 46), 14=352 (LC 36), or consult qualified building designer as per ANSI/TPI 1. : 36), 16=329 (LC 36), or consult qualified building designer as per ANSI/TPI 1. : 36), 16=329 (LC 36), or consult qualified building designer as per ANSI/TPI 1. : 36), 18=219 (LC 40), Plate DOL=1.15); Pf=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Fully Exp.; Ce=0.9; : 41), 20=330 (LC 37), Cs=1.00; Ct=1.10							BER TRA					
FORCES	Tension 60 All Compression/Maximum def Tension 5) Pi 6) All 7) G				design.5) Provide ade6) All plates ar7) Gable require						PE-2022042259				

September 13,2023



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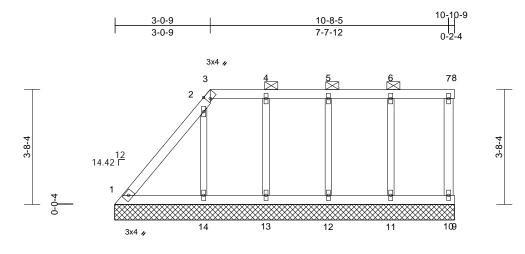
Job	Truss	uss Truss Type Qty Ply Roof		Roof - CB Lot 149		
P230397-01	LG02	Lay-In Gable	1	1	Job Reference (optional)	160735733

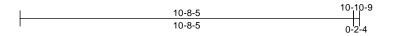
Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:42 ID:S4tzfMDUUh9LIrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1

September 13,2023

16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com





Scale = 1:36.9

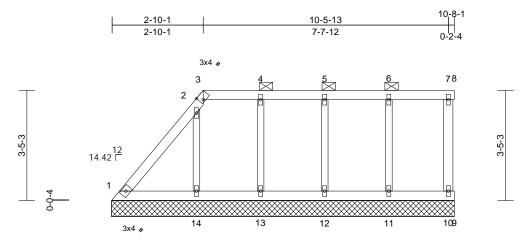
Plate Offsets (X, Y): [3:0-1-5,Edge]

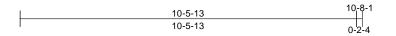
	∧, 1). [3.0-1-5,Euge]											-	
Loading TCLL (roof) Snow (Pf) TCDL BCLL BCDL	(psf) 25.0 25.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-S	0.19 0.08 0.10	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 8	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 48 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	6-0-0 oc purlins, exc 2-0-0 oc purlins (10- Rigid ceiling directly bracing.	0-0 max.): 3-8. applied or 10-0-0 oc		Vasd=91mph Ke=1.00; Car exterior zone Exterior(2R) 10-10-12 zor vertical left a forces & MW DOL=1.60 pl Truss desigr only. For stu see Standard	7-16; Vult=115mpl ; TCDL=6.0psf; Bt t. II; Exp C; Enclose and C-C Exterior(3-0-13 to 10-1-10, ne; cantilever left and right exposed; C FRS for reactions : ate grip DOL=1.60 ned for wind loads ds exposed to wind a Industry Gable Er	CDL=6. ed; MW 2E) 0-3 Interior nd right C-C for r shown; in the p d (norm nd Deta	Opsf; h=35ft; FRS (envelop -12 to 3-0-13, (1) 10-1-10 to exposed ; enu- nembers and Lumber lane of the tru al to the face) ils as applicat	d ss , ble,	Inte R80 15) Gra or th	rnationa)2.10.2 a phical p ne orien com cho	al Resid and ref urlin re tation o rd.	erenced standard presentation doe of the purlin along	ions R502.11.1 and d ANSI/TPI 1. es not depict the size
	9=10-10- 11=10-10 13=10-10 Max Horiz 1=148 (LC (LC 13), 1 (LC 13), 1 (LC 16), 1 (LC 16), 1 (LC 36), 1	36), 9=-49 (LC 7), 10 1=-44 (LC 12), 12=-44 3=-54 (LC 12), 14=-10	0 5) 60 6) 14 8) 47 9)	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 :	alified building des 7-16; Pr=25.0 psf .15); Pf=25.0 psf (l s=1.0; Rough Cat	igner a (roof Ll Lum DC C; Fully een col revent s other om chol s or a 10.	s per ANSI/TF .: Lum DOL=1 JL=1.15 Plate Exp.; Ce=0.9 asidered for th water ponding wise indicated d bearing. D psf bottom	91 1. 1.15); iis 1.				65 OF J	MUSC
	(lb) - Maximum Com Tension	•)* This truss h	as been designed n chord in all areas	for a liv	e load of 20.0				B	STATE OF I	NIEL
TOP CHORD	5-6=0/0, 6-7=0/0, 7-		10	chord and an	y 2-00-00 wide wil y other members.			m				S NATHA	
BOT CHORD	10-11=0/0, 9-10=0/0		· 12) All bearings a capacity of 5	are assumed to be 65 psi.	SP No	2 crushing					AF	(KA*1
WEBS	7-10=-152/33, 6-11= 4-13=-303/74, 2-14=	=-309/67, 5-12=-289/6 =-280/176	^{4,} 13) Provide mecl	hanical connection						MA	ex chance	
NOTES 1) Unbalance this design	ed roof live loads have	been considered for		8, 49 lb uplift at joint 11, 40	at joint 9, 5 lb uplif blb uplift at joint 12 blift at joint 14.	ft at joir	t 10, 44 lb upl	ift			S.	O PE-2022	042259 20 A

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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 (psf) Spacing TCLL (roof) 25.0 Plate Grip DI Snow (Pf) 25.0 Lumber DOL TCDL 10.0 Rep Stress I BCLL 0.0* Code BCDL 10.0 Image: Code	- 1.15 ncr YES	3/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 Weight: 46 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SPF No.2 WEBS 2x4 SPF No.3 OTHERS 2x3 SPF No.2 BRACING TOP CHORD Structural wood sheathing directly 6-0-0 oc purlins, except 2-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 3-8 BOT CHORD Rigid ceiling directly applied or 10-	. 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) 0-3-12 to 2-10-5, Exterior(2R) 2-10-5 to 9-11-2, Interior (1) 9-11-2 to 10-8-4 zone; cantilever left and right exposed; c-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60									tions R502.11.1 and d ANSI/TPI 1. es not depict the size
BOT CHORD Right centing directly applied of 10- bracing. REACTIONS (size) 1=10-8-4, 8=10-8-4, 9=1 10=10-8-4, 11=10-8-4, 1 13=10-8-4, 14=10-8-4, Max Horiz 1=137 (LC 16) Max Horiz 1=137 (LC 16) (LC 3), 11=-44 (LC 12) (LC 13), 11=-44 (LC 12) (LC 16) Max Grav 1=167 (LC 37), 8=4 (LC (LC 16), 10=203 (LC 36) (LC 36), 12=330 (LC 36) (LC 36), 14=327 (LC 37)	10-8-4, 12=10-8-4, 4) C 7), 10=-7 , 12=-40 5) , 14=-145 13), 9=-14 0, 11=347 8) , 13=341 9)	 torces & 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); Pi=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 5) Unbalanced snow loads have been considered for this design. 6) Provide adequate drainage to prevent water ponding. 7) All plates are 1.5x4 MT20 unless otherwise indicated. 8) Gable requires continuous bottom chord bearing. 									
FORCES (Ib) - Maximum Compression/Maxi Tension TOP CHORD 1-2=-163/142, 2-3=-95/28, 3-4=0/0 5-6=0/0, 6-7=0/0, 7-8=0/0 BOT CHORD 1-14=0/1, 13-14=0/0, 12-13=0/0, 1 10-11=0/0, 9-10=0/0 WEBS 7-10=-157/34, 6-11=-308/67, 5-12= 4-13=-305/72, 2-14=-257/163 NOTES 1) Unbalanced roof live loads have been consider	, 4-5=0/0, 1-12=0/0, =-288/64, 13,	chord live loa) * This truss h on the botton 3-06-00 tall b chord and an) All bearings a capacity of 56) Provide mech bearing plate	s been designed i d nonconcurrent as been designed n chord in all area y 2-00-00 wide w y other members are assumed to be 55 psi. nanical connection capable of withst at joint 9, 7 lb upl	with any d for a liv as where ill fit betw e SP No. n (by oth tanding 1	other live load e load of 20.0 a rectangle veen the botto 2 crushing ers) of truss to 9 lb uplift at jo	ipsf om o oint				STITE OF NATHA	X HER TO SHE

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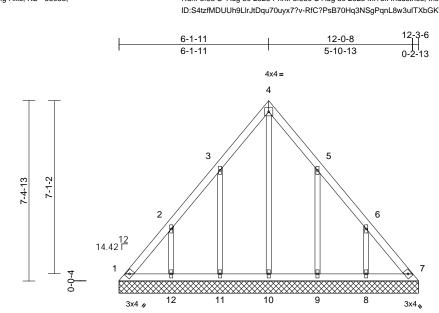


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	LG04	Lay-In Gable	1	1	Job Reference (optional)	160735735

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

Page: 1



12-3-6

Scale = 1:47.3

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 Code	2-0-0 1.15 1.15 YES IRC20 ⁷	18/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	GRIP 244/190
BCDL		10.0											Weight: 61 lb	FT = 20%
	6-0-0 oc Rigid ceil bracing. (size) Max Horiz Max Uplift	lo.2 No.2 I wood she purlins. ing directly 1=12-3-6, 9=12-3-6, 1=207 (LC 1=-80 (LC 8=-178 (L 11=-167 (1=194 (LC 8=254 (LC 10=149 (L	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 2	d or -6, ³ 7), ⁴ 16) , 5	Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 5 11-1-14, Intel left and right exposed;C-C reactions shi DOL=1.60) Truss desig only. For stu see Standard or consult qu) TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct:	7-16; Vult=115n ; TCDL=6.0psf; t. II; Exp C; Encl and C-C Exterior -3-12 to 6-1-14, I vrior (1) 11-1-14 t exposed ; end v C for members ar own; Lumber DC ned for wind loac uds exposed to w d Industry Gable ualified building 5-716; Pr=25.0 ps Is=1.0; Rough C: =1.10 snow loads have	BCDL=6. osed; MW or(2E) 0-3 Exterior(2I) or 12-0-1 2 ertical left hd forces of L=1.60 pl ds in the p ind (norm End Deta lesigner a: sf (roof LI f (Lum DC at C; Fully	Dipsf; h=35ft; FRS (envelop -12 to 5-3-12, R) 6-1-14 to cone; cantileve and right & MWFRS for ate grip lane of the tru al to the face) ils as applicat s per ANSI/TP .: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9	er ss ple, 11. .15 ;	LOAD	CASE(S) Sta	andard	
		12=254 (L	,	6) All plates are	e 1.5x4 MT20 un	less other	wise indicated	Ι.					
FORCES	(lb) - Max Tension	umum Com	pression/Maximum	7		es continuous bo		d bearing.						
TOP CHORD	1-2=-271		154/106, 3-4=-167/13 149/71, 6-7=-249/173) This truss ha	spaced at 2-0-0 as been designed ad nonconcurren	d for a 10.		46					alle alle
BOT CHORD	10-11=-1		2=-136/197, 0=-136/197, 135/196	1	0) * This truss h on the bottor	nas been designe n chord in all are	ed for a liv as where	e load of 20.0 a rectangle	psf			4	TATE OF	MISSO
WEBS	4-10=-12	0/81, 3-11=		195 1	chord and ar	by 2-00-00 wide by other member are assumed to l	s.		111			A		ANIEL
NOTES			•	I	capacity of 5			2 Grushing				m.	AL LAST	
 Unbalance this design 		loads have	been considered for	1	 Provide mec bearing plate 1, 54 lb uplift 	hanical connection capable of with t at joint 7, 167 lb	standing 8 o uplift at j	0 lb uplift at jo pint 11, 178 lb	pint			X	athanie	BER JOO

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

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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V01	Valley	1	1	Job Reference (optional)	160735736

12 8 Г 1-10-14

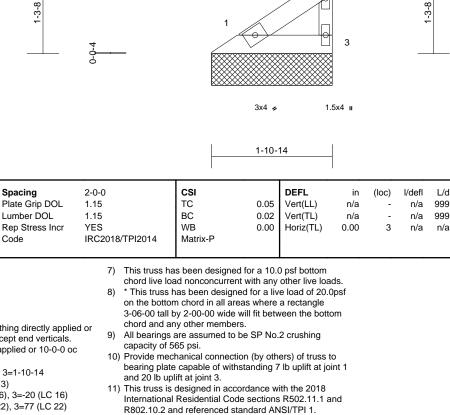
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083,

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:43 ID:S4tzfMDUUh9LIrJtDqu70uyx7?v-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

1.5x4 ı

2

Page: 1



Scale = 1:18.2

Loading

TCLL (roof)

Snow (Pf)

LUMBER

TCDL

BCLL

BCDL

LOWIDER		
TOP CHORD	2x4 SP N	0.2
BOT CHORD	2x4 SP N	0.2
WEBS	2x3 SPF I	No.2
BRACING		
TOP CHORD	Structural	wood sheathing directly applie
	1-11-4 oc	purlins, except end verticals.
BOT CHORD	Rigid ceili	ing directly applied or 10-0-0 of
	bracing.	
REACTIONS	(size)	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)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	·
TOP CHORD	1-2=-56/4	2, 2-3=-64/67
BOT CHORD	1-3=-19/2	0
NOTES		

(psf)

25.0

25.0

10.0

10.0

0.0

- 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) 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
- 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.



PLATES

Weight: 6 lb

MT20

GRIP

244/190

FT = 20%

September 13,2023



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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V02	Valley	1	1	Job Reference (optional)	160735737

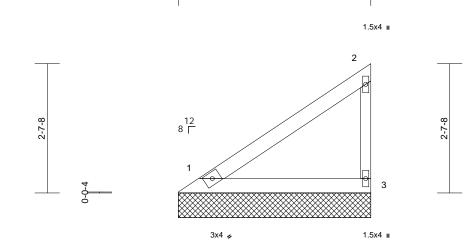
3-10-14

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



Scale - 1:23.4

Scale = 1:23.4		I								
Loading (psf) TCLL (roof) 25.0 Snow (Pf) 25.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing2-0Plate Grip DOL1.1Lumber DOL1.1Rep Stress IncrYECodeIRC	5 5	CSI TC 0.3 BC 0.1 WB 0.0 Matrix-P 0.0	3 Vert(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, ex Rigid ceiling directly bracing.	applied or 10-0-0 oc 4, 3=3-10-14 13) 16), 3=-50 (LC 16) 2 2), 3=216 (LC 22) pression/Maximum 82/156 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelope) E) zone; cantilever left eft and right brces & MWFRS for .60 plate grip n 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 ; Fully Exp.; Ce=0.9; en considered for this	 chord live loa * This truss h on the botton 3-06-00 tall b chord and an 9) All bearings a capacity of 50 10) Provide mech bearing plate 1 and 50 lb u 11) This truss is o International 	hanical connection (by o capable of withstandin plift at joint 3. designed in accordance Residential Code section nd referenced standard	ny other live load live load of 20. re a rectangle etween the bott lo.2 crushing thers) of truss i g 16 lb uplift at with the 2018 ns R502.11.1 a	Opsf com to joint				S NATH	BER 1042259
									•	

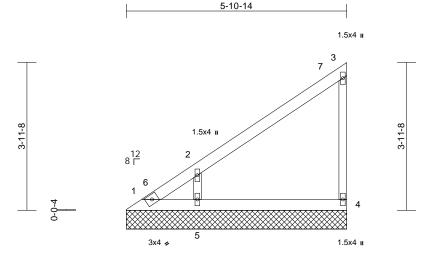


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Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V03	Valley	1	1	Job Reference (optional)	160735738

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

Scale = 1:30.8	0.8	1:3	=	cale	Sc
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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%
	2x4 SP 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=5-10-14 Max Horiz 1=152 (LC Max Uplift 1=-67 (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=5-10 C 13) C 14), 4=-40 (LC 13), C 16) 16), 4=216 (LC 22), C 22) appression/Maximum 153/118, 3-4=-185/1	2)-14 9) 10 11	 design. Gable requiri Gable studs This truss ha chord live loa * This truss f on the bottor 3-06-00 tall t chord and ar All bearings capacity of 5 Provide mec bearing plate 1, 40 lb upliff This truss is International 	hanical connecti capable of with at joint 4 and 19 designed in according Residential Coording 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 loa e load of 20. a rectangle veen the bott 2 crushing ers) of truss 57 lb uplift at at joint 5. ith the 2018 s R502.11.1 a	ads. Opsf com to joint					
 Wind: ASC Vasd=91n Ke=1.00; (exterior zo Interior (1) right exposi for membe Lumber Di Truss des only. For 	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2) 0 5-5-12 to 5-10-0 zone sed ; end vertical left a ers and forces & MWF iOL=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, s; cantilever left and ind right exposed;C- RS for reactions sho V=1.60 n the plane of the tru (normal to the face)	C wn; ss]	N.	STATE OF	ANIEL YON

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



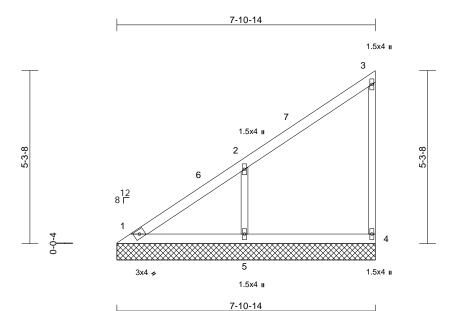
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16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V04	Valley	1	1	Job Reference (optional)	160735739

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



Scale = 1:35.2

00010 - 110012													
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	0.50	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.14	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES		WB	0.10	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC201	8/TPI2014	Matrix-P								
BCDL	10.0											Weight: 31 lb	FT = 20%
	2x4 SP No.2 2x4 SP No.2 2x3 SPF 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=7-10-1. Max Horiz 1=209 (LC 5=-179 (L Max Uplift 1=-13 (LC 5=-179 (L Max Grav 1=147 (LC 5=581 (LC (lb) - Maximum Con Tension 1-2=-361/242, 2-3=- 1-5=-101/109, 4-5=- 2-5=-489/312	cept end verticals. applied or 10-0-0 o 4, 4=7-10-14, 5=7-1 C 13) C 12), 4=-47 (LC 13) C 16) C 26), 4=213 (LC 22 C 22) appression/Maximum 167/138, 3-4=-183/	c ₀₋₁₄ 9) , 10 ?), 11	design. Gable requir Gable studs This truss ha chord live lo. * This truss I on the bottor 3-06-00 tall 1 chord and at All bearings capacity of 5) Provide mee bearing platt 1, 47 lb uplif) This truss is International	chanical connectio e capable of withsi t at joint 4 and 179 designed in accor I Residential Code nd referenced star	tom chor c. for a 10. with any d for a liv s where ill fit betv e SP No. n (by oth anding 1) lb uplift dance w sections	d bearing. 0 psf bottom other live loa re load of 20.0 a rectangle veen the botto 2 crushing ers) of truss t 13 lb uplift at j at joint 5. ith the 2018 s R502.11.1 a	ids. Opsf om to oint					
NOTES													
Vasd=91m Ke=1.00; 0	CE 7-16; Vult=115mph hph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2	DL=6.0psf; h=35ft; d; MWFRS (envelo	,									TE OF I	MISSO

- 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
- 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

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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 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)

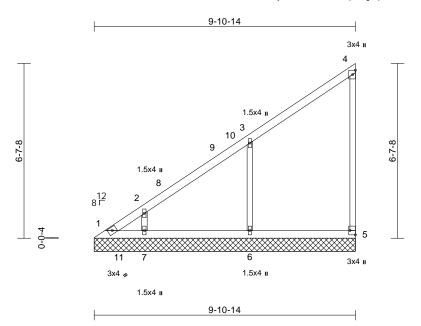




Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V05	Valley	1	1	Job Reference (optional)	160735740

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Tue Sep 12 18:26:44 ID:wGRLsiE6F?HCN?u3nYPMZ5yx7?u-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 1



Scale = 1:43.7

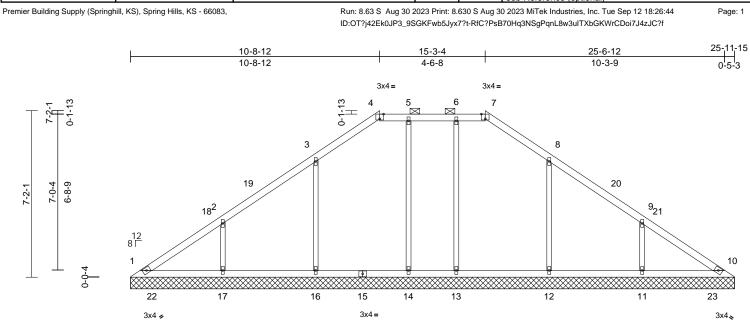
Plate Offsets (X, Y): [5:Edge,0-2-8]

	() / [3-/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 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 FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Wind: AS Vasd=911 Ke=1.00;	2x4 SP No.2 2x4 SP No.2 2x3 SPF 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 (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 6=579 (LC (lb) - Maximum Com Tension 1-2=-468/296, 2-3=- 4-5=-186/137	cept end verticals. applied or 10-0-0 o 4, 5=9-10-14, 6=9-14 C 13) C 16), 7=-56 (LC 13) C 16), 7=-124 (LC 1 C 13), 5=-28 (LC 5). C 5), 7=339 (LC 25) apression/Maximum 366/252, 3-4=-173/ 125/137, 5-6=-125/ 237/203 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop	4 ed or 5 6 c 7 0-14, 8 , 6) 9 , 146, 1 137 L 37 L	 Plate DOL=² DOL=1.15); Cs=1.00; Ct: Unbalanced design. Gable requir Gable studs This truss ha chord live loc * This truss is on the botton 3-06-00 tall le chord and an All bearings capacity of 5 Provide mech bearing plate 1, 56 lb uplift uplift at joint This truss is International 	snow loads have es continuous bo spaced at 4-0-0 as been designer ad nonconcurren nas been designer n chord in all are yy 2-00-00 wide e yy 2-00-00 wide e yy other member are assumed to l i65 psi. hanical connecti e capable of with t at joint 5, 176 lb 7. designed in accor Residential Cod nd referenced st	of (Lum DC at C; Fully e been cor oc. d for a 10. tt with any ed for a 10 twith a 10 twi	DL=1.15 Plate Exp.; Ce=0.9 Insidered for the d bearing. D psf bottom other live load e load of 20.0 a rectangle ween the botto DL = 10.0psf 2 crushing ers) of truss t i0 lb uplift at j point 6 and 120 ith the 2018 i R502.11.1 a	e 9; ds. 0psf om 5. o oint 4 lb				Weight: 40 lb	MISSOUR
right expo for memb Lumber D 2) Truss de only. For see Stand) 5-5-12 to 9-10-0 zone ssed ; end vertical left a ers and forces & MWF1 OOL=1.60 plate grip DO signed for wind loads ir studs exposed to wind dard Industry Gable En t qualified building design	Ind right exposed;C- RS for reactions sho DL=1.60 In the plane of the tru I (normal to the face d Details as applical	own; uss), ble,									PE-2022	FNOT



September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	V06	Valley	1	1	Job Reference (optional)	160735741



25-11-15

Scale = 1:49.6 Plate Offsets (X, Y): [4:0-2-0,Edge], [7:0-2-0,Edge]

7-2-1

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	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf)	25.0	Lumber DOL	1.15		BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES		WB	0.31	Horiz(TL)	0.01	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018	3/TPI2014	Matrix-S								
BCDL	10.0											Weight: 104 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD		athing directly applied	2)	this design. Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone	roof live loads hav 7-16; Vult=115m h; TCDL=6.0psf; E t. II; Exp C; Enclos and C-C Exterior -5-12 to 10-9-2, E:	oh (3-seo SCDL=6. sed; MW (2E) 0-5	cond gust) 0psf; h=35ft; /FRS (envelop -12 to 5-5-12,	e)	bea 1, 1 upli join 14) This	ring plat 70 lb up ft at join t 12 and s truss is	te capa olift at j t 14, 1 l 43 lb s desig	able of withstandi oint 17, 130 lb up 71 lb uplift at join uplift at joint 13. Ined in accordance	v others) of truss to ing 9 lb uplift at joint Jlift at joint 16, 56 lb t 11, 126 lb uplift at ce with the 2018 tions R502.11.1 and
	6-0-0 oc purlins, exc 2-0-0 oc purlins (6-0				erior(2R) 15-3-10							erenced standar	
BOT CHORD	Rigid ceiling directly bracing.			22-4-7 to 25- exposed ; en	6-15 zone; cantile d vertical left and d forces & MWFR	ever left a right exp	and right bosed;C-C for		or ti		tation	epresentation doe of the purlin along	es not depict the size g the top and/or
	11=25-11 13=25-11 16=25-11 Max Uplift 1=-9 (LC 12=-126 (14=-56 (L 17=-170 (Max Grav 1=305 (LC 11=638 (L 13=351 (L	12), 11=-171 (LC 17), LC 17), 13=-43 (LC 1 C 13), 16=-130 (LC 1 LC 16)	2), 4) 6), 5) 0), 5)	Lumber DOL 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. Provide adeo	=1.60 plate grip E ned for wind loads ids exposed to wind d Industry Gable E ialified building de i7-16; Pr=25.0 ps .15); Pf=25.0 ps Is=1.0; Rough Cal	DOL=1.60 in the p and (norm and Deta signer a: f (roof LI (Lum DO c C; Fully been con prevent) lane of the tru lal to the face) ills as applicat s per ANSI/TF .: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9 nsidered for th water ponding	ss ble, ble, 1.15 l.15 j; l.	LOAD				
FORCES	(lb) - Maximum Com	pression/Maximum	8)		es continuous bot							E. OF I	MISS
TOP CHORD	4-5=-164/112, 5-6=-	339/85, 3-4=-316/117 162/113, 6-7=-164/11 339/51, 9-10=-300/89	3,) This truss ha chord live loa	spaced at 4-0-0 o is been designed ad nonconcurrent	for a 10. with any	other live load				H	STATE OF I	NIEL YE V
BOT CHORD	1-17=-69/223, 16-17 14-16=-69/223, 13-1 12-13=-69/223, 11-1 10-11=-69/223	'=-69/223, 4=-69/223, 2=-69/223,		on the bottor 3-06-00 tall b chord and ar	has been designed in chord in all area by 2-00-00 wide w hy other members are assumed to be	s where ill fit betv , with BC	a rectangle veen the botto CDL = 10.0psf.	om			K	thanie	BER FOR
WEBS	2-17=-526/212, 3-16 5-14=-278/91, 9-11= 8-12=-471/177, 6-13	-526/213,		capacity of 5							Ø.	PE-2022	12 A

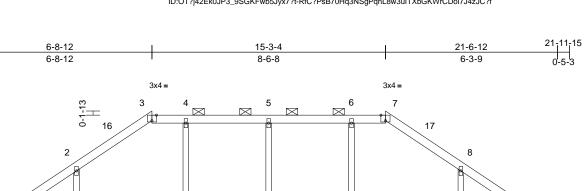
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use,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

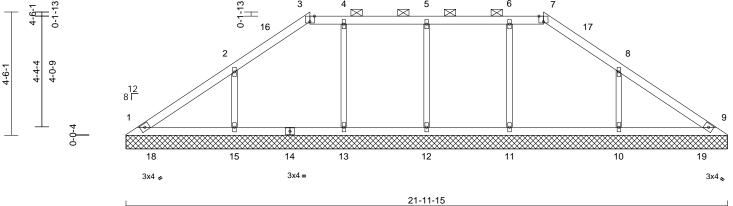


Conne September 13,2023

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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 ID:OT?j42Ek0JP3_9SGKFwb5Jyx7?t-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f





Scale = 1:42.1

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

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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	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%
	10=21-11 12=21-11 15=21-11 Max Horiz 1=115 (LC Max Uplift 1=-5 (LC 11=-43 (L 13=-54 (L Max Grav 1=306 (LC 10=612 (L	xept +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) 17), 10=-145 (LC 17) C 12), 12=-76 (LC 12) C 13), 15=-147 (LC	Vasd Ke=1 exter Interi d or 14-0- 15-3- expo mem Lumt 3) Trus only. see 5 or co 4) TCLL Plate , DOL- 2), Cs=1 (6) 5) Unba , desig (5), 6) Provi	de adequate draina	Dpsf; BCDL=6.0 Enclosed; MW xterior(2E) 0-5- 2, Exterior(2R) -11 to 15-3-10 ; cantilever left ft and right exp (WFRS for rea grip DOL=1.60 loads in the pi to wind (norm able End Deta ing designer as 5.0 psf (roof LL 0 psf (Lum DC gh Cat C; Fully have been cor	Dpsf; h=35ft; FRS (envelop -12 to 5-5-12,) 6-9-2 to , Exterior(2E) and right vosed;C-C for ctions shown;) lane of the tru al to the face) ils as applicat s per ANSI/TP DL=1.15 Plate Exp.; Ce=0.9 hisidered for th water ponding	be) ss jole, .15 ; is	Inte R80 15) Gra or ti bott	rnationa)2.10.2 a phical p	I Resid and ref urlin re tation o d.	erenced standar epresentation doe of the purlin along	tions R502.11.1 and d ANSI/TPI 1. es not depict the size
FORCES	15=614 (L (lb) - Maximum Com Tension	,	8) Gable 9) Gable	ates are 1.5x4 MT2 e requires continuou e studs spaced at 4	us bottom chor -0-0 oc.	d bearing.					Contraction of the	Alla Alla
TOP CHORD	1-2=-290/63, 2-3=-3 4-5=-155/79, 5-6=-1	55/79, 6-7=-157/80,	chord	truss has been desi I live load nonconcu s truss has been des	irrent with any	other live load				Å	STATE OF I	NIEI SOLA
BOT CHORD	7-8=-308/72, 8-9=-2 1-15=-32/171, 13-15 12-13=-32/171, 11-1 10-11=-32/171, 9-10	5=-32/171, 2=-32/171,	3-06- chord	e bottom chord in al 00 tall by 2-00-00 w and any other mer	vide will fit betw mbers, with BC	veen the botto DL = 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, =-327/87, 5-12=-403	/108 capa /108 13) Provi beari 1, 14	earings are assumed city of 565 psi. de mechanical conr ng plate capable of 7 lb uplift at joint 15 at joint 10, 43 lb up 12.	nection (by oth withstanding 5 , 54 lb uplift at	ers) of truss to b uplift at joi joint 13, 145 l	nt b		I		PE-2022	120

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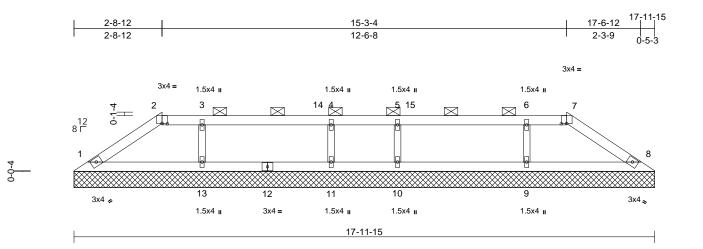
September 13,2023

Page: 1

Job	Truss	Truss Type	Qty	Ply	Roof - CB Lot 149	
P230397-01	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



Scale = 1:35.7

1-10-1

1-10-1 1-8-13 1-5-2 0-1-4

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

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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	0.33 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%
	9=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	xept -0 max.): 2-7. applied or 6-0-0 oc 15, 8=17-11-15, 15, 10=17-11-15, -15, 13=17-11-15 15) 2 16), 8=-37 (LC 17), 2 12), 10=-70 (LC 13) C 12), 13=-86 (LC 1	3) , 4) , 3)), 5)	Vasd=91mpl Ke=1.00; Ca exterior zone Exterior (2R) 15-3-10, Ext cantilever lef right expose for reactions DOL=1.60 Truss desig only. For stu see Standard or consult qu TCLL: ASCE Plate DOL=1 DOL=1.15); Cs=1.00; Ct= Unbalanced design.	snow loads have	SCDL=6. sed; MW r(2E) 0-5 Interior (to 17-6- ed; end v s and fo DOL=1.60 s in the p nd (norm End Deta signer a f (roof LI (Lum DC t C; Fully been col	Opsf; h=35ft; (FRS (envelop -12 to 2-9-2, 1) 10-0-11 to 15 zone; vertical left and rces & MWFR D plate grip lane of the true al to the face) ills as applicat s per ANSI/TF L: Lum DOL=1 DL=1.15 Plate Exp.; Ce=0.9 higher the second second second second plate and second second second science of the true science of the true scie	d S ss , ble, 11. .15 ; is	Inte R80 15) Gra or t bot	ernationa 02.10.2 a aphical p	al Resid and ref ourlin re tation o rd.	erenced standar epresentation do of the purlin alon	tions R502.11.1 and d ANSI/TPI 1. es not depict the size
FORCES	(lb) - Maximum Com Tension 1-2=-293/51, 2-3=-1		7) 8)	7) All plates are 1.5x4 MT20 unless otherwise indicated.								an	
BOT CHORD		179/58, 3-4=-178/57, 6-7=-179/58, 9) Gable studs spaced at 4-0-0 oc. 178/57, 6-7=-179/58, 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.									TATE OF	MISSOL	
WEBS	10-11=-16/178, 9-10 3-13=-459/134, 4-11 6-9=-459/131, 5-10=)=-16/178, 8-9=-16/1 =-376/103,	78	on the bottor 3-06-00 tall t	has been designed n chord in all area by 2-00-00 wide w ny other members	as where vill fit betw	a rectangle				BA	S NATH	
NOTES 1) Unbalance this design	ed roof live loads have h.	r) All bearings capacity of 5) Provide mec	are assumed to be	e SP No n (by oth	ers) of truss to					PE-2022	BER 042259	

1, 37 lb uplift at joint 8, 86 lb uplift at joint 13, 70 lb uplift at joint 11, 82 lb uplift at joint 9 and 70 lb uplift at joint 10.

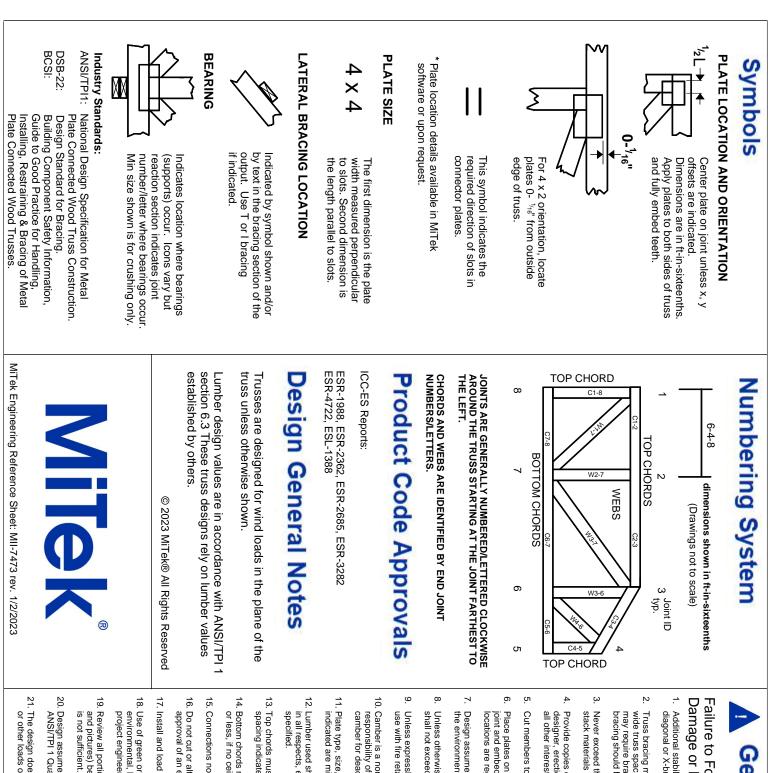
September 13,2023

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.