

RE: P240989 - Site Information Project Customer Lot/Block: 209 Model: Address: 2750 S City: Lee's Sumn General Truss Er Drawings Show S Design Code: IR Wind Code: ASCE Wind Speed: 115 r Roof Load: 45.0 p Mean Roof Height	: Clayton Propertie W 11th Terr nit ngineering Criteria Special Loading C C2018/TPI2014 7-16 nph sf (feet): 35	s Project Name Subdivisi State: M & Design Load onditions):	e: Woodbridge - on: Highland Mo O s (Individual Tru Design Program Design Method: Floor Load: N/2 Exposure Categ	MiTek, Inc. 16023 Swingley Chesterfield, M eadows uss Design a: MiTek 20/20 8.6 MWFRS (Envelope)/C-C h A psf	v Ridge Rd. O 63017 ybrid Wind ASCE 7-16
No.Seal#1 68479934 2 68479935 3 68479936 4 68479937 5 68479938 6 684799397 7 68479940 8 68479941 9 68479942 10 68479943 11 68479943 12 68479943 13 68479944 12 68479945 13 68479946 14 68479947 15 68479950 18 68479952 20 68479953 21 68479955 23 68479956 24 68479957 25 68479959 27 68479960 28 68479961 29 68479965 33 68479965 33 68479966 34 68479967	Truss NameDateA1 $9/27/2$ A2 $9/27/2$ A3 $9/27/2$ A4 $9/27/2$ A5 $9/27/2$ A6 $9/27/2$ A7 $9/27/2$ A8 $9/27/2$ A9 $9/27/2$ A10 $9/27/2$ A11 $9/27/2$ A12 $9/27/2$ A13 $9/27/2$ A14 $9/27/2$ CG2 $9/27/2$ CG3 $9/27/2$ CG4 $9/27/2$ CG5 $9/27/2$ CG6 $9/27/2$ CG6 $9/27/2$ H1 $9/27/2$ H3 $9/27/2$ H4 $9/27/2$ J1 $9/27/2$ J3 $9/27/2$ J4 $9/27/2$ J5 $9/27/2$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Truss Name 968 J6 969 J7 970 J8 971 J9 972 J10 973 J11 974 J12 975 J13 976 J14 977 J15 978 J16 979 J17 980 J18 981 J19 982 J20 983 J21 984 LG1 984 LG1 985 LG2 986 LG4 987 LG5 988 LG6 989 LG7 990 TG2	Pate 9/27/24 <t< td=""><td></td></t<>	
The truss drawing(MiTek USA, Inc. 1 provided by Premia Truss Design Eng My license renewa IMPORTANT NO that the engineer name designs comply with A shown (e.g., loads, sup given to MiTek or TRE TRENCO's customers preparation of these de applicability of the desi the building designer s incorporate these desi	s) referenced above h under my direct super er Building Supply (S gineer's Name: Sev I date for the state of TE: The seal on these tra- ed is licensed in the jurisdin NSI/TPI 1. These designs ports, dimensions, shape NCO. Any project specific file reference purpose only esigns. MiTek or TRENCC ign parameters or the desi hould verify applicability of gns into the overall building	ave been prepared vision based on th pringhill, KS)2030 vier, Scott Missouri is Decen uss component design citon(s) identified and th are based upon parar s and design codes), w c information included v, and was not taken ir D has not independent the bas not independent design parameters ar g design per ANSI/TPI	by e parameters 00 W 207th Street. aber 31, 2025. s is a certification hat the neters thich were is for MiTek's or to account in the y verified the puilding. Before use, id properly 1, Chapter 2.	SCOTT M. SEVIER PE-2001018807	Santambar 27 202

1 of 1

Sevier, Scott

September 27,2024

Job	Truce													
	11035		Truss T	уре			Qty	/	Ply			A	S NOTED FOR I DEVELOPMEN	PLAN REVIEW
P240989	A1		Hip Gir	der			1		2	Job Referen	ce (optiona	r	1684 LEE'S SUMMIT	79934 , <mark>MISSOURI</mark>
Premier Building Supply (Spring	hill, KS), Spring	Hills, KS - 66083,			Rur ID:3	n: 8.63 S Jul 3BJX?HGbO	12 2024 F 3e?9VWst	Print: 8.63 BCFLIzDu	0 S Jul 12 JRM-RfC?I	2024 MiTek Indu PsB70Hq3NSgP	ustries, Inc. W qnL8w3uITXI	/ed Sep 25 2 GKWrCDol7	264/11/	2024
	-0-11-0	<u>5-2-4</u> 5-2-4		<u>11-0</u> 5-9-1	-3		<u>16-'</u> 5-1	<u>11-13</u> 1-11		22	-9-12 9-15		28-0-0	28-11-0
	0-11-0	524		00	10		01			5	5 10		524	0-11-0
			NAILED	NAILED	NAILED	NAILED	NAILED		NAILE	D NAILED	NAILED	NAILED		
2-4-12 2-3-32-4-12 2-3-3 0-1-9	2	4 6 +=15	6x6=	16	17	3x4=	8 19	3x- 205		x4 II	23	6x6=	24	8 9
			- PI	0		╴╘╬╴┎		۵			0			
	⊠ 4x4 =		14	25	26	13 12	27	28	1	1 29	30	10		⊠ 4x4 =
			3x4 II			4x6=	•_		4x			3x4 II		
			1113/20	NAILED	NAILED				INALL		NAILED	113720		
	L	5-1-0	1	11-0	-3	1	16-1	11-13		22	-11-0	1	28-0-0	
		5-1-0	I	5-11	-3	I	5-1	1-11	I	5.	-11-3		5-1-0	
Scale = 1:53.9														
Plate Offsets (X, Y): [2:0-1-	-1,0-2-0], [8:0-	1-1,0-2-0], [13:0	0-2-8,0-2-0)]										

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	8/TPI2014	CSI TC BC WB Matrix-S	0.79 0.97 0.57	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.35 -0.64 0.08	(loc) 11-13 11-13 8	l/defl >932 >519 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 231 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 *Excep 1.5E 2x6 SPF No.2 2x3 SPF No.2 Structural wood she 5-1-15 oc purlins, e: 2-0-0 oc purlins (4-4 Rigid ceiling directly bracing. (size) 2=0-5-8, i Max Horiz 2=-37 (LC Max Uplift 2=-647 (L Max Grav 2=2266 (I (lb) - Maximum Corr	athing directly applie ccept 1-14 max.): 3-7. applied or 10-0-0 oc 8=0-5-8 2 13) C 8), 8=-647 (LC 9) _C 1), 8=2266 (LC 1) pression/Maximum	2) 50F 3) d or 4)	All loads are except if note CASE(S) see provided to c unless othen Unbalanced this design. Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 4 Interior (1) 1 28-11-0 zone vertical left a forces & MW DOL=1.60 pl	considered equal ed as front (F) or b titon. Ply to ply co listribute only load wise indicated. roof live loads hav 7-16; Vult=115mp n; TCDL=6.0psf; B t. II; Exp C; Enclos and C-C Exterior 1-0 to 5-2-4, Exte 2-3-2 to 22-9-12, E e; cantilever left ar nd right exposed; FRS for reactions ate orio DOL=1.6	ly applie pack (B) ; nnection s noted re been (cDL=6. cDL=6. cDL=6. www. (2E) -0 rior(2R) Exterior(2 nd right e C-C for n shown;)	d to all plies, face in the LC sonsidered for considered for cond gust) Opsf; h=35ft; FRS (envelop 11-0 to 4-1-0, 5-2-4 to 12-3- 5-2-4 to 12-3- 5-2-12 to 12-3- to 22-9-12 to exposed ; end nembers and Lumber	0AD () 2,	14) N/A per LOAD (1) De Pl: Ur Co	ALLED" in NDS gu CASE(S ead + Ro ate Increa- iform Li Vert: 1- oncentra Vert: 3= (B), 7=- 16=-104 22=-104 22=-104	ndicate iideline of Live aase=1 bads (I 3=-70, ited Lo -104 (I 104 (B), 1 4 (B), 2 (B), 28	es Girder: 3-10d l es. ndard e (balanced): Lui .15 b/ft) 3-7=-70, 7-9=-71 ads (lb) B), 14=-303 (B), .), 11=-31 (B), 4= 7=-104 (B), 19= 23=-104 (B), 25= 3=-31 (B), 29=-31	(0.148" x 3") toe-nails mber Increase=1.15, 0, 2-8=-20 10=-303 (B), 13=-31 104 (B), 6=-104 (B), -104 (B), 20=-104 (B), -31 (B), 26=-31 (B), 1 (B), 30=-31 (B)
TOP CHORD	Tension 1-2=0/2, 2-3=-5479/ 4-6=-8038/2366, 6-7 7-8=-5490/1592, 8-9	1592, 3-4=-8091/239 7=-8042/2369, 9=0/2	5) 4, 6) 7)	Provide adec This truss ha chord live loa	uate grip DOLE 1.00 juate drainage to j s been designed f ad nonconcurrent	prevent for a 10.0 with any	water ponding 0 psf bottom other live load	ı. ds.					
BOT CHORD	2-14=-1410/5041, 1 11-13=-2285/8087, 8-10=-1415/5051 2-14=-10/519, 7-10-	3-14=-1409/5015, 10-11=-1415/5024,	8)	capacity of 4 Provide mec bearing plate	25 psi. hanical connection capable of withst	n (by oth anding 6	ers) of truss to 647 lb uplift at	D					an an
NOTES 1) 2-ply truss (0.131*x3* Top chord oc. Bottom ch staggered Web conn	3-14=-10/519, 7-10 3-13=-926/3312, 7-7 4-13=-855/434, 4-17 to be connected toge) nails as follows: s connected as follows: ords connected as follows: ords connected as follows: at 0-9-0 oc. ected as follows: 2x3 -	18/331, 11=-907/3252, 1=-100/49, 6-11=-844 ther with 10d s: 2x4 - 1 row at 0-9-0 ows: 2x6 - 2 rows - 1 row at 0-9-0 oc.	9) /445) 10) 11 12 13	joint 2 and 6. This truss is International R802.10.2 ar Of Graphical pu or the orienta bottom chore Use Simpsor Right Hand H to connect truss Of Hand Hip) or connect truss Fill all nail ho	47 lb uplift at joint designed in accor Residential Code nd referenced star rlin representation ation of the purlin a l. h Strong-Tie THJA dip) or equivalent at uss(es) to back fan h Strong-Tie THJA equivalent at 22-4 s(es) to back face les where hanger	8. dance w sections ndard AN a does nd along the .26 (THJ at 5-2-10 ce of bot .26 (THJ 3-6 from of bottor is in cor	ith the 2018 is R502.11.1 ai ISI/TPI 1. ot depict the s top and/or A26 on 2 ply, 0 from the left tom chord. A26 on 2 ply, the left end to n chord. that with lumb	nd ize end Left oper.		-		PE-2001	MISSOLUE TM. HER 018807

liTek° 16023 Swingley Ridge Rd. Chesterfield, MO 63017

September 27,2024

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_						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240989	A2	Hip	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 20 ID:amL0vgFTCg9Ne0	024 Print: 8.6 GbXq0IxEizD	30 S Jul 12 : uZ6-RfC?Ps	2024 MiTek Industries, Inc. We B70Hq3NSgPqnL8w3uITXbGI	d Sep 2512644/11/269:24 WrCDoi7J42567f



Scale = 1:53.6

Plate Offsets	(X, Y): [2:0-3-5,0-0-1],	[8:0-3-5,0-0-1]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.85 0.75 0.40	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.25 -0.47 0.12	(loc) 11 11-13 8	l/defl >999 >710 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 116 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	 2x4 SP 1650F 1.5E 2x4 SP No.2 2x3 SPF No.2 Left 2x4 SP No.2 - 3 3-8-6 Structural wood she 2-2-0 oc purlins, exc 2-0-0 oc purlins (2-9 Rigid ceiling directly bracing. (size) 2=0-5-8, ξ Max Horiz 2=-50 (LC Max Uplift 2=-303 (L 	3-8-6, Right 2x4 SP athing directly applic ept -3 max.): 4-6. applied or 7-7-12 o 3=0-5-8 2 17) C 8), 8=-303 (LC 9)	3) 4) 5) No.2 6) ed or 7) c 8) LC	Provide adec This truss ha chord live loa All bearings capacity of 5 Provide mec bearing plate joint 2 and 3 This truss is International R802.10.2 a Graphical pu or the orienta bottom chore DAD CASE(S)	quate drainage to as been designed to ach nonconcurrent are assumed to be 65 psi. hanical connection e capable of withst 03 lb uplift at joint designed in accor Residential Code nd referenced star irlin representation ation of the purlin a d. Standard	prevent for a 10.4 with any e SP No. n (by oth canding 3 8. dance w sections ndard AN n does n along the	water ponding O psf bottom other live loa 2 crushing ers) of truss t 803 lb uplift at ith the 2018 5 R502.11.1 a JSI/TPI 1. ot depict the s e top and/or	g. ids. it and size				Weight, Hono	11 - 2078
FORCES	Max Grav 2=1324 (L (lb) - Maximum Com	_C 1), 8=1324 (LC 1 pression/Maximum)										
TOP CHORD	I ension 1-2=-4/0, 2-4=-2782 5-6=-3475/951 6-8=	/720, 4-5=-3475/95 [,] =-2782/720_8-9=-4/(1,										
BOT CHORD WEBS	2-13=-577/2537, 11- 10-11=-588/2531, 8- 4-13=0/290, 4-11=-2	-13=-581/2531, -10=-585/2537 278/1167, 5-11=-625	5/276,										
NOTES	6-11=-278/1167, 6-1	0=0/290										OFA	Alson
 Unbaland this desig Wind: AS Vasd=91 Ke=1.00; exterior z Interior (1 Interior (1 	ed roof live loads have n. CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 I) 4-10 to 7-2-4, Exterior I) 14-00 to 200-912, EX perior (1) 28-00 to 28-1	been considered fo (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) -0-11-0 to 4-1-0, or(2R) 7-2-4 to 14-0 terior(2R) 20-9-12 tt	r De) -0, D r left									STATE SCOTI SEVI	ER DISSOT

Interior (1) 14-0-0 to 20-9-12, Exterior(2R) 20-9-12 to 28-0-0, Interior (1) 28-0-0 to 28-11-0 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

September 27,2024



						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	Plv		AS NOTED FOR PLAN REVIEW
566	11035	Truss Type	Qly	i iy		DEVELOPMENT SERVICES
P240989	A3	Hip	1	1	lob Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 20)24 Print: 8.6	30 S Jul 12 2	2024 MiTek Industries, Inc. We	
		ID:6rJ3G8SVRbA6Zk	pclNbht3zDu	Ys-RfC?PsB	70Hq3NSgPqnL8w3uITXbGK	WrCDoi7J4zJoff



Scale = 1:53.7

Plate Offsets	(X, Y): [2:0-3-13,0-1-5]], [5:0-1-8,0-2-0], [7:	0-1-8,0-2-0	0], [10:0-3-13,0	-1-5]									
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.84 0.67 0.45	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.46 0.11	(loc) 12-14 12-14 10	l/defl >999 >728 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 117 lb	GRIP 197/144 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD	2x4 SP No.2 2x4 SP 1650F 1.5E 2x3 SPF No.2 Left 2x4 SP No.2 2 No.2 2-3-12 Structural wood shea 2-2-0 oc purlins, exc 2-0-0 oc purlins (3-6	2-3-12, Right 2x4 SF athing directly applie ept -6 max.): 5-7.	2) ed or	Wind: ASCE Vasd=91mph Ke=1.00; Cal exterior zone Interior (1) 44 Interior (1) 16 25-10-10, Int cantilever left right exposed for reactions DOI = 1.60	7-16; Vult=115 i; TCDL=6.0psf i: II; Exp C; Enc and C-C Exter 3-9 to 9-2-4, E: 3-3-2 to 18-9-12 erior (1) 25-10- t and right expo t;C-C for memb shown; Lumbe	imph (3-sec f; BCDL=6.0 closed; MW rior(2E) -0-1 xterior(2R) 9 2, Exterior(2 10 to 28-11 sed ; end v bers and for r DOL=1.60	ond gust))psf; h=35ft; FRS (enveloy 1-0 to 4-3-9, 9-2-4 to 16-3 (R) 18-9-12 ti -0 zone; ertical left an ces & MWFF plate grip	pe) -2, o Nd RS						
BOT CHORD	Rigid ceiling directly bracing. (size) 2=0-5-8, 1 Max Horiz 2=-62 (LC Max Uplift 2=-294 (Lt Max Grav 2=1324 (L (lb) Maximum Com	applied or 8-5-2 oc 0=0-5-8 17) C 8), 10=-294 (LC 9 .C 1), 10=1324 (LC pression/Maximum	3) 4) 5) 1) 6)	Provide adec This truss ha chord live loa All bearings a capacity of 50 Provide mect	uate drainage s been designe id nonconcurre are assumed to 65 psi. nanical connec	to prevent v ed for a 10.0 nt with any be SP 165 tion (by othe	vater ponding) psf bottom other live loa 0F 1.5E crus ers) of truss t	g. Ids. Shing						
TOP CHORD	(ib) - Maximum Com Tension 1-2=-4/0, 2-4=-2735/ 5-6=-2365/687, 6-7= 7-8=-2530/690, 8-10	/823, 4-5=-2530/690 2365/687, =-2735/823, 10-11=), 7) 4/0	joint 2 and 29 This truss is 0 International R802.10.2 ar	A lb uplift at joi designed in acc Residential Co	int 10. cordance wi de sections	th the 2018 R502.11.1 a SI/TPI 1.	ind						
BOT CHORD	2-14=-712/2470, 12- 10-12=-710/2470 5-14=-50/437, 7-12= 6-12=-510/202, 4-14 8-12=-135/219	14=-680/2669, -50/437, 6-14=-510 =-135/219,	8) /202, LC	Graphical pu or the orienta bottom chord DAD CASE(S)	rlin representat tion of the purl Standard	in along the	t depict the s top and/or	size			A	ATE OF M	AISSOL	

NOTES

 Unbalanced roof live loads have been considered for this design.



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

						RELEASE F	OR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED	FOR PLAN REVIEW
P240989	A4	Нір	1	1	Job Reference (optional	LEE'S SU	168479937 JMMIT, MISSOURI
Premier Building Supply (Spring)	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:mh5Swt0Mcjya4ol	024 Print: 8.63 KRS1QTImzDu	30 S Jul 12 : uY8-RfC?Ps	2024 MiTek Industries, Inc. We sB70Hq3NSgPqnL8w3uITXbG	d Sep 25 2 84 4/ (WrCDoi7J425C?f	1/2024
F	<u>5-8-6</u> 5-8-6	<u>11-2-4</u> 16-9- 5-5-14 5-7-	- <u>12</u> -8		22-3-10 5-5-14	<u>28-0-0</u> 5-8-6	28-11-0
2 	4 ¹ 3 3x6 = 15 16 3 2 2 x5 = 15 1.3 5-8-6 5-8-6	6x6= x4= x4= 4 x4= 4 3x4= 3x4= 11-1-0 5-4-10 5-10	<u>1-0</u> 1-0	4x6= 5 11 3x8=	3x4 ± 6 10 1.5x4 µ 22-3-10 5-4-10	17 ^{3x6} ≈ 7 <u>28-0-0</u> 5-8-6	8 9 0 8 5x5 II

Scale = 1:54.4

Plate Offsets (X, Y): [1:0-2-8,0-0-1], [8:0-3-5,0-0-1]

Loading	()	psf)	Spacing	2-0-0		CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (1001)	2	25.0	Plate Grip DOL	1.15			0.82	Vert(LL)	-0.17	13-14	>999	240	101120	244/190
TODL	I	0.0		1.15		BC	0.72		-0.32	11-13	>999	180		
BCLL		0.0	Rep Stress Incr	YES		WB	0.40	Horz(CT)	0.11	8	n/a	n/a		
BCDL	1	0.0	Code	IRC201	8/TPI2014	Matrix-S		-					Weight: 120 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2			2)	Wind: ASCE Vasd=91mpł Ke=1.00; Ca	7-16; Vult=115mp n; TCDL=6.0psf; B t. II; Exp C; Enclos	oh (3-sec CDL=6.0 sed; MW	ond gust) Dpsf; h=35ft; FRS (envelop	ce)					
SLIDER	Left 2x4 SP No.2 No.2 2-11-1	o.2 2 0	-11-10, Right 2x4 SP		Interior (1) 5- 16-9-12, Exte	0-0 to 11-2-4, Ext erior(2R) 16-9-12 t	erior(2E) to 23-10	11-2-4 to 10, Interior (²	1)					
BRACING TOP CHORD	Structural woo 2-2-0 oc purlir 2-0-0 oc purlir	od shea ns, exce ns (3-0-	athing directly applied ept 12 max.): 4-5.	or	exposed ; en members an Lumber DOL	d vertical left and d forces & MWFR =1.60 plate grip D	right exp S for rea OL=1.60	osed;C-C for ctions shown	;					
BOT CHORD	Rigid ceiling d bracing.	directly	applied or 7-1-3 oc	3) 4)	This truss ha	luate drainage to plus been designed f	or a 10.0	vater ponding). de					
REACTIONS	(size) 1=1 Max Horiz 1=7 Max Uplift 1=-2 Max Grav 1=1	Mechar 77 (LC ⁻ 240 (LC 1259 (L)	nical, 8=0-5-8 12) C 8), 8=-283 (LC 9) C 1), 8=1325 (LC 1)	5) 6) 7)	Bearings are capacity of 5 Refer to girde	assumed to be: , 65 psi. er(s) for truss to trubanical connection	Joint 8 S uss conr	SP No.2 crush ections.	ning					
FORCES	(lb) - Maximun Tension	n Comp	pression/Maximum	,,	bearing plate	capable of withst	anding 2 8.	40 lb uplift at						
TOP CHORD	1-3=-2806/783 4-5=-2137/719 6-8=-2795/801	3, 3-4=- 9, 5-6=- 1, 8-9=-	-2308/701, -2295/717, -4/0	8)	This truss is International R802.10.2 ar	designed in accord Residential Code nd referenced star	dance w sections	ith the 2018 R502.11.1 a ISI/TPI 1.	nd					
BOT CHORD	1-14=-661/254 11-13=-505/21 8-10=-686/253	43, 13- [,] 138, 10 33	14=-661/2543, -11=-686/2533,	9)	Graphical pu or the orienta bottom chore	rlin representation ation of the purlin a I.	does no along the	ot depict the s top and/or	size				COLOR I	ADD
WEBS	3-14=0/215, 3 4-11=-206/206 6-10=0/212	8-13=-47 6, 5-11=	73/196, 4-13=-10/336 =-12/336, 6-11=-463/´	, LC 194,	DAD CASE(S)	Standard						B	TATE OF A	MISSOLA

NOTES

 Unbalanced roof live loads have been considered for this design.



Tek°

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							RELEASE FOR C	ONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR	PLAN REVIEW
D0 40000							DEVELOPMEN 1684	479938
P240989	A5	Roof Special Girder		1	I	Job Reference (optional	LEE'S SUMMI	T, MISSOURI
Premier Building Supply (Spring	nill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Jul 12 20 ID:4CEWwmk3wf Ikni	24 Print: 8.63 mwKZU?2wz[0 S Jul 12	2024 MiTek Industries, Inc. We PsB70Ha3NSaPanL8w3uITXb	d Sep 25 2:344 GKWrCDo7,544C?f	/2024
					5411110			
0.4	11.0							22.0.9
-0-	2-8-4 6-6-12	10-6-14	17-0-12	18	-8-4	25-2-2	31-10-8	32-9-0
0-1	1-0 2-8-4 3-10-8	4-0-3	6-5-14	1-	7-8	6-5-14	6-8-6	0-11-0



Scale = 1:60.1

Plate Offsets	(X, Y): [2:Edge,0-3-2],	[4:0-9-0,0-2-0], [10:	0-1-9,0-4-0)], [10:Edge,0-2	2-2], [16:0-2-8,0-3-0	0], [18:0	-2-8,0-4-4]							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	0.89 0.84 0.87	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.41 -0.73 0.11	(loc) 16-17 16-17 10	l/defl >921 >515 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 156 lb	GRIP 197/144 142/136 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 *Excep 1.5E 2x6 SP 2400F 2.0E * No.2 2x3 SPF No.2 Right 2x4 SP No.2 Structural wood shea 2-8-2 oc purlins, exc 2-0-0 oc purlins (2-4 Rigid ceiling directly bracing. 1 Row at midpt (size) 2=0-5-8, 1	t* 4-6,7-11:2x4 SP 1 *Except* 15-10:2x6 = • 3-3-13 athing directly applie rept -0 max.): 3-4, 6-7. applied or 7-3-4 oc 4-16, 5-14, 4-18 10=0-5-8	2) 1650F SPF ed or 3) 4) 5) 6)	Wind: ASCE Vasd=91mph Ke=1.00; Ca exterior zone Interior (1) 6- 18-8-4, Exter to 32-9-8 zor vertical left a forces & MW DOL=1.60 pl Provide adec All plates are This truss ha chord live loa Bearings are crushing cap	7-16; Vult=115mpl ; TCDL=6.0psf; BC ; TCDL=6.0psf; BC and C-C Exterior(; 6-12 to 17-0-12, E: ior(2R) 18-8-4 to 2 ior(2R) 18-8-4 t	h (3-sec CDL=6. ed; MW 2E) -0-1 Xterior(2 3-8-4, I and right -C for n shown; revent so ther or a 10. <i>i</i> th any oint 2 SI int 10 S	ond gust))psf; h=35ft; FRS (envelop 1-0 to 6-6-12, tE) 17-0-12 to nterior (1) 23-4 exposed ; enc nembers and Lumber vater ponding, wise indicated 0 psf bottom other live load 2 2400F 2.0E PF No.2	e) 3-4 1 1. 1.	14) In th of th LOAD (1) De Pla Ur Cc	he LOAE he truss CASE(S) ad + Rc ate Incre iform Lc Vert: 1-3 2-10=-2 Norcentra Vert: 3=	CASI are no of Live ase=1 bads (II 3=-70, 0 ted Lo -11 (B)	E(S) section, load ted as front (F) o ndard e (balanced): Lurr .15 b/ft) 3-4=-70, 4-6=-70 ads (Ib)), 18=-60 (B), 22=	s applied to the fa back (B). iber Increase=1.1 , 6-7=-70, 7-11=-7 364 (B)	асе 5, 70,
FORCES TOP CHORD	Max Horiz 2=-87 (LC Max Uplift 2=-526 (L' Max Grav 2=1882 (L (lb) - Maximum Com Tension 1-2=0/2, 2-3=-4336/	: 17) C 8), 10=-314 (LC 9 .C 1), 10=1541 (LC pression/Maximum 1285, 3-4=-3775/115) 7) 1) 8) 57,	crushing cap Provide mec bearing plate joint 2 and 3 This truss is International	acity of 425 psi. hanical connection capable of withsta 14 lb uplift at joint 1 designed in accord Residential Code s	(by oth inding 5 0. lance w sections	ers) of truss to 26 lb uplift at th the 2018 R502.11.1 ar	nd						
BOT CHORD	4-5=-467/2/1218, 5-6 6-7=-2569/751, 7-8= 8-10=-3290/816, 10- 2-18=-1130/3920, 17 16-17=-1868/7030, 1 13-14=-534/2495, 12 10-12=-695/3004	=-2790/782, 2700/738, -11=0/2 7-18=-1879/7055, 14-16=-1055/4377, 2-13=-695/3004,	9) 10	R802.10.2 at Graphical pu or the orienta bottom chorc) Use Simpsor Truss, Single the left end to	nd referenced stand rlin representation ation of the purlin al l. h Strong-Tie HUS2 Ply Girder) or equ connect truss(es)	dard AN does no long the 6 (14-10 ivalent to bacl	ISI/TPI 1. ot depict the si top and/or Gd Girder, 6-16 at 3-9-12 from t face of bottor	ze 6d m				STATE OF M	AISSOLAL	λ
WEBS NOTES 1) Unbalanc this desig	3-18=-397/1577, 4-1 4-16=-2743/840, 5-1 5-14=-1929/553, 6-1 7-14=-139/406, 7-13 8-13=-624/232, 8-12 ed roof live loads have n.	/=-263/154, 6=-197/1009, 4=-123/580, ==40/334, ==0/228, 4-18=-3396 been considered for	11 12 /813 13	chord.) Fill all nail hc) "NAILED" inc per NDS guid) Hanger(s) or provided suff down and 12 design/selec responsibility	les where hanger i dicates Girder: 3-10 delines. other connection c icient to support cc 8 lb up at 2-8-4 or tion of such connect of others.	s in cor d (0.14 device(s oncentra o bottom ction de	tact with lumb 8" x 3") toe-na) shall be ted load(s) 75 o chord. The vice(s) is the	er. ails 5 Ib				PE-20010	L ENGL	

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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)

September 27,2024

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

						R	ELEASE FOR CON	STRUCTION
Job	Truss	Truss Type		Qty	Ply	ŕ	AS NOTED FOR PLA DEVELOPMENT S	AN REVIEW ERVICES
P240989	A6	Roof Special		1	1 Job Refere	nce (optional)	168479 LEE'S SUMMIT, M	939 ISSOURI
Premier Building Supply (Springhill, KS), Spring Hills, KS	- 66083,	Run: 8.63 ID:2mcZvJ	S Jul 12 2024 Print: 8.63 IVm61hl1uHjtts?rjzDuol-F	30 S Jul 12 2024 MiTek Ind RfC?PsB70Hq3NSgPqnL8	lustries, Inc. Wed Sep 25 w3uITXbGKWr Doi7J4zJ	2 01/11/2	2024
	-0-11-0 4-8-4	8-6-12	13-2-0	17-10-8	22-6-15	27-1-10	31-10-8	32-9-8
	0-11-0 4-8-4	3-10-8	4-7-5	4-8-7	4-8-7	4-6-11	4-8-14	0-11-0
					4x4 II 7			
$\begin{array}{c c} & 5.4-0 \\ \hline & 5.2-12 \\ \hline & 2-1\cdot3 \\ \hline & 2-1\cdot3 \\ \hline & 2-1\cdot3 \\ \hline & 3-1\cdot4 \\ \hline & 0-8-0 \\ \hline & 0-1\cdot9 \\ \hline \end{array}$	4 ¹² 3x6 = 3 0 - 2 1 192 6x6 =	4x8= 5x8 04 5 18 17	40 6 16	x6 =	14	3x4z 8 1. 13	5x4 = 9 21 3x6 = 9 10	11 12 6x6 #
	4-7-0	8-8-0	0-11-12	17-10-8	24-0-4	0,4=	31-10-8	

6-10-12

6-10-12

7-1-4

Scale = 1:60.2

4-7-0

4-1-0

2-3-12

Plate Offsets	(X, Y): [2:0-4-5,Edge], [4:	:0-4-4,0-0-12], [5:0	-4-0,0-2-0], [11:0-3-13,0	-1-5], [17:0-2-8,0-1	1-8]							
Loading TCLL (roof) TCDL BCLL BCDL	(psf) S 25.0 F 10.0 L 0.0 F 10.0 C	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	1.00 0.91 0.69	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.35 -0.66 0.16	(loc) 14-16 14-16 11	l/defl >999 >578 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 138 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING	2x4 SP 1650F 1.5E *Ex No.2 2x4 SP 1650F 1.5E *Ex No.2 2x3 SPF No.2 Left 2x4 SP No.2 2-4 2-5-7	Wind: ASCE Vasd=91mph Ke=1.00; Ca exterior zone Interior (1) 4- Interior (1) 8- 22-6-15, Inte left and right exposed;C-C reactions sho	ⁱ ind: 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) terior one and C-C Exterior(2E) -0-11-0 to 4-1-0, terior (1) 4-1-0 to 4-8-4, Exterior(2E) 4-8-4 to 8-6-12, terior (1) 8-6-12 to 17-10-8, Exterior(2R) 17-10-8 to 2-6-15, Interior (1) 22-6-15 to 32-9-8 zone; cantilever ft and right exposed; end vertical left and right xposed;C-C for members and forces & MWFRS for eactions shown; Lumber DOL=1.60 plate grip										
BOT CHORD WEBS REACTIONS	Structural wood sheath 1-9-11 oc purlins, exce 2-0-0 oc purlins (2-0-3 Rigid ceiling directly ap bracing. 1 Row at midpt 6 (size) 2=0-5-8, 11= Max Horiz 2=-94 (LC 13 Max Uplift 2=-308 (LC 8 Max Grav 2=1498 (LC	ning directly applied apt max.): 4-5. oplied or 2-2-0 oc 14 =0-5-8 3) 8), 11=-277 (LC 9) 1), 11=1498 (LC 1)	3) 4) 5) 6)	 reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 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. Bearings are assumed to be: Joint 2 SP 1650F 1.5E crushing capacity of 565 psi, Joint 11 SP No.2 crushing capacity of 565 psi. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at 									
FORCES	(lb) - Maximum Compre Tension 1-2=-4/0, 2-4=-3306/84 5-6=-4045/1006, 6-7=-/ 7-8=-2444/645, 8-9=-3(0, 14=-2480/777, 11, 12	ession/Maximum 47, 4-5=-4823/1243 2442/653, 031/720, 2 = 4/0	7) 3, 8)	 joint 2 and 277 lb uplift at joint 11. 7) 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. 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or 									
BOT CHORD	2-18=-728/3016, 17-18 16-17=-1139/4776, 14- 13-14=-594/2752, 11-1		LC	DOTTOM CHORE	Standard						Å	STATE SCOTT	M. M.
WEBS	4-18=0/173, 4-17=-464 7-14=-258/1214, 6-14= 6-16=-217/1057, 5-16= 8-14=-649/223, 8-13=0	4/2000, 5-17=-838/2 =-1182/360, =-1260/402, D/268, 9-13=-114/14							×		SEVI	ER LEVER	
NOTES	od roof live loads heve he	on considered for									87	PE-20010	018807

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

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



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September 27,2024

							RELEASE FOR CO	NSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR P	LAN REVIEW
P240989	A7	Roof Special		1	1	Job Reference (optional	LEE'S SUMMIT,	79940 MISSOURI
Premier Building Supply (Spring	nill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Jul 12 20 ID:hLsX_EryHxLB0L?	024 Print: 8.63 14TuoWrzDur	30 S Jul 12 : nr-RfC?PsB	2024 MiTek Industries, Inc. We 70Hq3NSgPqnL8w3uITXbGK	d Sep 25 2 84 42 1	2024
-0-1	1-0 6-8-4	10-6-12	17-10-8		1	25-1-0	31-10-8	32-9-8



Scale = 1:59.8

Vate Offsets (X, Y): [2:0-3-13,0-1-5], [5:0-4-0,0-2-0], [9:0-3-13,0-1-5], [14:0-2-8,0-1-8]													
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	0.94	Vert(LL)	-0.31	12-14	>999	240	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.60	12-14	>634	180	MT18HS	244/190	
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.16	9	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 141 lb	FT = 20%	

TOP CHORD	2x4 SP 1650F 1.5E *Except* 4-5:2x4 SP	2)	Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ka=1.00; Cat. II: Exp.C: Enclosed: MWEPS (anyelopa)
3OT CHORD WEBS SLIDER	N0.2 2x4 SP 1650F 1.5E 2x3 SPF No.2 *Except* 12-5:2x4 SP No.2 Left 2x4 SP No.2 3-5-4, Right 2x4 SP No.2 3-6-9		exterior zone and C-C Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 6-8-4, Exterior(2E) 6-8-4 to 10-6-12, Interior (1) 10-6-12 to 17-10-8, Exterior(2R) 17-10-8 to 22-10-8, Interior (1) 22-10-8 to 32-9-8 zone; cantilever
BRACING TOP CHORD	Structural wood sheathing directly applied, except		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
30T CHORD	Rigid ceiling directly applied or 7-5-4 oc bracing.	3) 4)	Provide adequate drainage to prevent water ponding. All plates are MT20 plates unless otherwise indicated.
WEBS	1 Row at midpt 5-12, 7-12	5)	This truss has been designed for a 10.0 psf bottom
REACTIONS (size) 2=0-5-8, 9=0-5-8 Max Horiz 2=-94 (LC 13) Max Uplift 2=-308 (LC 8), 9=-276 (LC 9) Max Grav, 2=1498 (LC 1) 9=1498 (LC 1)	6) 7)	All bearings are assumed to be SP 1650F 1.5E crushing capacity of 565 psi. Provide mechanical connection (by others) of truss to
FORCES	(lb) - Maximum Compression/Maximum Tension	0)	joint 2 and 276 lb uplift at joint 9.
TOP CHORD	1-2=-4/0, 2-4=-3268/831, 4-5=-4064/1069, 5-6=-2508/664, 6-7=-2499/655,	0)	International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3OT CHORD	7-9=-3250/7/5, 9-10=-4/0 2-15=-696/2982, 14-15=-699/2977, 12-14=-939/4039, 11-12=-658/2969,	9)	Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
NEBS	9-11=-058/2969 4-15=0/205, 4-14=-297/1288, 5-14=-600/232, 5-12=-1842/522, 6-12=-164/1020, 7-12=-818/270, 7-11=0/273	LO	AD CASE(S) Standard

SCOTT M. SEVIER NUMBER PE-2001018807 September 27,2024

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

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	A8	Roof Special	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI



Scale = 1:60.9

Plate Offsets (X, Y): [2:0-3-13,0-1-5]], [10:0-3-13,0-1-5]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	8/TPI2014	CSI TC BC WB Matrix-S	0.70 0.93 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.50 0.16	(loc) 13-15 13-15 10	l/defl >999 >766 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 139 lb	GRIP 197/144 FT = 20%
LUMBER 2 TOP CHORD 2x4 SP 1650F 1.5E *Except* 5-6,6-7:2x4 SP 2 BOT CHORD 2x4 SP No.2 2 BOT CHORD 2x4 SP No.2 2 WEBS 2x3 SPF No.2 2 SLIDER Left 2x4 SP No.2 2-2-2, Right 2x4 SP No.2 4-0-8 2 BRACING TOP CHORD Structural wood sheathing directly applied or 2-10-11 oc purlins, except 2-0-0 oc purlins (2-11-10 max.): 5-6. 3 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. 4 WEBS 1 Row at midpt 6-13, 8-13 REACTIONS (size) 2=0-5-8, 10=0-5-8 5 Max Horiz 2=-94 (LC 13) 6 Max Uplift 2=-308 (LC 8), 10=-274 (LC 9) 6 Max Grav 2=1498 (LC 1), 10=1498 (LC 1) 7 FORCES (lb) - Maximum Compression/Maximum 7				Wind: ASCE Vasd=91mpl Ke=1.00; Cat exterior zone Interior (1) 42 Interior (1) 12 22-10-8, Inte left and right exposed;C-C reactions she DOL=1.60 Provide adec This truss ha chord live loa All bearings a capacity of 5 Provide mecl bearing plate joint 2 and 22	7-16; Vult=115mp n; TCDL=6.0psf; B t. II; Exp C; Enclos and C-C Exterior 0-9 to 8-8-4, Exte 2-6-12 to 17-10-8, rior (1) 22-10-8 to exposed ; end ver c for members and own; Lumber DOL quate drainage to p s been designed f ad nonconcurrent are assumed to be 65 psi. hanical connectior o capable of withst 74 lb uplift at joint	bh (3-sec CDL=6.0 sed; MW (2E) -0- rior(2E) Exterior 32-9-8 2 =1.60 pl prevent 1 for a 10.0 with any SP No. h (by oth anding 3 10.	ond gust) Dpsf; h=35ft; FRS (envelop 1-0 to 4-0-9, 3-8-4 to 12-6- (2R) 17-10-8 one; cantilev and right & MWFRS for ate grip vater ponding 0 psf bottom other live loa 2 crushing ers) of truss t 08 lb uplift at	oe) -12, to er g. ds. o					
FORCES	(lb) - Maximum Com Tension 1-2=-4/0, 2-4=-3144/ 5-6=-3426/938, 6-7=	pression/Maximum /864, 4-5=-3052/788 2464/680,	7) 8, 8)	This truss is International R802.10.2 ar Graphical pu	designed in accord Residential Code and referenced star rlin representation	dance w sections ndard AN ndoes no	th the 2018 R502.11.1 a SI/TPI 1. ot depict the s	nd					
BOT CHORD	7-8=-2475/666, 8-10 2-16=-746/2842, 15- 13-15=-785/3413, 12 10-12=-656/2944)=-3221/778, 10-11= -16=-629/2874, 2-13=-656/2944,	-4/0 LC	or the orientation of the purlin along the top and/or bottom chord. DAD CASE(S) Standard									
WEBS	5-16=0/251, 5-15=-2 7-13=-217/1105, 6-1 8-13=-806/258, 8-12	207/708, 6-15=-395/ 3=-1325/394, 2=0/288, 4-16=-36/10	169, 62							_		ST SCOTI SEVI	ER
NOTES 1) Unbalance	ed roof live loads have	been considered for	r								80t	+15	ling

this design.



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September 27,2024

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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 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply 1		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES 168479942
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 ID:me3VfLM?_m2C	2024 Print: 8.6 PA4vPP0nPp	530 S Jul 12 2 zDvCl-RfC?P	Job Reference (optional 2024 MiTek Industries, Inc. We SB70Hq3NSgPqnL8w3uITXb(d Sep 2512694711/2024



Scale = 1:63.5

-													
Plate Offsets	(X, Y): [5:0-2-8,0-2-0], [[11:0-3-13,0-1-5], [1	4:0-4-0,0-2	2-4], [16:0-3-4	Edge], [19:0-2-8	,0-1-8]				-			
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	0.98 0.90 0.87	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.51 -0.94 0.22	(loc) 17-19 17-19 11	l/defl >754 >407 n/a	L/d 240 180 n/a	PLATES MT18HS MT20 Weight: 145 lb	GRIP 244/190 244/190 FT = 20%
			1)	Unbalanced	roof live loads h	ave been o	considered fo	r					
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 *Except 1.5E 2x4 SP 2400F 2.0E * No.2, 15-11:2x4 SP N 1650F 1.5E 2x3 SPF No.2 *Except No.2 Right 2x4 SP No.2 Structural wood sheat except end verticals, (2-8-7 max.): 1-2, 4-5 Rigid ceiling directly at bracing. 1 Row at midpt 2 (size) 11=0-5-8, 2 Max Horiz 20=-120 (L Max Uplift 11=-274 (L Max Grav 11=1493 (I (lb) - Maximum Comp	* 2-4:2x4 SP 1650F Except* 6-15:2x3 SI No.2, 18-16:2x4 SP pt* 20-1,20-2:2x4 SP 2-4-4 athing directly applie and 2-0-0 oc purlins 5. applied or 6-0-0 oc 2-20 20= Mechanical _C 13) _C 9, 20=-265 (LC & LC 1), 20=1427 (LC pression/Maximum	1) 2) PF d, 5 (3) (4) 5) (6) (3) (7) (1) (8) (9) (9)	Unbalanced this design. Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Interior (1) 4 14-6-12, Inte 17-10-8 to 2: cantilever led right expose for reactions DOL=1.60 Provide aded All plates are The Fabricat This truss ha chord live loa Bearings are crushing cap Refer to gird Provide mec	roof live loads have 7-16; Vult=115n r; TCDL=6.0psf; t. II; Exp C; Encl e and C-C Exterior 2-4 to 10-8-4, E rior (1) 14-6-12 the 2-6-15, Interior (1) t and right expose d;C-C for member shown; Lumber quate drainage to e MT20 plates ur ion Tolerance at is been designed ad nonconcurren e assumed to be: acity of 565 psi. er(s) for truss to hanical connecti	ave been of nph (3-sec BCDL=6.0 osed; MW or(2E) 0-1- xterior(2E) to 17-10-8 1) 22-6-15 sed; end v ers and for DOL=1.60 to prevent v less other joint 16 = joint 11 truss conr on (by oth)	considered for ond gust) Dpsf; h=35ft; FRS (envelo 12 to 4-2-4, 10-8-4 to Exterior(2R) to 32-9-8 zo ertical left ar ces & MWFF p plate grip vater ponding wise indicate 12% 0 psf bottom other live loa SP No.2 ections. ers) of truss (pe)) ne; nd RS g. dd. dds.					
TOP CHORD	Tension 1-20=-222/108, 1-2=- 2-3=-6419/1604, 3-4= 4-5=-3553/939, 5-6=- 6-7=-3347/919, 7-8=- 8-9=-3022/741, 9-11= 19-20=-1367/5947, 11 16-17=-887/3898, 15 6-16=-34/137, 14-15= 200/2710, 200/2700, 200/2710, 20	-486/135, =-3799/974, -3450/927, -2429/676, =-3172/784, 11-12=: 7-19=-1009/4340, :-16=-57/0, =-48/119, -4007/00270	9) 10 -4/0 11 LC	 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 20 and 274 lb uplift at joint 11. 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 0 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 10 CAD CASE(S) Standard 									MISSOLUR T.M. ER
WEBS	13-14=-623/2740, 11 2-20=-5560/1348, 4-1 5-16=-1356/417, 7-16 7-14=-826/195, 14-16 8-14=-647/223, 8-13= 5-17=-425/150, 2-19= 3-17=-861/309, 3-19=	-13=-667/2870 17=-158/883, 6=-60/2536, 6=-472/2509, =0/275, 9-13=-109/1 =-1076/349, =-466/2007	48,	(-)							and the second s	PE-20010	L ENGINE

September 27,2024

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						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qtv	Plv		AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES 168479943
P240989	A10	Roof Special	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI





Scale = 1:63.5

									-	-			
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	0.92	Vert(LL)	-0.39	17-18	>976	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15		BC	0.93	Vert(CT)	-0.72	17-18	>526	180	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES		WB	0.98	Horz(CT)	0.19	11	n/a	n/a		
BCDL	10.0	Code	IRC2018	/TPI2014	Matrix-S							Weight: 147 lb	FT = 20%
			2)	Wind: ASCE	7-16: Vult=115mph	(3-sec	cond aust)						
TOP CHORD	2x4 SP No 2 *Excep	t* 3-4·2x4 SP 1650F	_,	Vasd=91mph	; TCDL=6.0psf; BC	DL=6.	Opsf; h=35ft;						
	1.5E			Ke=1.00; Cat	II; Exp C; Enclose	d; MW	FRS (envelo	pe)					
BOT CHORD	2x4 SP 1650F 1.5E	*Except* 5-15:2x3 SF	۶F	exterior zone	and C-C Exterior(2	2E) 0-1	-12 to 5-1-12	,					
	No.2, 15-11:2x4 SP	No.2		Interior (1) 5-	1-12 to 12-8-4, Ext	erior(21	E) 12-8-4 to						
WEBS	2x3 SPF No.2 *Exce	pt* 19-1:2x4 SP No.2	2	16-6-12, Inte	rior (1) 16-6-12 to 1	7-10-8	, Exterior(2R))					
SLIDER	Right 2x4 SP No.2	- 3-3-6		17-10-8 to 22	2-10-8, Interior (1) 2	2-10-8	to 32-9-8 zor	ne;					
BRACING				cantilever left	and right exposed	; end \	ertical left an	d					
TOP CHORD	Structural wood shea	athing directly applied	ł,	for reactions	a;C-C for members			(5					
	except end verticals	, and 2-0-0 oc purlins			snown, Lumber DC	L=1.00	plate grip						
	(2-3-6 max.): 1-3, 4-	8.	3)	Provide adeo	wate drainage to pr	event	water ponding	r					
BOT CHORD	Rigid ceiling directly	applied or 2-2-0 oc	4)	All plates are	MT20 plates unles	s other	wise indicate	d.					
WERS	1 Pow at midat	2 17	5)	This truss ha	s been designed fo	r a 10.0) psf bottom						
DEACTIONS		10 Machanical	,	chord live loa	d nonconcurrent w	ith any	other live loa	ds.					
REACTIONS	(SIZE) 11=0-3-0, Max Horiz 19-122 (6)	Bearings are	assumed to be: , J	oint 11	SP No.2						
	Max Inlift 11-271 (LC 13) I C 0) 10266 (I C 8	3	crushing cap	acity of 565 psi.								
	Max Grav 11-1493	(I C 1) 19–1427 (I C	7) 1) 7)	Refer to girde	er(s) for truss to trus	ss conr	nections.						
FORCES	(lb) Maximum Com		'' 8)	Provide mech	nanical connection	(by oth	ers) of truss t	0					
FURCES	(ib) - Maximum Com Tension	pression/maximum		bearing plate	capable of withsta	nding 2	1 Ib uplift at						
TOP CHORD	1-19=-132/70 1-2=-	106/41 2-3=-5143/12	276 ο\	Joint Trand 2	designed in accord	19.	ith the 2019						
	3-4=-3366/880. 4-5=	-3125/865.	, 9)	International	Residential Code s	arice w	R502 11 1 a	nd					
	5-6=-3209/905, 6-8=	-3083/932, 6-7=-197/	/26,	R802 10 2 ar	nd referenced stanc	lard AN	ISI/TPI 1						
	7-8=-204/47, 8-9=-20	642/727,	10)	Graphical pu	rlin representation of	does no	ot depict the s	size				CON	1000
	9-11=-3235/791, 11-	-12=-4/0	- /	or the orienta	tion of the purlin al	ong the	top and/or					S OF M	AIS S
BOT CHORD	18-19=-691/2949, 17	7-18=-1140/5075,		bottom chord	l. ·	0					4	7 50	N.O.
	16-17=-710/3223, 15	5-16=0/44,	LO	AD CASE(S)	Standard						8	SCOTT	M NON
	5-16=-350/133, 14-1	5=-31/123,									R	SCOTT	
	13-14=-6/4/2946, 1	1-13=-6/4/2946									Ra		
WEBS	3-18=-871/301, 3-17	=-1970/480, 276/04_8-14410/1	61							(-10-		0
	14-16=-539/2466 8-	-16=-255/1169	01,								x	totto ·	Sarnes
	2-18=-517/2388. 2-1	9=-3090/875.								-	50	NUM	SIDK AND
	9-14=-619/206, 9-13	3=0/249									N	ON PE-20010	18807
NOTES											N.	1 and	ISA
1) Unbalance	ed roof live loads have	been considered for										1320	ENO'S
this desigr	າ.											ONA	LEY
												Un	

 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)

Plate Offsets (X, Y): [3:0-3-12,Edge], [7:0-2-0,Edge], [8:0-6-4,0-2-0], [11:0-3-13,0-1-5], [18:0-2-8,0-1-8], [19:0-4-8,0-2-0]

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September 27,2024

					RELEASE FOR CONSTRUCTION			
Job	Truss	Truss Type	Qty Ply		AS NOTED FOR PLAN REVIEW			
P240989	A11	Roof Special	1 1	Job Reference (optional	LEE'S SUMMIT, MISSOURI			
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:_uFmmYPVKN7?	2024 Print: 8.630 S Jul TVc6zY?6xFzDv74-Rf	12 2024 MiTek Industries, Inc. We C?PsB70Hq3NSgPqnL8w3uITXb	d Sep 25 27 344/1 1/269 24			
	o. 4	17-	-2-4		22.0.0			
1- - 1-	2-4 4-8-4 8-2-4 2-4 3-6-0 3-6-0	<u>+ 14-8-4 16-3-4</u> - 6-6-0 1-7-0 -1-7-0 -1	<u>22-1-9</u> 4-11-5	<u>26-6-3</u> 4-4-10	<u>31-10-8</u> 5-4-5 0-11-0			
		01	4.0					



Scale = 1:62.4

Plate Offsets	(X, Y): [4:0-4-12,Edge],	[12:0-3-13,0-1-5], [7	17:0-5-8,0	0-6-0], [19:0-2-	8,0-1-8], [21:0-4-8	3,0-1-8]								
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	0.85 0.89 0.86	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.35 -0.63 0.23	(loc) 17-18 18-19 12	l/defl >999 >604 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 151 lb	GRIP 197/144 FT = 20%	
			N	OTES										
TOP CHORD	2x4 SP No.2 *Except* 1.5E 2x4 SP 1650F 1.5E *E	[•] 4-5:2x4 SP 1650F Except* 6-16:2x3 SF	1) PF 2)	Unbalanced this design. Wind: ASCE	roof live loads ha 7-16; Vult=115m	ve been o ph (3-seo	considered fo	r						
WEBS	No.2, 16-12:2x4 SP No 2x3 SPF No.2 *Except No.2	lo.2 t* 15-17,21-1:2x4 S	Р	Vasd=91mp Ke=1.00; Ca exterior zone	h; TCDL=6.0psf; I at. II; Exp C; Enclo and C-C Exterio	BCDL=6.0 sed; MW r(2E) 4-1	Dpsf; h=35ft; FRS (envelop -12 to 5-2-4,	pe)						
BRACING	Right 2x4 SP No.2 2	2-9-7		18-8-4, Exte	rior(2E) 18-8-4 to	21-2-4, E	Exterior(2R)							
TOP CHORD	Structural wood sheat 2-2-0 oc purlins, exce 2-0-0 oc purlins (2-7-9	thing directly applied ept end verticals, an 9 max.): 2-4, 5-7.	d or d	21-2-4 to 26 cantilever le right expose	-1-9, Interior (1) 2 ft and right expose d;C-C for membe	6-1-9 to 3 ed ; end v rs and for	86-9-8 zone; vertical left an ces & MWFF	ld RS						
BOT CHORD	Rigid ceiling directly a	applied or 6-0-0 oc		for reactions DOL=1.60	shown; Lumber [DOL=1.60) plate grip							
WEBS REACTIONS FORCES TOP CHORD BOT CHORD	1 Row at midpt 4. (size) 12=0-5-8, 2 Max Horiz 21=-127 (LC Max Uplift 12=-300 (LC Max Grav 12=1493 (L (lb) - Maximum Compu Tension 1-2=-744/181, 2-3=-71 3-4=-4291/1043, 4-5=: 5-6=-2733/758, 6-7=-2 7-8=-2382/662, 8-10=: 10-12=-3182/785, 12- 1-21=-1483/317 20-21=-57/142, 19-20: 18-19=-903/4252, 17-	-18, 7-15, 3-20 21= Mechanical C 13) C 9), 21=-263 (LC 8 C 1), 21=1427 (LC ression/Maximum 15/183, -2967/764, 2809/775, -2990/737, 13=-4/0, =-591/2795, 18=-564/2852,	3) 4) 5) 5) 1) 6) 7) 8) 8) 9)	Provide ade This truss ha chord live lo Bearings are crushing cap Refer to gird Provide mec bearing platt joint 12 and This truss is International R802.10.2 a Graphical pu or the orient bottom chore	quate drainage to as been designed ad nonconcurrent e assumed to be: pacity of 565 psi. ler(s) for truss to t chanical connectic e capable of withs 263 lb uplift at join designed in acco Residential Code nd referenced sta urlin representatio ation of the purlin d. Standard	prevent 1 for a 10.0 with any , Joint 12 russ conr on (by oth tanding 3 nt 21. rdance we e sections indard AN n does no along the	water ponding) psf bottom other live loas SP No.2 nections. ers) of truss t io0 lb uplift at ith the 2018 i R502.11.1 a ISI/TPI 1. of depict the se top and/or	g. ds. o ind size				STATE OF M	MISSOUR T.M. ER	
WEBS	16-17=-117/0, 6-17=-1 15-16=-38/179, 14-15: 12-14=-658/2883 2-20=0/102, 4-19=-71 5-18=-55/504, 6-18=-4 15-17=-645/3320, 7-1 7-15=-2053/452, 1-20: 3-19=-376/1703, 3-20: 8-15=-643/220, 8-14=-	121/455, =-600/2702, 1/274, 4-18=-1576/: 441/91, 7=-510/2511, =-312/1447, =-2374/659, -6/296, 10-14=-134,	393, /153		Gandaru							PE-2001 September	27.2024	7



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVEL OPMENT SERVICES
P240989	A12	Roof Special	1	1	Job Reference (optional	I68479945 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springl	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:6UeOmENJFGKW	024 Print: 8.6 hylgD3y5jKz	30 S Jul 12 Dv5p-RfC?F	2024 MiTek Industries, Inc. We SB70Hq3NSgPqnL8w3uITXb0	d Sep 2512694711/2924
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>19-1-3</u> 2-9-15 5x4 II <u>22</u> 5x4 II <u>19-2-7</u> 3-0-7	23- 4-2 4x6 II 7 14 5x8 =	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 31 \cdot 10 \cdot 8 & 32 \cdot 9 \cdot 8 \\ 4 \cdot 1 \cdot 9 & 0 \cdot 11 \cdot 0 \end{array}$

Scale = 1:64.2

Plate Offsets (X, Y): [11:0-3-13,0-1-5], [16:0-2-12,Edge], [19:0-4-8,0-1-8]

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 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()18/TPI2014	CSI TC BC WB Matrix-S	0.99 0.86 0.87	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.29 -0.54 0.15	(loc) 16-17 16-17 11	l/defl >999 >707 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 146 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No Right 2x4 SF Structural w except end v (2-9-1 max.) Rigid ceiling bracing.	2 2 *Except 2 *Except > No.2 ood shea verticals,): 2-4, 5-7 directly	t* 6-15:2x3 SPF No. pt* 19-1:2x4 SP No. 2-1-9 athing directly applie and 2-0-0 oc purlin 7. applied or 7-0-12 oc	2 2 ed, s c	 Wind: ASC Vasd=91m Ke=1.00; C exterior zor Exterior(2R 16-9-4, Ext to 23-1-3, E 28-1-3 to 36 end vertical forces & M DOL=1.60 Provide add 	E 7-16; Vult=115mp bh; TCDL=6.0psf; B at. II; Exp C; Enclos le and C-C Exterior.) 7-1-4 to 12-1-4, In erior(2R) 23-1-3 t 5-9-8 zone; cantilev left and right expos VFRS for reactions oblate grip DOL=1.60 equate drainage to p	oh (3-see CDL=6. sed; MW (2E) 4-1 terior (1 21-9-4, I o 28-1-3 er left ar sed;C-C shown;) prevent	cond gust) Dpsf; h=35ft; FRS (envelc 12 to 7-1-4,) 12-1-4 to hterior (1) 2 ⁻¹ i, Interior (1) dd right expo for members Lumber water pondir	ope) 1-9-4 osed ; s and ng.					
REACTIONS	(size) 1 Max Horiz 19 Max Uplift 1 Max Grav 1	1=0-5-8, 9=-115 (l 1=-310 (l 1=1493 (19= Mechanical _C 13) _C 9), 19=-276 (LC LC 1), 19=1427 (LC	8) 21)	 This truss h chord live k Bearings ar crushing ca 	as been designed f bad nonconcurrent v e assumed to be: , pacity of 565 psi.	or a 10. with any Joint 11) psf bottom other live los SP No.2	ads.					
FORCES	(lb) - Maximu Tension 1-2=-1534/4 3-4=-3691/9 5-6=-3242/9 7-8=-2585/7 9-11=-3142/	um Com 00, 2-3= 73, 4-5= 20, 6-7= 38, 8-9= 800, 11-	pression/Maximum -1427/402, -3850/1033, -3226/918, -3042/778, 12=-4/0, 1-19=-141;	3/400	 Refer to gir Provide me bearing plar joint 11 and This truss is Internationa 8802 10 2 	der(s) for truss to tru chanical connectior te capable of withsta 276 lb uplift at joint s designed in accorr al Residential Code	uss conr anding 3 t 19. dance w sections	ections. ers) of truss 10 lb uplift a ith the 2018 R502.11.1	to at and					
BOT CHORD	18-19=-58/1 16-17=-667/ 6-16=-339/1 13-14=-670/	27, 17-1 3041, 15 61, 14-1 2801, 11	8=-642/2812, -16=0/32, 5=-33/73, -13=-692/2836		9) Graphical p or the orien bottom cho	urlin representation tation of the purlin a rd.	does no	ot depict the top and/or	size				TE OF M	AISSO
WEBS	2-18=-15/26 14-16=-520/ 7-14=-430/1 3-17=-215/1 8-14=-516/1 5-17=-216/1	5, 4-17= 2481, 7- 17, 1-18 081, 3-1 93, 8-13 019, 5-1	-1318/384, 16=-305/1290, =-422/1649, 8=-1713/501, =0/220, 9-13=-8/159 6=-108/451	9,										ER ER
NOTES 1) Unbalance this design	ed roof live loa ı.	ds have	been considered for	r								AN AN	PE-20010	L ENGLISH



September 27,2024

					RELEASE FOR CONSTRUCTION			
Job	Truss	Truss Type	Qty PI	ly	AS NOTED FOR PLAN REVIEW			
P240989	A13	Roof Special	1 1	Job Reference (optional	LEE'S SUMMIT, MISSOURI			
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul ⁻ ID:xj6MIYHkq?f0.	12 2024 Print: 8.630 \$ ZKyuYcHSjxzDv4f-Rf	S Jul 12 2024 MiTek Industries, Inc. We iC?PsB70Hq3NSgPqnL8w3uITXbGKW	d Sep 25 2694/11/269:24 CDoi7J42JCH/11/269:24			
	1-2-4 4-8-4 	8-2-4 10-10-4 16-3-4 3-6-0 2-8-0 5-5-0	21-0-4	<u>25-9-12</u> 4-9-8	<u>31-10-8</u> 6-0-12 <u>0-11-0</u>			



Scale =	1:64.6
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Plate Offsets (X, Y): [4:0-4-0,0-2-0],	[5:0-1-8,0-2-0], [10:0	0-3-13,0-1	-5], [13:0-5-12,	0-2-4], [15:0-	8-4,0-3-8], [17	7:0-2-8,0-1-8], [19:0-4	4-8,0-1-8	3]			
Plate Offsets (Loading TCLL (roof) TCDL BCDL LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	X, Y): [4:0-4-0,0-2-0], (psf) 25.0 10.0 0.0 10.0 2x4 SP No.2 2x4 SP 1650F 1.5E * No.2, 14-10:2x4 SP I 2x3 SPF No.2 *Exce Right 2x4 SP No.2 Structural wood shee 2-2-0 oc purlins, exc 2-0-0 oc purl	[5:0-1-8,0-2-0], [10: Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code Except* 6-14:2x3 SI No.2 pt* 19-1:2x4 SP No.: 3-2-9 athing directly applie cept end verticals, ar -0 max.): 2-4, 5-7. applied or 7-2-0 oc 3-18	2-3-13,0-1 2-0-0 1.15 1.15 1.15 YES IRC20112 2) PF 2 d or nd 3) 4)	5], [13:0-5-12, B/TPI2014 Wind: ASCE Vasd=91mpl Ke=1.00; Ca exterior zone Exterior(2R) 14-10-4, Ext 19-10-4 to 22 Interior (1) 22 right exposed for members Lumber DOL Provide adec All plates are	0-2-4], [15:0- CSI TC BC WB Matrix-S 7-16; Vult=11 x; TCDL=6.0p t. II; Exp C; E and C-C Ext 5-2-4 to 10-2 error(2R) 14-1 5-0-4, Exterio 0-9-12 to 36-5 d; end vertica and forces & =1.60 plate g µuate drainag MT20 plates	8-4,0-3-8], [17 0.88 0.82 0.94 15mph (3-sec ssf; BCDL=6.0 nclosed; MWi terior(2E) 4-1- 4, Interior (1) r(2R) 25-0-4 t 0-8 zone; cant al left and righ MWFRS for rip DOL=1.60 e to prevent v s unless other	7:0-2-8,0-1-8 DEFL Vert(LL) Vert(CT) Horz(CT) Horz(CT) More that the state of the state], [19:0-4 in -0.39 -0.71 0.20 pee) d -C cown; g. d.	4-8,0-1-8 (loc) 15-16 15-16 10	8] /defl >986 >534 n/a	L/d 240 180 n/a	PLATES MT20 MT18HS Weight: 145 lb	GRIP 197/144 197/144 FT = 20%
FORCES	(size) 10=0-5-8, Max Horiz 19=-103 (I Max Uplift 10=-323 (I Max Grav 10=1493 ((lb) - Maximum Com Tension 1-2=-742/176, 2-3=-7 3-4=-4242/1040, 4-5 5-6=-3497/910, 6-7= 7-8=-2799/737, 8-10	19= Mechanical _C 13) _C 9), 19=-286 (LC 8 LC 1), 19=1427 (LC pression/Maximum 712/177, =-3730/947, -4207/1095, =-3214/789, 10-11=:	5) 8) 1) 7) 8) 9) -4/0.	 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. Bearings are assumed to be: , Joint 10 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 323 lb uplift at joint 10 and 286 lb uplift at joint 19. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and 									
BOT CHORD	1-19=-1485/315 18-19=-57/138, 17-1 16-17=-890/4202, 15 14-15=0/91, 6-15=-11 12-13=-673/2924, 10 2-18=0/107, 4-17=-7 5-16=-166/910, 6-16 13-15=-541/2584, 7- 7-13=-386/134, 8-13 1-18=-307/1443, 3-1 3-18=-2391/686	8=-613/2806, -16=-930/4241, 91/139, 13-14=-33/1 -12=-673/2924 23/233, 4-16=-862/2 =-991/245, 15=-417/1806, =-360/176, 8-12=0/2 7=-336/1633,	10 30, LC 202, 208,	or the orienta bottom chorc DAD CASE(S)	lin represent ation of the pu l. Standard	ation does no	t depict the s top and/or	size				STATE OF M SCOTT SEVI	AISSOLP M. ER DISSOLP
1) Unbalance this design	ed roof live loads have n.	been considered for									X	ESSIONA	L ENGLIS

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

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September 27,2024

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	A14	Roof Special		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Sprin	nghill, KS), Spring Hills, KS - 66083	,	Run: 8.63 S Ji ID:kQppWn02v	ul 12 2024 Print: 8 wFoarSzZ_rtDYIz	8.630 S Jul 12 Dv2P-RfC?Ps	2024 MiTek Industries, Inc. We B70Hq3NSgPqnL8w3uITXbGk	d Sep 25 26 26 26 26 26 26 26 26 26 26 26 26 26
	6-2-4 6-2-4	8-10-4 2-8-0	<u>16-3-4</u> 7-5-0		<u>23-0-4</u> 6-9-0	27-6-6 4-6-3	<u>31-10-8</u> <u>31-10-8</u> <u>32-9-8</u> <u>4-4-1</u> <u>0-11-0</u>
		412					
	MT1	8HS 6x12 ≠ 5x5=		4x4=		4x12=	
$\begin{array}{c} -7 \\ -7 \\ 3.5 \\ -3.7 \\ -3.7 \\ -5 \\ -1.7 \\ 0.1 \\ 0.9 \\ -1 \\ 0.9 \\ -1 \\ 0.1 \\ -5 \\ 0.1 \\ -9 \\ -1 \\ 0.1 \\ -9 \\ -1 \\ 0 \\ -1 \\ -1 \\ 0 \\ -1 \\ -1 \\ 0 \\ -1 \\ -1$	$3x4 = \qquad $	21			3 🛛	5	3x4≈ 619 3x6≈
	15 MT18HS 5x8 =	14 178-	-0-0				
		470-		3x4 u		11 5×9-	10 ⊠ U
			MT18HS	S9x18 =		570-	1.074 1
	0-1-12 <u>8-9-0</u> 8-7-4		<u>16-2-0</u> 7-5-0		<u>23-1-8</u> 6-11-8	<u>27-6-6</u> 4-4-15	<u>- 31-10-8</u> 4-4-1

Scale = 1:64.5												
Plate Offsets (X, Y): [2:0-6-0,0-2-2], [5:0-6-12,0-0-12], [8:0-3-13,0-1-5], [15:0-4-8,0-2-12]												
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	0.98	Vert(LL)	-0.60	13-14	>637	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-1.10	13-14	>346	180	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.25	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S					-		Weight: 147 lb	FT = 20%

	10:0	0000	1102010	/1112011	Matrix 0	
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2 *Except 2.0E 2x4 SP 2400F 2.0E *	* 3-5:2x4 SP 2400F Except* 4-12:2x3 SP	2) F	Wind: ASCE Vasd=91mph Ke=1.00; Cat exterior zone Interior (1) 5-	7-16; Vult=115mph (3-se n; TCDL=6.0psf; BCDL=6 t. II; Exp C; Enclosed; MV and C-C Exterior(2E) 0-1 1-12 to 8-10-4 Exterior(2)	cond gust) .0psf; h=35ft; /FRS (envelope) I-12 to 5-1-12, R) 8-10-4 to
WEBS	2x3 SPF No.2 *Exce SP No.2	o.z pt* 15-1,15-2,14-4:2x	4	13-10-4, Inte 23-0-4 to 28-	rior (1) 13-10-4 to 23-0-4, 0-4, Interior (1) 28-0-4 to	Exterior(2R) 32-9-8 zone;
SLIDER BRACING FOP CHORD	Right 2x4 SP No.2 Structural wood shea except end verticals,	2-3-1 athing directly applied and 2-0-0 oc purlins	, 3)	cantilever left right exposed for reactions DOL=1.60 Provide adeo	t and right exposed ; end d;C-C for members and fo shown; Lumber DOL=1.6	vertical left and rces & MWFRS 0 plate grip water ponding.
OT CHORD	Rigid ceiling directly	applied or 7-1-14 oc	4) 5)	All plates are This truss ha	MT20 plates unless othe	rwise indicated.
WEBS WEBS REACTIONS FORCES TOP CHORD	bracing. 1 Row at midpt 2 Rows at 1/3 pts (size) 8=0-5-8, 1 Max Horiz 15=-88 (Ld Max Uplift 8=-334 (Ld Max Uplift 8=-334 (Ld Max Grav 8=1493 (L (lb) - Maximum Com Tension 1-15=-241/138, 1-2= 2-3=-4375/1048, 3-4 4-5=-5587/1396, 5-6 6-8=-3165/782, 8-9=	4-14 2-15 5= Mechanical C 13) C 9), 15=-294 (LC 8) C 1), 15=1427 (LC 1) pression/Maximum -216/62, =-4064/997, =-3025/760, -4/0	5) 6) 7) 8) 9) 10)	Inis truss ha chord live loa Bearings are capacity of 50 Refer to girde Provide med bearing plate joint 8 and 25 This truss is International R802.10.2 ar Graphical pu or the orienta	s been designed for a 10 ad nonconcurrent with any assumed to be: , Joint 8 65 psi. er(s) for truss to truss con hanical connection (by oth capable of withstanding 44 lb uplift at joint 15. designed in accordance v Residential Code section ad referenced standard A rlin representation does n tition of the purlin along th	v other live loads. SP No.2 crushing nections. ners) of truss to 334 lb uplift at vith the 2018 s R502.11.1 and NSI/TPI 1. ot depict the size e top and/or
BOT CHORD	14-15=-1238/5238, 1 12-13=0/128, 4-13=- 10-11=-672/2863, 8-	3-14=-1271/5679, 220/168, 11-12=-41/2 10=-672/2863	LO	AD CASE(S)	Standard	
WEBS	2-15=-5141/1344, 2- 3-14=-176/1106, 4-1 11-13=-570/2684, 5- 5-11=-329/155, 6-11	14=-1267/429, 4=-1837/484, 13=-675/2844, =-35/235, 6-10=0/119)			
NOTES						

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

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OF MISSOL TE SCOTT M. SEVIER NORTH SSIONAL PE-2001018807 EL September 27,2024

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									RELEASE	FOR CONSTRUCTION	
Job	Truss		Truss Type	Qt	y Ply				AS NOTE		1
P240989	A15		Roof Special	1	2					I68479948	
Premier Building	Supply (Springhill, KS)	Spring Hills KS - 66083		Rup: 8.63 S Jul 12 2024 E	Print: 8 630 S	JO 101 12 2024	b Reference (op MiTek Industries	tional	d Sep 25 2 201		l
Fremier Building		Spring Fillis, NS - 00003,		ID:vHFX2BnPxI7EdVfYLF	QPmgzDsf4-R	fC?PsB70H	lq3NSgPqnL8w3u	ITXbG	WrCDoi734z3c?f	1/2024	
$\frac{4224}{4224} + \frac{6 \cdot 10 \cdot 4}{2 \cdot 8 \cdot 0} + \frac{11 \cdot 6 \cdot 12}{4 \cdot 8 \cdot 8} + \frac{16 \cdot 3 \cdot 12}{4 \cdot 9 \cdot 0} + \frac{20 \cdot 7 \cdot 12}{4 \cdot 4 \cdot 0} + \frac{25 \cdot 0 \cdot 4}{4 \cdot 4 \cdot 8} + \frac{28 \cdot 6 \cdot 6}{3 \cdot 6 \cdot 3} + \frac{31 \cdot 10 \cdot 8}{3 \cdot 4 \cdot 1} + \frac{32 \cdot 9 \cdot 8}{0 \cdot 11 \cdot 0}$											
Plate Offsets (2	K, Y): [11:0-2-5,0-0-5	5], [17:0-4-0,0-2-8], [21	1:0-4-8,0-2-0]								-
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 0.45 BC 0.72 WB 0.45 Matrix-S	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.48 -0.88 0.16	(loc) l/defl 17-18 >786 17-18 >435 11 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 291 lb	GRIP 244/190 FT = 20%	_
LUMBER 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: 1) 1) 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: 1)										not depict the size the top and/or	_
BOT CHORD	2-0-0 oc purins (4-2-5 max.): 1-2, 3-8. CHORD Rigid ceiling directly applied or 10-0-0 oc unless otherwise indicated only loads noted as (F) or (B), unless otherwise indicated										

bracing. Unbalanced roof live loads have been considered for REACTIONS (size) 11=0-5-8, 21= Mechanical this design. Max Horiz 21=-74 (LC 13) Wind: ASCE 7-16; Vult=115mph (3-second gust) 4) Max Uplift 11=-343 (LC 9), 21=-301 (LC 8) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Max Grav 11=1493 (LC 1), 21=1427 (LC 1) Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) FORCES (lb) - Maximum Compression/Maximum exterior zone and C-C Exterior(2E) 0-1-12 to 4-2-4, Tension Interior (1) 4-2-4 to 6-10-4, Exterior(2R) 6-10-4 to TOP CHORD 1-21=-217/107, 1-2=-470/120, 11-6-12, Interior (1) 11-6-12 to 25-0-4, Exterior(2R) 2-3=-5102/1228, 3-4=-4799/1175, 25-0-4 to 30-0-4, Interior (1) 30-0-4 to 32-9-8 zone; 4-5=-7378/1690, 5-7=-7050/1624, cantilever left and right exposed ; end vertical left and 7-8=-4139/1028. 8-9=-3154/790. right exposed;C-C for members and forces & MWFRS 9-11=-3037/748, 11-12=-4/0 for reactions shown; Lumber DOL=1.60 plate grip BOT CHORD 20-21=-1350/5920, 19-20=-1365/5950, DOL=1.60 18-19=-1498/6823, 17-18=-1498/6823, 5) Provide adequate drainage to prevent water ponding. 16-17=0/93, 5-17=-278/132, 15-16=-123/566, 6) This truss has been designed for a 10.0 psf bottom 14-15=-650/2995, 13-14=-635/2729, chord live load nonconcurrent with any other live loads. 11-13=-635/2729 Bearings are assumed to be: , Joint 11 SP No.2 7) WEBS 2-21=-5548/1347, 2-19=-1120/310, crushing capacity of 565 psi. 3-19=-231/1226, 8-14=-56/107, 8) Refer to girder(s) for truss to truss connections. 4-17=-166/690, 4-19=-2237/503, 4-18=0/191, 9) Provide mechanical connection (by others) of truss to 7-15=-1444/398, 7-17=-675/3090, bearing plate capable of withstanding 343 lb uplift at 8-15=-313/1400, 15-17=-801/3663, joint 11 and 301 lb uplift at joint 21. 2-20=-221/109, 9-14=-78/436, 9-13=-16/80 10) This truss is designed in accordance with the 2018 NOTES International Residential Code sections R502.11.1 and

PE-2001018807 September 27,2024

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R802.10.2 and referenced standard ANSI/TPI 1.



							RELEASE FOR (CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR	PLAN REVIEW
P240989	A16	Hip Girder		1	2 Job Ref	erence (optional	LEE'S SUMM	479949 T, MISSOURI
Premier Building Supply (Springhill, KS), Spring Hills, KS	S - 66083,	Run: 8.63 S Ju ID:rsxYZJtub8K	l 12 2024 Print: 8.63 KW?1gn8Gkl9zDuc	0 S Jul 12 2024 MiTe B-RfC?PsB70Hq3NSq	د Industries, Inc. Wed PqnL8w3uITXbGK Vr	Sep 25 2:84 4. 1 CDoi7J4zJ6:f	/2024
	-0-11-0 <u>5-0-0</u> 	10-4-12 5-4-12	<u> </u>		21-5-12 5-6-8	<u>26-10-8</u> 5-4-12	31-10- 5-0-0	8 32-9-8 8 0-11-0
	12 4 F	NAILED NAILED NAILED	NAILED NAILED	NAILED NAILED	NAILED NAILED	NAILED NAILED	0 NAILED 4x8=	
:-4-0 ⊣ -2-72-4-0 -2-70-1-9			4 19 20 21	22 5 23		26 27	8 28	9 10
				33 13 34	35 361	2 37 38	11	
	4x6 =	3x4 II	3x8=	7x8=	4x	12=	3x4 II	4x6=
	4-10-12	THJA26 NAILED NAILED	NAILED NAILED	NAILED NAILED	NAILED NAILED	NAILED NAILED	0 THJA26	8
	4-10-12	5-6-0	5-6-8	,	5-6-8	5-6-0	4-10-1	2 '

Scale = 1:59.8

Plate Offsets (X, Y): [2:Edge,0-1-10], [3:0-4-4,0-0-12], [6:0-2-0,Edge], [8:0-4-0,0-0-12], [9:Edge,0-1-10], [13:0-4-0,0-4-12], [14:0-2-8,0-1-8]													
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC20	8/TPI2014	CSI TC BC WB Matrix-S	0.77 0.45 0.70	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.50 -0.90 0.08	(loc) 12-13 12-13 9	l/defl >748 >417 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 300 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 *Except 1.5E 2x6 SP 2400F 2.0E 2x3 SPF No.2 Structural wood shea 4-10-7 oc purlins, ex 2-0-0 oc purlins (3-1)	t* 3-6,6-8:2x4 SP 1 athing directly appl cept 1-4 max.): 3-8.	2 1650F 3 lied or 4	 All loads at except if no CASE(S) s provided to unless othe Unbalance this design Wind: ASC Vasd=910 	e considered equ oted as front (F) or ection. Ply to ply or distribute only loz erwise indicated. d roof live loads h E 7-16; Vult=115r ph; TCDL=6.0psf; d ut ly Exe C Ford	s Girder: 3-10d (C s. ndard e (balanced): Lum .15 p/ft)	0.148" x 3") toe-nails ber Increase=1.15,						
BOT CHORD	Rigid ceiling directly bracing. (size) 2=0-5-8, 9 Max Horiz 2=-36 (LC Max Uplift 2=-709 (LC Max Grav 2=2508 (L	applied or 10-0-0 o =0-5-8 17) C 8), 9=-709 (LC 9 C 1), 9=2509 (LC	oc 9) 1)	exterior zou Interior (1) Interior (1) 32-9-8 zon vertical left forces & M	exterior zone and C-C Exterior(2E) -0-11-0 to 41-0, Interior (1) 41-0 to 5-0-0, Exterior(2R) 5-0-0 to 12-0-14, Interior (1) 12-0-14 to 26-10-8, Exterior(2R) 5-0-0 to 12-0-14, Interior (1) 12-0-14 to 26-10-8, Exterior(2E) 26-10-8 to 32-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWERS for reactions shown: Lumber								
FORCES	(lb) - Maximum Comp Tension	pression/Maximum	n 5	DOL=1.60 Provide ad	plate grip DOL=1. equate drainage te	.60 o prevent v	vater ponding] .		35=-29	(F), 32 (F), 36	=-29 (F), 33=-29 =-29 (F), 37=-29	(F), 38=-29 (F) (F), 38=-29 (F)
TOP CHORD	4-5=-10733/3052, 5- 7-8=-9339/2698, 8-9	7=-9335/2696, =-6155/1758, 9-10	730, 6)=0/2 7) This truss I chord live I) All bearing	has been designed bad nonconcurrer s are assumed to	d for a 10.0 ht with any be SP 240) psf bottom other live loa 0F 2.0E crus	ds. hing					
BOT CHORD	2-15=-1560/5645, 14 12-14=-2957/10740, 9-11=-1570/5666	I-15=-1559/5617, 11-12=-1568/5636	6, 8	capacity of Provide me bearing pla	805 psi. chanical connecti te capable of with	ion (by oth Istanding 7	ers) of truss t 09 lb uplift at	0					~
WEBS	3-15=-22/505, 8-11= 3-14=-1132/4086, 8- 4-14=-1238/518, 4-12 5-13=-208/224, 5-12 7-12=-781/408	-36/539, 12=-1100/3978, 3=-396/1421, =-1515/426,	9	joint 2 and 709 Ib uplift at joint 9.) 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. SCOTT M.								MISSOLA M.	
NOTES			1	or the orier	tation of the purli	n along the	top and/or				R	/ SEVI	ER \Y
1) 2-ply truss (0.131"x3" Top chord oc. Bottom ch staggered	to be connected toget) nails as follows: Is connected as follows ords connected as follows at 0-9-0 oc.	her with 10d :: 2x4 - 1 row at 0-9 ows: 2x6 - 2 rows	1 9-0 1	bottom chc 1) Use Simps Hand Hip) connect tru 2) Use Simps Right Hand	bottom chord. Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Left Hand Hip) or equivalent at 5-0-6 from the left end to connect truss(es) to front face of bottom chord. Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Right Hand Hip) or equivalent at 26-10-2 from the left								

staggered at 0-9-0 oc.

- Web connected as follows: 2x3 1 row at 0-9-0 oc.
- end to connect truss(es) to front face of bottom chord. 13) Fill all nail holes where hanger is in contact with lumber.



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											- T	RELEAS	E FOR CONSTRU	CTION
Job	Truss		Truss Typ	be		Qty	Ply	/				AS NOT	ED FOR PLAN RE	VIEW
P240989	B1		Hip Gird	er		1	3		h Refere	nce (ont	ional	LEE'S	168479950 SUMMIT, MISSO	URI
Premier Building	g Supply (Springhill, KS), S	Spring Hills, KS - 66083,	<u> </u>		Run: 8.63 S Jul 1 ID:Bb5QVthVwW	2 2024 F M4UIIMJa	rint: 8.630 S Eo8lzDs?t-F	Jul 12 202 RfC?PsB70	4 MiTek Ind Hq3NSgPq	dustries, li InL8w3ulT	nc. Wee	d Sep 25 2 8444 WrCDoi7J4z32?1	11/20	24
		ŀ	<u>3-7-</u> 3-7-	4	7-2-0 3-6-12		<u>10</u> 3-	- <u>8-12</u> -6-12		<u>14</u> 3-	-4-0 7-4			
				NAIL	ED NAILED	NAIL	ED I	NAILED	NAILED					
	T		1 <u>2</u> 4 F	5x5 2	5= 9	1.5 3	×4 и]		5x5 =					
	1-10-7											5		
		4x8	3=	3x12	12 2 II	4x	8 =	15	3x12	11	14	4x8 👟		
			HUS26	T 111A	NAILEI	C	NAILED			ł	HUS2	6-2		
				HUS26	20 HUS26		r HUS26	NAILED	THJA26	20				
							ŀ	HUS26						
			<u>3-6-</u> 3-6-(7-2-0 3-8-0		<u>10</u> 3)-10-0 3-8-0		14 3-	-4-0 -6-0	———		
Scale = 1:39 Plate Offsets ((X, Y): [1:0-4-0,0-1-12	2], [5:0-4-0,0-1-12]												
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.65 0.97	DEFL Vert(LL) Vert(CT)	in -0.15 -0.27	(loc) 7 7	l/defl >999 >615	L/d 240 180	PLATES MT20	GRIP 197/144	
BCLL BCDL	0.0	Rep Stress Incr Code	NO IRC2018/	TPI2014	WB Matrix-S	0.39	Horz(CT)	0.04	5	n/a	n/a	Weight: 193 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	ABER 4) Wind: ASCE 7-16; Vult=115mph (3-second gust) P CHORD 2x4 SP No.2 Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; CHORD 2x8 SPF No.2 Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) BS 2x3 SPF No.2 exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right CHORD Structural wood sheathing directly applied or 0.0 0 experimentation of the structural wood sheathing directly applied or exposed; C-C for members and forces & MWFRS for reactions shown: Lumber DOL=1.60 plate grip									 16) Fill all nail holes where hanger is in contact with lumber. 17) N/A ift 18) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines. 				mber. e-nails
BOT CHORD	2-0-0 oc purlins, ex 2-0-0 oc purlins (5-2 Rigid ceiling directly bracing.	 b) Classifier (1) Class						ing. n oads	1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)				.15,	
FORCES	 ACTIONS (size) 1=0-5-8, 5=0-5-8 Max Horiz 1=-27 (LC 13) Max Uplift 1=-1258 (LC 8), 5=-1307 (LC 9) Max Grav 1=5888 (LC 1), 5=5875 (LC 1) All bearings are assumed to be SPF No.2 crushing capacity of 425 psi. Provide mechanical connection (by others) of truss bearing plate capable of withstanding 1258 lb uplift ioint 1 and 1307 lb unlift at ioint 5 							g s to ft at	Co	Vent 1-2 ncentrat Vert: 4=- (F=-194, B=-1407	ed Loa 46 (F) B=-14), 2=-4	2-4=70, 4-5=7 ads (lb)), 8=-1601 (F=-1 407), 3=-46 (F), 46 (F), 9=-46 (F)	94, B=-1407), 6= 7=-1422 (F=-15,), 10=-46 (F),	=-1601
I GILGEO	(lb) - Maximum Compression/Maximum Tension									11=-140	7 (B),	12=-1422 (F=-1	5, B=-1407), 13=	-1422

TOP CHORD 1-2=-12212/2846, 2-3=-14096/3350, 3-4=-14096/3350, 4-5=-12255/2924 BOT CHORD 1-8=-2568/11233, 7-8=-2525/11006, 6-7=-2593/11044, 5-6=-2640/11273 WEBS 2-8=-583/3093, 4-6=-640/3124, 4-7=-707/3332, 3-7=-207/206, 2-7=-780/3373

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 oc.

- Web connected as follows: 2x3 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies,
- except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.

- This truss is designed in accordance with the 2018 9) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Left Hand Hip) or equivalent at 3-7-10 from the left end to connect truss(es) to front face of bottom chord.
- 12) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Right Hand Hip) or equivalent at 10-8-6 from the left end to connect truss(es) to front face of bottom chord.
- 13) Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent spaced at 3-10-0 oc max. starting at 1-3-0 from the left end to 11-1-0 to connect truss(es) to back face of bottom chord.
- 14) Use Simpson Strong-Tie HUS26 (14-16d Girder, 4-16d Truss) or equivalent at 7-2-0 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
- 15) Use Simpson Strong-Tie HHUS26-2 (14-10d Girder, 4-10d Truss) or equivalent at 13-0-3 from the left end to connect truss(es) to back face of bottom chord.

- (F=-15, B=-1407), 14=-1407 (B)
 - OF MISSOL TE SCOTT M. SEVIER NUMPER OF HSSIONAL EN PE-2001018807 September 27,2024



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

						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	CG1	Diagonal Hip Girder	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
					-	

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26444 1 1/2024 ID:7F6Nn7n8gozSfFLify9fuzDuzY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKW CDoi7J4zUC



|--|

Plate Offsets (X, Y): [2:0-2-6,0-0-3]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.71	Vert(LL)	-0.13	2-5	>622	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.68	Vert(CT)	-0.26	2-5	>311	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/	TPI2014	Matrix-P							Weight: 30 lb	FT = 20%
LUMBER			7)	"NAILED" in	dicates Girder: 3-1	0d (0.14	8" x 3") toe-	nails					
TOP CHORD	2x4 SP 1650F 1.5E			per NDS gui	delines.								
BOT CHORD	2x4 SP No.2		8)	In the LOAD	CASE(S) section,	loads a	oplied to the	face					
WEBS	2x3 SPF No.2			of the truss a	are noted as front ((F) or ba	ck (B).						
SLIDER	Left 2x4 SP No.2 3	3-5-12	LOA	AD CASE(S)	Standard								
BRACING			1)	Dead + Ro	of Live (balanced):	Lumber	Increase=1	.15,					
TOP CHORD	Structural wood she	athing directly appli	ed or	Plate Increa	ase=1.15 ads (lb/ft)								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	c	Vert: 1-4	=-70. 2-5=-20								
BOT ONORD	bracing		0	Concentrat	ed Loads (lb)								
REACTIONS	(size) 2=0-7-6 f	5= Mechanical		Vert: 6=7	1 (F=36, B=36), 1	0=0 (F=	0, B=0)						
READING	(320) 2=070, 0 Max Horiz 2=89 (LC				(,, ,	(-, -,						
	Max I Inlift 2=-80 (LC	(3) (1 C 12)											
	Max Grav 2=350 (LC	C 1), 5=285 (LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	1-25/0 2-4188/7	75 4-5216/231											
BOT CHORD	2-541/44	10, 4 0= 210/201											
NOTES	2 0= +1/++												
1) Wind AS	CE 7-16: \/ult-115mph	(3-second quet)											
Vasd=91r	mph: TCDI =6 0 psf: BC	DI = 6 Onsf: h = 35 ft											
Ke=1.00:	Cat. II: Exp C: Enclose	ed: MWFRS (envelor	ce)										
exterior z	one and C-C Corner (3) -1-3-9 to 5-9-5.											The
Exterior(2	R) 5-9-5 to 6-10-2 zon	e; cantilever left and										O TE	A Marine Marine
right expo	sed ; end vertical left a	and right exposed;C-	C									A.F. OF I	VIISS OF
for memb	ers and forces & MWF	RS for reactions sho	own;								4		A STA
Lumber D	OL=1.60 plate grip DO	DL=1.60									A	SCOT	TM. YEN
This truss chord live	has been designed for	r a 10.0 psf bottom	ds								R.	SEVI	ER X
3) Bearings	are assumed to be: Joi	int 2 SP No.2 crushi	ng								0 *		
capacity o	of 565 psi.										NV.	F7.	
1) Refer to o	irder(e) for trues to true	e connections											

- Refer to girder(s) for truss to truss conne 4
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 67 lb uplift at joint 5 and 80 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240989	CG2	Detail Girder	1	1	Job Reference (ontional	I68479952 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springl	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:fAk7WEjBnZtB6A	024 Print: 8.0 M4fWA8IWzI	530 S Jul 12 2 DulQ-RfC?Ps	2024 MiTek Industries, Inc. We B70Hq3NSgPqnL8w3uITXbG	d Sep 2512694/11/21924 WrCD0i7342567f
		-1-3-9 1-3-9	<u>3-8-2</u> 3-8-2		_	
		2.	12 33 Г		1.5x4 II	
		Зх	4 =		4	
			3		5 -4-	φ φ
		3x4 u			1.5x4 u	
Scale = 1:23.3			3-8-2		_	

Plate Offsets (X, Y): [2:0-2-6,0-0-3]

	(,,, ,). [=:0 = 0,0 0 0]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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/TI	PI2014	CSI TC BC WB Matrix-P	0.26 0.12 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 2-5 2-5 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 17 lb	GRIP 197/144 FT = 20%
		0000									1	rreigna in io	2070
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Left 2x4 SP No.2 1 Structural wood she 3-8-2 oc purlins, ex Rigid ceiling directly bracing. (size) 2=0-7-6, 5	1-9-9 athing directly applie cept end verticals. [,] applied or 10-0-0 oc 5= Mechanical	7) Ir o LOAE 1) dor	h the LOAD f the truss a D CASE(S) Dead + Roc Plate Increa Uniform Loa Vert: 1-2= Trapezoidal Vert: 2=0 3=-31 (F= B=10)-to-	CASE(S) section re noted as front Standard of Live (balanced) ise=1.15 ads (lb/ft) =-70 Loads (lb/ft) (F=35, B=35)-to- =20, B=20)-to-4=- 5=-18 (F=1, B=1)	, loads ap (F) or bar : Lumber -3=-31 (F -64 (F=3,)	pplied to the ck (B). Increase=1. =20, B=20), B=3), 2=0 (F	face 15, =10,					
	Max Horiz 2=120 (LC Max Uplift 2=-158 (L Max Grav 2=156 (LC	C 10), 5=-83 (LC 16) C 10), 5=82 (LC 1))										
FORCES	(lb) - Maximum Com	pression/Maximum											
TOP CHORD BOT CHORD	1-2=-5/0, 2-4=-50/24 2-5=-25/27	4, 4-5=-60/104											
NOTES													
1) Wind: ASC Vasd=91n Ke=1.00; (exterior zc and right e exposed;C reactions s DOL=1.60	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Corner (3 exposed ; end vertical I C-C for members and for shown; Lumber DOL='	(3-second gust) IDL=6.0psf; h=35ft; Id; MWFRS (envelop)) zone; cantilever lef left and right orces & MWFRS for 1.60 plate grip	e) t								ł.	TATE OF M	MISSOLA
2) This truss	has been designed for	r a 10.0 psf bottom									B	SEVI	FR Y
chord live3) Bearings a capacity o	load nonconcurrent wi are assumed to be: Joi of 565 psi.	ith any other live load int 2 SP No.2 crushir	ds. ng								Ø		.8
 Refer to gi Provide m bearing pla 5 and 158 	irder(s) for truss to trus lechanical connection (ate capable of withstar lb uplift at joint 2.	ss connections. (by others) of truss to nding 83 lb uplift at jo	o bint							4	A A	PE-2001	018807 E
6) This truss Internation R802.10.2	is designed in accordanal Residential Code so and referenced stand	ance with the 2018 ections R502.11.1 ar lard ANSI/TPI 1.	nd									SIONA	L ENGE

September 27,2024



						RELEASE FOR CONSTRUCTION
loh	Truce	Trues Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	CG3	Diagonal Hip Girder	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26445 1 1/269:24 ID:?1NRHKtWxEcYJa3i?Tdk2YzDuRs-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDoi75429C?f



Scale = 1:36

Plate Offsets (X, Y): [2:0-2-6,0-0-3]

Loading	(psf)	Spacing	2-0-0		csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		TC	0.77	Vert(LL)	-0.16	2-5	>535	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.77	Vert(CT)	-0.32	2-5	>267	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/1	TPI2014	Matrix-P							Weight: 31 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD	2x4 SP 1650F 1.5E 2x4 SP No.2 2x3 SPF No.2 Left 2x4 SP No.2 3 Structural wood shea 6-0-0 oc purlins, exc	3-7-6 athing directly applie cept end verticals.	7) " 8) 6 LOA 1) d or	"NAILED" inc per NDS guid In the LOAD of the truss a D CASE(S) Dead + Roc Plate Increa Uniform Loa	dicates Girder: 3-10 delines. CASE(S) section, re noted as front (I Standard of Live (balanced): ise=1.15 ads (Ib/ft)	0d (0.14 loads al F) or ba Lumber	8" x 3") toe- oplied to the ck (B). Increase=1.	nails face 15,					
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	;	Vert: 1-4	=-70, 2-5=-20 ed Loads (lb)								
REACTIONS	(size) 2=0-7-6, 5 Max Horiz 2=92 (LC Max Uplift 2=-102 (LC Max Grav 2=373 (LC	5= Mechanical 31) C 8), 5=-78 (LC 12) C 1), 5=300 (LC 1)		Vert: 6=6	2 (F=31, B=31), 1()=-4 (F=	2, B=-2)						
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-5/0, 2-4=-183/7	75, 4-5=-226/239											
BOT CHORD	2-5=-42/46	,											
NOTES													
 Wind: ASC Vasd=91n Ke=1.00; exterior zc Exterior(2 exposed; members Lumber D 	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BCC Cat. II; Exp C; Enclosed one and C-C Corner (3) R) 5-9-5 to 7-1-5 zone; end vertical left and rig and forces & MWFRS OL=1.60 plate grip DO	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop) -1-3-9 to 5-9-5, cantilever left and r ght exposed;C-C for for reactions shown; L=1.60	e) ight								Å	THE OF M	MISSOLUTION
2) This truss chord live	has been designed for load nonconcurrent wit	a 10.0 psf bottom th any other live load	ds.								Ø.	SEVI	ER
 Bearings a capacity of 	are assumed to be: Joi of 565 psi.	nt 2 SP No.2 crushir	ng								<u>ll</u>	tto:	lanter
4) Refer to g	irder(s) for truss to trus	s connections.									X	NUM	BR AND
5) Provide m	Provide mechanical connection (by others) of truss to												

5 bearing plate capable of withstanding 78 lb uplift at joint 5 and 102 lb uplift at joint 2.

This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

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September 27,2024

						RELEASE FOR CONSTRUCTION
lob	Truce	Trues Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
500	11055	Truss Type	Quy	гу		DEVELOPMENT SERVICES
P240989	CG4	Diagonal Hip Girder	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
			-			

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2312 1344 1 1/20:24 ID:ooUezWRZa6vloaWaKNfvITzZIs?-RfC?PsB70Hq3NSgPqnL8w3uITXbGK vrCDoi7JzJzJoff 1 1/20:24





NAILED

NAILED



Scale = 1:33.9

Plate Offsets (X, Y): [2:0-2-6,0-0-3]

Loading	(psf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15		тс	0.74	Vert(LL)	-0.05	2-5	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.39	Vert(CT)	-0.10	2-5	>657	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TF	PI2014	Matrix-P							Weight: 23 lb	FT = 20%
LUMBER			7) "N	NAILED" inc	licates Girder: 3-1	0d (0.14	8" x 3") toe-	nails					
TOP CHORD	2x4 SP No.2		, pe	er NDS guid	lelines.	,	,						
BOT CHORD	2x4 SP No.2		8) İn	the LOAD	CASE(S) section,	loads ap	oplied to the	face					
WEBS	2x3 SPF No.2		of	f the truss a	re noted as front (F) or ba	ck (B).						
SLIDER	Left 2x4 SP No.2 2	2-8-8	LOAD	CASE(S)	Standard								
BRACING			1)	Dead + Roc	of Live (balanced).	Lumber	Increase=1	15					
TOP CHORD	Structural wood she	athing directly applie	d or	Plate Increa	se=1.15			,					
	5-5-5 oc purlins ex	cent end verticals	1	Uniform Loa	ads (lb/ft)								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or		Vert: 1-4=	-70. 2-5=-20								
Bot offorte	bracing				-,								
REACTIONS	(size) 2-0-4-9 F	5- Mechanical											
	Max Horiz 2-69 (LC	28)											
	Max I Inlift 2=-76 (LC	(20)											
	Max Grav 2=284 (10	(10, 3 = -37) (10, 12) C (1) (10, 12)											
FORCES	(lb) - Maximum Com	pression/Maximum											
TOROLO	(ib) - Maximum Com Tension	pression/maximum											
TOP CHORD	1-2=-15/0 2-4=-98/6	30 4-5=-185/232											
BOT CHORD	2-5=-34/36	, 10= 100/202											
NOTES	2 0- 0-000												
1) Mind AS	CE 7 16: Vult 115mph	(2 accord quat)											
I) WIND. AS	CE 7-10, $Vuit=11511p11$	DI -6 Opef: b-25ft											
Ke-1 00	Cat II: Exp.C: Enclose	d: MWERS (envelor											
exterior 70	one and C-C Corner (3)) zone: cantilever let	t									~	
and right	exposed · end vertical I	eft and right	L C C C C C C C C C C C C C C C C C C C									A	and
exposed (C-C for members and for	orces & MWFRS for										B & OF I	11S.C.
reactions	shown: Lumber DOL=1	1.60 plate grip									E	7 510	20,0
DOL=1.60)	51									B	ST SCOT	TM X
2) This truss	has been designed for	r a 10.0 psf bottom									R		
chord live	load nonconcurrent wi	th any other live load	ds.							-	0	SEVI	
3) Bearings a	are assumed to be: Joi	nt 2 SP No.2 crushii	ng								X A	-	
capacity o	of 565 psi.										XX.	L TT7	Sonalo
4) Refer to g	irder(s) for truss to trus	s connections.								•	Ŵ	NUM	BER
5) Provide m	nechanical connection ((by others) of truss to)								17	PE-2001	018807 188
bearing pl	late capable of withstar	nding 57 lb uplift at je	pint								N.	-2001	STOOL SB

- 2
- 3
- 4
- 5 5 and 76 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



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

						RELEASE FOR CONSTRUCTION
loh	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
300	11035	Thuss Type	Giy	i iy		DEVELOPMENT SERVICES
P240989	CG5	Diagonal Hip Girder	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		•				

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26445 1 1/269:24 ID:Bb5QVthVwWM4UIIIMJaEo8IzDs?t-RfC?PsB70Hq3NSgPqnL8w3uITXbGr/WrCDoi7J4z5?



4-11-11

Scale = 1:36.4

Plate Offsets (X, Y): [2:0-2-6,0-0-3]

Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15		CSI TC	0.53	DEFL Vert(LL)	in -0.03	(loc) 2-5	l/defl >999	L/d 240	PLATES MT20	GRIP 197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.32	Vert(CT)	-0.07	2-5	>867	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TP	12014	Matrix-P		()					Weight: 22 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Left 2x4 SP No.2 2 Structural wood she 4-11-11 oc purlins, Rigid ceiling directly	2-5-9 athing directly applie except end verticals applied or 10-0-0 or	7) "N/ per 8) In t of t LOAD 1) D ed or P U	AILED" indi r NDS guide the LOAD C the truss an CASE(S) lead + Roof late Increase Iniform Load Vert: 1-4=	cates Girder: 3-1 elines. 2ASE(S) section, e noted as front (Standard f Live (balanced): se=1.15 ds (lb/ft) -70, 2-5=-20	0d (0.14 loads ar F) or bar Lumber	8" x 3") toe- pplied to the ck (B). Increase=1.	nails face 15,					
REACTIONS	bracing. (size) 2=0-7-6, 5 Max Horiz 2=68 (LC Max Uplift 2=-111 (L Max Grav 2=322 (LC	5= Mechanical 11) C 8), 5=-49 (LC 12) C 1), 5=207 (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-2=-5/0, 2-4=-89/56	6, 4-5=-158/206											
BOT CHORD	2-5=-31/34												
NOTES													
 Wind: ASC Vasd=91n Ke=1.00; exterior zc and right e exposed; reactions DOL=1.60 This true 	CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Corner (3 exposed ; end vertical I C-C for members and for shown; Lumber DOL=)	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop) zone; cantilever lef eft and right orces & MWFRS for 1.60 plate grip	be) 't								A.	STATE OF I	MISSOLUTION
 This truss chord live Bearings a connective 	has been designed for load nonconcurrent wi are assumed to be: Joi	r a 10.0 psf bottom th any other live loa nt 2 SP No.2 crushi	ds. ng									SEV	ER 🗡
4) Refer to a	ni 202 pSI. Iirder(s) for truss to tru	ss connections									NX	LTD.	Som Martin
5) Provide m	hechanical connection ((by others) of truss to	D									you	DER TAR
-, ··········			- 								14.	$O \setminus PE-2001$	018807 / ASH

5 bearing plate capable of withstanding 49 lb uplift at joint 5 and 111 lb uplift at joint 2.

6) 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.

September 27,2024

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					RELEASE FOR CONSTRUCTION
Job Truss		Otv	Plv		AS NOTED FOR PLAN REVIEW
11033		Qty	i iy		DEVELOPMENT SERVICES
P240989 CG6	Diagonal Hip Girder	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512 6345 1 1/269:24 ID:k9AfVKV5W2NA?5XZIduPXJzBdNB-RfC?PsB70Hq3NSgPqnL8w3uITXbd KWrCDoiiJ42x077



Scale = 1:37

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

		-										-	
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	0.94	Vert(LL)	-0.22	2-5	>454	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.53	Vert(CT)	-0.43	2-5	>227	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/1	FPI2014	Matrix-P							Weight: 35 lb	FT = 20%
LUMBER			7) "	'NAILED" inc	licates Girder: 3-10)d (0.14	8" x 3") toe-	nails					
TOP CHORD	2x4 SP 2400F 2.0E		F	per NDS guid	delines.								
BOT CHORD	2x4 SP 2400F 2.0E		8) I	In the LOAD	CASE(S) section,	loads a	oplied to the	face					
WEBS	2x3 SPF No.2		C	of the truss a	re noted as front (I	F) or ba	ck (B).						
SLIDER	Left 2x4 SP No.2 4	4-1-15	LOA	D CASE(S)	Standard								
BRACING			1)	Dead + Roo	of Live (balanced):	Lumber	Increase=1.	.15,					
TOP CHORD	Structural wood she	athing directly applie	, d or	Plate Increa	ise=1.15			,					
	6-0-0 oc purlins, exc	cept end verticals.		Uniform Loa	ads (lb/ft)								
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	2	Vert: 1-4	=-70, 2-5=-20								
	bracing.			Concentrate	ed Loads (lb)								
REACTIONS	(size) 2=0-4-9.5	5= Mechanical		Vert: 7=-	53 (F=-26, B=-26),	10=-19	(F=-10, B=-*	10)					
	Max Horiz 2=103 (LC	C 28)											
	Max Uplift 2=-149 (I	C 8) 5=-115 (I C 12)										
	Max Grav 2=484 (LC	C 1), 5=410 (LC 1)	,										
FORCES	(lb) - Maximum Com	nression/Maximum											
TOROLO	Tension	pression/maximum											
TOP CHORD	1-2=-6/0 2-4=-140/8	32 4-5=-315/306											
BOT CHORD	2-5=-47/51	,											
NOTES	2 0- 11/01												
1) Wind ASC	CF 7-16: Vult=115mph	(3-second qust)											
Vasd=91m	nph: TCDI =6 0 psf: BC	DI = 6 0 psf h = 35 ft											
Ke=1.00: 0	Cat. II: Exp C: Enclose	d: MWFRS (envelor	e)										
exterior zo	one and C-C Corner (3)) -1-2-14 to 5-10-0.	- /										The
Exterior(2)	R) 5-10-0 to 8-2-0 zone	e; cantilever left and										O DE M	ALL
right expos	sed ; end vertical left a	nd right exposed;C-	С									R.OF I	IIS S
for membe	ers and forces & MWFI	RS for reactions sho	wn;								6	- M	A Solo
Lumber D	OL=1.60 plate grip DO	L=1.60									B	SCOT	N N N
2) This truss	has been designed for	r a 10.0 psf bottom									B	SEVI	FP VY
chord live	load nonconcurrent with	th any other live load	ds.								has		
3) Bearings a	are assumed to be: Joi	nt 2 SP 2400F 2.0E									W ^	-	
crushing c	apacity of 805 psi.									_	<u>X</u> /	ATT).	Xan In In
Refer to gi	irder(s) for truss to true	ss connections.								-		NUM	
5) Provide m	echanical connection (by others) of truss to)								127	PE-2001	018807

5 bearing plate capable of withstanding 115 lb uplift at joint 5 and 149 lb uplift at joint 2.

6) 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.

September 27,2024

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E

						RELEASE FOR CONSTRUCTION
lob	Truss		Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11033		Qly	l''y		DEVELOPMENT SERVICES
P240989	E1	Half Hip Girder	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

3-11-4

3-11-4

0-5-0

0-5-0

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

9-5-8

2-9-12

6-7-12

2-8-8





Plate Offsets (X, Y): [2:0-2-9,0-2-0], [2:Edge,0-2-2]

Scale = 1:32

1-11-12

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.34 0.28 0.27	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.04 0.01	(loc) 7-8 7-8 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 41 lb	GRIP 197/144 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x6 SPF No.2 2x3 SPF No.2 Left 2x4 SP No.2 Structural wood she 5-1-2 oc purlins, ex 2-0-0 oc purlins (5-6 Rigid ceiling directly bracing.	1-7-13 Pathing directly applie (cept end verticals, a 3-0 max.): 4-6. Papplied or 10-0-0 o	7 8 ed or 9 ind c 1	 Provide mec bearing plate joint 7 and 19 This truss is International R802.10.2 ai Graphical pu or the orientat botton chore Use Simpson Hand Hip) or 	hanical connect a capable of with 95 lb uplift at joi designed in acc Residential Coo nd referenced s Irlin representati ation of the purli J. n Strong-Tie TH equivalent at 3	tion (by othe nstanding 1 nt 2. cordance wi de sections tandard AN ion does no n along the JJA26 (THJ. -11-10 from	ers) of truss I 85 lb uplift at th the 2018 R502.11.1 a SI/TPI 1. t depict the s top and/or A26 on 1 ply t the left end	to t and size , Left to						
REACTIONS	(size) 2=0-3-8, Max Horiz 2=67 (LC Max Uplift 2=-195 (L Max Grav 2=672 (Ld	7= Mechanical 11) .C 8), 7=-185 (LC 8) C 1), 7=654 (LC 1)	1	connect trus: 1) N/A 2) "NAILED" ind	s(es) to front fac	ce of botton	n chord. 8" x 3") toe-i	nails						
FORCES	(lb) - Maximum Con Tension	npression/Maximum	1	per NDS gui	delines.	on loads ar	onlied to the	face						
TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance this desigr 2) Wind: ASC Vasd=91n Ke=1.00; 0 exterior zo	1-2=-10/0, 2-4=-124 5-6=-46/40, 6-7=-10 2-8=-493/1106, 7-8: 4-8=0/233, 5-8=-28/ ed roof live loads have 1. CE 7-16; Vult=115mph rph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2	5/490, 4-5=-1097/45 9/86 470/870 284, 5-7=-954/503 been considered fo (3-second gust) DL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever	98, L 1 r pe) left	of the truss a DAD CASE(S) Dead + Roo Plate Increa Uniform Lo- Vert: 1-4 Concentrat Vert: 4=- 12=-19 (1)	Standard Standard of Live (balance ase=1.15 ads (lb/ft) =-70, 4-6=-70, 2 ed Loads (lb) 64 (F), 8=-228 (F), 13=-19 (F)	nt (F) or bad d): Lumber 2-7=-20 (F), 10=-64	(F), 11=-64 (15, (F),				STATE OF M	MISSOUR FR	

- 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
- Provide adequate drainage to prevent water ponding. 3) This truss has been designed for a 10.0 psf bottom 4)
- chord live load nonconcurrent with any other live loads. 5) Bearings are assumed to be: Joint 2 SPF No.2 crushing
- capacity of 425 psi. 6) Refer to girder(s) for truss to truss connections.



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E

NUMBER

PE-2001018807

September 27,2024

OFFESSIONAL

 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)

									RELEASE FOR CONS	TRUCTION
Job	Truss		Truss Type		Qt	y Ply			AS NOTED FOR PLA DEVELOPMENT SI	N REVIEW
P240989	H1		Hip Girder		1	2	Job Refere	ence (optional	LEE'S SUMMIT, M	SSOURI
Premier Building Supply (Springl	hill, KS), S	Spring Hills, KS - 66083,		Run: 8.6 ID:AzlpT	3 S Jul 12 2024 F 5WBxvlisrVjqL4vi	Print: 8.630 S J mXzWRWC-Rf	ul 12 2024 MiTek In C?PsB70Hq3NSgPo	dustries, Inc. We qnL8w3uITXbGF	d Sep 25 2 34 45 1 1/2 WrCDoi7 J4z 5 7	024
	ļ	0-11-0	<u>5-11-4</u> 5-11-4		<u>10-0-0</u> 4-0-12		<u>14-0-12</u> 4-0-12		<u>20-0-0</u> 5-11-4	
				NAILED	NAILED	NAILED	NAILED	NAILED		
			1 <u>2</u> 4 [4x4 =		3x4 =		4x4 =		
2 3 2-7-12 3 0-1-9			6- 	3				4 5	15	
2-7-1 2-6-3 2-6-3 2-6-3	1	2								6
	L			9	8	16	17	7		/
		4x4 =		3x4 =	4x6 =			3x4 =		4x4 =
				THJA26	NAILED	NAILED	NAILED	THJA26		
			5-10-0 5-10-0			<u>14-2-0</u> 8-4-0			<u>20-0-0</u> 5-10-0	
Scale = 1:40										
Loading TCLL (roof)	(psf) 25.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.68	DEFL Vert(LL)	in (loc) -0.10 7-9	l/defl L/d >999 240	PLATES GRIP MT20 197/144	

TCDL	10.0	Lumber DOL	1.15		BC	0.70	Vert(CT)	-0.21
BCLL	0.0	Rep Stress Incr	NO		WB	0.18	Horz(CT)	0.04
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-S			
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD	2x4 SP No.2 2x6 SPF No.2 2x3 SPF No.2 Structural wood she 5-4-12 oc purlins, ex 2-0-0 oc purlins, (6-0	athing directly applictcept	4) ed or	Wind: ASCE Vasd=91mph Ke=1.00; Ca exterior zone Interior (1) 4: Interior (1) 13 19-11-4 zone vertical left a	7-16; Vult=11 n; TCDL=6.0p t. II; Exp C; Eı e and C-C Ext 1-0 to 5-11-4. 3-0-2 to 14-0- e; cantilever le nd right expos	5mph (3-sec sf; BCDL=6. nclosed; MW erior(2E) -0-' Exterior(2R 12, Exterior(2 ft and right e sed;C-C for r	cond gust) 0psf; h=35ft; /FRS (envelo 11-0 to 4-1-0) 5-11-4 to 13 2E) 14-0-12 t exposed ; eno nembers and	pe) , 3-0-2, :0 1
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с	forces & MW DOL=1.60 pl	FRS for react ate grip DOL=	ions shown; ⊧1.60	Lumber	

2=0-5-8, 6= Mechanical

Max Uplift 2=-513 (LC 8), 6=-454 (LC 9)

Max Grav 2=1787 (LC 1), 6=1689 (LC 1)

(lb) - Maximum Compression/Maximum

4-5=-3827/1266, 5-6=-4205/1308 2-9=-1112/3805, 7-9=-1471/4467,

3-9=-179/1044, 5-7=-152/1016,

4-9=-898/425, 4-7=-839/392

Top chords connected as follows: 2x4 - 1 row at 0-9-0

Bottom chords connected as follows: 2x6 - 2 rows

Web connected as follows: 2x3 - 1 row at 0-9-0 oc.

All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD

CASE(S) section. Ply to ply connections have been

provided to distribute only loads noted as (F) or (B),

Unbalanced roof live loads have been considered for

1-2=0/2, 2-3=-4156/1278, 3-4=-3761/1230,

Max Horiz 2=42 (LC 33)

Tension

6-7=-1147/3870

1) 2-ply truss to be connected together with 10d

(0.131"x3") nails as follows:

unless otherwise indicated.

this design.

staggered at 0-9-0 oc.

REACTIONS (size)

FORCES

TOP CHORD

BOT CHORD

WEBS

NOTES

oc.

2)

3)

- 5) Provide adequate drainage to prevent water ponding.6) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.7) Bearings are assumed to be: Joint 2 SPF No.2 crushing capacity of 425 psi.
- 8) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 6 and 513 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Left Hand Hip) or equivalent at 5-11-10 from the left end to connect truss(es) to front face of bottom chord.
- 13) Use Simpson Strong-Tie THJA26 (THJA26 on 2 ply, Right Hand Hip) or equivalent at 14-0-6 from the left end to connect truss(es) to front face of bottom chord.
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) N/A
- 16) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.

LOAD CASE(S) Standard

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

180

>999

n/a n/a

7-9

6

- Vert: 1-3=-70, 3-5=-70, 5-6=-70, 2-6=-20
- Concentrated Loads (lb)
- Vert: 3=-131 (F), 5=-131 (F), 8=-39 (F), 9=-425 (F), 7=-425 (F), 4=-131 (F), 12=-131 (F), 13=-131 (F), 16=-39 (F), 17=-39 (F)

Weight: 157 lb FT = 20%

September 27,2024

org) Mitter US.com

											RELEASE	FOR CONSTRUCTION
Job	Truss		Truss Ty	rpe		Qty	Ply				AS NOTE DEVEL	D FOR PLAN REVIEW
P240989	H2		Hip Gire	der		1	1	Job R	eference (optio	naľ	LEE'S	SUMMIT, MISSOURI
Premier Building Supply (S	pringhill, KS), S	Spring Hills, KS - 66083	,		Run: 8.63 S Jul 12	2024 Print:	8.630 S Jul 1 zBdMY-RfC3	2 2024 MiT PsB70Ha3	Fek Industries, Inc	. Wed	d Sep 25 2:8445	11/2024
					D.11350WipterEc		20001-100	1 307 01143			WICD01/34280-1	
	-0-	-10-8	5-11-4	1	10-4-0	1	1	4-8-12	1		20-8-0	21-6-8
	0-	10-8	5-11-4		4-4-12			4-4-12			5-11-4	0-10-8
						NA	ILED					
				NAILE	D NAILED	NAILED	1	NAILED	NAILED			
			1 <u>2</u> 4 [6x6	=	1.	5x4 n		6x6 =			
-1-12			6 <u>-</u>	3	1314 ×	⊠ 154	¹⁶ 🖂	1718	5			
0-7-7			3-12							_	19	
-7-12 -6-3		2	\bigcirc									6
8-0 2 2	_ 1											7
⊥ ⊥ ĕ				11	20 10	219	22	23	8			
		5x8 =		3x6 i	ı 7x8	3= 4	:8 =	20	3x6 II			5x8 ≈
				THJA2	6 NAILED	NAILED	1	NAILED	THJA26			
						NA	ILED					
			5-10-0		10-4-0			4-10-0			20-8-0	
Scale = 1:42.2			5-10-0	·	4-6-0			4-0-0	·		5-10-0	·
Plate Offsets (X, Y): [2	:0-0-13,0-1-8	3], [6:0-0-13,0-1-8]										
Loading	(psf)	Spacing	2-0-0		CSI	DE	FL	in (I	loc) l/defl	L/d	PLATES	GRIP
TCLL (roof) TCDL	25.0 10.0	Plate Grip DOL Lumber DOL	1.15 1.15	-	FC BC	0.92 Ve 0.88 Ve	rt(LL)	-0.23 -0.41	9 >999 2 9 >595 1	240 180	MT20	197/144
BCLL	0.0 10.0	Rep Stress Incr	NO IRC2018	/TPI2014	WB Matrix-S	0.41 Ho	rz(CT)	0.07	6 n/a	n/a	Weight: 95 lb	FT = 20%
	10.0	occo	5)	All bearings are	e assumed to be S	SPF No.2 c	rushina	-	· · · ·		Wolght. 00 lb	11-20/0
TOP CHORD 2x4 SP	1650F 1.5E		6)	capacity of 425 Provide mecha	psi. nical connection (by others)	of truss to					
WEBS 2x3 SP	F No.2		-,	bearing plate c	apable of withstar	iding 538 l	b uplift at					
TOP CHORD Structu	ral wood she	eathing directly applie	ed or 7)	This truss is de	signed in accorda	nce with the	ne 2018 12 11 1 and	4				
2-9-12 2-0-0 c	oc purlins, ex c purlins (2-3	xcept 3-5 max.): 3-5.	0)	R802.10.2 and	referenced stand	ard ANSI/1	PI1.	, ,				
BOT CHORD Rigid c bracing	eiling directly J.	applied or 7-5-7 oc	8)	or the orientation	on of the purlin alo	ong the top	and/or	e				
REACTIONS (size) Max Hor	2=0-3-8, 0 iz 2=-42 (LC	6=0-3-8 C 13)	9)	Use Simpson S	Strong-Tie THJA2	6 (THJA26	on 1 ply, L	eft				
Max Upl Max Gra	ift 2=-538 (L	LC 8), 6=-538 (LC 9))	Hand Hip) or e connect truss(e	quivalent at 5-11- es) to front face of	bottom the	e left end to ord.					
FORCES (Ib) - M	aximum Com	npression/Maximum) 10)	Use Simpson S Right Hand Hip	Strong-Tie THJA26) or equivalent at	6 (THJA26 14-8-6 froi	on 1 ply, n the left ei	nd				
TOP CHORD 1-2=0/6	n 6, 2-3=-4521/	/1411, 3-4=-5121/16	53, 11)	to connect trus N/A	s(es) to front face	of bottom	chord.					
4-5=-5 BOT CHORD 2-11=-7	121/1653, 5-6 1240/4173, 9	6=-4521/1425, 6-7=0 -11=-1236/4143,	0/6									
8-9=-12 WEBS 3-11=-7	249/4143, 6-8 71/606, 5-8=-	8=-1253/4173 -74/606, 3-9=-340/1 <i>°</i>	189, 12)	"NAILED" indic	ates Girder: 3-100	d (0.148" x	3") toe-na	ils				
5-9=-34	41/1189, 4-9=	=-871/450	13)	per NDS guide In the LOAD C	lines. ASE(S) section. lo	ads applie	d to the fac	e				~
 Unbalanced roof liv this design 	e loads have	been considered fo	r IO	of the truss are	noted as front (F	or back (I	3).				OF	MISS
 Wind: ASCE 7-16; ' 	Vult=115mph	(3-second gust)	1)	Dead + Roof	Live (balanced): L	umber Inc	ease=1.15	,		B	ATE	-3302
Ke=1.00; Cat. II; Ex	cp C; Enclose	ed; MWFRS (envelop	pe)	Uniform Load	s (lb/ft)		_			g	SCOT SEVI	FR X
Interior (1) 4-1-8 to	5-11-4, Exterior(2	rior(2R) 5-11-4 to 13	8-0-2,	Vert: 1-3=- Concentrated	70, 3-5=-70, 5-7=- Loads (lb)	70, 2-6=-2	0		Ţ			
Interior (1) 13-0-2 to 21-6-8 zone; cantile	o 14-8-12, Ex ever left and i	<pre>kterior(2E) 14-8-12 to right exposed ; end</pre>	D	Vert: 3=-13 (F), 14=-13	1 (F), 5=-131 (F), 1 (F), 15=-131 (F)	11=-420 (, 16=-131	⁼), 8=-420 (F), 17=-13	1	X	ļ,	ott	Jo Mes
vertical left and righ forces & MWFRS for	it exposed;C- or reactions s	-C for members and shown; Lumber		(F), 20=-39	(F), 21=-39 (F), 2	2=-39 (F),	23=-39 (F)			8 TO	PE-2001	018807
DOL=1.60 plate gri3) Provide adequate control	p DOL=1.60 Irainage to pr	revent water ponding	g.							V	2323	ENGINE
 This truss has been chord live load non 	designed fo	r a 10.0 psf bottom	ds.								ONA	LE
		,									Septembe	r 27,2024
WARNING - Verif	y design parame	eters and READ NOTES C	ON THIS AND I	NCLUDED MITEK RI	EFERENCE PAGE MII-	7473 rev. 1/2	2023 BEFORE	USE.				

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

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Scale = 1:42.3

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

	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	[;]												
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	0.44 0.66 0.12	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.25 0.06	(loc) 2-13 2-13 9	l/defl >999 >978 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 87 lb	GRIP 197/144 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS SLIDER BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Left 2x4 SP No.2 2 2-1-7 Structural wood she 3-8-11 oc purlins, ex 2-0-0 oc purlins (4-1 Rigid ceiling directly bracing. (size) 2=0-3-8, § Max Horiz 2=54 (LC Max Uplift 2=-220 (L Max Grav 2=991 (LC (lb) - Maximum Com Tension 1-2=-5/0, 2-4=-1891,	2-1-7, Right 2x4 SP I athing directly applie ccept -7 max.): 5-6. applied or 7-5-12 oc 9=0-3-8 12) C 8), 9=-220 (LC 9) C 1), 9=991 (LC 1) ipression/Maximum /689, 4-5=-1690/576	3) 4) 5) No.2 6) ed or 7) 2 8) LC	Provide aded This truss ha chord live loa All bearings i capacity of 5 Provide mec bearing plate joint 2 and 2: This truss is International R802.10.2 ar Graphical pu or the orienta bottom chord	quate drainage to is been designed ad nonconcurrent are assumed to b 65 psi. hanical connectio e capable of withs 20 lb uplift at joint designed in accor Residential Code and referenced sta rilin representation tion of the purlin d. Standard	prevent to for a 10.0 with any e SP No. n (by oth- tanding 2 9. rdance wi e sections n dard AN n does no along the	water pondin o psf bottom other live loa 2 crushing ers) of truss 20 lb uplift a ith the 2018 R502.11.1 a ISI/TPI 1. ot depict the top and/or	g. ads. to t and size						
	5-6=-1580/604, 6-7= 7-9=-1891/711, 9-10		,											
WEBS	9-11=-601/1689 5-13=0/245, 5-11=-1 4-13=-147/173, 7-11	52/153, 6-11=0/245 =-147/173	,									G OF M	ALSO	
NOTES	,										- 1	7.50	N.0°	
 Unbalanc this desig Wind: AS Vasd=91r Ke=1.00; exterior zd Interior (1 12-8-12, E 0, 0, 10 to 	ed roof live loads have n. CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2)) 3-11-3 to 7-11-4, Exte Exterior(2R) 12-8-12 to 2-21 6.9 zono: continue	been considered for (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) -0-10-8 to 3-11-3 prior(2E) 7-11-4 to 19-9-10, Interior (1) relation dright	,									SCOT SEVI	ER 1 M. ER 1 M. ER 1 M. ER 1 M. ER	

12-8-12, Exterior(2R) 12-8-12 to 19-9-10, Interior (1) 19-9-10 to 21-6-8 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

September 27,2024

SIONAL

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E

								RELEASE	FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply			AS NOTE DEVEL	D FOR PLAN REVIEW
P240989	44	Hip Girder		1	2	Job Refere	ence (optional	LEE'S	SUMMIT, MISSOURI
Premier Building Supply (Springhill	, KS), Spring Hills, KS - 66083,		Run: 8.63 S Ju	l 12 2024 Print: 8 3LYiBGryx5FKIz	3.630 S Jul 12 WQKQ-RfC?F	2024 MiTek In sB70Ha3NSaF	dustries, Inc. We PanL8w3uITXbG	d Sep 25 2 8446 (WrCDoi7J4202?f	11/2024
				- , - , -					
	5-3-0		9-8-14	10-11-2		15-5-0 4-5-14		20-8-0	21-6-8
	000			124		4014		000	0-10-8
				2	4x4 =				
10		12		4x6 I					
		41		3	4				
r, o		4x4 ≠					3x4 ≈		
66 -15		2 Tot					°	14	
<u>3-10-</u> 3-9- 3-9-	13							15	
	1								6 7
			1.0				Ľ		
	☐ 16	17 12 18	19	11 10	9		8		★ 1.10
	4x8 =	3x10 ш		4x6 =			3x6 II		4x8 =
	NAILED	HHUS26-2 LUS24	LUS24	LUS24 8	x10 =				
	5-3-0		9-7-10	11-0-6		15-5-0		20-8-0	
Scale = 1:41.4	5-3-0		4-4-10	1-4-12	<u> </u>	4-4-10		5-3-0	
Plate Offsets (X, Y): [10:0-4-1	2,0-6-0], [11:0-2-8,0-2-0]								
Loading () TCLL (roof) 2	5.0 Plate Grip DOL	2-0-0 1.15	CSI TC	0.50 Ver	FL t(LL) -C	in (loc) 0.10 11-12	l/defl L/d >999 240	PLATES MT20	GRIP 197/144
TCDL 1	0.0 Lumber DOL 0.0 Rop Stress Incr	1.15	BC	0.91 Vei	rt(CT) -0	.17 11-12	>999 180		
BCDL 1	0.0 Code	IRC2018/TPI2014	Matrix-S	0.37 110	12(01) 0	.03 0	11/d 11/d	Weight: 200 lb	FT = 20%
LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x8 SPF No.2 BRACING TOP CHORD Structural woo 4-6-13 oc purl 2-0-0 oc purlin BOT CHORD Rigid ceiling d bracing. REACTIONS (size) 1=0 Max Horiz 1= Max Uplift 1= Max Uplift 1= Max Grav 1=2 FORCES (lb) - Maximur Tension TOP CHORD 1-2=-6065/17' 3-4=-3098/97' 5-6=-3518/103 BOT CHORD 1-12=-1538/50 9-11=-828/327 6-8=-905/3222 WEBS 3-11=-346/133 4-9=-225/815, 5-9=-245/280, NOTES 1) 2-ply truss to be connected (0.131"x3") nails as follows 2) All loads are considered e except if noted as front (F) CASE(S) section. Ply to pl provided to distribute only unless otherwise indicated	bd sheathing directly applied ins, except is (6-0-0 max.): 3-4. irectly applied or 10-0-0 oc i-3-8, 6=0-3-8 67 (LC 17) 678 (LC 8), 6=-371 (LC 9) 823 (LC 1), 6=1586 (LC 1) n Compression/Maximum 17, 2-3=-3527/1050, 3, 4-5=-3331/997, 30, 6-7=0/6 519, 11-12=-1538/5619, 70, 8-9=-905/3224, 4 36, 3-9=-629/194, 2-11=-2575/778, 2-12=-405/1793, 5-8=-63/1 d together with 10d s: follows: 2x4 - 1 row at 0-9-0 as follows: 2x8 - 2 rows : 2x3 - 1 row at 0-9-0 oc. qually applied to all plies, or back (B) face in the LO/ y connections have been loads noted as (F) or (B), i.	 3) Unbalanced this design. 4) Wind: ASCE Vasd=91mpi Ke=1.00; Ca exterior zone Interior (1) 5 10-11-2, Ext 18-0-0 to 21. end vertical forces & MW DOL=1.60 p 5) Provide adee 6) This truss ha chord live los 7) All bearings capacity of 4 8) Provide mec bearing plate joint 1 and 3 9) This truss is International R802.10.2 a 10) Graphical pu or the orient: bottom chord 11) Use Simpso Truss) or eq 6-0-12 from back face of 13) Fill all nail he 14) "NAILED" in per NDS gui LOAD CASE(S) 1) Dead + Ro Plate Increational plate Increational 	roof live loads ha roof live loads ha 7-16; Vult=115m h; TCDL=6.0psf; l a and C-C Exteric 3-0 to 9-8-14, Ex erior(2R) 10-11-2 6-8 zone; cantile left and right expot /FRS for reaction late grip DOL=1.6 quate drainage to as been designed dn onconcurrent are assumed to b 25 psi. hanical connectic a capable of withs 71 lb uplift at join designed in accoo Residential Code nd referenced sta urlin representatio ation of the purlin J. or Strong-Tie HHL 0 or equivalent at s(es) to back face n Strong-Tie LUS uivalent spaced bottom chord. Dies where hange dicates Girder: 3- delines. Standard of Live (balanced ase=1.15	we been consi aph (3-second BCDL=6.0psf; bsed; MWFRS r(2E) 0-1-12 tr tretrior(2E) 9-8- to 18-0-0, Inter- ver left and rig bsed;C-C for m s shown; Lumi 50 oprevent water for a 10.0 psf with any othe be SPF No.2 ci on (by others) standing 678 lb t 6. rdance with the sections R50C andard ANSI/T in does not de along the top JS26-2 (14-100 4-0-13 from the of bottom chi 24 (4-10d Girr tt 2-0-0 oc may 5-5 to connect r is in contact 10d (0.148" x): Lumber Incr	dered for gust) h=35ft; (envelope) o 5-3-0, 14 to erior (1) ht exposed ber r ponding. bottom r live loads. rushing of truss to o uplift at e 2018 12.11.1 and PI 1. pict the size and/or d Girder, e left end to ord. der, 2-10d c. starting at truss(es) to with lumber. 3") toe-nails ease=1.15,	Ur Co	niform Loads (I Vert: 1-3=-70, oncentrated Lo Vert: 11=-228 18=-228 (B), 1	b/ft) 3-4=-70, 4-7=-70 ads (lb) (B), 16=-150 (B), 9=-228 (B) 9=-228 (B) 517E OF M 517E OF M 517E SCOT SEVI 0 0 0 0 0 0 0 0 0 0 0 0 0	1-6=-20 17=-1669 (B), MISSOCH TM. ER BER 018807 LENG SCH TM. ER 27,2024
WARNING - Verify design Design valid for use only with a truss system. Before use, th	parameters and READ NOTES ON MiTek® connectors. This design is e building designer must verify the	THIS AND INCLUDED MITER based only upon parameters applicability of design parame	REFERENCE PAGE shown, and is for an ir ters and properly inco	MII-7473 rev. 1/2/2 ndividual building or porate this design	2023 BEFORE I component, not n into the overa	JSE.		Mi	Tek °

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

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						RELEASE FOR CONSTRUCTION
lob	Truce	Trues Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
360	11035	Truss Type	QUY	I IY		DEVELOPMENT SERVICES
P240989	HG1	Lay-In Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
						· · · · · · · · · · · · · · · · · · ·

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 25 26 44 1 1/2 20 24 ID:Zrbnu0_B6KQUoFbF51cn9lzBdMZ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGI WrCDoi7J42027

3x4 💊

1.5x4 **I**



10

1.5x4 u

1.5x4 u

1.5x4 **I** 8-7-0

3x4 🧳

Scale =	1:38.5
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Plate (Offsets ((X Y)·	[3:0-2-7 Edge]	[4·0-2-7 Edge]
i iaic (2113013 (N, 1).	[0.0 Z 7, Euge],	[+.0 Z 7,Eugo]

- 1010 0110010	(;;; ;): [e:e = :,=age]	,[::::::::::::::::::::::::::::::::::::											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018	3/TPI2014	CSI TC BC WB Matrix-P	0.07 0.03 0.05	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 38 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 2x3 SPF No.2 Structural wood she 6-0-0 oc purlins, ex 2-0-0 oc purlins, 6-C Rigid ceiling directly bracing. (size) 1=8-7-0, 8=8-7-0, Max Horiz 1=110 (LI Max Uplift 1=-32 (LC (LC 13), 9 12) Max Grav 1=98 (LC (LC 20), 8 22), 10=2 (lb) - Maximum Com Tension 1-2=-116/96, 2-3=-1 4-5=-105/86, 5-6=-9	eathing directly applie cept D-0 max.): 3-4. / applied or 10-0-0 or 6=8-7-0, 7=8-7-0, 9=8-7-0, 10=8-7-0 C 9) C 8), 6=-10 (LC 9), 7: 9=-14 (LC 9), 10=-15 : 20), 6=86 (LC 22), 7 8=87 (LC 26), 9=97 (232 (LC 19) npression/Maximum 105/90, 3-4=-93/91, 36/67	3) ed or 5) 6) 7) c 8) 9) =-158 86 (LC 10) 7=232 LC 11 LC	Truss desigr only. For stu see Standari or consult qu Provide aded Gable requir Gable studs This truss ha chord live loa All bearings capacity of 5 Provide mecc bearing plate 1, 10 lb uplift uplift at joint) This truss is International R802.10.2 a) Graphical pu or the orienta bottom chore PAD CASE(S)	hed for wind load uds exposed to v d Industry Gable lailified building of quate drainage t es continuous b spaced at 0-0-0 is been designe ad nonconcurrer are assumed to 65 psi. hanical connect e capable of with t at joint 6, 158 I 9 and 158 lb up designed in acc Residential Coor And referenced si rilin representati ation of the purli d. Standard	ds in the pla wind (norma e End Detai designer as to prevent v ottom chore) oc. d for a 10.0 th with any be SP No.: tion (by other standing 3 b uplift at joint 7 cordance wi de sections tandard AN tion does no n along the	ane of the tru al to the face Is as applical per ANSI/TF vater ponding d bearing.) psf bottom other live loa 2 crushing ers) of truss t 2 lb uplift at j bint 10, 14 lb 7. th the 2018 R502.11.1 a SI/TPI 1. t depict the s top and/or	ss), ole, PI 1. J. ds. ds. oint nd					
WEBS	1-10=-57/90, 9-10=- 7-8=-58/90, 6-7=-57 2-10=-233/183, 3-9=	-58/90, 8-9=-58/90, 7/90 =-71/29, 4-8=-62/8,									E	TE OF I	MISSO
NOTES 1) Unbalanc this desig 2) Wind: AS Vasd=911 Ke=1.00; exterior z and right exposed; reactions DOL=1.6	ced roof live loads have n. CE 7-16; Vult=115mph mph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and f shown; Lumber DOL= 0	e been considered for (3-second gust) CDL=6.0psf; h=35ft; ad; MWFRS (envelop 2E) zone; cantilever I left and right forces & MWFRS for 1.60 plate grip	r De) left							1		S SCOT SEV. NOM PE-2001	T M. HER DI8807 L ENGINE

September 27,2024



							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		
P240989	J1	Jack-Open		11	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springl	nill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Jul 12 2 ID:9RizLT5sxS0Xndv	024 Print: 8.6 /BrCTxOMzW	530 S Jul 12 : VRWk-RfC?F	2024 MiTek Industries, Inc. We PsB70Hq3NSgPqnL8w3uITXb0	d Sep 25 <mark>1213446111/210924</mark> KWrCDoir J4260?f
		-0-10-8		5-11-4			
		0-10-8		5-11-4			



5-11-4	

Scale = 1:25.7 Plate Offsets (X, Y): [2:0-1-8,0-0-5]

	(,, ,). [2:0 : 0,0	0.01											
Loading	(p:	sf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25	5.0	Plate Grip DOL	1.15	тс	0.78	Vert(LL)	-0.07	2-5	>987	240	MT20	244/190
TCDL	10	0.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.14	2-5	>493	180		
BCLL	C	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	4	n/a	n/a		
BCDL	10	0.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%
LUMBER				6) This truss is	s designed in acc	ordance w	ith the 2018						
TOP CHORD	2x4 SP No.2			Ínternationa	al Residential Coo	de sections	R502.11.1	and					
BOT CHORD	2x4 SP No.2			R802.10.2	and referenced st	tandard AN	ISI/TPI 1.						
SLIDER	Left 2x4 SP No	.2 3	-1-13	LOAD CASE(S) Standard								
BRACING													
TOP CHORD	Structural wood	d shea	athing directly applie	ed or									
	5-11-4 oc purlir	ns.											
BOT CHORD	Rigid ceiling di	rectly	applied or 10-0-0 oc										
	bracing.												
REACTIONS	(size) 2=0-	-3-8, 4	= Mechanical, 5=										
	Mex Llaria 2, 00	hanica											
	Max Horiz 2=98		IZ) 0) 4 - 111 (IC 12)										
	Max Gray 2=2		6), 4=-111 (LC 12) (1) 4=201 (LC 1) 5	-110									
	(LC)	30 (LC 3)	(LC 1), 4=201 (LC 1), 5	=110									
FORCES	(lb) - Maximum	Com	pression/Maximum										
	Tension												
TOP CHORD	1-2=-5/0, 2-4=-	-105/5	0										
BOT CHORD	2-5=0/0												
NOTES													
1) Wind: AS	CE 7-16; Vult=11	5mph	(3-second gust)										
Vasd=91r	nph; TCDL=6.0ps	sf; BCI	DL=6.0psf; h=35ft;										
Ke=1.00;	Cat. II; Exp C; En	iclosed	; MWFRS (envelop	e)								000	TOP
exterior Z		erior(21	=) -0-10-8 to 4-1-8, contilover left and riv	abt								OF I	Alson
exposed .	end vertical left a	and ria	ht exposed C-C for	gin							1	TIE	-0.0
members	and forces & MW	/FRS f	or reactions shown:								R	NY SCOT	New York
Lumber D	OL=1.60 plate gri	ip DOI	_=1.60								4	S/ SCOI	M $\gamma \sim \gamma$
2) This truss	has been design	ed for	a 10.0 psf bottom								H.	/ SEVI	
chord live	load nonconcurre	ent wit	h any other live load	ds.							Via	-	. 1 178
3) Bearings	are assumed to b	e: , Jo	int 2 SP No.2 crush	ing							XX/	all 7	XANART
capacity of	ot 565 psi.									1		NUM	BERNYER
Reter to g	praer(s) for truss t	to trus	s connections.								47	DE 2001	010007 HH

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 4 and 81 lb uplift at joint 2.



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

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						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Guy	i iy		DEVELOPMENT SERVICES
P240989	J2	Jack-Open	6	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Barris Bailding Caracha (Caraina)	······································	D., 0.000 L.140.0				

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25126346 1 1/260:24 ID:LHLh4Q15McGO3iR1UyMX85zWRWq-RfC?PsB70Hq3NSgPqnL8w3ulTx6GKWrCDoi7342/C?





Scale = 1:24.2	
Plate Offsets (X, Y):	[2:0-1-8,0-0-5]

	2.0 1 0,0 0 0]												
_oading	(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	0.32	Vert(LL)	-0.01	2-5	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	2-5	>999	180			
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%	
UMBER			6) This truss is	designed in ac	cordance w	ith the 2018							

3-10-3

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 Left 2x4 SP No.2 -- 2-0-10 SLIDER BRACING Structural wood sheathing directly applied or TOP CHORD 3-10-3 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS (size) 2=0-3-8, 4= Mechanical, 5= Mechanical Max Horiz 2=68 (LC 12) Max Uplift 2=-67 (LC 8), 4=-73 (LC 12) Max Grav 2=239 (LC 1), 4=125 (LC 1), 5=76 (LC 3) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=-5/0, 2-4=-76/31 BOT CHORD 2-5=0/0

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) 1) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.

3) Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.

- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 4 and 67 lb uplift at joint 2.

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

LOAD CASE(S) Standard



September 27,2024



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

						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	J3	Jack-Open	6	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
			-			

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512 6346 1 1/269:24 ID:LHLh4Q15McGO3iR1UyMX85zWRWq-RfC?PsB70Hq3NSgPqnL8w3ulTx6GKWrCDoi7942/C?







3x4 🛛

1	1-10-3

Scale = 1:23.5 Plate Offsets (X, Y): [2:0-1-8.0-0-5]

	(, .). [=											
Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.06 0.04	DEFL Vert(LL) Vert(CT)	in 0.00 0.00	(loc) 2-5 2-5	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB Matrix D	0.00	Horz(CT)	0.00	4	n/a	n/a	Maisht: Olh	FT 200/
BCDL	10.0	Code	IRC2018/1PI2014	Matrix-P				-			weight: 9 lb	FI = 20%
LUMBER TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2	1 5 9	6) This truss i Internation R802.10.2	s designed in acc al Residential Coc and referenced st	ordance wi de sections andard AN	ith the 2018 R502.11.1 a ISI/TPI 1.	and					
SLIDER	Leit 2x4 SF 110.2	1-0-0	LUAD CASE(3) Stanuaru								
TOP CHORD	Structural wood she 1-10-3 oc purlins.	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	c									
REACTIONS	(size) 2=0-5-8, 4 Mechanic Max Horiz 2=40 (LC Max Uplift 2=-57 (LC Max Grav 2=158 (LC (LC 3)	4= Mechanical, 5= cal 12) C 8), 4=-35 (LC 12) C 1), 4=50 (LC 1), 5:	=37									
FORCES	(lb) - Maximum Com Tension	npression/Maximum										
TOP CHORD BOT CHORD	1-2=-5/0, 2-4=-43/16 2-5=0/0	6										
NOTES												
 Wind: ASt Vasd=91r Ke=1.00; exterior zc and right exposed;(reactions DOL=1.60 	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed ; end vertical C-C for members and f shown; Lumber DOL= 0	n (3-second gust) CDL=6.0psf; h=35ft; sd; MWFRS (envelop 2E) zone; cantilever l left and right forces & MWFRS for 1.60 plate grip	pe) left							ł	STATE OF	MISSOLUTIA
2) This truss chord live	has been designed fo load nonconcurrent w	r a 10.0 psf bottom ith any other live loa	ds.						Ľ	80	SEV	
 a) Bearings capacity c A) Befor to a 	are assumed to be: , Jo of 565 psi.	oint 2 SP No.2 Crush	hing							K	LOT NUR	Server>
5) Provide m	nuer(s) for truss to tru	(by others) of truss t	0							N	PE-2001	1018807

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 2 and 35 lb uplift at joint 4.



SSIONAL E

September 27,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	J4	Jack-Closed	3	1	Job Reference (optional	I68479966 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:v0F888O3WtPtKy	2024 Print: 8 Dp5Xbz8d	8.630 S Jul 1 zZls3-RfC?P	2 2024 MiTek Industries, Inc. We sB70Hq3NSgPqnL8w3uITXbGK	d Sep 2512644 11/2024
		5	-7-8			
					1.5x4 u	
		4	1 <u>2</u>		3	
		3x4 =			5	
		2				
	2-6-8	fo]	<u> </u>			2-6-8
		1				
	0-8-0				4	
		\bigotimes				
		3x4 II			1.5x4 ॥	
Scale = 1:23.2		5	-7-8			

Plate Offsets (X, Y): [1:0-1-8,0-5-5]

	[1.0 1 0,0 0 0]												
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	0.74	Vert(LL)	-0.06	1-4	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	1-4	>594	180			
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%	
LUMBER			LOAD CASE(S) Standard									

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x3 SPF No.2
SLIDER	Left 2x4 SP No.2 2-10-8
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
	0
REACTIONS	(size) 1=0-3-8, 4= Mechanical
REACTIONS	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9)
REACTIONS	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12)
REACTIONS	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12) Max Grav 1=248 (LC 1), 4=248 (LC 1)
REACTIONS	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12) Max Grav 1=248 (LC 1), 4=248 (LC 1) (lb) - Maximum Compression/Maximum
REACTIONS	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12) Max Grav 1=248 (LC 1), 4=248 (LC 1) (lb) - Maximum Compression/Maximum Tension
REACTIONS FORCES TOP CHORD	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12) Max Grav 1=248 (LC 1), 4=248 (LC 1) (Ib) - Maximum Compression/Maximum Tension 1-3=-135/83, 3-4=-193/263
REACTIONS FORCES TOP CHORD BOT CHORD	(size) 1=0-3-8, 4= Mechanical Max Horiz 1=105 (LC 9) Max Uplift 1=-45 (LC 8), 4=-64 (LC 12) Max Grav 1=248 (LC 1), 4=248 (LC 1) (Ib) - Maximum Compression/Maximum Tension 1-3=-135/83, 3-4=-193/263 1-4=-45/49

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Ke=1.00; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 5-0-0, Interior (1) 5-0-0 to 5-6-4 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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 Bearings are assumed to be: Joint 1 SP No.2 crushing
- capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 1 and 64 lb uplift at joint 4.
- 6) 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.





						RELEASE FOR CONSTRUCTION
lob	Truss		Otv	Plv		AS NOTED FOR PLAN REVIEW
366	11033	Truss Type	Quy	I IY		DEVELOPMENT SERVICES
P240989	J5	Jack-Open	2	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI





1-10-15





= 1:23.4			
Offsets (X, Y):	[2:0-1-8.0-0-5]		

Scale

Plate Offsets ((X, Y): [2:0-1-8,0-0-5]											
Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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	0.07 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	PLATES MT20 Weight: 9 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 Left 2x4 SP No.2 Structural wood she 1-10-15 oc purlins. Rigid ceiling directly bracing. (size) 2=0-3-8, , Mechanic Max Horiz 2=35 (LC Max Uplift 2=-29 (LC Max Grav 2=118 (LC	1-5-8 athing directly applie applied or 10-0-0 oc 4= Mechanical, 5= ial 12) 2 8), 4=-40 (LC 12) C 1), 4=63 (LC 1), 5=	6) This truss is International R802.10.2 a LOAD CASE(S) d or	designed in accorda Residential Code so nd referenced stand Standard	ance w ections ard AN	ith the 2018 R502.11.1 a ISI/TPI 1.	nd					
FORCES TOP CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91n Ke=1.00; (exterior zc and right e exposed;C reactions s DOL=1.60 2) This truss chord live 3) Bearings a capacity o 4) Refer to gi 5) Provide m bearing pla 2 and 40 ll	(lb) - Maximum Corr Tension 1-2=-14/0, 2-4=-51/ 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 C-C for members and f shown; Lumber DOL=) has been designed fo load nonconcurrent w are assumed to be: , J of 565 psi. irder(s) for truss to tru techanical connection ate capable of withstar b uplift at joint 4.	Appression/Maximum 17 17 10 10 10 10 10 10 10 10 10 10	e) eft ds. ing o						2		STATE OF D STATE OF D SCOT SEV PE-2001 PE-2001	MISSOLUE T.M. HER 018807

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)



September 27,2024

						RELEASE FOR CONSTRUCTION
lob	Truss	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Giy	i iy		DEVELOPMENT SERVICES
P240989	J6	Jack-Open	3	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wid Sep 25 25 25 44 1 1/2 2024 MiTek Industries, Inc. Wid Sep 25 26 4 1





3-11-4

Londing (pof)	Specing	200	0.01	DEEL	in	(10.0)	l/dofl	I /d	
Plate Offsets (X, Y): [2:0-1-8,0-0-5]									
Scale = 1:24.2									

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)	-0.01	2-5	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.03	2-5	>999	180			
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%	
			6) This trus	s is designed in acco	ordance wi	ith the 2018							
	2x4 SP No 2		Internati	onal Residential Cod	le sections	R502.11.1	and						
BOT CHORD	2x4 SP No 2		R802.10	.2 and referenced st	andard AN	ISI/TPI 1.							
SLIDER	Left 2x4 SP No.2 2	2-1-3	LOAD CASE	E(S) Standard									
BRACING				(-)									
TOP CHORD	Structural wood she	athing directly appli	ed or										
	3-11-4 oc purlins.	0 7 11											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	C										
	bracing.												
REACTIONS	(size) 2=0-3-8, 4	4= Mechanical, 5=											
	Mechanic	al											
	Max Horiz 2=64 (LC	12)											
	Max Opilit 2=-43 (LC	(10, 12)	F 77										
		5 1), 4=134 (LC 1),	5=77										
FORCES	(lb) - Maximum Corr	pression/Maximum											
IOROLO	Tension	ipression/maximum											
TOP CHORD	1-2=-14/0. 2-4=-79/3	33											
BOT CHORD	2-5=0/0												
NOTES													
1) Wind: AS	CE 7-16: Vult=115mph	(3-second aust)											
Vasd=91r	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;											
Ke=1.00;	Cat. II; Exp C; Enclose	d; MWFRS (envelo	pe)									Th	
exterior zo	one and C-C Exterior(2	E) zone; cantilever	left								OF	MIG D	
and right	exposed ; end vertical	left and right									ALEUT	15SOU	
exposed;	C-C for members and f	orces & MWFRS for	r							6	A.M.	N.S.	
POL -1 6	snown; Lumber DOL=	1.60 plate grip								B	SCOT	M. YZY	
2) This trues	, has been designed fo	r a 10.0 nsf bottom								R	/ SEVI	ER \Y	
chord live	load nonconcurrent wi	ith any other live loa	ids.								1	1 * 1	5
3) Bearings	are assumed to be: , Jo	oint 2 SP No.2 crush	hing							2	the	.l	K
capacity o	of 565 psi.									K.	A CINA	KON MO	D
Refer to g	irder(s) for truss to tru	ss connections.							-	14	DE 2001	018807 198	_

Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 76 lb uplift at joint 4 and 43 lb uplift at joint 2.





JobTrussTruss TypeQtyPlyAs NCP240989J7Jack-Open101Job Reference (optionalLEEPremier Building Supply (Springhill, KS), Spring Hills, KS - 66083,Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 292 faxID:26Cqk1RxPA4f_2Jnuv_JayzDuSQ-RIC?PsB70Hq3NSgPqnL&W3uITXbGK WrCD0i7Jz_Jeff $-0-11-0$ $5-2-4$ $4 \mid C$ $4 \mid C$ $4 \mid C$ $3x4 = 6$ 3 <td< th=""><th>RELEASE FOR CONSTRUCTION</th></td<>	RELEASE FOR CONSTRUCTION
P240989J7Jack-Open101Job Reference (optional LEEPremier Building Supply (Springhill, KS), Spring Hills, KS - 66083,Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. We d Sep 232 GAID:26Cqk1RxPA4f_2Jnuv_layzDuSQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGK WrCDoi7Jz.2044 $\frac{ -0-11-0 }{0-11-0 }$ $5-2-4$ $\frac{12}{ -11-0 }$ $5-2-4$ $\frac{12}{ -11-0 }$ $3x4 = 6$ $3x4 = 6$ 3 <	AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083, Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MTek Industries, Inc. We d Sep 29 2 2 4 ID:26Cqk1RxPA4f_2Jnuv_layzDuSQ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGK VrCDoi71 2 2 4 ID:26Cqk1RxPA4f_2Dinv_layzDuSQ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGK VrCDoi71 4 4 ID:26Cq	168479969 LEE'S SUMMIT, MISSOURI
$\begin{vmatrix} -0-11-0 & 5-2-4 \\ \hline 0-11-0 & 5-2-4 \end{vmatrix}$ $4 \begin{vmatrix} 12 \\ -4 \\ 3x4 = 6 \\ 3 \\ -3 \\ -3 \\ -3 \\ -3 \\ -3 \\ -3 \\ -$	1201/11/2024
$4 \downarrow 2$ $3x4 = 6$ 3 3 $4 \downarrow 2$ $3x4 = 6$ 3 3 4	
24-12	_
	-
3х4 и	

Scale =	1:25
---------	------

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

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	0.60	Vert(LL)	-0.04	2-5	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.08	2-5	>743	180		
BCLL		0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 22 lb	FT = 20%
LUMBER				6) This truss	is designed in acco	ordance wi	th the 2018						
TOP CHORD	2x4 SP N	0.2		Ínternation	al Residential Cod	e sections	R502.11.1 a	and					
BOT CHORD	2x4 SP N	0.2		R802.10.2	and referenced sta	andard AN	ISI/TPI 1.						
SLIDER	Left 2x4 \$	SP No.2 2	2-9-1	LOAD CASE(S) Standard								
BRACING													
TOP CHORD	Structura	I wood she	athing directly applie	ed or									
	5-2-4 oc	purlins.											
BOT CHORD	Rigid cei	ing directly	applied or 10-0-0 o	С									
	bracing.												
REACTIONS	(size)	2=0-5-8, 4	4= Mechanical, 5=										
		Mechanic	al										
	Max Horiz	2=88 (LC	12)										
	Max Uplift	2=-78 (LC	58), 4=-97 (LC 12)										
	Max Grav	2=301 (LC	5 1), 4=174 (LC 1), 8	5=102									
505050		(LC 3)											
FURCES	(ID) - IVIA) Tension	amum Com	ipression/iviaximum										
TOP CHORD	1-2=-4/0,	2-4=-93/43	3										
BOT CHORD	2-5=0/0												
NOTES													
1) Wind: AS	CE 7-16; Vu	ılt=115mph	(3-second gust)										
Vasd=91r	mph; TCDL=	=6.0psf; BC	DL=6.0psf; h=35ft;										
Ke=1.00;	Cat. II; Exp	C; Enclose	d; MWFRS (envelop	pe)									all a
exterior zo	one and C-0	CExterior(2	E) -0-11-0 to 4-1-0,									OF	ALC D
Interior (1) 4-1-0 to 5-	1-8 zone; c	antilever left and rig	pht								ACEUT	NOS SCH
exposed ;	end vertica	l left and rig	ght exposed;C-C for	•							6		N.V.

members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.602) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads.Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.

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

 Frovide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 4 and 78 lb uplift at joint 2.



September 27,2024





							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	J8	Jack-Open		1	1	loh Reference (ontional)	DEVELOPMENT SERVICES 168479970 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	hill, KS), Spring Hills, KS - 66083,	<u> </u>	Run: 8.63 S Jul 12 2 ID:NDoWLUOhHBXk	024 Print: 8.6 x6o?fF6Chrz	330 S Jul 12 : Zls2-RfC?Ps	2024 MiTek Industries, Inc. We B70Hq3NSgPqnL8w3uITXbG	d Sep 2512694/11/2024
		1	0.11.0	2 40 2			
		-	0-11-0	3-10-3			



3-10-3

Scale = 1:24.2		

5	J
5	5

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	0.32	Vert(LL)	-0.01	2-5	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.17	Vert(CT)	-0.02	2-5	>999	180		
BCLL		0.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL		10.0	Code	IRC20	18/TPI2014	Matrix-P							Weight: 16 lb	FT = 20%
				F	3) This truss is	designed in acc	ordance w	ith the 2018						
TOP CHORD	2v4 SP No	2		,	International	Residential Coc	le sections	R502.11.1	and					
BOT CHORD	2x4 SP No).Z			R802.10.2 a	nd referenced st	andard AN	ISI/TPI 1.						
SUDER	Left 2x4 S	P No 2 3	2-0-10		OAD CASE(S)	Standard								
BRACING	LOIT EXT O	1 110.2		-		Otandara								
	Structural	wood she	athing directly appli	ad or										
	3-10-3 00	nurling	ating arcety appli											
BOT CHORD	Rigid ceili	na directly	applied or 10-0-0 o	с										
	bracing.													
REACTIONS	(size)	2=0-5-8.4	l= Mechanical. 5=											
	()	Mechanic	al											
	Max Horiz	2=69 (LC	12)											
	Max Uplift	2=-69 (LC	8), 4=-72 (LC 12)											
	Max Grav	2=242 (LC	C 1), 4=125 (LC 1),	5=76										
		(LC 3)	,, ,, ,,											
FORCES	(lb) - Maxi	mum Com	pression/Maximum											
	Tension													
TOP CHORD	1-2=-4/0, 2	2-4=-75/31												
BOT CHORD	2-5=0/0													
NOTES														
1) Wind: AS	CE 7-16; Vul	t=115mph	(3-second gust)											
Vasd=91	mph; TCDL=6	6.0psf; BC	DL=6.0psf; h=35ft;											
Ke=1.00;	Cat. II; Exp C	C; Enclose	d; MWFRS (envelop	be)									000	TIL
exterior z	one and C-C	Exterior(2	E) zone; cantilever	left									OFM	ALC D
and right	exposed ; en	d vertical	ett and right										Fre	NOSCIE
exposed;	C-C for mem	pers and f	DICES & MIVERS for									6	AN'	N.S.Y

- reactions shown; Lumber DOL=1.60 plate grip DOL=1.602) This truss has been designed for a 10.0 psf bottom
- chord live load nonconcurrent with any other live loads.
- Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
 A) Poter to gird(g) for trues to trues connections.
- Refer to girder(s) for truss to truss connections.
 Provide mechanical connection (by others) of truss to
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 4 and 69 lb uplift at joint 2.





						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
300	11035	Thuss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	J9	Jack-Open	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		•				10/11/0001

1-3-6

0-8-0

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 2 334/1 1/2 334/1 1/2 344/1 1/2

1-3-6







5



1-10-3

3x4 🛛

Sca	le = 1:23	3.5		

Plate Offsets (2	X, Y):	[2:0-1-8,0-0-5	5
------------------	--------	----------------	---

Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15		CSI TC BC	0.06 0.04	DEFL Vert(LL) Vert(CT)	in 0.00 0.00	(loc) 2-5 2-5	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018	3/TPI2014	Matrix-P							Weight: 9 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD SLIDER	2x4 SP No.2 2x4 SP No.2 Left 2x4 SP No.2 1	-5-8	6) LO	This truss is o International R802.10.2 ar OAD CASE(S)	designed in accord Residential Code s id referenced stan Standard	lance w sections dard AN	ith the 2018 \$ R502.11.1 a ISI/TPI 1.	nd					
TOP CHORD	Structural wood shea 1-10-3 oc purlins.	athing directly applie	d or										
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc											
REACTIONS	(Si2e) 2=0-5-8, 4 Mechanica Max Horiz 2=40 (LC Max Uplift 2=-60 (LC Max Grav 2=163 (LC (LC 3)	= Mechanical, 5= al 12) 8), 4=-35 (LC 12) : 1), 4=48 (LC 1), 5=	37										
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD BOT CHORD	1-2=-4/0, 2-4=-43/16 2-5=0/0												
NOTES 1) Wind: ASC Vasd=91m Ke=1.00; (exterior zo and right e exposed; C reactions s DOL=1.60 2) This truss chord live 3) Bearings a	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BCI Cat. II; Exp C; Enclosed ne and C-C Exterior(2) exposed ; end vertical lo C-C for members and for shown; Lumber DOL=1 has been designed for load nonconcurrent with are assumed to be: , Joc	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop 2) zone; cantilever le eft and right prces & MWFRS for .60 plate grip a 10.0 psf bottom h any other live load int 2 SP No.2 crush	e) ht Is.								R	STATE OF M SEVI	AISSOLD M. ER

- 3 capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 60 lb uplift at joint 2 and 35 lb uplift at joint 4.





							RELEASE FOR CONSTRUCTION
lob	Truce	Trues Type		Otv	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type		Qly	I IY		DEVELOPMENT SERVICES
P240989	J10	Jack-Open		4	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	nill KS) Spring Hills KS - 66083	Rup	8 63 S Jul 12 20)24 Print: 8.6	30 S. Jul 12 3	2024 MiTek Industries Inc. We	

Suppiy (Springnill, r (S), Spring ID:LS7TCQWKmKyfK7L7otcxMQzDuSJ-RfC?PsB70Hq3NSgPqnL8w3uITXb3KWrCDorrJsziC?f





3-1-3

Loading	(nsf)	Spacing	2-0-0	CSI	DEEL	in	(loc)	l/defl	L/d	
Plate Offsets (X, Y): [2	::0-1-8,0-0-5]									
Scale = 1:23.7										

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	0.19	Vert(LL)	-0.01	2-5	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.11	Vert(CT)	-0.01	2-5	>999	180		
BCLL		0.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL		10.0	Code	IRC201	8/TPI2014	Matrix-P							Weight: 14 lb	FT = 20%
LUMBER				6) This truss is	designed in acc	ordance wi	th the 2018						
TOP CHORD	2x4 SP N	0.2			International	Residential Co	de sections	R502.11.1 a	and					
BOT CHORD	2x4 SP N	0.2			R802.10.2 ar	nd referenced s	tandard AN	SI/TPI 1.						
SLIDER	Left 2x4 S	SP No.2 1	-7-14	L	OAD CASE(S)	Standard								
BRACING					.,									
TOP CHORD	Structura	I wood shea	athing directly appli	ed or										
	3-1-3 oc	ourlins.												
BOT CHORD	Rigid ceil	ing directly	applied or 10-0-0 o	C										
	bracing.													
REACTIONS	(size)	2=0-5-8, 4	l= Mechanical, 5=											
		Mechanica	al											
	Max Horiz	2=58 (LC	12)											
	Max Uplift	2=-65 (LC	8), 4=-58 (LC 12)	~										
	Max Grav	2=210 (LC	51), 4=97 (LC 1), 5	=61										
500050	(11-)	(LC 3)												
FURGES	Tension	imum Com	pression/maximum											
TOP CHORD	1-2=-4/0,	2-4=-60/25	i											
BOT CHORD	2-5=0/0													
NOTES														
1) Wind: ASC	CE 7-16; Vu	lt=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
- This truss has been designed for a 10.0 psf bottom 2) chord live load nonconcurrent with any other live loads.
- 3) Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
- Refer to girder(s) for truss to truss connections. 4)
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 58 lb uplift at joint 4 and 65 lb uplift at joint 2.



September 27,2024

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

 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)

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P240989	J11	Jack-Open	1	1	Job Reference (optional	168479973 LEE'S SUMMIT, MISSOURI
Premier Building Suppl	ly (Springhill, KS), Spring Hills, KS - 660	33,	Run: 8.63 S Jul 12 2024 Print: 8. ID:NDoWLUOhHBXkx6o?fF6Chr.	630 S Jul 12 zZls2-RfC?Ps	2024 MiTek Industries, Inc. We sB70Hq3NSgPqnL8w3uITXbG	d Sep 2512644/11/2024
			3-10-3			
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		89 0-0			——————————————————————————————————————	

3-10-3

4

Scale = 1:21.4			Γ					1				
Plate Offsets ()	K, Y): [1:0-1-8,0-0-5]											
Loading TCLL (roof) TCDL BCLL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI TC BC WB	0.36 0.17 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 -0.01	(loc) 1-4 1-4	l/defl >999 >999	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P	0.00		0.01	U		1.0	Weight: 15 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD SLIDER BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.2 Left 2x4 SP No.2	2-0-10 eathing directly applie v applied or 10-0-0 or 3= Mechanical, 4= ral 8) C 8), 3=-75 (LC 8) C 1), 3=133 (LC 1), 4	6) This truss is Internationa R802.10.2 LOAD CASE(S ed or c	s designed in ac al Residential C and referenced) Standard	ccordance w ode sections standard AN	ith the 2018 s R502.11.1 i NSI/TPI 1.	and					
FORCES	(lb) - Maximum Com Tension 1-3=-78/33	npression/Maximum										
BOT CHORD	1-4=0/0											
NOTES 1) Wind: ASC Vasd=91m Ke=1.00; C exterior zon and right e exposed;C reactions s	E 7-16; Vult=115mph ph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose ne and C-C Exterior(2 xposed ; end vertical -C for members and f hown; Lumber DOL=	a (3-second gust) DL=6.0psf; h=35ft; ed; MWFRS (envelop 2E) zone; cantilever l left and right forces & MWFRS for 1.60 plate grip	be) left							ä	THE OF I	MISSOUR

3x4 ı

1

DOL=1.602) This truss has been designed for a 10.0 psf bottom

chord live load nonconcurrent with any other live loads.Bearings are assumed to be: , Joint 1 SP No.2 crushing capacity of 565 psi.

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

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 22 lb uplift at joint 1 and 75 lb uplift at joint 3.



September 27,2024



							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035	Truss Type			i iy		DEVELOPMENT SERVICES
P240989	J12	Jack-Open		4	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spr	nghill, KS), Spring Hills, K	S - 66083,	Run: 8.63 S Jul 12 2 ID:WZIdVAfDAiL59pł	024 Print: 8.0 FyhJWJIzD	630 S Jul 12 uS8-RfC?Psl	2024 MiTek Industries, Inc. We 370Hq3NSgPqnL8w3uITXbGK	d Sep 25 <mark>12644/11/2100:24</mark> WrCDoi7J4zJ9?/

<u>-0-11-0</u> <u>1-1-3</u> 0-11-0 <u>1-1-3</u> 4 ¹²



3x4 =



Scale = 1:31.9

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

Loading TCLL (roof) TCDL BCLL BCDL	(ps 25. 10. 0. 10.	f) .0 .0 .0 .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	0.09 0.01 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 5 5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 6 lb	GRIP 197/144 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.2 2x4 SP No.2 2x4 SP No.2 *E: Structural wood 1-1-3 oc purlins Rigid ceiling dire bracing.	shea shea , exc ectly	t* 4-2:2x3 SPF No.2 athing directly applie cept end verticals. applied or 10-0-0 oc	6) L(d or	This truss is of International R802.10.2 ar DAD CASE(S)	designed in accord Residential Code s d referenced stand Standard	lance wi sections dard AN	th the 2018 R502.11.1 ar SI/TPI 1.	nd						_
FORCES	(size) 3= M 5=0-5 Max Horiz 5=26 Max Uplift 3=-9 8) Max Grav 3=14 (LC 1	ecnal 5-8 (LC (LC 1 (LC 1) Com	nıcaı, 4= mecnanica 11) 1), 4=-7 (LC 8), 5=-7 8), 4=19 (LC 3), 5=1 pression/Maximum	ı, 5 (LC 59											
TOP CHORD BOT CHORD WEBS	Tension 2-5=-149/176, 1 4-5=-59/10 2-4=-11/65	-2=0,	/24, 2-3=-24/9												
 Wind: ASC Vasd=91m Ke=1.00; C exterior zoi and right e exposed;C reactions s DOL=1.60 This truss I chord live I Bearings a capacity of Refer to gii Provide me bearing pla 5, 7 lb uplif 	E 7-16; Vult=115 ph; TCDL=6.0psf Cat. II; Exp C; Enc ne and C-C Exter xposed ; end vert -C for members a shown; Lumber Do has been designe oad nonconcurre re assumed to be 565 psi. rder(s) for truss t echanical connect ate capable of with it at joint 4 and 9 l	mph ; BCI closection ical le and for DL=1 ed for nt wit :: , Jo o trustion (I nstan b upl	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever le eft and right borces & MWFRS for .60 plate grip a 10.0 psf bottom th any other live load oint 5 SP No.2 crush as connections. by others) of truss to ding 75 lb uplift at jo lift at joint 3.	e) eft ds. ing o int							Å		State OF M SCOTT SEVI NUM PE-20010 September	MISSOLUTION M. ER DI8807 ER DI8807 ER DI8807 ER DI8807 ER DI8807 ER DI8807 ER DI8807 ER DI8807 ER DI8 DI8 DI DI DI DI DI DI DI DI DI DI DI DI DI	P



						RELEASE FOR CONSTRUCTION
lob	Truce	Truce Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	J13	Jack-Closed Girder	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

1-6-12

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512 634/1 1/269:24 ID:IF2X84tDX90jfxwFsa?tDgzDusz-RfC?PsB70Hq3NSgPqnL8w3uITXbGKW CDoi7J4zuCH/1 1/269:24





HUS26

2-8-4

Scale = 1:23.1

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 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 IRC201	8/TPI2014	CSI TC BC WB Matrix-P	0.50 0.32 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 0.00	(loc) 1-3 1-3 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 12 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD NOTES 1) Wind: ASC Vasd=91m Ke=1.00; 0 exterior zo and right e exposed; 0 reactions s DOL=1.60 2) This truss chord live 3) Bearings a crushing c	2x4 SP No.2 2x6 SP 2400F 2.0E 2x4 SP No.2 Structural wood sheat 2-8-4 oc purlins, exa Rigid ceiling directly bracing. (size) 1=0-5-8, 3 Max Horiz 1=54 (LC Max Uplift 1=-210 (L Max Grav 1=1068 (L (lb) - Maximum Com Tension 1-2=-80/48, 2-3=-81, 1-3=-23/25 CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC Cat. II; Exp C; Enclose one and C-C Exterior(2 exposed; end vertical 1 -C for members and for shown; Lumber DOL=1 has been designed for load nonconcurrent wi are assumed to be: Joi apacity of 805 psi.	athing directly applie cept end verticals. applied or 10-0-0 oc 3= Mechanical 9) C 8), 3=-85 (LC 12) .C 1), 3=384 (LC 1) pression/Maximum /123 (3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever le fet and right orces & MWFRS for 1.60 plate grip r a 10.0 psf bottom th any other live loac nt 1 SP 2400F 2.0E	 a) b) b) c) c	Use Simpsor Truss, Single left end to co chord. Fill all nail ho In the LOAD of the truss a DAD CASE(S) Dead + Roo Plate Increa Uniform Loa Vert: 1-2: Concentrate Vert: 4=-	a Strong-Tie HUS2 Ply Girder) or eq nnect truss(es) to les where hanger CASE(S) section, re noted as front (Standard of Live (balanced): ise=1.15 ads (lb/ft) =-70, 1-3=-20 ed Loads (lb) 1244 (B)	26 (14-1(uivalent i back fac is in con loads ar (F) or bac Lumber	0d Girder, 4-1 at 0-9-0 from e of bottom tact with lum opplied to the f ck (B). Increase=1.	IOd the ber. face 15,				STATE OF M	MISSOURI ER
5) Provide m	achanical connection (by others) of trues to									20		

- Provide mechanical connection (b bearing plate capable of withstanding 210 lb uplift at joint 1 and 85 lb uplift at joint 3. This truss is designed in accordance with the 2018
- 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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



NUMBER

PE-2001018807

September 27,2024

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						RELEASE FOR CONSTRUCTION
lob	Truss	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
366	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	J14	Jack-Open	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
	•					

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512 634/11 1/269:24 ID:Evhj8a672?P1RstvU4rKUgzDusg-RfC?PsB70Hq3NSgPqnL8w3uITXbGK rCDoi7J4zJoff





2-8-4

	Question	0.0.0	001	 in (l.s.s)	1/-10	1.74	-	_
Plate Offsets (X, Y): [2:0-1-8,0-0-5]								
Scale = 1:23.5				1				

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Loading	(r	osf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	2	5.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	2-5	>999	240	MT20	244/190
TCDL	1	0.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	2-5	>999	180		
BCLL		0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	1	0.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%
				6) This truss is	designed in acc	ordance wi	th the 2018						
	2x4 SP No 2			Internationa	Residential Co	de sections	R502.11.1 a	and					
BOT CHORD	2x4 SP No 2			R802.10.2 a	nd referenced st	tandard AN	SI/TPI 1.						
SLIDER	Left 2x4 SP No	0.2 1	-5-12	LOAD CASE(S)	Standard								
BRACING				(-)									
TOP CHORD	Structural woo	od shea	thing directly applie	d or									
	2-8-4 oc purlin	ıs.	0 , 11										
BOT CHORD	Rigid ceiling d bracing.	lirectly a	applied or 10-0-0 oc	:									
REACTIONS	(size) 2=0)-5-8, 4	= Mechanical, 5=										
	Med	chanica	l										
	Max Horiz 2=5	52 (LC 1	12)										
	Max Uplift 2=-6	63 (LC	8), 4=-50 (LC 12)										
	Max Grav 2=1 (LC	93 (LC 3)	1), 4=81 (LC 1), 5=	-52									
FORCES	(lb) - Maximun Tension	n Comp	pression/Maximum										
TOP CHORD	1-2=-4/0, 2-4=	-54/22											
BOT CHORD	2-5=0/0												
NOTES													
 Wind: ASC 	CE 7-16; Vult=11	15mph ((3-second gust)										
Vasd=91m	nph; TCDL=6.0p	sf; BCE	DL=6.0psf; h=35ft;										
Ke=1.00; (Cat. II; Exp C; Er	nclosed	; MWFRS (envelop	e)								000	TIC
exterior zo	one and C-C Exte	erior(2E) zone; cantilever l	eft								8. OF	ALC D
and right e	exposed ; end ve	ertical le	eft and right									FIE	1050 0
reactions of	shown: Lumber I		60 plate grip								6	S	NSY
DOI = 1.60		DOL-1	.00 plate grip								B	SCOT	IM. YE Y
 2) This truss 	has been desigr	ned for	a 10.0 psf bottom								B	/ SEVI	ER \ X
chord live	load nonconcurr	rent witl	h any other live load	ds.							8		0 1*
3) Bearings a	are assumed to b	be: , Jo	int 2 SP No.2 crush	ing							1Yr	J. U. Z.	Neria AT
capacity o	f 565 psi.									-	N-	NUM	RER

- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 4 and 63 lb uplift at joint 2.



PE-200101880'

SIONAL ET

September 27,2024

						RELEASE FOR CONSTRUCTION
lob	Trues	Truss Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P240989	J15	Jack-Open	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
					· · · · · · · · · · · · · · · · · · ·	

1-3-6

0-8-0

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512 634/1 1/269:24 ID:NDoWLUOhHBXkx6o?fF6ChrzZls2-RfC?PsB70Hq3NSgPqnL8w3ulTXbG {WrCDoi7342w3ff





1

3x4 II

2

For

1-10-3



Scale = 1:20.8	

Plate Offsets (X, Y): [1:0-1-8,0-0-5]

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	0.07	Vert(LL)	0.00	1-4	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.04	Vert(CT)	0.00	1-4	>999	180		
BCLL		0.0	Rep Stress Incr	YES		WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL		10.0	Code	IRC2018/	TPI2014	Matrix-P	-	-					Weight: 8 lb	FT = 20%
LUMBER				6)	This truss is	designed in acco	ordance wi	th the 2018						
TOP CHORD	2x4 SP N	o.2			International	Residential Code	e sections	R502.11.1 a	ind					
BOT CHORD	2x4 SP N	o.2			R802.10.2 ar	nd referenced sta	andard AN	SI/TPI 1.						
SLIDER	Left 2x4 S	SP No.2 1	1-5-8	LOA	AD CASE(S)	Standard								
BRACING														
TOP CHORD	Structural	l wood she	athing directly applie	d or										
BOT CHORD	Rigid ceili bracing.	ing directly	applied or 10-0-0 oc											
REACTIONS	(size)	1=0-5-8, 3 Mechanic	3= Mechanical, 4= al											
	Max Horiz	1=43 (LC	8)											
	Max Uplift	1=-7 (LC 8	8), 3=-40 (LC 8)											
	Max Grav	1=83 (LC	1), 3=64 (LC 1), 4=3	7										
		(LC 3)												
FORCES	(lb) - Max Tension	imum Com	pression/Maximum											
TOP CHORD	1-3=-52/1	6												
BOT CHORD	1-4=0/0													
NOTES														
1) Wind: AS(CE 7-16: Vu	lt=115mph	(3-second gust)											
Vasd=91n	nph; TCDL=	6.0psf; BC	DL=6.0psf; h=35ft;											
Ke=1.00;	Cat. II; Exp	C; Enclose	d; MWFRS (envelop	e)										The
exterior zo	one and C-C	Exterior(2	E) zone; cantilever le	eft									OF M	ALC: NO
and right e	exposed ; er	nd vertical I	eft and right										ALE OF T	IIS'S
exposed;0	C-C for mem	bers and fo	prces & MWFRS for									A		1.3
reactions DOL=1.60	shown; Lum)	iber DOL=1	1.60 plate grip									A	SCOT	M. P.Y.
2) This truss	has been d	esigned for	a 10.0 psf bottom									И.	/ SEVI	
chord live	load noncor	ncurrent wi	th any other live load	ls.								NO*	1	X X
Bearings a	are assume	d to be: . Jo	pint 1 SP No.2 crush	ing								YXX -		

- 3) capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 7 lb uplift at joint 1 and 40 lb uplift at joint 3.



NUMBER

September 27,2024

PE-2.

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	J16	Jack-Open	12	1	Job Reference (optional)	I68479978 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:TxNrG0ecV6T9DF	2024 Print: 8. PK1?8kLAMz	630 S Jul 12 Duzk-RfC?P	2024 MiTek Industries, Inc. We sB70Hq3NSgPqnL8w3uITXbG	d Sep 2512694/11/21024 KWrCD0i7J4250?f
		-0-11-0	5-0-0		1	
		0-11-0	5-0-0			
			12			
			4		4	
			3x4 ≠		6	
	2.4-0	2	•			2-4-0
	0-8-0	1				

		5
	3x4 II	
	5-0-0	
Scale = 1:24.9	I	Ι
Plate Offsets (X, Y): [2:0-1-8,0-0-5]		

Plate Offsets ((X, Y): [2:0-1-8,0-0-5]											
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	0.56	Vert(LL)	-0.04	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.07	2-5	>831	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 21 lb	FT = 20%
LUMBER			6) This truss	is designed in ac	cordance w	ith the 2018						
TOP CHORD	2x4 SP No.2		Internation	al Residential Co	de sections	s R502.11.1 a	and					
BOT CHORD	2x4 SP No.2		R802.10.2	and referenced s	standard AN	ISI/TPI 1.						
SLIDER	Left 2x4 SP No.2	2-7-14	LOAD CASE(Standard 								
BRACING												
TOP CHORD	Structural wood she	eathing directly applie	ed or									
	5-0-0 oc purlins.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	С									
	bracing.											
REACTIONS	(size) 2=0-5-8,	4= Mechanical, 5=										
	Max Hariz 2-96 (LC	(12)										
	Max 1 Inlift 2=-77 (10	(12)										
	Max Gray $2=202$ (L)	(1), 4 = -94 (10 12)	5-00									
	(LC 3)	C 1), 4=107 (LC 1), 3	5-33									
FORCES	(lb) - Maximum Con	noression/Maximum										
	Tension											
TOP CHORD	1-2=-4/0, 2-4=-90/4	1										
BOT CHORD	2-5=0/0											
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	n (3-second gust)										
Vasd=91n	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										
Ke=1.00:	Cat. II: Exp C: Enclose	ed: MWFRS (envelor	pe)									The second se

- 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 4-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 4 and 77 lb uplift at joint 2.



September 27,2024



				RELEASE FOR CONSTRUCTION
Job Truss			by .	AS NOTED FOR PLAN REVIEW
11035	Truss Type	Qty 11	'y	DEVELOPMENT SERVICES
P240989 J17	Jack-Open	4 1	Job Reference (option	LEE'S SUMMIT, MISSOURI
	-			10000

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 2512634/1 1/26224 ID:7F6Nn7n8gozSfFFLify9fuzDuzY-RfC?PsB70Hq3NSgPqnL8w3uITXbGKW CDoi7J4zUCH/1 1/26224





2-10-15

Leedler	(0	0.0.0	001		(1)	1/-1 41	
Plate Offsets (X, Y): [2	2:0-1-8,0-0-5]							
Scale = 1:23.6				I				

Loading TCLL (roof) TCDL	(psf) 25.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-0-0 1.15 1.15	CSI TC BC	0.17 0.09	DEFL Vert(LL) Vert(CT)	in 0.00 -0.01	(loc) 2-5 2-5	l/defl >999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL BCDI	0.0 10.0	Rep Stress Incr	YES IRC2018/TPI2014	WB Matrix-P	0.00	Horz(CT)	0.00	4	n/a	n/a	Weight: 13 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD SLIDER	2x4 SP No.2 2x4 SP No.2 Left 2x4 SP No.2	- 1-6-11	6) This trus Internati R802.10 LOAD CASE	s is designed in accorr onal Residential Code .2 and referenced star E(S) Standard	dance wi sections ndard AN	ith the 2018 R502.11.1 a ISI/TPI 1.	and				Weight. To ib	11-20/0
TOP CHORD	RACING OP CHORD Structural wood sheathing directly applied or 2-10-15 oc purlins.											
BOT CHORD	Rigid ceiling direc bracing.	tly applied or 10-0-0 o	с									
REACTIONS	CTIONS (size) 2=0-5-8, 4= Mechanical, 5= Mechanical Max Horiz 2=55 (LC 12) Max Uplift 2=-64 (LC 8), 4=-55 (LC 12) Max Grave 2=203 (LC 1), 4=89 (LC 1), 5=57 (LC 3) (LC 3)											
FORCES	(lb) - Maximum C	mpression/Maximum										
TOP CHORD BOT CHORD	1-2=-4/0, 2-4=-57 2-5=0/0	24										
NOTES 1) Wind: ASC Vasd=91m Ke=1.00; (exterior zc and right e exposed; (C reactions s DOL=1.60 2) This truss chord live	CE 7-16; Vult=115m nph; TCDL=6.0psf; I Cat. II; Exp C; Enclo one and C-C Exterio exposed ; end vertic -C for members an shown; Lumber DOI has been designed load nonconcurrent	ch (3-second gust) SCDL=6.0psf; h=35ft; sed; MWFRS (envelo (2E) zone; cantilever al left and right f forces & MWFRS fo =1.60 plate grip for a 10.0 psf bottom with any other live log	pe) left r ds.							*	STATE OF M	MISSOLD T.M. ER

- Bearings are assumed to be: , Joint 2 SP No.2 crushing capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 4 and 64 lb uplift at joint 2.



September 27,2024

PE-200101880

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						RELEASE FOR CONSTRUCTION		
loh	Truss		Otv	Plv		AS NOTED FOR PLAN REVIEW		
366	11035	inuss rype	Giy	l' iy		DEVELOPMENT SERVICES		
P240989	J18	Jack-Open	4	1	Ioh Reference (optional	LEE'S SUMMIT, MISSOURI		
Premier Building Supply (Sprin	emier Building Supply (Springhill, KS), Spring Hills, KS - 66083, ID:7F6Nn7n8gozSfFFLify9fuzDuzY-RfC?PsB70Hq3NSgPqnL8w3uITXbGK							

<u>-0-11-0 0-10-15</u> 0-11-0 0-10-15





Scale = 1:29.8

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

Loading TCLL (roof) TCDL BCLL BCDL		(psf) 25.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IRC2018/TPI2	014	CSI TC BC WB Matrix-P	0.09 0.01 0.02	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 5 5 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 5 lb	GRIP 197/144 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No 2x4 SP No 2x4 SP No Structural 0-10-15 oo Rigid ceilin bracing.	0.2 0.2 *Except wood sheat purlins, of ng directly	t* 4-2:2x3 SPF No.2 athing directly applie except end verticals. applied or 10-0-0 oc	6) This Inter R802 LOAD C	truss is national 2.10.2 ar ASE(S)	designed in accord Residential Code nd referenced stan Standard	dance wi sections dard AN	th the 2018 R502.11.1 a SI/TPI 1.	nd					
REACTIONS	(size) Max Horiz Max Uplift Max Grav (Ib) - Maxi Tension	3= Mecha 5=0-5-8 5=25 (LC 3=-26 (LC (LC 8) 3=26 (LC (LC 1) mum Com	nical, 4= Mechanical 11) 1), 4=-10 (LC 8), 5= 8), 4=15 (LC 3), 5=1 pression/Maximum	79 61										
TOP CHORD BOT CHORD WEBS	2-5=-153/ ² 4-5=-53/8 2-4=-9/61	182, 1-2=0	/24, 2-3=-25/14											
NOTES 1) Wind: ASC Vasd=91m Ke=1.00; (exterior zo and right e exposed; (C reactions s DOL=1.60 2) This truss chord live 3) Bearings a capacity of 4) Refer tog 5) Provide m bearing pla 5, 10 lb up	CE 7-16; Vul nph; TCDL=6 Cat. II; Exp C ne and C-C exposed; en C-C for memily shown; Lumly has been de load noncon are assumed f 565 psi. irder(s) for t echanical cc ate capable blift at joint 4	=115mph S.0psf; BCC S; Enclose Exterior(2 d vertical I bors and for bor DOL=1 signed for current wit to be: , Joc russ to trus nnection (of withstar and 26 lb	(3-second gust) DL=6.0psf; h=35ft; d; MWFRS (envelop E) zone; cantilever le eft and right prces & MWFRS for .60 plate grip a 10.0 psf bottom th any other live load bint 5 SP No.2 crushi ss connections. by others) of truss to dding 79 lb uplift at jo uplift at joint 3.	e) hft ng int									PE-20010 September	MISSOLUTION M. ER DISSOT ELENCITOR 27,2024



						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	DIV		AS NOTED FOR PLAN REVIEW
300	Tuss	Truss Type	Quy	гіу		DEVELOPMENT SERVICES
P240989	J19	Jack-Open	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
						10 040014 A 1000 A

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 23 2634/1 1/26224 ID:n0PHtrfddb_VdH0neRg5W7zDs?w-RfC?PsB70Hq3NSgPqnL8w3ulTXbGtWrCDoi7J4z924







, -2





1	1-6-3

1

Scale = 1:23.4

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

-												
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	0.06	Vert(LL)	0.00	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	2-5	>999	180	-	
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		- (-)					Weight: 8 lb	FT = 20%
-							-					
LUMBER			6) This truss is	designed in accorda	ance w	ith the 2018						
TOP CHORD	2x4 SP No.2		International	Residential Code s	ections	R502.11.1 a	nd					
BOT CHORD	2x4 SP No.2		R802.10.2 a	nd referenced stand	ard An	ISI/TPI 1.						
SLIDER	Left 2x4 SP No.2 1	1-5-5	LOAD CASE(S)	Standard								
BRACING	RACING											
OP CHORD Structural wood sheathing directly applied or												
	1-6-3 oc purlins.											
BOICHORD	bracing.	applied or 10-0-0 oc										
REACTIONS	(size) 2=0-5-8, 3	3= Mechanical, 5=										
	Mechanic	al										
	Max Horiz 2=35 (LC	12)										
	Max Uplift 2=-56 (LC	58), 3=-28 (LC 12)										
	Max Grav 2=147 (LC	C 1), 3=35 (LC 1), 5=	:30									
	(LC 3)											
FORCES	(Ib) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-2=-5/0, 2-3=-41/22	2, 3-4=0/0										
BOT CHORD	2-5=0/0											
NOTES												
1) Wind: ASC	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91n	nph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										
Ke=1.00;	Cat. II; Exp C; Enclose	d; MWFRS (envelop	e)								000	The
exterior zo	one and C-C Exterior(2	E) zone; cantilever le	eft								POFM	ALC.
and right e	exposed ; end vertical I	eft and right									FIE	1350.0
exposed;C	-C for members and in	1 60 plata grip								6	AT	Nov N
		1.00 plate grip								B	SCOT	M. YEY
2) This trues	, has been designed for	r a 10.0 nsf hottom								R	/ SEVI	ER \ Y
chord live	load nonconcurrent wi	th any other live load	ls.							at		U \& Ø
 Bearings a 	are assumed to be: , Jo	pint 2 SP No.2 crush	ing								Arto	No. 1.
capacity o	f 565 psi.		-									- MAR
4) Refer to g	irder(s) for truss to tru	ss connections.								VIT	DE 2001	ALL
5) Provide m	echanical connection ((by others) of truss to)							N.	PE-2001	10880/ 108810
										N L	T 7 1 1	

5 bearing plate capable of withstanding 56 lb uplift at joint 2 and 28 lb uplift at joint 3.

16023 Swingley Ridge Rd. Chesterfield, MO 63017

SSIONAL

September 27,2024

314.434.1200 / MiTek-US.com

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						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240989	J20	Jack-Open	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		Due 0.00 0 11140.0	004 Duint 04			

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 23 2634/1 1/2024 ID:n0PHtrfddb_VdH0neRg5W7zDs?w-RfC?PsB70Hq3NSgPqnL8w3ulTXbGtWrCDoi7J4z027







1-2-1



1



1-6-3

Scale = 1	1:23.4
-----------	--------

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

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	0.06	Vert(LL)	0.00	2-5	>999	240	MT20	244/190
TCDL		10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	2-5	>999	180		
BCLL		0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 8 lb	FT = 20%
				6) This trues is	designed in accord	2000 W	ith the 2019						
		n		International	Residential Code s	ance w	R502 11 1 a	ind					
	2X4 SP N0.2	2		R802 10 2 a	nd referenced stand	Aard AN	ISI/TPI 1						
	2X4 OF NU.2	2 No.2 1	E		Stondard		00/1111.						
SLIDER	Leit 2x4 SP	INO.2 1	-0-0	LUAD CASE(S)	Standard								
BRACING	<u>.</u>												
TOP CHORD	Structural w	lood shea	athing directly applie	d or									
	1-6-3 oc pu	rlins.	applied at 10.0.0 as										
BUICHORD	Rigid Celling	garecity	applied of 10-0-0 oc										
DEADTIONO	bracing.		Masharias I.F.										
REACTIONS	(size) 2	=0-5-8, 3	= Mechanicai, 5=										
	Nov Horiz 2		12)										
	Max Liplift 2	=30 (LC	(12)										
	Max Opint 2	=-09 (LC	(1), 3 = -20 (LC 12)	20									
	iviax Grav 2	=151 (LC LC 3)	, 1), 3=33 (LC 1), 5=	-30									
FORCES	(lb) - Maxim	ium Ćomj	pression/Maximum										
	Tension												
TOP CHORD	1-2=-4/0, 2-	3=-40/22	, 3-4=0/0										
BOT CHORD	2-5=0/0												
NOTES													
1) Wind: ASC	CE 7-16; Vult=	115mph	(3-second gust)										
Vasd=91n	nph; TCDL=6.	0psf; BCI	DL=6.0psf; h=35ft;										
Ke=1.00;	Cat. II; Exp C;	Enclosed	d; MWFRS (envelop	e)									The
exterior zo	one and C-C E	xterior(2	E) zone; cantilever le	əft								OFM	ALC D
and right e	exposed ; end	vertical le	eft and right									ACE	USS W
exposed;C	C-C for membe	ers and fo	prces & MWFRS for								A	A. A.	N.S.
reactions	shown; Lumbe	er DOL=1	.60 plate grip								A	SCOT	ГМ. ХРУ
DOL=1.60) 		- 40.0 (11								4	7 SEVI	ER VV
 Inis truss 	has been des	igned for	a 10.0 psi bollom	10							8	-1	1+2
2) Boorings	Toau nonconc		in any other live load	15. ing							20		0 30
canacity o	are assumed t	0 06., 30	ILL 2 OF INULZ CIUSI	ing							M.	hatts :	JOANT
4) Refer to a	irder(s) for tru	iss to trus	ss connections								11-	NUM	DR DE
5) Provide m	echanical con	nection (I	by others) of truss to)							N	ON PE-2001	018807
bearing pl	ate capable of	f withstan	ding 59 lb uplift at ic	bint							N.	The last	188
2 and 28 l	b uplift at joint	3.	5 · · · · · · · · · · · · ·									138	INO'S
												WNA	L



September 27,2024

						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	Plv		AS NOTED FOR PLAN REVIEW
360	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES
P240989	J21	Jack-Open	5	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
						10/11/0001

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26 44 1 1/2 26 44 1 1/2 26 44 1





Scale = 1:24

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

		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	0.28	Vert(LL)	-0.01	2-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	2-5	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 15 lb	FT = 20%
LUMBER			6) This truss	is designed in acco	ordance wi	ith the 2018						
TOP CHORD	2x4 SP No.2		Internation	nal Residential Cod	le sections	R502.11.1	and					
BOT CHORD	2x4 SP No.2		R802.10.2	2 and referenced st	andard AN	ISI/TPI 1.						
SLIDER	Left 2x4 SP No.2	1-11-1	LOAD CASE	S) Standard								
BRACING												
TOP CHORD	Structural wood she	athing directly appli	ied or									
	3-7-4 oc purlins.											
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 c	C									
	bracing.											
REACTIONS	(size) 2=0-5-8,	4= Mechanical, 5=										
	Mechanic	al										
	Max Horiz 2=65 (LC	12)										
	Max Uplift 2=-65 (LC	C 8), 4=-68 (LC 12)										
	Max Grav 2=228 (L	C 1), 4=116 (LC 1),	5=71									
	(LC 3)											
FORCES	(lb) - Maximum Con	npression/Maximum	1									
	Tension											
TOP CHORD	1-2=-5/0, 2-4=-71/2	9										
BOT CHORD	2-5=0/0											
NOTES												
1) Wind: AS	CE 7-16; Vult=115mph	(3-second gust)										
Vasd=91r	mph; TCDL=6.0psf; BC	DL=6.0psf; h=35ft;										
Ke=1.00;	Cat. II; Exp C; Enclose	ed; MWFRS (envelo	pe)									The
exterior zo	one and C-C Exterior(2	2E) zone; cantilever	left								OF I	ALCON D
and right	exposed ; end vertical	left and right									A E OF I	11SS
exposed;	C-C for members and f	orces & MWFRS fo	r							4		N.S.
reactions	shown; Lumber DOL=	1.60 plate grip								A	SCOT	TM. VEN
DOL=1.60	U	10.0 (1								H	SEV	TER \ X
2) This truss	s has been designed to	r a 10.0 pst bottom	l							9 +	-1	
chord live	load nonconcurrent w	ith any other live loa	ads.							20	1 -12	
 Bearings 	are assumed to be: , J	oint 2 SP No.2 crus	ning								A. 117	

- capacity of 565 psi.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to 5) bearing plate capable of withstanding 68 lb uplift at joint 4 and 65 lb uplift at joint 2.







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

		• •												
Loading	(ps	sf)	Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25	5.0	Plate Grip DOL	1.15		TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10	0.0	Lumber DOL	1.15		BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0	0.0	Rep Stress Incr	YES		WB	0.03	Horiz(TL)	0.00	6	n/a	n/a		
BCDL	10	0.0	Code	IRC201	3/TPI2014	Matrix-S							Weight: 20 lb	FT = 20%
LUMBER				4)	Gable requir	es continuous bo	ttom chor	d bearing.						
TOP CHORD	2x4 SP No.2			5)	Gable studs	spaced at 0-0-0 d	C.							
BOT CHORD	2x4 SP No.2			6)	This truss ha	as been designed	for a 10.0) psf bottom						
WEBS	2x3 SPF No.2				chord live loa	ad nonconcurrent	with any	other live load	ds.					
OTHERS	2x3 SPF No.2			7)	All bearings	are assumed to b	e SP No.	2 crushing						
BRACING					capacity of 5	65 psi.								
TOP CHORD	Structural wood	d shea	athing directly applie	edor ⁸⁾	Provide mec	hanical connectio	on (by oth	ers) of truss to	D .					
	5-4-14 oc purlir	ns, ex	cept end verticals, a	and	bearing plate	e capable of withs	standing 2	Ib uplift at joi	nt					
	2-0-0 oc purlins	s: 2-5.			1, 11 ID UPIIT	at joint 6, 63 id U	iplint at joi	nt 8 and 46 lb)					
BOT CHORD	Rigid ceiling dir	rectly	applied or 10-0-0 oc	;	This truce is	1. decigned in 2000	rdanco w	ith the 2019						
	bracing.			3)	International	Residential Code	sections	R502 11 1 a	nd					
REACTIONS	(size) 1=5-4	4-10,	6=5-4-10, 7=5-4-10	,	R802.10.2 a	nd referenced sta	andard AN	ISI/TPI 1.						
	8=5-4	4-10	2)	10) Graphical pu	Irlin representatio	n does no	ot depict the s	ize					
	Max Horiz 1=69	J (LC S	9)) 0 11 (10 0) 7	40	or the orienta	ation of the purlin	along the	top and/or						
			6), 6=-11 (LC 9), 7=-	40	bottom chore	d.								
	(LU C May Gray 1-73	o), o≕ 3 (I C ′	-03 (LC 9) 20) 6-42 (LC 1) 7-	.166 LC	DAD CASE(S)	Standard								
		1) 8=	180 (I C 1)	-100										
FORCES	(lb) - Maximum	Com	ression/Maximum											
	Tension	Com												
TOP CHORD	1-2=-90/95, 2-3	3=-35/	37, 3-4=-35/37,											
	4-5=-35/37, 5-6	6=-34/	21											
BOT CHORD	1-8=-32/36, 7-8	3=-32/	36, 6-7=-32/36										~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~
WEBS	3-8=-182/127, 4	4-7=-1	131/64										ALL	and
NOTES													EF OF I	IISS W
1) Wind: ASC	CE 7-16; Vult=115	5mph	(3-second gust)									4	A	A S
Vasd=91n	nph; TCDL=6.0ps	f; BCI	DL=6.0psf; h=35ft;									H	SCOTT	M YEN
Ke=1.00; (Cat. II; Exp C; End	closed	d; MWFRS (envelop	e)								8	SEVI	FR V V
exterior zo	one and C-C Exter	rior(21	zone; cantilever le ft au al right	eft								8	./	
and right e	exposed ; end ver	tical le	ent and right									01		
reactions	shown. Lumber D	anu iu ∩I –1	60 plate grip									1		
DOI = 1.60)		plate grip									4	Count	- A A A A A A A A A A A A A A A A A A A
2) Truss desi	igned for wind loa	ads in	the plane of the trus	s								N	ON PE-2001	018807
only. For	studs exposed to	wind	(normal to the face)	,								(V	The last	188
see Stand	lard Industry Gabl	le End	Details as applicab	ole,									1980	ENO'B
or consult	qualified building	desig	iner as per ANSI/TP	Y 1.									UNA NA	LEY
3) Provide ad	dequate drainage	to pre	event water ponding										and	and a

September 27,2024





Wind: ASCL 7-10, Volter Francisco Units (Second gust) Vasd=91mph; TCDL=6.0psf; b=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

a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **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.sbcsccomponents.com)

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



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PE-2001018807

September 27,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P240989	LG4	Lay-In Gable	2	1	Job Reference (optional	I68479986 LEE'S SUMMIT, MISSOURI

4-0-10

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26448 1 1/260:24 ID:uxhN?Nmqt3cp7NrGvD0_3IzDhGv-RfC?PsB70Hq3NSgPqnL8w3uITXbGi WrCDoi7J4z567



Scale =	1:34.6
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Plate Offsets (X, Y): [1:0-0-10,0-1-8], [4:0-2-7,Edge], [6:Edge,0-2-8]

		1.1 . 0 1.1	0 /										
Loading	(psf) Spacing	2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (root)	25.0	Plate Grip DOL	1.15			0.08	Vert(LL)	n/a	-	n/a	999	M120	244/190
	10.0	Dep Stroop Ippr	1.15		BC	0.05	Vert(TL)	n/a	- 7	n/a	999		
BCDL	10.0) Code	IRC201	8/TPI2014	Matrix-S	0.05	TION2(TL)	0.00	'	n/a	n/a	Weight: 43 lb	FT = 20%
			2)	Wind: ASCE	7-16: Vult=115mp	h (3-seo	cond gust)		-				
TOP CHORD	2x4 SP No.2		_/	Vasd=91mpl	n; TCDL=6.0psf; B	CDL=6.	Opsf; h=35ft;						
BOT CHORD	2x4 SP No.2			Ke=1.00; Ca	t. II; Exp C; Enclos	ed; MW	FRS (envelop	ce)					
WEBS	2x3 SPF No.2			exterior zone	and C-C Exterior((2E) 0-4	-1 to 5-4-1,						
OTHERS	2x3 SPF No.2			Interior (1) 5-	4-1 to 6-10-0, Exte	erior(2E	6-10-0 to 9-9	9-13					
BRACING				zone; cantile	ver left and right ex	xposed	; end vertical	left					
TOP CHORD	Structural wood	sheathing directly applie	d or	and right exp	osed;C-C for mem	bers ar	d forces &						
	6-0-0 oc purlins,	except end verticals, an	nd	MWFRS for	reactions shown; L	umber I	DOL=1.60 pla	ite					
	2-0-0 oc purlins	6-0-0 max.): 1-4.	2)		00 od for wind loodo i	in the n	and of the tru	~~					
BOT CHORD	Rigid ceiling dire	ctly applied or 10-0-0 oc	; 3)	only For stu	ide exposed to win	d (norm	alle of the face	55 \					
	bracing, Except	:		see Standard	d Industry Gable Fi	nd Deta	ils as applica), ble					
	6-0-0 oc bracing	1-12.		or consult au	alified building des	signer a	s per ANSI/T	211.					
REACTIONS	(size) 1=9-7	.11, 7=9-7-11, 8=9-7-11	. 4)	Provide adec	uate drainage to p	prevent	water ponding] .					
	9=9-7	·11, 10=9-7-11, 11=9-7-	^{11,} 5)	Truss to be f	ully sheathed from	one fac	e or securely						
	12=9-	(-11 1 (LC 42)		braced again	ist lateral moveme	nt (i.e. c	iagonal web)						
	Max Unlift 1-20	$(1 \bigcirc 13)$	6)	Gable studs	spaced at 2-0-0 oc								
	104	(LC 9), 0 = 140 (LC 13), S (LC 9), 11 = 21 (LC 13)	, 7)	This truss ha	s been designed for	or a 10.) psf bottom						
	12=-5	3 (I C 9), TT=-21 (LO 13) 3 (I C 9)	,	chord live loa	ad nonconcurrent v	vith any	other live loa	ds.					
	Max Grav 1=103	(IC1) 7=49 (IC22) 8	190 ⁸⁾	All bearings	are assumed to be	SP No.	2 crushing						
	(LC 20), 9=163 (LC 1), 10=17	5 (LC	capacity of 5	65 psi.	(h 4h							
	25), 1	1=23 (LC 11), 12=237 (L	_C 1) ⁹⁾	Provide mec	nanical connection	i (Dy Oth anding 3	ers) of truss t	0 oint					
FORCES	(lb) - Maximum (Compression/Maximum		1 21 lb unlift	at joint 11 46 lb u	inlift at i	o ib upint at j	unlift					
	Tension			at joint 12 an	d 148 lb uplift at io	ipint 8	5111t TO, 5515	upint				COL	all
TOP CHORD	1-2=-116/121, 2-	3=-116/121, 3-4=-116/1	21, 10) N/A								Pr OF I	MISCO
	4-5=-127/122, 5-	6=-46/39, 6-7=-37/10	11) This truss is	designed in accord	dance w	ith the 2018				1	750	NO CO
BOT CHORD	1-12=-65/65, 11-	12=-40/63, 10-11=-29/3	7,	International	Residential Code	sections	R502.11.1 a	nd			A	NY SCOT	New York
	9-10=-29/37, 8-9	=-29/37, 7-8=-29/37		R802.10.2 a	nd referenced stan	dard AN	ISI/TPI 1.				4	S/ SCOI	I M. YAY
WEBS	4-9=-121/23, 3-1	0=-139/66, 2-12=-179/7	^{9,} 12	 Graphical pu 	rlin representation	does no	ot depict the s	size			 <i>A</i> .	SEV	
	5-8=-191/158			or the orienta	ation of the purlin a	long the	e top and/or				NA.	(·)	1 × 1
NOTES				bottom chord	i.						WY.	1 the	V . LA
 Unbalanc this desig 	ed roof live loads h n.	ave been considered for	L(DAD CASE(S)	Standard					<u> </u>	W.	NUM	Bekennen

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) MiTek

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

PE-200101880'

SIONAL ET

September 27,2024

							RELEASE FOR CONSTRUCTION	
lah	Truco	Truco Turo		0.5	DIV		AS NOTED FOR PLAN REVIEW	
100	Truss	Thuss Type		Qly	Fiy		DEVELOPMENT SERVICES	
P240989	LG5	Lay-In Gable		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI	
Premier Building Supply (Spri	nghill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Jul 12 2	024 Print: 8.	630 S Jul 12	2024 MiTek Industries, Inc. We		
		2-1	ID:Za2BhzU8LjZRPk 0-8	iXKALmIWz	DuoJ-RfC?Ps	sB70Hq3NSgPqnL8w3ulTXbGl	WrCDoi7J4zseff	
		0-4-13						



Scale =	1:86.2
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Plate Offsets (X, Y): [3:0-1-7,Edge], [5:0-2-9,Edge], [11:0-2-1,0-1-8]

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	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL		10.0	Lumber DOL	1.15		BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL		0.0	Rep Stress Incr	YES		WB	0.06	Horz(CT)	0.01	11	n/a	n/a		
BCDL		10.0	Code	IRC2	018/TPI2014	Matrix-S							Weight: 75 lb	FT = 20%
		• ?			WEBS 5	5-18=-216/113, 4-2	0=-259 6191	/133, /161		12) This	s truss is	desig	gned in accordance	e with the 2018
	2X4 SP N	0.2			5	-15-192/160 9-1	4192	/161		RSC	12 10 2 2	and re	ferenced standar	
	2X4 OF IN	0.2 No 2				0-12=-185/154	- 152	101,		13) Gra	nhical n	urlin r	enresentation doe	s not denict the size
DIHERS	283 5PF	N0.2			NOTES	0 12= 100/104				or th	ne orien	ation	of the purlin along	the top and/or
BRACING	<u>.</u>				NUIES	reaf live leads have			_	bott	om choi	d		y the top and/or
TOP CHORD	Structura	I wood she	athing directly applie	ed or	1) Unbalanced	roor live loads have	e been	considered to	ſ		ASE/S	Sta	ndard	
	6-0-0 oc j	ourlins, exc	ept		2) Wind ASCE	7 16: Vult 115mp	(2	and quat)		LOAD		010	lindaru	
	2-0-0 0C	Duriins (6-0	-0 max.): 3-5.	_	2) Wind ASCE	7-10, Vuit=11511pi	ה וסי ה וסי	Doof: b-25ft:						
BOICHORD	bracing	Except:	applied or 10-0-0 oc	;	Ke=1.00: Ca	t. II: Exp C: Enclose	ed: MW	FRS (envelor	be)					
	6-0-0 oc l	pracing: 2-2	20.18-20.		exterior zone	and C-C Exterior(2	2E) 0-1	-3 to 3-1-1,	- /					
REACTIONS	(size)	2=14-4-9	11=14-4-9 12=14-4	1-9	Exterior(2R)	3-1-1 to 10-1-15, lr	nterior (1) 10-1-15 to						
	(0120)	13=14-4-9	14=14-4-9 15=14-	-4-9	14-8-2 zone;	cantilever left and	right ex	posed ; end						
		16=14-4-9	9, 17=14-4-9, 18=14-	-4-9.	vertical left a	nd right exposed;C	-C for r	nembers and						
		20=14-4-9	9	,	forces & MWFRS for reactions shown; Lumber									
	Max Horiz	2=-524 (L	C 13)		DOL=1.60 pl	ate grip DOL=1.60								
	Max Uplift	2=-141 (L	C 13), 11=-44 (LC 1	1),	Truss design	ed for wind loads ir	n the pl	ane of the true	SS					
		12=-138 (LC 13), 13=-275 (LC	; 13),	only. For stu	ds exposed to wind	d (norm	al to the face)),					
		14=-95 (L	C 13), 15=-135 (LC	13),	see Standard	I Industry Gable Er	nd Deta	ils as applicat	ole,					
		16=-138 (LC 13), 17=-142 (LC	3),	or consult qu	alified building des	igner a	s per ANSI/TF	PI 1.					
		18=-27 (L	C 11), 20=-150 (LC	11)	 Provide adec 	luate drainage to p	revent	water ponding	j .					
	Max Grav	2=63 (LC	11), 11=194 (LC 13)),	All plates are	1.5x4 MT20 unles	s other	wise indicated	1.					
		12=207 (L	_C 20), 13=105 (LC 1	11),	6) Gable studs	spaced at 2-0-0 oc.								
		14=193 (L	_C 20), 15=207 (LC 2	20),	This truss ha	s been designed fo	or a 10.	0 psf bottom					San	The
		16=205 (L	_C 20), 17=216 (LC 2	20),	chord live loa	id nonconcurrent w	ith any	other live load	ds.				P OF I	Alson
		18=247 (L	_C 22), 20=406 (LC 1	13)	 All bearings a 	are assumed to be	SP No.	2 crushing					H SE	-0.0 M
FORCES	(lb) - Max	imum Com	pression/Maximum		capacity of 5	o5 psi.		llelte erein ve				4	N/	New
	Tension				Bearing at jo uning ANSI/T	DI 1 ongle to grain	rs para	nei to grain va	aiue			H	SCOT	M. YGY
TOP CHORD	1-2=-7/0,	2-3=-267/3	331, 3-4=-262/313,		designer she	Pi i angle to grain	of boor	a. Duiluing				Й	/ SEV	ER \ Y
	4-5=-262	/313, 5-6=-	344/399, 6-7=-227/2	59,	10) Provide med	anical connection	(by oth	ore) of trues to	0			20		.0
	7-8=-118	125, 8-9=-	61/42, 9-10=-160/13	2,	bearing plate	canable of withsta	nding	1 lb unlift at i	oint			XX.	LITS	Services
	10-11=-2	85/237			11 141 lb ur	lift at joint 2 275 lb	unlift a	tioint 13 27	lh		ø	R.	your	
BOT CHORD	2-20=-19	8/236, 18-2	20=-279/337,		unlift at joint	18 150 lb unlift at i	oint 20	142 lb unlift :	at			12	NUM	BER EA
	17-18=-2	74/332, 16-	-1/=-275/333,		ioint 17, 138	lb uplift at joint 16	135 lb	uplift at joint 1	5.			N.	OX PE-2001	018807
	15-16=-2	74/332, 14-	15=-2/4/333,		95 lb uplift at	ioint 14 and 138 lb	uplift a	it joint 12.	- 1			V	1 the	158
	13-14=-2	15/365, 12-	-13=-178/222,		11) N/A	,		,					NºSis-	ENU'S
	11-12=-1	10/222			, .								UNA	L

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent 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)

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

September 27,2024

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240989	LG6	Lay-In Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Jul 12 2 ID:amL0vgFTCg9Ne	2024 Print: 8.6 GbXq0IxEizD	630 S Jul 12 2 DuZ6-RfC?Psl	2024 MiTek Industries, Inc. We B70Hq3NSgPqnL8w3uITXbGI	d Sep 25 25 26 48 1 1 / 2 0 2 4
		<u>8-8-8</u> 8-8-8		<u>17</u> 8	- <u>1-12</u> 17-5-0 -5-4 0-3-4	o ⊧
			3x4=			
			6			



Scale = 1	1:57
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Plate Offsets (X, Y): [6:Edge,0-3-0]

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL		10.0	Lumber DOL	1.15		BC	0.06	Vert(TL)	n/a	-	n/a	999			
BCLL		0.0	Rep Stress Incr	YES		WB	0.20	Horiz(TL)	0.01	11	n/a	n/a			
BCDL		10.0	Code	IRC201	8/TPI2014	Matrix-S							Weight: 93 lb	FT = 20%	
				14/		00 404/450 0 44		450					-		
		- 0		VV	EBS 2	2-20=-184/156, 3-18	8=-185/ 8- 125	158, /// 715-10	1/12						
	2X4 SP N	0.2			-	-17 = -210/100, 5 = 10	2_ 195	44,7-15=-10	1/12,						
	2X4 SP N	U.Z			1	0-12-184/156	5=-105/	150,							
	283 585 1	NO.2		NZ		0 12= 104/100									
	Christer	wood oh o	منامهم والتممنان مممالم	INU 1	JIE3	roof live loads have	boon	considered fo	r						
IOP CHORD	Structural	wood snea	athing directly applied	1 I I I	this design	IOUI IIVE IDAUS Have	Deen		1						
	Bigid coili	na directly	applied or 10.0.0 oc	2)	Wind: ASCE	7-16: \/ult-115mph	(3-50)	ond quet)							
BOT CHORD	bracing	ng unecuy	applied of 10-0-0 oc	2)	Vasd=91mph	: TCDL=6.0psf: BC	DL=6.0	Opsf: h=35ft:							
REACTIONS	(size)	1-17-5-0	11-17-5-0 12-17-5	-0	Ke=1.00; Cat	II; Exp C; Enclose	ed; MW	FRS (envelop	ce)						
	(3120)	13=17-5-0	14=17-5-0 15=17-	0, 5-0	exterior zone	and C-C Exterior(2	2E) 0-4	-1 to 5-4-1, ່	,						
		16=17-5-0), 17=17-5-0, 18=17-	5-0.	Interior (1) 5-	4-1 to 8-8-12, Exte	rior(2R) 8-8-12 to							
		20=17-5-0)	,	13-5-12, Inte	rior (1) 13-5-12 to 1	7-1-7 2	one; cantilev	er						
	Max Horiz	1=-251 (L	C 8)		left and right	exposed ; end vert	ical left	and right							
	Max Uplift	1=-108 (L	C 10), 11=-80 (LC 11),	exposed;C-C	for members and f	forces a	& MWFRS for	•						
		12=-138 (LC 13), 13=-133 (LC	13),	reactions sho	wn; Lumber DOL=	1.60 pl	ate grip							
		14=-159 (LC 13), 16=-23 (LC 9	9),	DOL=1.60										
		17=-156 (LC 12), 18=-133 (LC	12), 3)	I russ design	ed for wind loads in	the pl	ane of the tru	SS						
		20=-138 (LC 12)		only. For stu	as exposed to wind	a (norm	al to the face), hla						
	Max Grav	1=273 (LC	C 12), 11=254 (LC 13),	see Standard	a industry Gable En	id Dela	is as applicat							
		12=209 (L	-C 20), 13=204 (LC 2	0),		1 5v/ MT20 unless	s other	vise indicated	-11.						
		14=219 (L	-C 20), 15=135 (LC 2	(0), (), (0), (0), (0), (0), (0), (0), (0), (0	Gable require	s continuous hotto	m chor	d bearing							
		16=159 (L	C 19), 17=215 (LC 1	9), 0) 0) 6)	Gable stude	spaced at 0-0-0 oc		a bearing.						The	
		18=204 (L	C 19), 20=209 (LC 1	9) 0) 7)	This truss ha	s heen designed fo	ra 10 i) nsf hottom					A	and	
FORCES	(lb) - Max	imum Com	pression/Maximum	.,	chord live loa	id nonconcurrent w	ith any	other live loa	ds.				B.F. OF I	AISS W	
		070 0 0 <i>1</i>	007/400 0 4 400/4	(8)	All bearings a	are assumed to be	SP No.	2 crushina				4	- AL	- CO	6
IOP CHORD	1-2=-394/	213, 2-3=-2 104 5 6- 9	207/109, 3-4=-139/1	11, -,	capacity of 5	65 psi.		5				B	SCOT	M YPY	у (
	7 9 90/7	6 9 0_ 12	04/73, 0-7=-04/74,	9)	Provide mech	nanical connection	(by oth	ers) of truss t	0			R	SEVI	ED V	Y
	10-11=-36	0, 0-3 <u>-</u> -120 39/273	0/13, 3-10-241/103,		bearing plate	capable of withsta	nding 1	08 lb uplift at			5	2			-N
BOT CHORD	1-20=-203	3/281 18-2	0=-203/281		joint 1, 80 lb	uplift at joint 11, 13	8 lb up	ift at joint 20,	133			<u> </u>	4.		Y.
	17-18=-20)3/281.16-	17=-203/281.		lb uplift at joir	nt 18, 156 lb uplift a	at joint '	17, 23 lb uplift	t at			X	att 2	YO MU	
	15-16=-20	03/281, 14-	15=-203/281,		joint 16, 159	Ib uplift at joint 14,	133 lb	uplift at joint 1	3		-	33	NUM	SER /S	B
	13-14=-20)3/281, 12-	13=-203/281,		and 138 lb up	Dirt at joint 12.						NS	PE-2001	18807 /5	A
	11-12=-20)3/281		10) This truss is (designed in accord	ance w	ith the 2018				N	The second	12E	7
					International	Residential Code s		6 K502.11.1 a	nd			۲	So	JO'H	() ()
					R802.10.2 ar	Otan dand	iaru An	131/ I PI I.					ONA	LEFS	
				LC	JAD CASE(S)	Standard							Unin	-	

September 27,2024



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		
P240989	LG7	Lay-In Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 23 2 344 1 1/20 24 ID:eH40YuMhUzCf3ojUfMRsA7zDv5q-RfC?PsB70Hq3NSgPqnL8w3uITXbG{WrCDoi7J4292ff

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21-8-0

Scale = 1:64.1 Plate Offsets (X, Y): [6:0-1-7,Edge], [9:0-1-7,Edge]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190					
TCDL		10.0	Lumber DOL	1.15		BC	0.05	Vert(TL)	n/a	-	n/a	999							
BCU		0.0	Rep Stress Incr	YES		WB	0.26	Horiz(TL)	0.01	14	n/a	n/a	1						
BCDL		10.0	Code	IRC2)18/TPI2014	Matrix-S	0.20		0.01		1.70		Weight: 122 lb	FT = 20%					
LUMBER					BOT CHORD	1-25=-159/256, 24-	25=-15	9/256,		10) Prov	vide me	chanic	al connection (by	others) of truss to					
TOP CHORD	2x4 SP N	0.2				22-24=-159/256, 21-22=-159/256,					bearing plate capable of withstanding 135 lb uplift at								
BOT CHORD	2x4 SP N	0.2				20-21=-159/256, 19	9-20=-1	59/256,		joint 1, 84 lb uplift at joint 14, 138 lb uplift at joint 25, 134									
OTHERS	2x3 SPF I	No.2				18-19=-159/256, 17	7-18=-1	59/256,		Ib uplift at joint 24, 144 lb uplift at joint 22, 119 lb uplift at									
BRACING						16-17=-159/256, 15-16=-159/256,						lb uplif	t at joint 20, 115	lb uplift at joint 18,					
TOP CHORD	Structural wood sheathing directly applied or			d or		14-15=-159/256				146	lb uplift	at join	it 17, 134 lb uplift	at joint 16 and 138 lb					
	6-0-0 oc purlins, except				WEBS	2-25=-179/155, 3-2	4=-182	/160,		uplif	t at join	t 15.							
	2-0-0 oc purlins (6-0-0 max.): 6-9.					4-22=-192/168, 5-2	1=-167	/144,		11) This	s truss is	s desig	ned in accordanc	ce with the 2018					
BOT CHORD	Rigid ceil	ing directly	y applied or 10-0-0 oc 7-20=-145/61, 8-19=-122/43, International								al Resig	dential Code sect	ions R502.11.1 and						
	bracing.	ing. 10-18=-162/140, 11-17=-192/169, R802.10.2 and reference									erenced standard	a ANSI/TPL1.							
WEBS	1 Row at midpt 7-20, 8-19				ow at midpt 7-20, 8-19 12-16=-182/160, 13-15=-179/156 12) Gr									es not depict the size					
REACTIONS	(size)	1=21-8-0.	14=21-8-0, 15=21-8	8-0,	NOTES					or tr	ie orien	iation (or the purin along	g the top and/or					
	, ,	16=21-8-0	0, 17=21-8-0, 18=21-	-8-0,	 Unbalanced 	roof live loads have	e been	considered for		DOT	om choi	ra.							
		19=21-8-0), 20=21-8-0, 21=21-	-8-0,	this design.					LOAD C	CASE(S) Stai	ndard						
	22=21-8-0, 24=21-8-0, 25=21-8-0				Wind: ASCE	7-16; Vult=115mp													
	Max Horiz	1=-281 (L	.C 8)	Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35															
	Max Uplift	1=-135 (L	.C 10), 14=-84 (LC 1	1),	Ke=1.00; Ca	at. II; Exp C; Enclos	ed; MW	FRS (envelop	e)										
	•	15=-138 (LC 13), 16=-134 (LC	; 13),	exterior zone	e and C-C Exterior(2E) 0-4	-1 to 5-4-1,	_										
		17=-146 (LC 13), 18=-115 (LC	; 13),	Interior (1) 5	-4-1 to 9-8-2, Exter	ior(2E)	9-8-2 to 12-0-	5,										
		20=-24 (L	C 11), 21=-119 (LC 1	12),	Exterior(2R)	12-0-5 to 19-1-3, I	nterior (1) 19-1-3 to											
		22=-144 (LC 12), 24=-134 (LC	; 12),	21-4-6 zone	; cantilever left and	right ex	posed ; end											
		25=-138 (LC 12)		vertical left a	and right exposed;C	-C for r	nembers and											
	Max Grav	1=262 (L0	C 12), 14=228 (LC 13	3),	forces & MV	VERS for reactions	shown;	Lumber											
		15=209 (l	_C 20), 16=206 (LC 2	20),	DOL=1.60 p	late grip DOL=1.60							2000	100					
		17=209 (l	_C 20), 18=203 (LC 2	20),	3) I russ desigr	hed for wind loads i	n the pl	ane of the trus	iS				8 OF M	MIGON					
		19=159 (l	_C 21), 20=182 (LC 2	22),	only. For stu	uds exposed to win	d (norm	al to the face)					BIE	000					
		21=208 (l	_C 19), 22=207 (LC 1	19),	see Standar	d Industry Gable E	nd Deta	ils as applicab	le,			6	AT	N SY					
		24=206 (l	_C 19), 25=209 (LC 1	19)	or consult qu	ualified building des	igner a	s per ANSI/TP	11.			R	SCOT	IM. YZY					
FORCES	(lb) - Max	imum Corr	pression/Maximum		 Provide ade All a lata 	quate drainage to p	revent	water ponding	•			a.	/ SEVI	ER \V					
	Tension		•		 All plates are Oabland 	e 1.5x4 M120 unles	s other	wise indicated	•			61+							
TOP CHORD	1-2=-379/	/247, 2-3=-	252/199, 3-4=-179/14	49,	 Gable requir 	es continuous botto	orn choi	u pearing.				av	1 11.						
	4-5=-153/164, 5-6=-222/223, 6-7=-176/177, 7-8=-176/177, 8-9=-176/177, 9-10=-222/211,				 Gable studs This true - Is 	spaced at 0-0-0 oc					_	2	MONTY	inner					
					operative la	as been designed to	JIA 10.	u psi bottom	10		-		NUM	BER /					
	10-11=-132/116, 11-12=-126/78,			1-12=-126/78, chord live load nonconcurrent with any other live loads.								N'A	ON PE-2001	018807					
	12-13=-205/128, 13-14=-332/211				All bearings	All bearings are assumed to be SP No.2 crushing							m)	18A					
				capacity of 5	poi psi.						X	1.50	G'A						
													ONA	LERA					
													Que	The second secon					

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)



September 27,2024

						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Giy	i iy		DEVELOPMENT SERVICES
P240989	TG2	Diagonal Hip Girder	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Jul 12 2024 Print: 8.630 S Jul 12 2024 MiTek Industries, Inc. Wed Sep 25 26448 1 1/269:24 ID:9RizLT5sxS0XndvBrCTxOMzWRWk-RfC?PsB70Hq3NSgPqnL8w3uITXbgKWrCDoirJ4zdC?f



Sca	le =	1:37	

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

-													
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	0.96	Vert(LL)	-0.22	2-5	>454	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.53	Vert(CT)	-0.43	2-5	>227	180		
BCLL	0.0	Rep Stress Incr	NO		WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/	TPI2014	Matrix-P							Weight: 35 lb	FT = 20%
LUMBER			7)	"NAILED" ind	dicates Girder: 3-10)d (0.14	8" x 3") toe-	nails					
TOP CHORD	2x4 SP 2400F 2.0E		,	per NDS guid	delines.								
BOT CHORD	2x4 SP 2400F 2.0E		8)	In the LOAD	CASE(S) section,	loads a	oplied to the	face					
WEBS	2x3 SPF No.2			of the truss a	re noted as front (F	-) or ba	ck (B).						
SLIDER	LIDER Left 2x4 SP No. 2 4-1-15 LOAD CASE(S) Standard												
BRACING	BRACING (1) Dead + Roof Live (balanced): Lumber Increase=1.15.												
TOP CHORD Structural wood sheathing directly applied or Plate Increase=1.15													
	Sector on our provide an equilibrium of the sector of the												
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 o	0	Vert: 1-4	=-70, 2-5=-20								
	bracing. Concentrated Loads (lb)												
REACTIONS	(size) 2=0-4-9.5	5= Mechanical		Vert: 7=-	60 (F=-34, B=-26),	10=-19	(F=-10, B=-	10)					
	Max Horiz 2=103 (LC	C 28)											
	Max For 2 = 105 (1 C 8) 5117 (1 C 12)												
	Max Grav 2=486 (LC	C 1), 5=415 (LC 1)	,										
FORCES	(lb) - Maximum Com	nression/Maximum											
TOROLO													
TOP CHORD	1-2=-6/0 2-4=-140/8	32 4-5=-320/305											
BOT CHORD													
NOTES	2 0- 11/01												
1) Wind ASC	CE 7-16: Vult-115mph	(3-second quist)											
Vasd=91m	DE T TO, Vall=110 mph	DI = 6 Onsf h = 35 ft											
Ke=1.00: 0	Ke=100 Cat III Exp C: Enclosed: MWERS (envelope)												
exterior zo	exterior zone and C-C Corner (3) -1-2-14 to 5-10-0												
Exterior(2R) 5-10-0 to 8-2-0 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													
2) This truss has been designed for a 10.0 psf bottom													
chord live load nonconcurrent with any other live loads.													
3) Bearings are assumed to be: Joint 2 SP 2400F 2.0E													
crushing c	crushing capacity of 805 psi.												
Refer to gi	4) Refer to girder(s) for truss to truss connections.												
5) Provide m) Provide mechanical connection (by others) of truss to												
the second se			1 - 1 - 4										

- 5 bearing plate capable of withstanding 117 lb uplift at joint 5 and 150 lb uplift at joint 2.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

September 27,2024

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