



RE: P	210577 - I	Floor -						MiTek USA, Inc.
Site In	formation	:						16023 Swingley Ridge Rd Chesterfield, MO 63017
Projec	t Customer	r: Starr Home	es Proje	ct Nan	ne: Milligar	Residence	-l-	314-434-1200
LOT/BIC	CK: 3A/4A	N Recidence		S	ubdivision:	Tiffany Woo	ds	
	. wiiiiyan i ss: 512 NF	= Promised \	/iew Dr					
Citv: L	ees Summ	it		S	tate: MO			
Genera	al Truss Er	ngineering C	riteria &	Desig	n Loads (I	ndividual Tru	uss Desigr	1
Drawin	gs Show S	Special Load	ling Con	dition	s):			
Design	Code: IR	C2018/TPI20)14 Speed: 1	15 mmh	D D	esign Program	: MiTek 20	/20 8.6 Envelope)/C C hybrid Wind ASCE
	$rad \cdot 60.0 \text{ m}$	sf	speed. 1	15 mpi		oor Load: N/4	MWFKS (A nef	Enverope)/C-C hybrid wind ASCE
ROOT LO	Juu . 00.0 p	51			11		1 psi	
Mean F	Roof Height	(feet): 35			E	xposure Categ	ory: C	
No	Seal#	Truss Name	Date	No	Seal#	Truss Name	Date	
1	158527938	F01	5/24/23	35	158527972	F35	5/24/23	
2 3	158527939 158527940	F02 F03	5/24/23 5/24/23	36 37	l58527973 l58527974	F36 F37	5/24/23 5/24/23	
4	158527941	F04 F05	5/24/23	38 39	158527975	F38 F39	5/24/23	
ĕ	158527943	F06	5/24/23	40	158527977	F40	5/24/23	
8	158527945	F07 F08	5/24/23	41	158527979	F41 F42	5/24/23	
9 10	158527946 158527947	F09 F10	5/24/23 5/24/23	43 44	158527980 158527981	F43 F43A	5/24/23 5/24/23	
11	158527948	F11 F12	5/24/23	45 46	158527982	F44 F45	5/24/23	
13	158527950	F13	5/24/23	47	158527984	F46	5/24/23	
14 15	158527951	F14 F15	5/24/23 5/24/23	48 49	158527985	F47 F48	5/24/23 5/24/23	
16 17	158527953 158527954	F16 F17	5/24/23 5/24/23	50 51	158527987 158527988	F49 F50	5/24/23 5/24/23	
18	158527955	F18	5/24/23	52	158527989	F51	5/24/23	
20	158527957	F20	5/24/23	53 54	158527990	F52 F53	5/24/23	
21 22	158527958 158527959	F21 F22	5/24/23 5/24/23	55 56	158527992 158527993	F54 F55	5/24/23 5/24/23	
23 24	158527960	F23 F24	5/24/23	57	158527994	F56 F57	5/24/23	
25	158527962	F25	5/24/23	59	158527996	F58	5/24/23	
26 27	158527963	F26 F27	5/24/23 5/24/23	60 61	158527997	F59 F60	5/24/23 5/24/23	
28 29	158527965	F28 F29	5/24/23 5/24/23	62 63	158527999	F61 F62	5/24/23 5/24/23	
30	158527967	E30	5/24/23	64	158528001	F63	5/24/23	
32	158527969	F32	5/24/23	66 66	158528002	F65	5/24/23 5/24/23	
33 34	158527970 158527971	F33 F34	5/24/23 5/24/23	67 68	158528004 158528005	⊢66 F67	5/24/23 5/24/23	

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

5/24/23

Truss Design Engineer's Name: Nathan Fox

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

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



Nathan Fox

5/24/23

7-16





MiTek USA, Inc. 16023 Swingley Ridge Rd Chesterfield, MO 63017 314-434-1200

RE: P210577 - Floor -

No.	Seal#	Truss Name	Date
69 701 772 73 774 756 777 78 881 883 885 887 889 912 934 956 97 98	I58528006 I58528007 I58528009 I58528010 I58528011 I58528013 I58528013 I58528014 I58528014 I58528015 I58528016 I58528017 I58528017 I58528018 I58528021 I58528021 I58528023 I58528023 I58528025 I58528026 I58528026 I58528026 I58528027 I58528026 I58528028 I58528029 I58528030 I58528031 I58528033 I58528033 I58528033 I58528033 I58528033 I58528033 I58528033	F68 F69 F70 F71 F72 F73 F74 F75 F76 F77 F78 F79 F80 F81 F83 F84 F83 F84 F85 F84 F85 F88 F88 F88 F88 F88 F89 F90 F91 F92 F93 F94 F96 F97 F97	5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/23 5/24/24/2

						RELEASE FOR CONSTRUCTION
lob	Truce	Trues Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F01	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

2-7-6

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

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3185/24/2023 ID:xfaeJN2IyTqF75KMM51al7zIRBV-RfC?PsB70Hq3NSgPqnL8w3uITXbGK vrCDoi704201

0-1-8







Scale = 1:30

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

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	тс	0.09	Vert(LL)	0.00	5	>999	720	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.02	4-5	>999	720			
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-S							Weight: 34 lb	FT = 20%F, 11%E	
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP No.2(flat)												
WEBS	2x4 SP No.2(flat)												
OTHERS	2x4 SP No.2(flat)												
BRACING													
TOP CHORD	Structural wood she	athing directly applie	ed or										
	3-8-6 oc purlins, except end verticals.												

BOT CHORD	Rigid ceiling directly applied or	10-0-0 oc
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	bracing.	
REACTIONS	(size)	1=0-6-4, 4=0-6-0
	Max Grav	1=217 (LC 1), 4=225 (LC 1)
FORCES	(lb) - Max Tension	imum Compression/Maximum
TOP CHORD	2-5=0/19,	3-4=-206/0, 1-2=0/0, 2-3=0/0
BOT CHORD	4-5=0/0	
WEBS	2-4=0/0	

NOTES

- 1) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



16023 Swingley Ridge Rd Chesterfield, MO 63017



Scale = 1:32.2

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

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.14 0.06 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 7-8 6-7 6	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 65 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat)	flat)										
OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing											
REACTIONS	(size) 1=0-6-4, 6 Max Grav 1=412 (LC	6=1-1-10 C 1), 6=422 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-8=0/13, 5-6=0/14, 3-4=-635/0, 4-5=0/0	1-2=0/0, 2-3=-635/0	l,									
BOT CHORD WEBS	7-8=0/0, 6-7=0/255 2-7=0/697, 3-7=-421 4-6=-489/0	/0, 4-7=0/421,										

NOTES

 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.

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
loh	Truce		Otv	Plv		AS NOTED FOR PLAN REVIEW
366	11035	Thuss Type		I IV		DEVELOPMENT SERVICES
P210577 - Floor	F03	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		•				

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3195/24/29:23 ID:QHusd1wLhnEPb65zNRnh?czIR95-RfC?PsB70Hq3NSgPqnL8w3ulTXbGkWrCDorw4299 f





 0-9-0
 1-8-8
 2-8-8
 3-8-8
 7-11-6

 0-9-0
 0-11-8
 1-0-0
 1-0-0
 4-2-14

Scale = 1:35.1

Vate Offsets (X, Y): [2:0-6-0,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [6:0-1-8,0-0-12], [11:Edge,0-1-8]												
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.25 0.09 0.20	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.03 0.01	(loc) 8-9 8-9 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 73 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(t 2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat)										
TOP CHORD BOT CHORD	OP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS	EACTIONS (size) 1=0-6-4, 7=0-2-12 Max Grav 1=485 (1 C 1) 7=495 (1 C 1)											
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	2-11=0/992, 6-7=-49	00/0, 1-2=0/0, 2-3=0/ 4/0_5-6=-534/0	/0,									
BOT CHORD	10-11=0/666, 9-10=0 7-8=0/0	0/667, 8-9=0/665,										
WEBS	3-10=0/39, 4-9=0/28 4-8=-188/0 5-8=-350	, 3-11=-1200/0, 0/0_6-8=0/695										
NOTES 1) Unbalance this design 2) Provide m bearing pla 3) This truss Internation R802.10.2 4) Recomme 10-00-00 (0.131" X (at their out 5) CAUTION LOAD CASE(5)	ed floor live loads have h. echanical connection (ate at joint(s) 7. is designed in accorda hal Residential Code se and referenced standa nd 2x6 strongbacks, or oc and fastened to eac 3") nails. Strongbacks ter ends or restrained l , Do not erect truss bac S) Standard	been considered for by others) of truss to ance with the 2018 actions R502.11.1 a ard ANSI/TPI 1. n edge, spaced at h truss with 3-10d to be attached to w by other means. ckwards.	or o nd alls								NATHA FO	MISSOL NIEL X MAR 042259

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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						RELEASE FOR CONSTRUCTION
loh	Truss	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11033		Guy	1 19		DEVELOPMENT SERVICES
P210577 - Floor	F04	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125/24/20:23 ID:C020xo2F5AdrQpR4WEUGxwzIR8w-RfC?PsB70Hq3NSgPqnL8w3uITXbsKWrCDb-1920;22



3x3 = 1.5x4 u

4x6 =

0-9-0				
Ĺ	3-0-8	4-0-8 5-0-8	9-3-6	
0-9-0	2-3-8	1-0-0 1-0-0	4-2-14	

Scale = 1:38.6

Plate Offsets (X, Y):	: [2:0-1-8,Edge], [4:0-1-8,Edge]	, [5:0-1-8,Edge], [7:0-1-8,Edge]	, [7:0-1-8,0-0-12], [13:Edge,0-0-12]
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Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.19 0.12 0.29	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.03 0.00	(loc) 10-11 10-11 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 87 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(f 2x4 SP No.2(flat) 2x4 SP No.2(flat)	ilat)										
TOP CHORD BOT CHORD	 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 											
REACTIONS	ize) 1=0-6-4, 8=0-2-12 ax Grav 1=569 (LC 1), 8=579 (LC 1)											
FORCES	(Ib) - Maximum Compression/Maximum Tension											
TOP CHORD	2-13=0/10, 7-8=-574, 3-4=-691/0, 4-5=-102	/0, 1-2=0/0, 2-3=-69 22/0, 5-6=-628/0,	1/0,									
BOT CHORD WEBS	6 - 7 = -628/0) 12-13=0/1020, 10-11=0/1022, 9-10=0/1019, 8-9=0/0 4-11=0/32, 5-10=0/34, 4-12=-535/0, 3-12=-375/0, 2-12=0/1026, 5-9=-436/0, 6-0=-2376/0, 2-0.0472											
NOTES	0 0 020,0, 1 0 0,01											
 Unbalance this design Provide me bearing pla This truss i Internation R802.10.2 Recommen 10-00-00 c (0.131" X3 at their out CAUTION, 	Ibalanced floor live loads have been considered for s design. ovide mechanical connection (by others) of truss to aring plate at joint(s) 8. is truss is designed in accordance with the 2018 ternational Residential Code sections R502.11.1 and 302.10.2 and referenced standard ANSI/TPI 1. accommend 2x6 strongbacks, on edge, spaced at 0-00-00 oc and fastened to each truss with 3-10d .131" X 3") nails. Strongbacks to be attached to walls their outer ends or restrained by other means. AUTION, Do not erect truss backwards.								MISSOLUTION WIEL H42259			
	Champlerd										A Part	100

LOAD CASE(S) Standard







Scale = 1:35.7

Plate Offsets (X, Y): [2:0-1-8,Edg	e], [4:0-1-8,Edge], [5:0)-1-8,Edge], [7:0-1-8,Ed	ge], [7:0-1-8,0-0-12	2], [13:Edg	ge,0-0-12]						
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.22 0.15 0.38	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.03 -0.04 0.01	(loc) 10-11 10-11 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 98 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP 2400F 2.0 2x4 SP No.2(flat) 2x4 SP No.2(flat)	E(flat)										
TOP CHORD BOT CHORD	Structural wood s 6-0-0 oc purlins, Rigid ceiling direc bracing.	heathing directly appli except end verticals. tly applied or 10-0-0 o	ed or c									
REACTIONS	(size) 1=0-6-4 Max Grav 1=654	l, 8=0-2-12 (LC 1), 8=664 (LC 1)										
FORCES	(lb) - Maximum Compression/Maximum Tension											
TOP CHORD	D 2-13=-1/0, 7-8=-659/0, 1-2=0/0, 2-3=-805/0, 3-4=-805/0, 4-5=-1350/0, 5-6=-727/0,											
BOT CHORD	12-13=0/0, 11-12: 9-10=0/1347, 8-9:	=0/1347, 10-11=0/135 =0/0	0,									
WEBS	3-10=0/1047, $0-9=0/04-11=0/35$, $5-10=0/36$, $4-12=-616/0$, 3-12=-807/0, $2-12=0/1357$, $5-9=-685/0$, 6-9=-314/0, $7-9=-0/045$											
NOTES	000000000000000000000000000000000000000											and the
 Unbalance this design Provide me bearing plate 	ed floor live loads ha n. echanical connectio ate at joint(s) 8.	ve been considered fond the set of the set o	o							Ē	TATE OF	MISSOLUS
3) This truss Internation R802.10.2	s truss is designed in accordance with the 2018 rnational Residential Code sections R502.11.1 and 12.10.2 and referenced standard ANSI/TPI 1.								X			
 Recomme 10-00-00 c (0.131" X 3 at their out 	ecommend 2x6 strongbacks, on edge, spaced at)-00-00 oc and fastened to each truss with 3-10d 1:31" X 3") nails. Strongbacks to be attached to walls their outer ands or restrained by other means PE-2022042259								DER 042259			
5) CAUTION	TION, Do not erect truss backwards. ASE(S) Standard											

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:35.3

Plate Offsets (2	X, Y): [2:0-1-8,Edge]	, [4:0-1-8,Edge], [5:0	-1-8,Edge], [7:0-1-8,Edg	ge], [7:0-1-8,0-0-12	2], [13:Edg	ge,0-0-12]						
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.26 0.19 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.07 0.01	(loc) 11-12 11-12 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 110 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP 2400F 2.0Er 2x4 SP No.2(flat) 2x4 SP No.2(flat)	(flat)										
TOP CHORD	 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 											
REACTIONS	(size) 1=0-6-4, 3 Max Grav 1=738 (Lu	8=0-2-12 C 1), 8=748 (LC 1)										
FORCES	(Ib) - Maximum Compression/Maximum Tension											
TOP CHORD	D 2-13=0/13, 7-8=-743/0, 1-2=0/0, 2-3=-1490/0, 3-4=-1490/0, 4-5=-1692/0, 5-6=-822/0, 6-7=-822/0											
BOT CHORD	12-13=0/0, 11-12=0 9-10=0/1689, 8-9=0	/1690, 10-11=0/1692 //0	2,									
WEBS	4-11=0/31, 5-10=0/40, 4-12=-407/0, 3-12=-670/0, 2-12=0/1692, 5-9=-957/0, 6-9=-294/0, 7-9=0/1070											
NOTES	,											
 Unbalance this design Provide me 	ed floor live loads have n. echanical connection	e been considered fo (by others) of truss to	r o							4	TE OF M	AISSO
bearing pla 3) This truss Internation R802.10.2) plate at joint(s) 8. Iss is designed in accordance with the 2018 tional Residential Code sections R502.11.1 and 0.2 and referenced standard ANSI/TPL 1.									NIEL E		
4) Recomment 10-00-00 c (0.131" X 3 at their out	nmend 2x6 strongbacks, on edge, spaced at -00 oc and fastened to each truss with 3-10d "X 3") nails. Strongbacks to be attached to walls router ender or restringed by other means											
5) CAUTION	, Do not erect truss ba S) Standard	ackwards.								Q	FESSIONA	L ENGINE

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:34.1

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.06	12-13	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.10	12-13	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 122 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP 2400F 2.0E(flat)										
WEBS	2x4 SP No.2(flat)	,										
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex	cept end verticals.	-									
BOT CHORD	bracing.	applied of 10-0-0 of										
REACTIONS	(size) 1=0-6-4, 9	9=0-2-12										
	Max Grav 1=823 (LC	C 1), 9=833 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	2-14=0/1271, 8-9=-8	327/0, 1-2=0/0, 2-3=	0/0,									
	3-4=-2059/0, 4-5=-2	059/0, 5-6=-2041/0,										
	6-7=-917/0, 7-8=-91	7/0	2011									
BOT CHORD	13-14=0/1083, 12-13	3=0/2040, 11-12=0/2	2041,									
WERS	10-11=0/2038, 9-10= 5 12_0/22 6 11_0/4	=U/U 0 5 12_ 202/172										
WEB3	1-12=0/23, 0-11=0/4	0, 5-15=-202/175, 1/1080 3-141654/	n									
	6-10=-1238/0. 7-10=	-274/2.8-10=0/119	3									
NOTES	0 10 1200,0,1 10	21 1/2, 0 10 0/110	•									
1) Unbalance	ed floor live loads have	been considered fo	or								ADD	and
this design).										B.F. OF I	AIS S
Provide me	echanical connection ((by others) of truss to	0							4	2.01	N'OS
bearing pla	ate at joint(s) 9.									B	NATHA	NIFL XP.V
This truss i	is designed in accorda	ance with the 2018								8	FO	
Internation	al Residential Code se	ections R502.11.1 a	nd							M	1 A	a set
R802.10.2	and referenced stand	ard ANSI/TPT1.								an	AL	
4) Recommen	nd 2x6 strongbacks, 0	h euge, spaced at								WI	har	SI Simol
(0 131" X 3	3") nails Stronghacks	to be attached to w	alle							NT	WU UM	DOR OULLY
at their out	ter ends or restrained l	by other means.								N	ON PE-2022	042259
5) CAUTION,	, Do not erect truss ba	ckwards.								V	12	18A
LOAD CASE	S) Standard										0.500	NO'B
											UNA NA	LEY

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Plate Offsets (X, Y): [2:0-6-0,Edge], [3:0-4-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [8:0-1-8,0-0-12], [14:Edge,0-1-8]





Scale = 1:34.1

Plate Offsets (Plate Offsets (X, Y): [2:0-6-0,Edge], [3:0-4-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge], [8:0-1-8,0-0-12], [14:Edge,0-1-8]											
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.32 0.28 0.37	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.15 0.01	(loc) 12-13 13-14 9	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 134 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat)										
TOP CHORD BOT CHORD	DRD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. DRD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS	(size) 1=0-6-4, 9=0-2-12 Max Grav 1=907 (LC 1), 9=917 (LC 1)											
FORCES	(Ib) - Maximum Compression/Maximum Tension											
BOT CHORD	 ₹D 2-14=0/981, 8-9=-910/0, 1-2=0/0, 2-3=0/0, 3-4=-2690/0, 4-5=-2690/0, 5-6=-2388/0, 6-7=-1012/0, 7-8=-1012/0 ₹D 13-14=0/1864, 12-13=0/2388, 11-12=0/2388, 											
WEBS	10-11=0/2384, 9-10=0/0 5-12=-4/12, 6-11=0/55, 6-10=-1515/0, 7-10=-257/36, 8-10=0/1317, 5-13=-120/472, 4 12= 474/0 - 212=0/011 - 214=-2004/0											
NOTES												
 Unbalance this design Provide m bearing pla This truss Internation R802 10 2 	Unbalanced floor live loads have been considered for this design. Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and P002 40.0 and returned divided AVICTPL1								MISSOLP NIEL			
 4) Recomme 10-00-00 c (0.131" X at their out 5) CAUTION LOAD CASE(\$ 	Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. CAUTION, Do not erect truss backwards. DAD CASE(S) Standard							D42259				



May 24,2023





Scale = 1:36.4

Diato	Offcoto (V	V۱۰	[2:0 1 9 Edgo]	[4:0 4 0 Edge	1 16-0 1 0	Edgo] [7:0 -		[0:0 1 9 Edgo]	10.0 1 9 0 0 121	[16.Edgo 0.0	12
iale		1).	[z.0-1-0,Luye],	[4.0-4-0,Luge	J, [0.0-1-0	,Lugej, [1.0-	1-0, Lugej,	[3.0-1-0,Luge],	[3.0-1-0,0-0-12]	, [10.Luye,0-0-	14

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.11	13-14	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.31	Vert(CT)	-0.18	13-14	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 147 lb	FT = 20%F, 11%E

	2v4 SP No 2(flat)
BOT CHORD	2x4 SD 2400E 2 0E(flot)
WERE	2x4 SF 2400F 2.0E(IIal)
OTHERS	2x4 SP No.2(flat)
UTHERS	2x4 SP N0.2(IIat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 1=0-6-4, 10=0-2-12
	Max Grav 1=992 (LC 1), 10=1002 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	2-16=-16/0, 9-10=-995/0, 1-2=0/0,
	2-3=-1481/0, 3-4=-1481/0, 4-5=-3330/0,
	5-6=-3330/0, 6-7=-2735/0, 7-8=-1107/0,
	8-9=-1107/0
BOT CHORD	15-16=0/0, 14-15=0/2548, 13-14=0/2735,
	12-13=0/2735, 11-12=0/2730, 10-11=0/0
WEBS	6-13=-6/13, 7-12=0/59, 6-14=0/782,
	5-14=-588/0, 4-14=0/863, 4-15=-1176/0,
	3-15=-1069/0, 2-15=0/2198, 7-11=-1793/0,
	8-11=-239/72, 9-11=0/1441
NOTEO	

NOTES

- Unbalanced floor live loads have been considered for this design.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023





Flate Olisets (A, T). [2.0-1-0	,∟uye],	[7.0-4-0,Euge], [9.0-	-1-8,Eugej, [10.0-1-8,Eug	Je], [13.0-1-0,⊏uye], [13.0-	1-0,0-1-0], [2	0.0-5-12	,Eugej, [z i.Euge	;, 0-0- 1.	2]		
Loading TCLL TCDL BCLL BCDL		(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.39 0.38 0.79	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.25 0.01	(loc) 17-18 18-20 14	l/defl >999 >827 n/a	L/d 720 720 n/a	PLATES MT20 MT18HS Weight: 159 lb	GRIP 244/190 244/190 FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP 2400 2x4 SP No.2 2x4 SP No.2 Structural wo 6-0-0 oc purl Rigid ceiling bracing. (size) 1=	(flat) F 2.0E(f (flat) (flat) cod shea lins, exc directly =0-6-4, 1	ilat) athing directly applie xept end verticals. applied or 10-0-0 oc 4=0-2-12	LOAD CASE(S) d or	Standard									
	Max Grav 1=	=1076 (L	C 1), 14=1086 (LC 1	1)										
FORCES	(lb) - Maximu Tanaian	um Com	pression/Maximum											
TOP CHORD	2-21=0/9, 13 2-3=-2497/0, 8-9=-3965/0, 12-13=-1202	-14=-10 , 3-7=-24 , 9-10=-3 2/0	79/0, 1-2=0/0, 497/0, 7-8=-3965/0, 3081/0, 10-12=-1202	2/0,										
BOT CHORD	20-21=0/0, 1	8-20=0/3	3298, 17-18=0/3082	,										
WEBS	16-17=0/308 9-17=-12/9, 7 8-18=-662/0, 3-20=-800/0, 12-15=-222/7	10-16=0, , 7-18=0, , 2-20=0, 107, 13-)=0/3076, 14-15=0/0 /64, 9-18=0/1088, /735, 7-20=-883/0, /2782, 10-15=-2070, 15=0/1564	/0,								0000	an	
NOTES		,										OF M	1180	
 Unbalance this design All plates a Provide m bearing pl This truss Internation R802.10.2 Recomme 10-00-00 a (0.131" X at their ou CAUTION 	ed floor live loa are MT20 plate echanical conr ate at joint(s) 1 is designed in al Residential and reference and 2x6 strongb oc and fastened 3") nails. Stror ter ends or resid , Do not erect t	ds have as unless nection (I 4. accorda Code se d standa backs, or d to each ngbacks trained b truss bac	been considered for s otherwise indicated by others) of truss to nce with the 2018 ections R502.11.1 ar ard ANSI/TPI 1. In edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards.	r d. o nd alls								NATHA FOX PE-20220 PE-20220	NIEL HER HR CITY H2259 COM	t
												iviay	27,2020	





Scale =	1:36.6
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Plate Offsets (X, Y): [2:0-6-0,Edge], [3:0-4-0,Edge], [6:0-4-0,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [14:0-1-8,Edge], [14:0-1-8,0-1-0], [22:Edge,0-1-8]												
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.45 0.45 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.19 -0.31 0.02	(loc) 18-19 19-20 15	l/defl >999 >722 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 171 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing	flat) athing directly applie cept end verticals. applied or 10-0-0 oc	LOAD CASE(S)	Standard								
REACTIONS	(size) 1=0-6-7, 1	15=0-2-12 C 1) 15=1172 (I C 1	N .									
FORCES	(lb) - Maximum Com	pression/Maximum)									
TOP CHORD	2-22=0/1746, 14-15= 2-3=0/0, 3-5=-3388/0 6-8=-4602/0, 8-10=- 11_13=-1299/0_13-1	=-1164/0, 1-2=0/0, 0, 5-6=-3388/0, 4602/0, 10-11=-3433	3/0,									
BOT CHORD	20-22=0/1789, 19-20)=0/4081, 18-19=0/3	434,									
WEBS	10-18=-0/343, 10-17= 8-19=-728/0, 6-19=0 5-20=-368/0, 3-20=0 11-16=-2352/0, 13-1 14-16=0/1690	-=0/3428, 13-10=0/0 :0/69, 10-19=0/1394,)/575, 6-20=-763/0,)/1768, 3-22=-2487/0 6=-205/144,),								ASS OF M	MISS
NOTES 1) Unbalance this design 2) Provide m bearing pla 3) This truss Internation R802.10.2 4) Recommen 10-00-00 c (0.131" X 3 at their out 5) CAUTION	ed floor live loads have echanical connection (ate at joint(s) 15. is designed in accorda ial Residential Code se and referenced stand nd 2x6 strongbacks, o by and fastened to eac 3") nails. Strongbacks ter ends or restrained l , Do not erect truss ba	been considered for by others) of truss to ance with the 2018 ections R502.11.1 ar ard ANSI/TPI 1. n edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards.	nd						Ĩ		PE-20220 PE-20220 May	NIEL 8ER 042259 L ENGINE 24,2023





LUMBER		LOAD CASE(S)	Standard
TOP CHORD	2x4 SP 2400F 2.0E(flat)		
BOT CHORD	2x4 SP 2400F 2.0E(flat)		
WEBS	2x4 SP No.2(flat)		
OTHERS	2x4 SP No.2(flat)		
BRACING			
TOP CHORD	Structural wood sheathing directly applied or		
	6-0-0 oc purlins, except end verticals.		
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc		
	bracing.		
REACTIONS	(size) 1=0-2-14, 15=0-2-12		
	Max Grav 1=1160 (LC 1), 15=1165 (LC 1)		
FORCES	(lb) - Maximum Compression/Maximum		
	Tension		
TOP CHORD	2-22=0/1277, 14-15=-1158/0, 1-2=0/0,		
	2-3=0/0, 3-5=-3297/0, 5-6=-3297/0,		
	6-8=-4520/0, 8-10=-4520/0, 10-11=-3338/0,		
	11-13=-1325/0, 13-14=-1325/0		
BUICHURD	20-22=0/1030, 19-20=0/3923, 10-19=0/3330, 17-18=0/3338, 16-17=0/3333, 15-16=0/0		
WEBS	10-18=-5/12 11-17=0/58 10-19=0/1404		
WEbb	8-19=-766/0, 6-19=0/655, 6-20=-692/0.		
	5-20=-420/0, 3-20=0/1834, 3-22=-2064/0,		
	11-16=-2219/0, 13-16=-240/66,		
	14-16=0/1723		
NOTES			
1) Unbalance	d floor live loads have been considered for		
this design			
Provide me	echanical connection (by others) of truss to		
bearing pla	ate at joint(s) 15, 1.		
3) This truss	is designed in accordance with the 2018		
PR02 10 2	and referenced standard ANSI/TPL1		
4) Recomme	and 2x6 strongbacks on edge spaced at		
10-00-00 c	ic and fastened to each truss with 3-10d		
(0.131" X 3	3") nails. Strongbacks to be attached to walls		
at their out	er ends or restrained by other means.		

5) CAUTION, Do not erect truss backwards.



16023 Swingley Ridge Rd Chesterfield, MO 63017

												Г	RELEAS	E FOR COM	ISTRUCTION
Job		Truss		Truss Type			Qty	, Ŀ	Ply				AS NOT DEVEL	ED FOR PL	AN REVIEW
P210577 - F	Floor	F13		Floor			5	-	1	Job Referer	nce (optio	nali	LEE'S	15852 SUMMIT, I	7950 MISSOURI
Premier Building	g Supply (Spring	hill, KS), S	pring Hills, KS - 66083,		R	un: 8.63 S Nov :aSvLlsFQ5J2i6	19 2022 F 6F8Vxwc	Print: 8.63	0 S Nov 19 RfC?PsB70	2022 MiTek li Ha3NSaPanLi	ndustries, li 8w3uITXbG	nc. Tue KWrCI		24/2	2023
						.4092.01 400230		.202.039.		inqoinogi qiiz			. 4 0 4		
													1-2-14	-	
			0-3	3-0 -				1	-6-13					0-1-8 ∦	
			2-6-0	I		1	1-8-8	1	1	2-0-0	I			1.5x4 =	
					3x6	FP		-	F		3x6	FP	8	x8 =	
			8x8 =	3x12 u	6x6 =	4x6	II	3x12 и	8x8 =		8x8 =		3x12 ш		
\top	00		2		4 5	6		7			<u>9</u> 1	0	11	12	Т
0-9-1	<u></u> -	X													0-9-1
	<u>-</u> -	Ļ									45				
		3:	22 x6 II	21 -0	MT18HS	18 3x10 FP		17 5x8 =	16		15 3x6 I		14	⊠ 6x6 =	
			MT18HS S	6x6-		4x6 u			3x6	п			6x12 =		
				MT18HS 3v10	FD										
				WITTONIO SXIC											
		0-3-0	0 3-6-0	4-6-3	1	0-4-0		12	2-3-5 1	3-3-5 14-3-	5	1	8-6-3		
		0-3-0	3-3-0	1-0-3	5	-9-13		1 1-	11-5	1-0-0 1-0-0	21	4	-2-14	Ι	
Scale = 1:38.8															
Plate Offsets ((X, Y): [1:0-1-	-8,Edgej,	[6:0-3-0,Edge], [8:0-	1-8,Edge], [9:0	-1-8,Edgej, [12	::0-1-8,Edge],	[12:0-1-	8,0-0-12	2], [15:0-3-	0,Edgej, [17	:0-2-0,Ed	igej, [1	18:0-3-0,Edgej	, [22:0-3-0	,Edgej
Loading TCLL		(psf) 60.0	Spacing Plate Grip DOL	1-4-0 1.00	CS TC		0.16	DEFL Vert(LL	i) -0.1	in (loc) 6 18-21	l/defl l >999 7	L/d F 20 N	PLATES MT20	GRIP 244/190)
TCDL BCLL		25.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES	BC WE		0.29 0.79	Vert(CT Horz(C	T) -0.2 T) 0.0	5 18-21 0 13	>861 7 n/a r	'20 M n/a	VT18HS	244/190)
BCDL		10.0	Code	IRC2018/TP	2014 Ma	trix-S		,	,		_	١	Weight: 180 lb	FT = 20	%F, 11%E
LUMBER TOP CHORD	2x4 SP 240	0F 2.0E(flat)	5) Re 10	commend 2x6 ·00-00 oc and f	strongbacks, o astened to ea	on edge ch truss	, spaced with 3-1	at 0d						
BOT CHORD	2x4 SP 240 2x4 SP No	0F 2.0E(1 2(flat)	flat)	(0. at	131" X 3") nails heir outer ends	. Strongbacks or restrained	s to be a by othe	attached r means	to walls						
OTHERS	2x4 SP No.	2(flat)		6) Ga	p between insi	de of top chore	d bearin	g and fir d 0 500i	st n						
TOP CHORD	Structural v	vood shea	athing directly applie	d or 7) CA	UTION, Do no	erect truss ba	ackward	s.							
BOT CHORD	6-0-0 oc pu Rigid ceiling	rlins, exo g directly	cept end verticals. applied or 10-0-0 oc	LOAD	CASE(S) Sta	ndard									
REACTIONS	bracing. (size) 1	=0-2-14,	13=0-2-12												
FORCES	Max Grav 1	=1145 (L	.C 1), 13=1145 (LC 1 pression/Maximum)											
	Tension	10 10	1125/0 1 2 2572/0												
TOP CHORD	2-3=-2572/	0, 3-4=-2	536/0, 4-6=-5109/0,												
	6-7=-4544/0 9-11=-1381), 7-8=-44 /0, 11-12	496/0, 8-9=-3449/0, =-1381/0												
BOT CHORD	22-23=0/0, 17-18=0/51	21-22=0/ 09, 16-17	2572, 18-21=0/4421 7=0/3455, 15-16=0/3	, 449,											
WEBS	14-15=0/34 3-21=0/433	38, 13-14 , 7-17=-3	1=0/0 41/0, 8-16=-105/0,												
	9-15=0/127 4-21=-2047	, 1-22=0/ /0, 4-18=	2799, 2-22=-727/0, 0/778, 6-18=-231/0,										and	an	
	6-17=-687/0 11-14=-163), 8-17=0 /28, 12-1	/1342, 9-14=-2253/0 4=0/1758	,								6	TE OF	MISS	D
NOTES		, _ 0, 1 _ 1										AE	NATHA	NIEL	(AS
this design	n.	ads nave	been considered for								7	n.	FO	Х	
 All plates a Provide m 	are MT20 plat lechanical cor	es unless nection (s otherwise indicated by others) of truss to								K	/4	All	// ^	Alla
bearing place4) This truss	ate at joint(s) is designed ir	1, 13. 1 accorda	ince with the 2018								//		Takh	BER C	1 EOR
Internation R802.10.2	nal Residentia 2 and reference	l Code se ed stand:	ections R502.11.1 ar ard ANSI/TPI 1.	d								N,ô	PE-2022	.042259	NA A
												V	SSIONA	LEN	S B
													Aller .	5000	~
													Ma	y 24,20	23
WARN	NING - Verify desig	jn paramete	rs and READ NOTES ON	HIS AND INCLUD	ED MITEK REFERE	NCE PAGE MII-74	473 rev. 5/	19/2020 BE	FORE USE.						





TOP CHORD 2x4 SP 2400F 2.0E(flat) 2x4 SP 2400F 2.0E(flat) BOT CHORD 2x4 SP No.2(flat) WEBS 2x4 SP No.2(flat) OTHERS BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS 1=0-2-14, 15=0-2-12 (size) Max Grav 1=1160 (LC 1), 15=1165 (LC 1) FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 2-22=0/1277, 14-15=-1158/0, 1-2=0/0, 2-3=0/0, 3-5=-3297/0, 5-6=-3297/0, 6-8=-4520/0, 8-10=-4520/0, 10-11=-3338/0, 11-13=-1325/0, 13-14=-1325/0 BOT CHORD 20-22=0/1638, 19-20=0/3925, 18-19=0/3338, 17-18=0/3338, 16-17=0/3333, 15-16=0/0 WEBS 10-18=-5/12, 11-17=0/58, 10-19=0/1404, 8-19=-766/0, 6-19=0/655, 6-20=-692/0, 5-20=-420/0, 3-20=0/1834, 3-22=-2064/0, 11-16=-2219/0, 13-16=-240/66, 14-16=0/1723 NOTES Unbalanced floor live loads have been considered for 1)

this design.Provide mechanical connection (by others) of truss to

 bearing plate at joint(s) 15, 1.
 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.

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.







Scale = 1:36.2

Plate Offsets (X, Y):	[1:0-1-8,0-3-0], [2:0-4-0,Edge], [5:0-4-0,Ed	lge], [9:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,Edge], [13:0-1-8,0-1-0]
-----------------------	----------------------------------------------	--------------------------------------	--------------------------------------

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.17 0.40 0.52	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.23 0.05	(loc) 17-18 18-20 14	l/defl >999 >918 n/a	L/d 720 720 n/a	PLATES MT20 MT18HS Weight: 169 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS FORCES TOP CHORD BOT CHORD WEBS	R LOAD CASE(S) Standard ORD 2x4 SP 2400F 2.0E(flat) 2x4 SP 2400F 2.0E(flat) 2x4 SP No.2(flat) S 2x4 SP No.2(flat) 5 2x4 SP No.2(flat) IG IORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. IORD Rigid ceiling directly applied or 10-0-0 oc bracing. IORN (size) 14=0-2-12, 21=0-6-0 Max Grav 14=1130 (LC 1), 21=1130 (LC 1) S (b) Maximum Compression/Maximum Tension Tension 7:9=-42897(0, 35-2887(0, 5-7=-4259(0, 7-9=-4259(0, 7-9=-4259(0, 10-12=-1283(0, 12-13=-1283(0, 10-12=-1283(0, 12-13=-1283(0, 10-12=-1283(0, 12-13=-1283(0, 12-13=-1283(0, 12-13=-1283(0, 12-13)=-1283(0, 12-13=-1283(0, 12-13)=-1283(0, 12-13=-1283(0, 12-13)=-1283(0, 12-13)=-1283(0, 12-10/1225, 18-20=0/3617, 17-18=-0/3196, 16-16=0/3192, 14-15=0/0 9:18=0/1277, 7-18=-734(0, 5-18=0/707, 5-20=-0/1337											
 2-21=-1611/0, 10-15=-2109/0, 12-15=-245/55, 13-15=0/1669, 9-17=-4/13, 10-16=0/57 NOTES 1) Unbalanced floor live loads have been considered for this design. 2) All plates are MT20 plates unless otherwise indicated. 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14. 4) 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. 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 									AISSOLUTION			

MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



Scale = 1:35.3

Plate Offsets (X, Y):	[1:0-1-8,0-0-8],	, [6:0-3-0,Edge], [7:0-3-0,Edge], [10:0-3-0,Edge], [10:0-1-8,0-0-8]
-----------------------	------------------	---------------------------------------------------------------------

Loa TCI TCI BCI	ading LL DL LL	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.37 0.49 0.57	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.17 -0.27 0.04	(loc) 14-15 14-15 11	l/defl >999 >730 n/a	L/d 720 720 n/a	PLATES MT20 MT18HS Weight: 112 lb	GRIP 244/190 244/190 ET = 20%E 11%E
	DL	10.0	Code	IRG2010/1P12014	Watrix-S							weight. The lo	FT = 20%F, TT%E
LUI TOI BO ^T WE OTI	MBER P CHORD T CHORD BS HERS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat) flat)										
BR/	ACING P CHORD	ING HORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.											
BO	T CHORD	b-u-u oc purins, except end verticais. RD Rigid ceiling directly applied or 10-0-0 oc bracing.											
RE	ACTIONS	(size) 11=0-2-12	2, 18=0-6-0										
		Max Grav 11=1045	(LC 1), 18=1045 (LC	; 1)									
FOI	RCES	(lb) - Maximum Com Tension	pression/Maximum										
то	P CHORD	1-18=-1034/0, 10-11 2-4=-1797/0, 4-5=-3 6-7=-2772/0, 7-9=-9	=-1026/0, 1-2=-1798 398/0, 5-6=-3398/0, 99/0, 9-10=-1000/0	8/0,									
BO	T CHORD	17-18=0/0, 15-17=0/	/2803, 14-15=0/2772 2-0/2772, 11, 12-0/	2,									
WE	BS	6-14=93/0, 7-13=0/ 5-15=-545/0, 4-15=0 2-17=-328/0, 1-17=0 9-12=-189/191, 10-1	149, 6-15=0/840, 1/668, 4-17=-1130/0, 1/2008, 7-12=-1983/0 2=0/1347)),									
NO	TES	, -										and	TOP
1)	Unbalance	ed floor live loads have	been considered fo	r								FE OF M	AISSO
2)	All plates a	i. are MT20 plates uples	s otherwise indicated	4							6	AN .	NUN
2) 3)	An plates are win zo plates unless one wise indicated.												
5)	bearing plate at joint(s) 11.												
4)	This truss	is designed in accorda	ance with the 2018								ala	14	A A A
,	Internation	al Residential Code se	ections R502.11.1 a	nd							11	91	1 Nh la
	R802.10.2	and referenced stand	ard ANSI/TPI 1.								MU	V U UMA KA	ER I LEN
5)	Recomme	nd 2x6 strongbacks, o	n edge, spaced at								87	DE 2022	M2250

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



							[RELEASE F	OR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply			AS NOTED DEVELO	FOR PLAN REVIEW
P210577 - Floor	F17	Floor		1	1	Job Reference	e (optional)	LEE'S SU	158527954 JMMIT, MISSOURI
Premier Building Supply (Sprin	ghill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Nov 19 ID:Dj6emNT9zGVA) 2022 Print: 8 w3RVhKtJe?z	3.630 S Nov zIH5P-RfC?F	19 2022 MiTek Indu PsB70Hq3NSgPqnL	istries, Inc. Tu 8w3uITXbGK	ue May 131 5522 WrCDore 42904	4/2023
	1-0-11							0-1-8 	
	0-1-8 2-6-0	I		I	2-0-0	I	F	1-2-14	
	4x6 II					-1		1.5x4 =	
	1.5x4 = 3x6 u	6x6 =	3х6 ш	4x6 ॥		4x6 u	3x6	4x6 II	
	1 2	3	4	5		6	7	8	
1-6-0									-9-1-
	13		13	12		11	10	9	
	3x3 = 4x8 =		3x6 =	1.5x4	II	1.5x4 ॥	4x6	= 3x3 =	
		9-2-3 9-2-3		10	<u>-2-3 11-2</u> - 0-0 1-0-	-3	<u>15-5-1</u> 4-2-14		

Scale = 1:34

Lo: TC	ading LL	(psf) 60.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.31	DEFL Vert(LL)	in -0.13	(loc) 12-13	l/defl >999	L/d 720	PLATES MT20	GRIP 244/190	
тс	DL	25.0	Lumber DOL	1.00	BC	0.41	Vert(CT)	-0.21	12-13	>887	720			
BC	LL	0.0	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	9	n/a	n/a			
BC	DL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 104 lb	FT = 20%F, 11%E	
тu	MBER													
TO	P CHORD	2x4 SP 2400F 2.0	(flat)											
во	T CHORD	HORD 2x4 SP 2400F 2.0E(flat)												
WE	BS	2x4 SP No.2(flat)												
OT	HERS	2x4 SP No.2(flat)												
BR	ACING													
то	P CHORD	CHORD Structural wood sheathing directly applied or												
	TOUODD	6-0-0 oc purlins, except end verticals.												
BO	I CHORD	Rigid ceiling directly applied or 10-0-0 oc broging												
RF		(size) 9-0-2-1	2 15-0-6-0											
	Aonono	Max Grav 9=961 (LC 1). 15=961 (LC 1)												
FO	RCES	Max Grav 9=901 (LC 1), 10=901 (LC 1) (Ib) - Maximum Compression/Maximum												
		(ib) - Maximum Compression/Maximum Tension												
то	P CHORD	1-15=-969/0, 8-9=	945/0, 1-2=-899/0,											
		2-3=-899/0, 3-4=-2	816/0, 4-5=-2816/0,											
		5-6=-2445/0, 6-7=	925/0, 7-8=-926/0											
BO	T CHORD	14-15=0/0, 13-14=	0/2084, 12-13=0/2445	5,										
\A/F		11-12=0/2445, 10-	11=0/2445, 9-10=0/0											
VVE		0-12=-72/0, 0-11= 1-13=-408/0 3-13	//120, 5-13=-100/500, .0/822_3_1/1332/0											
		2-14=-265/0 1-14	0/1293 6-10=-1700/0)										
		7-10=-212/144, 8-	0=0/1248	,										
NO	TES											Contra	and and	
1)	Unbalance	ed floor live loads ha	e been considered fo	r								A OF M	AIS C	
,	this design	n.									E	750	N.O.	
2)	Provide m	nechanical connection	(by others) of truss to	0							8	NATHA		
	bearing pl	late at joint(s) 9.									8			
3)	This truss	is designed in accor	lance with the 2018							h	102			
	Internation	International Residential Code Sections Rooz, 11,1 and RRAD and Residential Code Sections Rooz, 11,1 and RRAD 10,2 and referenced standard ANSI/TPL1												
4)	Recomme	and 2x6 stronghacks	on edge snaced at								VI.	h h da	The state	
.)	10-00-00	oc and fastened to e	ch truss with 3-10d								47	A WOON		
	(0.131" X	3") nails. Strongbac	s to be attached to wa	alls							N	ON PE-20220	42259 / 28	
	at their outer ends or restrained by other means.										158			

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
lob	Truce	Truss Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
505	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F18	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
						00/01/0000

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Tue May 3195234/2023 ID:11qAHUcg8y?TMvMpOr577XzIH5D-RfC?PsB70Hq3NSgPqnL8w3ulTXbG WrCDone4294





Scale = 1:33.3

Plate Offsets (X, Y): [5:0-3-0,Edge], [7:0-3-0,Edge], [7:0-1-8,0-0-8], [14:0-1-8,0-0-10]

Loading TCLL TCDL BCLL BCDI	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.25 0.34 0.32	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.15 0.03	(loc) 11-12 11-12 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20	GRIP 244/190	
BCDL	10.0	Code	1KC2010/1F12014	Wathx-3			-				Weight. 94 lb	FT = 20 /0F, TT /0E	
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	x x ORD 2x4 SP 2400F 2.0E(flat) ORD 2x4 SP 2400F 2.0E(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) S 2x4 SP No.2(flat)												
BRACING													
TOP CHORD	P CHORD Structural wood sheathing directly applied or												
BOT CHORD	6-0-0 oc purlins, except end verticals. RD Rigid ceiling directly applied or 10-0-0 oc bracing.												
REACTIONS	(size) 8=0-2-12, Max Grav 8=876 (LC	13=0-6-0 C 1), 13=869 (LC 1)											
FORCES	(lb) - Maximum Com Tension	pression/Maximum											
TOP CHORD	1-13=-122/0, 7-8=-86 2-3=-2239/0, 3-4=-22 5-6=-852/0, 6-7=-852	63/0, 1-2=-6/0, 239/0, 4-5=-2119/0, 3/0											
BOT CHORD	12-13=0/1365, 11-12 9-10=0/2119, 8-9=0/	2=0/2119, 10-11=0/2 0	2119,										
WEBS	4-11=-56/5, 5-10=0/ 3-12=-446/0, 2-12=0 5-9=-1417/0, 6-9=-23	109, 4-12=-231/300, //981, 2-13=-1539/0, 37/96, 7-9=0/1149											
NOTES												~	
 Unbalance this design 	d floor live loads have	been considered fo	r								OF N	AISS	
 Provide me bearing pla 	echanical connection (ate at joint(s) 8.	by others) of truss to	0							Å	AND NATURA	New Color	
 This truss i Internation 	is designed in accorda al Residential Code se	ance with the 2018 actions R502.11.1 a	nd							A	S NATHA	X X	
R802.10.2 4) Recommen 10-00-00 c (0.131" X 3 at their out LOAD CASE(S	R802.10.2 and referenced standard ANSI/TPI 1. Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. OAD CASE(S) Standard												
											NONA	LEN	





						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	DIV		AS NOTED FOR PLAN REVIEW
360	11035	Thuss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F19	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Density British Oracle (Oracle		D 0.00 0 N 10		000 0 N		0010000



Scale = 1:35.3

Plate Offsets (X, Y):	[1:Edae.0-0-12]. [7:0-1-8.Edge]. [14:	0-1-8.0-0-121	[15:0-1-8.0-0-12]
	[

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.14	11-12	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.20	11-12	>769	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2.0E((flat)										
BOT CHORD	2x4 SP 2400F 2.0E((flat)										
WEBS	2x4 SP No.2(flat)											
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc										
REACTIONS	(size) 8=0-2-12, Max Grav 8=785 (LC	, 13=0-6-0 C 1), 13=785 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-13=-27/0, 7-8=-76	4/0, 1-2=-1/0,										
	2-3=-1584/0, 3-4=-1	584/0, 4-5=-1726/0,										
	5-6=-737/0, 6-7=-73	7/0										
BOT CHORD	12-13=0/618, 11-12:	=0/1726, 10-11=0/17	726,									
	9-10=0/1726, 8-9=0/	/35										
WEBS	4-11=-129/26, 5-10=	=0/191, 4-12=-383/18	3,									
	3-12=-374/0, 2-12=0	0/1096, 2-13=-966/0,										
	5-9=-1116/0, 6-9=-2	62/11, 7-9=0/997										
NOTES												an
 Unbalance this design 	ed floor live loads have n.	e been considered fo	r								F OF I	MISC
 Provide me bearing pla 	echanical connection (ate at joint(s) 8.	(by others) of truss to	C							Å	THIN	Nesse .
3) This truss i	is designed in accorda	ance with the 2018								a	S/ NATHA	INTEL / Y
Internation	al Residential Code se	ections R502.11.1 a	nd							H.	d 1 ^{FO}	X
R802.10.2	and referenced stand	lard ANSI/TPI 1.								n 🖌	14	
Recomment	nd 2x6 strongbacks, o	n edge, spaced at								W	The	hall
10-00-00 o	oc and fastened to eac	ch truss with 3-10d								N t	R/VIAM	
(0.131" X 3	3") nails. Strongbacks	to be attached to wa	alls							10 4	DE 2022	042250 1491
at their out	ter ends or restrained	by other means.								N.	PE-2022	142239 / SPA
LOAD CASE(S	Standard									Y	1 Co	1 A
											STONIA	TENA
											QUA	



there

							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW DEVEL OPMENT SERVICES
P210577 - Floor	F20	Floor		1	1	Job Reference (optional	158527957 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	ghill, KS), Spring Hills, KS - 6	6083,	Run: 8.63 S Nov 19 ID:eqrdX1wMFd9ws	2022 Print: slmcMb1_ep;	8.630 S Nov 1H4q-RfC?Ps	19 2022 MiTek Industries, Inc. sB70Hq3NSgPqnL8w3uITXbG	ue May 631852324/26923 WrCDoi/942524
		2-2-3				0-1-8 	
	0-1- ⊣	8	2-0-	-0		1-2-14	
	4	x4 = 2-	6-0			1.5x4 = 4x4 =	
	1.5	ix4 = 1.5x4 u	3x3 =	3x3	=	1.5x4 u	
		2	3	4		5 6 14 8 7	1-6-0
	3х	3 =	1.5x4 u			4x6 =	



1.5x4 🛚

3x3 =

3x8 =

Scale = 1:34.6

Plate Offsets (X, Y): [1:Edge,0-1-8], [6:0-1-8,Edge], [13:0-1-8,0-0-12], [14:0-1-8,0-0-12]

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.23 0.33 0.33	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.01	(loc) 10-11 10-11 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 63 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly	(flat) (flat) athing directly applie cept end verticals. applied or 10-0-0 oc	ed or									
REACTIONS	(size) 7=0-2-12,	, 12=0-6-0										
FORCES	Max Grav 7=700 (L0 (lb) - Maximum Com Tension	C 1), 12=700 (LC 1) pression/Maximum										
TOP CHORD	1-12=-691/0, 6-7=-6 2-3=-1027/0, 3-4=-1 5-6=-670/0	89/0, 1-2=-1027/0, 412/0, 4-5=-670/0,										
BOT CHORD	11-12=0/31, 10-11= 8-9=0/1412, 7-8=0/3 3-10=-69/65, 4-9=-5 2-11=-356/0, 1-11=(5-8=-279/0, 6-8=0/9	0/1412, 9-10=0/1412 31 /131, 3-11=-537/0, 0/1159, 4-8=-838/0, 06	р,									
NOTES												an .
 Unbalance this design 	ed floor live loads have	e been considered fo	r								OF N	Alson
 Provide me bearing pla This trues 	echanical connection (ate at joint(s) 7.	(by others) of truss to)							A	STATE NATHA	NIEL
Internation R802.10.2	al Residential Code s	ections R502.11.1 a lard ANSI/TPI 1.	nd							83	A FOI	× mitt
4) Recomment 10-00-00 co (0.131" X 3 at their out	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained	on edge, spaced at oh truss with 3-10d s to be attached to wa by other means.	alls							San Al	PE-2022	SER 10 10 10 10 10 10 10 10 10 10 10 10 10
LOAD CASE(S	S) Standard									Ą	ESSIONA	L ENGILE



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601







Scale = 1:19.1

Plate Offsets (X, Y): [1:Edge,0-0-12], [13:0-1-8,0-0-12], [14:0-1-8,0-0-12]

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-R	0.04 0.01 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 7	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 32 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, ex	(flat) (flat) eathing directly applied cept end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	C									
REACTIONS	(size) 7=6-2-6, 1 10=6-2-6, Max Grav 7=34 (LC (LC 1), 10 1), 12=61	8=6-2-6, 9=6-2-6, , 11=6-2-6, 12=6-2-6 1), 8=132 (LC 1), 9= 0=167 (LC 1), 11=17 (LC 1)	6 =176 0 (LC									
FORCES	(lb) - Maximum Com	npression/Maximum										
TOP CHORD	1-12=-55/0, 6-7=-26 3-4=-6/0, 4-5=-6/0, {	6/0, 1-2=-6/0, 2-3=-6/ 5-6=-6/0	′0,									
BOT CHORD	11-12=0/6, 10-11=0 7-8=0/6	/6, 9-10=0/6, 8-9=0/	6,									
WEBS	2-11=-151/0, 3-10=- 5-8=-122/0	150/0, 4-9=-157/0,										
NOTES											CONT	and
 All plates a Gable regi 	are 1.5x4 MT20 unless	s otherwise indicated	1.							6	E OF	MISSO
3) Truss to be	e fully sheathed from o	one face or securely								Ø	NATH.	ANIFI
braced aga	ainst lateral movemen	t (i.e. diagonal web)								B	FC	X Y X
5) This truss Internation	is designed in accordanal Residential Code s	ance with the 2018 ections R502.11.1 a	nd							V	the	1 Hay
6) Recomme	nd 2x6 strongbacks of	n edge snaced at							/	1 W	XU UKAU	BER OVA

(b) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek* 16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Guy	1 19		DEVELOPMENT SERVICES
P210577 - Floor	F22	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
.						

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 319523 ID:gPsLcVuITd6zG9bUGSqLwJzIHTO-RfC?PsB70Hq3NSgPqnL8w3uITXbGkWrCDorw42w5f



3x12 ш



8x8 =

3x3 =

1.5x4 🛚



Scale = 1:24.7

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

Loading TCLL	(psf) 60.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.04	DEFL Vert(LL)	in 0.00	(loc) 4	l/defl >999	L/d 720	PLATES MT20	GRIP 244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	0.00	4-5	>999	720		
BOLL	0.0	Rep Stress Incr		VVB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/1PI2014	Matrix-P			-	-			weight: 23 lb	FT = 20%F, 11%E
LUMBER	RD 2x4 SP No.2(flat)											
WEBS	2x4 SP 2400F 2.0E(2x4 SP No.2(flat)	flat)										
BRACING												
TOP CHOP	RD Structural wood she 2-5-11 oc purlins, e	athing directly appli xcept end verticals.	ed or									
BOT CHOF	RD Rigid ceiling directly bracing.	applied or 10-0-0 o	ic .									
REACTION	IS (size) 3=0-6-4, 5 Max Grav 3=144 (L0	5= Mechanical C 1), 5=151 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHOP	RD 1-5=-140/0, 2-4=0/1	1, 1-2=0/0, 2-3=0/0										
BOT CHOP	RD 4-5=0/0											
WEBS	2-5=0/0											
NOTES												
1) Refer to	o girder(s) for truss to trus	ss connections.										
This tru	iss is designed in accorda	ance with the 2018										
Interna	tional Residential Code s	ections R502.11.1 a	and									
R802.1	0.2 and referenced stand	ard ANSI/TPI 1.										
3) Recom	mend 2x6 strongbacks, o	n edge, spaced at										
10-00-0	JU oc and fastened to eac	n truss with 3-10d	valla								San	alle
(U.I.3 I at their	A 3 / Halls. Strongbacks	by other means	/all5								A OF I	MISO
4) CAUTI	ON Do not erect truss ba	ckwards									750	W.OS
CAUTI	ON, Do not erect truss ba	ckwards.								6		N. W.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
300	Tuss	Truss Type		гіу		DEVELOPMENT SERVICES
P210577 - Floor	F23	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3195/24/2023 ID:jCu?MWkxstRKQdTkjnhK1vzEGdD-RfC?PsB70Hq3NSgPqnL8w3ulTXbGkWrCDone4295f



8x8 =



3x4 =





Scale = 1:27.6

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

Plate Olisets (A, T). [2.0-4-0,Euge]	-											
Loading TCLL TCDL	(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.08 0.10	DEFL Vert(LL) Vert(CT)	in 0.00 -0.03	(loc) 5 5-6	l/defl >999 >999	L/d 720 720	PLATES MT20	GRIP 244/190	
BCLL BCDL	0.0	Code	IRC2018/TPI2014	Matrix-P	0.05	Horz(CT)	0.00	4	n/a	n/a	Weight: 41 lb	FT = 20%F, 11%E	
L UMBER TOP CHORD	2x4 SP No.2(flat)												

BOT CHORD	2x4 SP 2400F 2.0E(flat)
NEBS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	4-6-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 4=0-6-4, 6= Mechanical
	Max Grav 4=275 (LC 1), 6=284 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-6=-140/0, 3-5=0/282, 1-2=0/0, 2-3=0/0,
	3-4=0/0
BOT CHORD	5-6=0/253
NEBS	2-6=-280/0. 2-5=-361/0

NOTES

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

2) 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.
Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11033		Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F24	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. 1 ue May 3185/24/29923







3x6 =

1.5x4 🛚



Scale = 1:28.9

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

	, i). [2:0 i 0,20g0],	[1.0 1 0,2490]											
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	_
TCLL	60.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	0.00	7-8	>999	720	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.06	7-8	>999	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	5	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 60 lb	FT = 20%F, 11%E	
LUMBER													
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP 2400F 2.0E((flat)											
WEBS	2x4 SP No.2(flat)												
BRACING													
TOP CHORD	Structural wood she	athing directly appli	ed or										
	6-0-0 oc purlins, ex	3-0-0 oc purlins, except end verticals.											

BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	5=0-2-14, 8= Mechanical
	Max Grav	5=395 (LC 1), 8=400 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-8=-144/	/0, 4-6=-38/0, 1-2=0/0, 2-3=-357/0,
	3-4=-357	/0, 4-5=0/0
BOT CHORD	7-8=0/493	3, 6-7=0/0
WEBS	2-8=-543	/0, 2-7=-150/0, 3-7=-373/0,

NOTES

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

4-7=0/636

2) Provide mechanical connection (by others) of truss to

bearing plate at joint(s) 5.
3) 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.

 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



101ay 24,202



						RELEASE FOR CONSTRUCTION
lob	Truss		Otv	DIV		AS NOTED FOR PLAN REVIEW
300	Truss	Truss Type	Quy	FIY		DEVELOPMENT
P210577 - Floor	F25	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
		·				

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125/24/20:23 ID:6VO1c5cpjSKB8ajYOVrt?YzIHPu-RfC?PsB70Hq3NSgPqnL8w3uITXbGK





7-8-9	7-4-10	3-8-9	2-8-9	1-8-9	
0-3-14	3-8-2	1-0-0	1-0-0	1-8-9	

Scale = 1:32.3

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

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.08 0.09 0.22	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 0.00	(loc) 8-9 8-9 6	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 72 lb	GRIP 244/190 FT = 20%F, 11%E	
												,	•
TOP CHORD	2x4 SP No.2(flat)												
BOT CHORD	2x4 SP 2400F 2.0E(flat)											
WEBS	2x4 SP No.2(flat)												
	Structural wood she	athing directly applie	d or										
	6-0-0 oc purlins, ex	cept end verticals.											
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	>										
REACTIONS	(size) 6=0-2-14, Max Grav 6=479 (LC	11= Mechanical C 1), 11=484 (LC 1)											
FORCES	(lb) - Maximum Com	pression/Maximum											
	Tension												
TOP CHORD	1-11=-38/92, 5-7=-2	/0, 1-2=0/0, 2-3=-645 7/0_5-6=0/0	5/0,										
BOT CHORD	10-11=0/643, 9-10=0	0/645, 8-9=0/643,											
	7-8=0/0												
WEBS	2-10=0/38, 3-9=0/28	8, 2-11=-815/0,											
NOTES	3-0=-214/0, 4-0=-31	7/0, 5-6=0/793											
1) Unbalance	ed floor live loads have	been considered fo	r										
this design).												
Refer to gi	rder(s) for truss to trus	s connections.										an	
 Provide me 	echanical connection ((by others) of truss to)								OFI	MIG	
4) This trues	ate at joint(s) 6.	noo with the 2019									FRE	N Sein	
Internation	al Residential Code se	ance with the 2018 ections R502.11.1 ar	nd							A	N	Ne	
R802.10.2	and referenced stand	ard ANSI/TPI 1.								U	S/ NATHA	WIEL / CAN	
5) Recomme	nd 2x6 strongbacks, o	n edge, spaced at								B	I I FO	X	
10-00-00 c	oc and fastened to eac	h truss with 3-10d								81	·	152-1-8	
(0.131" X 3	3") nails. Strongbacks	to be attached to wa	alis							8/	In Il Kanson	S into a	
6) CAUTION	Do not erect truss ha	ckwards								N7	A A A A A A A A A A A A A A A A A A A	BER	
LOAD CASE	 Standard 									N	O PE-2022	042259	





						RELEASE FOR CONSTRUCTION
lob	Trues	Trues Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES
P210577 - Floor	F26	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125224/2023 ID:3nCm0T3iDdZ09ATo_PWF93zIHO?-RfC?PsB70Hq3NSgPqnL8w3uITXbqKWrCDw0222

> ہٰ 0-



			9-0-9
3-0-9	4-0-9 5-0-9	8-8-10	
3-0-9	1-0-0 1-0-0	3-8-2	0-3-14

Scale = 1:33.3

Plate Offsets (X, Y): [1:Edge,0-6-0],	[3:0-1-8,Edge], [4:0	0-1-8,Edge], [6:0-1-8,Edg	je], [8:Edge,0-0-	12], [13:Edg	ge,0-0-12]						
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.10 0.11 0.26	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.02 0.00	(loc) 10 9-10 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat)	flat)										
TOP CHORD BOT CHORD	DP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing											
REACTIONS	(size) 7=0-2-14, Max Grav 7=564 (LC	13= Mechanical C 1), 13=569 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
TOP CHORD	1-13=-560/0, 6-8=-1, 2-3=-545/0, 3-4=-97 5-6=-575/0, 6-7=0/0	/0, 1-2=-545/0, 7/0, 4-5=-575/0,										
BOT CHORD	12-13=0/0, 11-12=0/	/975, 10-11=0/977,										
WEBS	3-11=0/31, 4-10=0/3 2-12=-154/42, 1-12= 5-9=-519/0, 6-9=0/9	, 33, 3-12=-567/0, =0/715, 4-9=-446/0, 37										
NOTES												
 Unbalance this design Refer to gi Provide market 	ed floor live loads have irder(s) for truss to trus achanical connection (e been considered for as connections.	no								TE OF I	MISSO

 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.

4) 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.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		
P210577 - Floor	F27	Floor		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springhill, KS), Spring Hills, KS - 66083, Run: 8.63 S Nov 19 2022 Pr ID:YbwidhJJyHYP00rbWXtP-						9 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbGI	ue May 63185/24/21923 WrCDoily4297f



Scale = 1:31.8

Plate Offsets (X, Y):	[1:Edge,0-6-0], [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [13:Edge,0-0-12]

-		1		1								
Loading	(psf)	Spacing	1-4-0	CSI	0.11	DEFL	in 0.02	(loc)	l/defl	L/d	PLATES	GRIP
	25.0		1.00	BC	0.11	Vert(LL)	-0.02	10-11	>999	720	101120	244/190
BCU	25.0	Ren Stress Incr	VES	WB	0.14	Horz(CT)	0.04	7	>333 n/a	n/a		
BCDI	10.0	Code	IRC2018/TPI2014	Matrix-S	0.01	11012(01)	0.00	'	Π/α	Π/a	Weight [,] 97 lb	FT = 20%F 11%F
	10.0	0000		Matrix 0							Wolgin. Of 15	11 - 20/01, 11/02
LUMBER												
TOP CHO	RD 2x4 SP No.2(flat)											
BOT CHO	RD 2x4 SP 2400F 2.0E(flat)										
WEBS	2x4 SP No.2(flat)											
BRACING												
TOP CHO	RD Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHO	RD Rigid ceiling directly bracing.	applied or 10-0-0 of	с									
REACTIO	NS (size) 7=0-2-14,	13= Mechanical										
	Max Grav 7=648 (LC	C 1), 13=653 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHO	RD 1-13=-646/0, 6-8=-1,	/0, 1-2=-789/0,										
	2-3=-789/0, 3-4=-13	03/0, 4-5=-665/0,										
	5-6=-665/0, 6-7=0/0											
BOT CHO	RD 12-13=0/0, 11-12=0/	/1300, 10-11=0/1303	3,									
	9-10=0/1300, 8-9=0/	0										
WEBS	3-11=0/34, 4-10=0/3	6, 3-12=-588/0,										
	2-12=-329/0, 1-12=0)/976, 4-9=-702/0,										
	5-9=-524/0, 6-9=0/10	082										
NOTES												
1) Unbal	anced floor live loads have	been considered fo	or									The
this de	esign.										OFI	MIG
2) Refer	to girder(s) for truss to trus	s connections.								G	ALE	1155
3) Provid	le mechanical connection (by others) of truss t	0							A	T. T.	N.S.
Dearin	g plate at joint(s) 7.									4	NATHA	NIEL
4) This u	uss is designed in accorda	ance with the 2018	nd							<i>u</i> .	FO	x \ X
Dena	10.2 and referenced stand	ard ANSI/TDI 1	nu							81	M	
5) Recor	nmend 2x6 stronghacks	n edge snaced at								0 1	I T HI.	
10-00	-00 oc and fastened to eac	h truss with 3-10d								2	Mathan	JANG A
(0.131	" X 3") nails. Strongbacks	to be attached to w	alls							NZ	NON TOW	DER TEN
at the	r outer ends or restrained l	by other means.								N'	ON PE-2022	042259 / 5 8
6) CAUT	ION, Do not erect truss ba	ckwards.								V	18	188

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P210577 - Floor	F28	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S N	lov 19 2022 Print: 8.	630 S Nov 1 0-RfC2PsB7	9 2022 MiTek Industries, Inc.	ue May 3185224/2023



Scale = 1:32.5

Plate Offsets (X, Y): [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-1-8,Edge], [14:Edge,0-1-8]

Load	ling	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	-	60.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	-0.04	12	>999	720	MT20	244/190
TCD	L	25.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.06	12-13	>999	720		
BCLI	_	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	8	n/a	n/a		
BCD	L	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 109 lb	FT = 20%F, 11%E
LUM	BER												
TOP	CHORD	2x4 SP No.2(flat)											
BOT	CHORD	2x4 SP 2400F 2.0E(flat)										
WEB	S	2x4 SP No.2(flat)											
BRA	CING												
TOP	CHORD	Structural wood she	athing directly appli	ed or									
		6-0-0 oc purlins, ex	cept end verticals.										
BOT	CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REA	CTIONS	(size) 8=0-2-14, Max Grav 8=733 (LC	14= Mechanical C 1), 14=738 (LC 1)										
FOR	CES	(lb) - Maximum Com Tension	pression/Maximum										
тор	CHORD	1-14=0/106, 7-9=-1/	0, 1-2=0/0, 2-3=-138	81/0,									
		3-4=-1381/0, 4-5=-1	644/0, 5-6=-751/0,										
		6-7=-751/0, 7-8=0/0											
BOT	CHORD	13-14=0/321, 12-13=	=0/1642, 11-12=0/1	644,									
	_	10-11=0/1641, 9-10=	=0/0										
WEB	S	4-12=0/28, 5-11=0/4	12, 4-13=-436/0,										
		3-13=-362/0, 2-13=0)/1173, 2-14=-888/0	,									
		5-10=-982/0, 6-10=-521/0, 7-10=0/1223											
NOT	ES												
1) L	Jnbalance	ed floor live loads have	e been considered fo	or								000	TIL
a) r	his design). Inder(a) for truck to truck										A OF M	ALC.
2) F	Reler to gr	achenical connection ((by others) of trues t	•								BAR	N.O.Som
з) г к		echanical connection (0							6	AT	N N
4) T	This trues i	is designed in accords	ance with the 2018							B	SY NATHA	NIEL Y	
י (ד ו	nternation	al Residential Code se	ections R502 11 1 a							-	FO	X	
F	802.10.2	and referenced stand	ard ANSI/TPI 1.								ØA		
5) F	Recomme	nd 2x6 strongbacks, o	n edge, spaced at								11	ATT a	
່ 1	0-00-00 c	oc and fastened to eac	h truss with 3-10d								BLA	Many	
(0.131" X 3	3") nails. Strongbacks	to be attached to w	alls							W.	5 V WINNI	DER A
a	at their out	ter ends or restrained l	by other means.								N.	ON PE-2022	042259
6) (CAUTION,	, Do not erect truss ba	ckwards.								()	100	1.54

LOAD CASE(S) Standard







Scale = 1:31.8

Plate Offsets (X, Y): [2:0-4-0,Edge], [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-1-8,Edge]

				1								
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.16	Vert(LL)	-0.06	12-13	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.09	12-13	>999	720	-	
BCLI	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	8	n/a	n/a		
BCDI	10.0	Code	IRC2018/TPI2014	Matrix-S	0.00		0.01	Ũ	, ci		Weight [.] 121 lb	FT = 20%F 11%F
		0000									110.9.10	20,00,10,02
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD	2x4 SP 2400F 2.0E(flat)										
WEBS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD Structural wood sheathing directly applied or												
	6-0-0 oc purlins, exe	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	;									
	bracing.											
REACTIONS	(size) 8=0-2-14,	14= Mechanical										
	Max Grav 8=817 (LC	C 1), 14=822 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-14=-104/0, 7-9=0/	1, 1-2=0/0, 2-3=-201	2/0,									
	3-4=-2012/0, 4-5=-1	982/0, 5-6=-839/0,										
	6-7=-839/0, 7-8=0/0											
BOT CHORD	13-14=0/1030, 12-13	3=0/1981, 11-12=0/1	982,									
	10-11=0/1978, 9-10=	=0/0										
WEB5	4-12=0/18, 5-11=0/4	9, 4-13=-203/188, //1094_2_141242/0	`									
	5-10-1259/0 6-10-	Z-13=U/1084, Z-14=-1Z43/U, 6-10520/0_7-10-0/1365										
NOTEO	5-10-1253/0, 0-10-	-520/0, 7-10-0/1500										
NUIES	d floor live loode hove	been considered fo	-									
 Unbalance this design 	ed noor live loads have	been considered to	ſ								000	TO
2) Refer to gi	i. irder(e) for trues to true	e connections									S OF M	Alson
2) Reletiogr	echanical connection ((by others) of trues to	`								9 TH	-050.0
bearing nl	ate at ioint(s) 8)							6	187	N N
 This truss 	is designed in accorda	ance with the 2018								B	sy NATHA	NIEL YE YA
Internation	al Residential Code se	ections R502.11.1 ar	nd							R	J FOI	
R802.10.2	and referenced stand	ard ANSI/TPI 1.							70	Lif-		
5) Recomme	nd 2x6 strongbacks, o	n edge, spaced at							8	1 the		
10-00-00 c	oc and fastened to eac							X.	a/Mani	the JIMA		
(0.131" X 3	3") nails. Strongbacks	to be attached to wa	alls							MB	y 7 your	EK A
at their out	ter ends or restrained l	by other means.								N.	OX PE-20220	142259 1814
6) CAUTION	, Do not erect truss ba	ckwards.								V	The last	158
LOAD CASE(S) Standard									N'S'SIG	ENUS	
•											WNA NA	L



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							RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - Floor	F30	Floor		1	1	Job Reference (optional	158527967 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,		Run: 8.63 S Nov 19 ID:Kx?00t1K3P_1b4	2022 Print: 8. sxTQQEzDzII	.630 S Nov 1 HLT-RfC?Ps	9 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbG	ue May @185224/2923 WrCDoil 94258
C	0-11-9 2-6-0 3x12 ⊪	_		2.	-0-0	0-9	1-10
	10x10 =	8x8 =	Зх12 и	8x8 =		3x12 8x8 =	n
0 9 		* 3	14	-5, 	12	2 11	
	3x3 = 4x8 = 1.5x4 =		3x6 =	1.5x4 🛛	1.5	5x8 =	1.5x4 II
		<u>9-1-1</u> 9-1-1		10-1-1	11-1-1	<u>14-9-2</u> 3-8-2	15-1-1

Scale = 1:33.9

Plate Offsets (2	X, Y): [1:Edge,0-6-0],	[1:0-1-8,0-1-0], [3:0	-4-0,Edge], [5:0-1-8,Edg	je], [6:0-1-8,Edge], [8:0-1-8,	Edge]						
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.23 0.28 0.44	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.14 0.01	(loc) 13-14 13-14 9	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 141 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	flat) athing directly applie cept end verticals. applied or 10-0-0 or	ed or c									
REACTIONS	(size) 9=0-2-14, Max Grav 9=943 (LC	16=0-6-0 C 1), 16=948 (LC 1)										
FORCES	CES (lb) - Maximum Compression/Maximum Tension CHORD 1-16=-961/0, 8-10=0/3, 1-2=-942/0, 2-3=-942/0, 3-4=-2943/0, 4-5=-2943/0,											
BOT CHORD WEBS	15-16=0/0, 14-15=0/ 12-13=0/2485, 11-12 5-13=-3/14, 6-12=0/ 4-14=-556/0, 3-14=0 2-15=-375/0, 1-15=0 7-11=-517/0 8-11=0	/2096, 13-14=0/248! 2=0/2481, 10-11=0/(57, 5-14=-31/637, //933, 3-15=-1272/0 //1354, 6-11=-1671//	5,)) 0,									
NOTES 1) Unbalance this design 2) Provide me bearing pla 3) This truss Internation R802.10.2 4) Recommen 10-00-00 c (0.131" X 3 at their out 5) CAUTION, LOAD CASE(S	ad floor live loads have ad floor live loads have action (at at joint(s) 9. is designed in accorda al Residential Code st and referenced stand nd 2x6 strongbacks, o bc and fastened to eac at in als. Strongbacks ter ends or restrained I , Do not erect truss ba S) Standard	been considered for (by others) of truss t ance with the 2018 ections R502.11.1 a ard ANSI/TPI 1. n edge, spaced at th truss with 3-10d to be attached to w by other means. ckwards.						•		PE-20220	AISSOLD NIEL 042259	

May 24,2023

DRE USE. ant, not s overall ent bracing Building Component 16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - Floor	F31	Floor	1	1	Job Reference (optional	158527968 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Ru ID:	n: 8.63 S Nov 19 2022 Prir LVzs4_w6bRbVGaiXvyJz3	nt: 8.630 S Nov 1zIHPU-RfC?Ps	19 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbGk	ue May 0185224/2923 WrCDoi794292
	1-4-12					
· · · · · · · · · · · · · · · · · · ·	0-1-8		2 и 8x8=	2-0-0	0-9- 	-10
0-9-1		3 4 0 14	5.			
	3x3 = 4x8 =	Зх	6 = 1.5x4	n 1	.5x4 II 5x8 =	1.5x4 и
		9-6-4 9-6-4	1(1	0-6-4 11-6-4 -0-0 1-0-0	15-2-6 3-8-2	15-6-4

Scale = 1:35.3

Plate Offsets ((X, Y): [1:Edge,0-6-0],	[1:0-1-8,0-0-12], [3:	0-4-0,Edge], [5:0-1-8,Ed	lge], [6:0-1-8,Edge	e], [8:0-1-8	3,Edge]						
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.25 0.30 0.46	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.16 0.01	(loc) 13-14 13-14 9	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 145 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she: 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 9=0-2-14, Max Grav 9=970 (LC (lb) - Maximum Com Tension 1-16=-978/0, 8-10=0 2-3=-1238/0, 3-4=-3 5-6=-2596/0, 6-7=-9 15-16=0/0, 14-15=0/ 12-13=-0/2596, 11-12 5-13=-5/13, 6-12=0/2 4-14=-577/0, 3-14=0 2-15=-356/0, 1-15=0	flat) athing directly applie cept end verticals. applied or 10-0-0 or 16=0-2-8 C 1), 16=975 (LC 1) pression/Maximum)/3, 1-2=-1238/0, 147/0, 4-5=-3147/0, 96/0, 7-8=-996/0, 8 /2345, 13-14=0/259 2=0/2592, 10-11=0/(59, 5-14=0/735,)/884, 3-15=-1219/0 /1547, 6-11=-1762/	9=0/0 5, 0,									
 2-13=3500, 1-13=0/1547, 0-11=-1702/0, 7-11=-517/0, 8-11=0/1622 NOTES 1) Unbalanced floor live loads have been considered for this design. 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 16, 9. 3) 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. 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards. LOAD CASE(S) Standard 											PE-20220	AISSOLUTE NIEL BER 042259

May 24,2023



8-5-12	10-5-12 9-5-12	14-1-14	14-5-12
8-5-12	1-0-0 1-0-0	3-8-2	0-3-14

Scale = 1:35.3

Plate Offsets (X, Y): [1:Edge,0-6-0], [1:0-1-8,0-0-12], [3:0-4-0,Edge], [5:0-1-8,Edge], [6:0-1-8,Edge], [8:0-1-8,Edge]												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.21	Vert(LL)	-0.08	13-14	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.12	13-14	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 136 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 9=0-2-14, 16=0-6-0
	Max Grav 9=904 (LC 1), 16=909 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-16=-901/0, 8-10=0/2, 1-2=-1345/0,
	2-3=-1345/0, 3-4=-2703/0, 4-5=-2703/0,
	5-6=-2318/0, 6-7=-931/0, 7-8=-931/0, 8-9=0/0
BOT CHORD	15-16=0/0, 14-15=0/2127, 13-14=0/2318,
	12-13=0/2318, 11-12=0/2314, 10-11=0/0
WEBS	5-13=-4/13, 6-12=0/54, 5-14=-36/572,
	4-14=-520/0, 3-14=0/664, 3-15=-903/0,
	2-15=-278/0, 1-15=0/1553, 6-11=-1528/0,
	7-11=-522/0. 8-11=0/1515

NOTES

- Unbalanced floor live loads have been considered for 1) this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
- This truss is designed in accordance with the 2018 3) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P210577 - Floor	F33	Floor	1	1	Job Reference (optional	I58527970 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 : ID:5UU1hc7LBs vYI	2022 Print: 8.	.630 S Nov 1	9 2022 MiTek Industries, Inc. 0Ha3NSaPanL8w3uITXbGKV	ue May 3185/24/29:23



Scale = 1:34.8

Plate Offecte (X V)	[1.0_1_8_0_3_0] [2.0_4_0 Edge]	[1:0-1-8 Edge] [5:0-1-8 Edge] [7:0-1-8 Edge]
	[1.0-1-0,0-3-0], [2.0-4-0,Luge]	, [4.0-1-0,Luge], [0.0-1-0,Luge], [7.0-1-0,Luge]

												_	
Loading	(ps		Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.		Plate Grip DOL	1.00	TC	0.16	Vert(LL)	-0.06	12-13	>999	720	MT20	244/190
TCDL	25.		Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.09	12-13	>999	720		
BCLL	0.) F	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.) (Code	IRC2018/TPI2014	Matrix-S							Weight: 122 lb	FT = 20%F, 11%E
LUMBER													
TOP CHORD	2x4 SP No.2(flat												
BOT CHORD	2x4 SP 2400F 2	0E(fla	it)										
WEBS	2x4 SP No.2(flat												
OTHERS	2x4 SP No.2(flat												
BRACING													
TOP CHORD	Structural wood	sheath	hing directly applied	d or									
	6-0-0 oc purlins,	exce	pt end verticals.										
BOT CHORD	Rigid ceiling dire bracing.	ctly ap	pplied or 10-0-0 oc										
REACTIONS	(size) 8=0-2	14, 14	4=0-6-0										
	Max Grav 8=820	(LC 1	1), 14=825 (LC 1)										
FORCES	(lb) - Maximum (Compr	ession/Maximum										
	Tension												
TOP CHORD	1-14=-108/0, 7-9	=0/2,	1-2=0/0, 2-3=-2031	1/0,									
	3-4=-2031/0, 4-5	=-199	2/0, 5-6=-841/0,										
	6-7=-841/0, 7-8=	0/0											
BOT CHORD	13-14=0/1050, 1	2-13=	0/1992, 11-12=0/19	992,									
	10-11=0/1989, 9	-10=0/	/0										
WEB2	4-12=0/18, 5-11	=0/50,	4-13=-258/198,										
	5-10=-1267/0 6	3=+43//0, 2-13=0/1004, 2-14=+1238/0, D=-1267(0, 6-10=-520/0, 7-10=0/1360											
NOTES	3-10-1207/0, 0-10-320/0, 7-10-0/1303												
1) Unholonoo	d floor live loads k	avo b	oon considered for									000	m
this design	a noor nye ioaus r i.	ave b	een considered for									FOF M	AISO
2) Provide me	echanical connect	on (bv	others) of truss to								1	750	~00 M
bearing pla	ate at joint(s) 8.	. (.)	,								A	NATURA NATURA	May 1
3) This truss	is designed in acc	ordand	ce with the 2018								4	S/ NATHA	NIEL / Y
Internation	al Residential Cod	e sect	tions R502.11.1 an	d							H.		
R802.10.2								4/					
4) Recomme	nd 2x6 strongback	edge, spaced at								V 7		H A	
10-00-00 c	c and fastened to	each t	truss with 3-10d								K to	MMM	BER // ARD
(0.131" X 3	3") nails. Strongba	cks to	be attached to wa	IIIS							N7	DE 20220	12250 188
at their out	er ends or restrair	ed by	otner means.								N	FE-20220	26237 288
5) CAUTION,	, Do not erect trus	Dack	wards.								Y	100	IN B
LOAD CASE(S	5) Standard											STONIA	TENA
												ANA	L'A





						RELEASE FOR CONSTRUCTION
leb	Truce		Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES
P210577 - Floor	F34	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224/2 310: Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 224 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 244 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 244 AI (Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125 244 AI (Print: 8.630 S Nov 19 2024 AI (Print: 8.630 S Nov 19 204 AI (Pr



Scale = 1:38.8

Plate Offsets (X, Y): [1:0-1-8,0-3-0], [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.13 0.18 0.35	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.06 0.01	(loc) 12 12-13 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 111 lb	GRIP 244/190 FT = 20%F, 11%	ε
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) 2x4 SP 2400F 2.0E(f 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood shee	ilat) athing directly applie	ed or										
BOT CHORD	6-0-0 oc purlins, except end verticals. Constrained a second sec												
REACTIONS (size) 8=0-2-14, 14=0-6-0 Max Gray, 8=735 (I, C, 1), 14=740 (I, C, 1)													
FORCES	(b) - Maximum Compression/Maximum												
TOP CHORD	2 1-14=0/109, 7-9=-1/0, 1-2=0/0, 2-3=-1399/0, 3-4=-1399/0, 4-5=-1654/0, 5-6=-754/0, 0.7 - 75-40-7.9 - 0/0												
BOT CHORD	2D 13-14=0/351, 12-13=0/1652, 11-12=0/1654, 10-11=0/1651_9-10=0/0												
WEBS	4-12=0/28, 5-11=0/4 3-13=-359/0, 2-13=0 5-10=-990/0, 6-10=-5	3, 4-13=-431/0, /1160, 2-14=-904/0, 521/0, 7-10=0/1227											
NOTES													
 Unbalanced floor live loads have been considered for this design 											OF N	AISe	
 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8. 							No Solo						
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and							FO		P				
 R802.10.2 Recommendation 10-00-00 c (0.131" X 3 at their out CAUTION, 	 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. CAUTION. Do not erect truss backwards. 									0			
LOAD CASE(S) Standard								L ENGIE					



May 24,2023
						RELEASE FOR CONSTRUCTION
leb	Trues		Otv	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Thuss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F35	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
L						

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125224/2823 ID:koCaCiGtMYVC_9OnednwnRzIHL9-RfC?PsB70Hq3NSgPqnL8w3uITXbC WrCDore 4.507124/283



4-5-12	5-5-12 6-5-12	10-1-14	10-5-12
4-5-12	1-0-0 1-0-0	3-8-2	0-3-14

Scale = 1:34.6

Plate Offsets (X V)	[1.Edge 0.6.0] [1.0.1.8 0.0.12] [3.0.1.8 Edge] [4.0.1.8	Edgel [6:0-1-8 Edgel
	[1.Luge,0-0-0], [1.0-1-0,0-0-12], [3.0-1-0,Luge], [4.0-1-0,1	

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.11 0.14 0.31	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.02 -0.04 0.00	(loc) 10-11 10-11 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 98 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	 2x4 SP No.2(flat) 2x4 SP 2400F 2.0Et 2x4 SP No.2(flat) 2x4 SP No.2(flat) 	(flat)										
TOP CHORD	 Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 	eathing directly applie cept end verticals. applied or 10-0-0 oc	d or									
REACTIONS	(size) 7=0-2-14	, 13=0-6-0										
FORCES	(lb) - Maximum Con	pression/Maximum										
TOP CHORD	Tension 1-13=-648/0, 6-8=-1 2-3=-806/0, 3-4=-13	/0, 1-2=-806/0, 13/0, 4-5=-667/0,										
BOT CHORD WEBS	5-6=-66//0, 6-7=0/0 12-13=0/0, 11-12=0 9-10=0/1310, 8-9=0 3-11=0/34, 4-10=0/3 2-12=-330/0, 1-12=(5-9=-524/0, 6-9=0/1	/1311, 10-11=0/1313 /0 36, 3-12=-584/0, 0/990, 4-9=-710/0, 086	,									
NOTES	,											m
1) Unbalance	ced floor live loads have	been considered fo	r								OF I	MISSIN
 Provide n bearing p 	nechanical connection late at joint(s) 7.	(by others) of truss to)							A	TATE	A SOLON
 This truss Internatio R802.10. Recomm 10-00-00 (0.131" X at their ou CAUTION 	s is designed in accord onal Residential Code s 2 and referenced stance end 2x6 strongbacks, c oc and fastened to ear 3") nails. Strongbacks uter ends or restrained V. Do not erect truss ba	ance with the 2018 ections R502.11.1 ar lard ANSI/TPI 1. on edge, spaced at ch truss with 3-10d s to be attached to wa by other means. ickwards.	nd alls								PE-2022	BER 042259

LOAD CASE(S) Standard





				RELEASE FOR CONSTRUCTION
Job Trues				AS NOTED FOR PLAN REVIEW
11033	Truss Type	Caty 1 ly		DEVELOPMENT SERVICES
P210577 - Floor F36	Floor	1 1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125/24/20:23 ID:ZyZrTILdxOFLi4rw_uuK1izIHL3-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWcDoi7J42wC



3-1-12	4-1-12 5-1-12	8-9-14	9-1-12
3-1-12	1-0-0 1-0-0	3-8-2	0-3-14

Scale = 1:34.2

Plate Offsets (X, Y): [1:Edge,0-6-0], [1:0-1-8,0-0-12], [3:0-1-8,Edge], [4:0-1-8,Edge], [6:0-1-8,Edge], [8:Edge,0-0-12]											
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES
TCLL	60.0	Plate Grip DOL	1.00	тс	0.10	Vert(LL)	-0.02	10	>999	720	MT20
TCDL	25.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	9-10	>999	720	
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.00	7	n/a	n/a	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 87 lb

FOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
VEBS	2x4 SP No.2(flat)
DTHERS	2x4 SP No.2(flat)
BRACING	
OP CHORD	Structural wood sheathing directly applied
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 7=0-2-14, 13=0-6-0
	Max Grav 7=566 (LC 1), 13=571 (LC 1)
ORCES	(lb) - Maximum Compression/Maximum
	Tension
FOP CHORD	1-13=-562/0, 6-8=-1/0, 1-2=-564/0,
	2-3=-564/0, 3-4=-987/0, 4-5=-578/0,
	5-6=-578/0, 6-7=0/0
BOT CHORD	12-13=0/0, 11-12=0/985, 10-11=0/987,
	9-10=0/985, 8-9=0/0
VEBS	3-11=0/31, 4-10=0/33, 3-12=-560/0,
	2-12=-157/42, 1-12=0/729, 4-9=-453/0,
	5-9=-519/0, 6-9=0/941

or

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- Provide mechanical connection (by others) of truss to 2) bearing plate at joint(s) 7.
- This truss is designed in accordance with the 2018 3) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



GRIP

244/190

FT = 20%F, 11%E





						RELEASE FOR CONSTRUCTION
leb	Trues	Trues Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
365	11033	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F37	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Tue May 3185224/2023 ID:hjNBm0iStc15Jh8hlBRNF1zIHKb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKv rCDoi7J420







Scale = 1:35.3

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

Loading TCLL TCDL		(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.06	DEFL Vert(LL) Vert(CT)	in 0.00 -0.01	(loc) 11 8-9 7	l/defl >999 >999	L/d 720 720	PLATES MT20	GRIP 244/190
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-P	0.03	11012(C1)	0.00	1	n/a	n/a	Weight: 74 lb	FT = 20%F, 11%E
LUMBER TOP CHOR BOT CHOR WEBS OTHERS BRACING TOP CHOR BOT CHOR	D 2x4 SP N D 2x4 SP 2 2x4 SP N 2x4 SP N 2x4 SP N D Structural 6-0-0 oc p	0.2(flat) 400F 2.0E(f 0.2(flat) 0.2(flat) wood sheat purlins, exc ng directly	ilat) athing directly applie æpt end verticals. applied or 10-0-0 oc	d or									
REACTION	bracing. S (size) Max Grav	7=0-2-14, 12=0-6-0 7=217 (LC	9=1-2-11, 10=1-2-11	l,									
		10=123 (L	C 3), 12=265 (LC 3)										
FORCES	(lb) - Max Tension	imum Com	pression/Maximum										
TOP CHOR	D 1-12=-128 3-4=-108/	3/0, 6-8=0/2 0, 4-5=-108	228, 1-2=0/0, 2-3=-1 3/0, 5-6=0/0, 6-7=0/0	71/0,									
BOT CHOR	D 11-12=0/1 8-9=0/114	170, 10-11= 1	0/171, 9-10=0/174,										
WEBS	2-11=0/27 2-12=-213 5-8=-240/	, 3-10=-12 3/0, 3-9=-22 0	1/0, 4-9=-192/27, 25/0, 5-9=-103/69,										
NOTES												Same	alle
1) Unbala this des	nced floor live	loads have	been considered for									TEOFI	MISSO
2) Provide	mechanical c	onnection (by others) of truss to								A	NATHA	NIEL
3) This tru Internat R802.1	b) 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.												
4) Recom 10-00-0 (0.131"	4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls Image: Comparison of the strong backs of the strong back of the strong back of the strong backs of the strong back of the stro									042259			
at their 5) CAUTIO	Outer ends or DN, Do not ere	ct truss ba	by other means. ckwards.								Y	SSI CIT	ENGL

LOAD CASE(S) Standard



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qtv	Plv		AS NOTED FOR PLAN REVIEW
000	11000		Cety Thy			DEVELOPMENT SERVICES 158527975
P210577 - Floor	F38	Floor Supported Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 2	2022 Print: 8	.630 S Nov 1	9 2022 MiTek Industries, Inc.	
		ID:VtkS13nDTSoE1ct	or5SYnUIzIH	IKV-RfC?PsE	370Hq3NSgPqnL8w3uITXbGK	
		()-1-8			



Scale = 1:27.3

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

	x, 1): [1:Edg0,0 0 12	.], [0.0 1 0,0 0 12], [5.6 1 6,6 6 12]									
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 13 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	LUMBER TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP 2400F 2.0E(flat) WEBS 2x4 SP No.2(flat) OTHERS 2x4 SP No.2(flat) DTHERS 2x4 SP No.2(flat)											
TOP CHORD	HORD Structural wood sheathing directly applied or 1-7-13 oc purlins, except end verticals.											
BOT CHORD	OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS (size) 3=1-7-13, 4=1-7-13												

	Max Grav 3=85 (LC 1), 4=78 (LC 1)
FORCES	(lb) - Maximum Compression/Maximun
	Tension
TOP CHORD	1-4=-68/0, 2-3=-77/0, 1-2=-13/0
BOT CHORD	3-4=0/13

NOTES

1) N/A

2) Gable requires continuous bottom chord bearing.

3) Truss to be fully sheathed from one face or securely

braced against lateral movement (i.e. diagonal web). 4) Gable studs spaced at 1-4-0 oc.

5) 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.

6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
lab	Trucc		Otv	DIV		AS NOTED FOR PLAN REVIEW
300	11055	Truss Type	Quy	FIY		DEVELOPMENT SERVICES
P210577 - Floor	F39	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill. KS). Spring Hills. KS - 66083.	Run: 8.63 S Nov 19	2022 Print: 8	3.630 S Nov 1	9 2022 MiTek Industries, Inc.	

ng Supply (Springhill, KS), Spring

ID:IMSPltNdvn1_aRkindF45IzIGXN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWCDoi7J420724/2023





1.5x4 🛚

1.5x4 = 3x6 =



Scale = 1:32.3

Plate Offsets (X, Y): [1:0-1-8.0-3-0], [2:0-1-8.Edge]

	.,,,), [,,,,,,,,,,,,,,,,,,,,,,,,,,,,	[
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.01	Vert(LL)	0.00	4	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	0.00	4-5	>999	720		
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: 22 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	MBER P CHORD 2x4 SP 2400F 2.0E(flat) T CHORD 2x4 SP 2400F 2.0E(flat) IBS 2x4 SP No.2(flat) HERS 2x4 SP No.2(flat)											
TOP CHORD	Structural wood sheathing directly applied or 2-2-14 oc purlins, except and verticals											
BOT CHORD	RD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS	'IONS (size) 3=0-2-14, 5=0-6-0											

	Max Grav 3=129 (LC 1), 5=133 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-5=-122/0, 2-4=0/12, 1-2=0/0, 2-3=0/0
BOT CHORD	4-5=0/0
WEBS	2-5=0/0

NOTES

Provide mechanical connection (by others) of truss to 1) bearing plate at joint(s) 3.

This truss is designed in accordance with the 2018 2) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





									RELEAS		UCTION
Job	Truss		Truss Type		Qty	Ply			AS NOT	ED FOR PLAN R	
P210577 - Floor	F40		Floor Supported Ga	able	1	1	Job Refere	nce (ontiona	LEE'S	158527977 SUMMIT, MISS(OURI
Premier Building Supply (Sp	inghill, KS),	Spring Hills, KS - 66083,	ļ	Run: 8.63 S Nov 19	2022 Print: 8.	630 S Nov 1	9 2022 MiTek	Industries, Inc.	ue May 231 252	24/26	123
				ID:IVCluC5CPRN9?f	hGYTHk4Gzl	H3J-RfC?Ps	B70Hq3NSgP	qnL8w3uITXbG	(WrCDoi) 3423C?f		<u></u>
$\begin{array}{c} 333 \\ 9 \\ 1 \\ 9 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$								1-6-0			
Scale = 1:33.7											
Plate Offsets (X, Y): [33	0-1-8,0-0-	12]									
Loading TCLL TCDL BCLL	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI TC C BC C WB C	0.04 Vert(0.01 Vert(0.02 Horiz	- LL) r TL) r (TL) 0.	in (loc) n/a - n/a - 00 17	l/defl L/d n/a 999 n/a 999 n/a n/a	PLATES MT20	GRIP 244/190	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-R					Weight: 85 lb	FT = 20%F,	11%E
LUMBER In VIES IOP CHORD 2x4 SP 2400F 2.0E(flat) 1) All plates are 1.5x4 MT20 unless otherwise indicated. BOT CHORD 2x4 SP No.2(flat) 2) Gable requires continuous bottom chord bearing. WEBS 2x4 SP No.2(flat) 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web). BRACING 6-0-0 co purins, except end verticals. 4) Gable studs spaced at 1-4-0 oc. BOT CHORD Rigid ceiling directly applied or to-0-0 oc bracing. 717-18-3-2, 18-18-3-2, 19-18-3-2, 20-18-3-2, 21-18-3-2, 22-18-3-2, 23-18-3-2, 24-18-3-2, 22-18-3-2, 30-18-3-2, 31-18-3-2, 32-18-3-2, 30-18-3-2, 31-18-3-2, 32-18-3											

(lb) - Maximum Compression/Maximum FORCES Tension TOP CHORD 1-32=-61/0, 16-17=-30/0, 1-2=-6/0, 2-3=-6/0,

3-4=-6/0, 4-5=-6/0, 5-6=-6/0, 6-7=-6/0, 7-8=-6/0, 8-9=-6/0, 9-10=-6/0, 10-11=-6/0, 11-12=-6/0, 12-14=-6/0, 14-15=-6/0, 15-16=-6/0 BOT CHORD 31-32=0/6, 30-31=0/6, 28-30=0/6, 27-28=0/6,

26-27=0/6, 25-26=0/6, 24-25=0/6, 23-24=0/6, 22-23=0/6, 21-22=0/6, 20-21=0/6, 19-20=0/6, 18-19=0/6, 17-18=0/6 WEBS 2-31=-151/0, 3-30=-152/0, 4-28=-151/0, 5-27=-151/0, 6-26=-151/0, 7-25=-151/0,

8-24=-151/0, 9-23=-151/0, 10-22=-151/0, 11-21=-151/0, 12-20=-150/0, 14-19=-157/0, 15-18=-125/0

ATE OF MISSOL NATHANIEL FOX UNMBER PE-200 PE PE-2022042259 GI

May 24,2023



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
D010577 Floor	F 44	Floor	47	1		DEVELOPMENT SERVICES 158527978
P210577 - Floor	F41	Floor	17	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		D 0000 N 101			• • • • • • • • • • • • • • • • • • •	- a a b 1 a a a a



Scale = 1:35.3

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

Loa TCL TCL	i ding _L DL	(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.25 0.42	DEFL Vert(LL) Vert(CT)	in -0.17 -0.27	(loc) 15-16 15-16	l/defl >999 >824	L/d 720 720	PLATES MT20 MT18HS	GRIP 244/190 244/190
BCI BCI	LL DL	0.0 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-S	0.51	Horz(CT)	0.06	13	n/a	n/a	Weight: 148 lb	FT = 20%F, 11%E
<u> </u>	MRFR												
TOP BO	P CHORD	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(flat) flat)										
OTH	BS HERS	2x4 SP No.2(flat) 2x4 SP No.2(flat)											
BR/ TOF	ACING P CHORD	Structural wood she	athing directly applie	ed or									
BO	T CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 oc	;									
RE/	ACTIONS	(size) 13=0-5-8, Max Grav 13=1156	20=0-2-12 (LC 1), 20=1156 (LC	: 1)									
FO	RCES	(lb) - Maximum Com Tension	pression/Maximum										
TOF	P CHORD	1-20=-1146/0, 12-13 2-4=-1273/0, 4-5=-3 6-8=-4325/0, 8-9=-3 11-12=0/0	3=-86/0, 1-2=-1273/0 320/0, 5-6=-4325/0, 040/0, 9-11=-3040/0	, ,									
11-12=1/0 BOT CHORD 19-20=0/0, 17-19=0/3320, 16-17=0/3320, 15-16=0/3320, 14-15=0/3813, 13-14=0/1414 WEBS 4-17=0/78, 5-16=-25/7, 4-19=-2267/0, 2-19=-209/173, 1-19=0/1646, 5-15=0/1240, 6-15=-672/0, 8-15=0/569, 8-14=-860/0,							- The						
NO	TES	9-14=-355/0, 11-14=	=0/1013, 11-13=-170	0/0								F OF M	AISS
1)	Unbalance this design	ed floor live loads have n.	e been considered fo	r							Å	ANTE NATUR	A SOLO
2) 3)	All plates are MT20 plates unless otherwise indicated. Provide mechanical connection (by others) of truss to bearing plate at ioint(s) 20										a.	FOZ	K K
4)	This truss i Internation R802.10.2	is designed in accordanal Residential Code s and referenced stand							N-T	attani	the Stage		
5)	Recomment 10-00-00 c (0.131" X 3 at their out	nd 2x6 strongbacks, o oc and fastened to eac 3") nails. Strongbacks ter ends or restrained							Ø	PE-20220	142259 E		



ONAL EL May 24,2023





						RELEASE FOR CONSTRUCTION
Joh	Truss	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
005	11035		Giy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F42	Floor	8	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
			-			

Run: 8.63 S Feb 9 2023 Print: 8.630 S Feb 9 2023 MiTek Industries, Inc. Wed May 438:424/20:23 ID:gRptBrQeCQZw19M9nojisIzIH0J-63FGeS4yNEmh4cEqDrZlgTt5IzojXsyXp7hAqzD90_



Plate Offsets (X, Y): [1:Edge,0-0-12], [4:0-0-4,0-9-11], [8:0-3-0,Edge], [10:0-4-0,Edge], [11:0-1-8,0-0-10], [15:0-4-8,Edge], [16:0-1-8,Edge], [19:0-1-8,0-0-12]

Scale = 1:36

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.25 0.44 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.27 0.06	(loc) 14-15 13-14 12	l/defl >999 >812 n/a	L/d 720 720 n/a	PLATES MT20 MT18HS Weight: 131 lb	GRIP 244/190 244/190 FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No 2(flat)	flat) flat)											
OTHERS BRACING TOP CHORD	2x4 SP No.2(flat) Structural wood she	athing directly applie	ed or										
BOT CHORD	6-0-0 oc purlins, exp Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc	; ;										
REACTIONS	(lb/size) 12=1156/	0-5-8, 18=1149/0-2-	12										
FORCES	(lb) - Max. Comp./Ma	ax. Ten All forces 2	250										
TOP CHORD	(ib) of less except w 2-3=-3345/0, 3-4=-3 5-6=-3345/0, 6-7=-4 8-9=-3479/0, 9-10=-	345/0, 4-5=-3395/0, 216/0, 7-8=-4216/0, 3479/0											
BOT CHORD	17-18=0/2347, 16-17 14-15=0/3345, 13-14	7=0/2347, 15-16=0/3	3345, 2024										
WEBS	4-16=-681/0, 2-18=- 9-13=-379/0, 7-14=- 8-14=0/304, 8-13=-5 10-12=-2242/0	2546/0, 2-16=0/1300 747/0, 6-14=0/1258, 576/0, 10-13=0/1619), ,										
NOTES												~	
 All plates a Provide me bearing pla This truss i Internation: R802.10.2 Recommer 10-00-00 (0.131" X 3 at their out 	are MT20 plates unless echanical connection (ate at joint(s) 18. is designed in accorda al Residential Code su and referenced stand nd 2x6 strongbacks, o cc and fastened to eac m' nails. Strongbacks er ends or restrained l	s otherwise indicated (by others) of truss to ance with the 2018 ections R502.11.1 at lard ANSI/TPI 1. In edge, spaced at th truss with 3-10d is to be attached to wa by other means.	d. o nd alls								NATHA PE-20220	MISSOLA NIEL MED M2259	
LOAD CASE(S	S) Standard										SSIONA	L ENGI	



100 May 24,2023

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	/ Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - Floor	F43	Floor	14	1	Job Reference (optional	158527980 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083		Run: 8.63 S Nov 19 2022	Print: 8.630 S Nov 1	9 2022 MiTek Industries, Inc.	ue May (3) (35/28) 4/2 (9) 23
7x8 = $1.5x4 =$ 21 $3x3 =$	$\begin{array}{c c} -1 \\ 2-6-0 \\ 6x6 \\ 3x10 \\ 3x6 \\ FP \\ 2 \\ 2 \\ 20 \\ 19 \\ 18 \\ 4x8 \\ 4x8 \\ 1.5 \\ MT18 \\ HS 3x10 \\ FP \\ 4-4-1 \\ 4.4 \\ 1.4 \\ 4x8 \\ 5x10 \\ FP \\ 4-4-1 \\ 5x10 \\ FP \\ FP$	2-0-0 6x6 = 5 17 4 II 1.5x4 II 5-4-1 6-4-1	3x6 FP 3x10 II 6 7 16 3x8 =	6x6 =	3x6 FP $3x10 \mu$ 9 10 15 3x12 =	$\begin{array}{c} 0 -10 - 6 \\ \hline 1 -3 - 15 \\ 8x8 = \\ 7x8 = \\ 7x8 = \\ 7x8 = \\ 11 \\ 22 \\ 14 \\ 13 \\ 4x8 = \\ 19.04 \\ 12 \\ \end{array}$
	4-4-1	1-0-0 ' 1-0-0 '		11-3-5		0-10-6
Scale = 1:35.6 Plate Offsets (X, Y): [1:Edg	e,0-4-8], [1:0-1-8,0-0-8], [4:0	-1-8,Edge], [5:0-1-8,Edge	e], [8:0-3-0,Edge], [11:0-4-0),Edge], [12:0-3-8	,Edge]	
Loading TCLL TCDL BCLL BCDL	(psf) Spacing 60.0 Plate Grip DOL 25.0 Lumber DOL 0.0 Rep Stress Incr 10.0 Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC 0.25 BC 0.42 WB 0.50 Matrix-S	DEFL Vert(LL) -0. Vert(CT) -0 Horz(CT) 0	in (loc) l/defl L/d 17 16-17 >999 720 26 15-16 >832 720 03 22 n/a n/a	PLATES GRIP MT20 244/190 MT18HS 244/190 Weight: 146 lb FT = 20%F, 11%E
LUMBER TOP CHORD 2x4 SP 240 BOT CHORD 2x4 SP 240 WEBS 2x4 SP No.: OTHERS 2x4 SP No.: BRACING TOP CHORD Structural w 6-0-0 oc pu BOT CHORD Rigid ceiling bracing. REACTIONS (size) 2 Max Grav 2 FORCES (lb) - Maxim Tension TOP CHORD 1-21=-1141 4-5=-3298/(8-9=-2973/(12-22=-114 BOT CHORD 20-21=0/0, 16-17=0/32 13-14=0/0 WEBS 4-18=0/78, 2-20=-211/(6-16=-667/(9-15=-353/(12-14=0/17) NOTES 1) Unbalanced floor live lo this design. 2) All plates are MT20 plat 3) Bearing at joint(s) 22 co using ANSI/TPI 1 angle designer should verify c 4) Provide mechanical cor bearing plate at joint(s) 5) This truss is designed ir International Residentia R802.10.2 and reference	0F 2.0E(flat) 0F 2.0E(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat) 2(flat)	 6) Recommend 10-00-00 oc : (0.131" X 3") at their outer 7) CAUTION, D LOAD CASE(S) ed or ed or 51) 9/0, 3, 383, 20, 7/0, r d. e o nd 	2x6 strongbacks, on edge and fastened to each truss nails. Strongbacks to be ends or restrained by othe to not erect truss backward Standard	, spaced at s with 3-10d attached to walls er means. is.		STATE OF MISSOURIES NATHANIEL FOX PE-2022042259 FE-SSIONAL ENGINE May 24,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Guy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F43A	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
	00/01/0000					

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Tue May 3185224/20:23



4-4-1	5-4-1	6-4-1	10-8-0
4-4-1	1-0-0	1-0-0	4-3-15

Scale = 1:33.3

Plate Offsets (X, Y): [6:0-1-8,Edge], [13:0-1-8,0-0-12], [14:0-1-8,0-0-12]

Loading TCLL TCDL BCLL	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI TC BC WB	0.18 0.24 0.25	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.06 -0.07 0.01	(loc) 10-11 10-11 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 59 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat) flat)										
BRACING												
TOP CHORD	Structural wood she	athing directly applie	d or									
BOT CHORD	6-0-0 oc purlins, exc Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc										
REACTIONS	(size) 7=0-2-12,	12=0-2-12										
	Max Grav 7=653 (LC	C 1), 12=653 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	IORD 1-12=-647/0, 6-7=-647/0, 1-2=-669/0, 2-3=-669/0, 3-4=-1236/0, 4-5=-665/0, 5-6665/0											
BOT CHORD	11-12=0/29, 10-11=0	0/1236, 9-10=0/1236	,									
WEBS	8-9=0/1236, 7-8=0/2	9 2/93_3-11=-662/0										
	2-11=-296/0, 1-11=0	/877, 4-8=-665/0,										
	5-8=-296/0, 6-8=0/8	75										
NOTES												The second second
1) Unbalance	d floor live loads have	been considered for	r								OF	ALC D
this design											FEULT	ISS OF
 Provide me bearing pla 	echanical connection (by others) of truss to)							6	AN'	NSY
 This truss i 	s designed in accorda	ance with the 2018								8	SY NATHA	NIEL YE V
Internationa	al Residential Code se	ections R502.11.1 ar	nd						•	R.	I I FO	X
R802.10.2	and referenced stand	ard ANSI/TPI 1.								Y/	Loff ~	
 Recommer 	nd 2x6 strongbacks, o	n edge, spaced at								XI.	Kana	al stan
(0.131" X 3	c and fastened to eac	to be attached to wa	alls							MS	Y Y UKOM	BER

at their outer ends or restrained by other means.

LOAD CASE(S) Standard





					RELEASE FOR CONSTRUCTION
Job Truss		Otv	DIV		AS NOTED FOR PLAN REVIEW
305 11033	Truss Type	Giy	L' 'Y		DEVELOPMENT SERVICES
P210577 - Floor F44	Floor	4	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
·					

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125224/2023 ID:am0E5LMxnhhpAHXXT9hQ5PzIH4G-RfC?PsB70Hq3NSgPqnL8w3uITXbsKWrCDbrJ2022



<u>5-0-0</u> 5-0-0

Scale = 1:28.1

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,0-0-12], [7:0-1-8,0-0-12]

1-6-0

	ate Olisets (X, T). [1.Luge,0-0-12], [0.0-1-0,0-0-12], [7.0-1-0,0-0-12]													
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL	60.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190		
TCDL	25.0	Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.08	4-5	>735	720				
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a				
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 29 lb	FT = 20%F, 11%E		
LUMBER														

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	5-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 4=0-2-12, 5=0-5-8
	Max Grav 4=294 (LC 1), 5=294 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-5=-116/0, 3-4=-80/0, 1-2=-5/0, 2-3=-4/0
BOT CHORD	4-5=0/285
WEBS	2-5=-316/0. 2-4=-335/0

NOTES

- 1) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 2) 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.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P210577 - Floor	F45	Floor	5	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 ID:xGt_GgqPbgcHM	2022 Print: G?1FrtaBdz	8.630 S Nov 1 IH3f-RfC?PsB	9 2022 MiTek Industries, Inc. 70Hq3NSgPqnL8w3uITXbGK	ue May 0185/24/2023 VrCD0i75-2361
		2-6-0			0-1-8 	
		0-1-8 		0-10-8	3	
		1.5x4 u			1.5x4 =	
		1.5x4 = 3x3 =			3x3 =	
				1.5x4 u		
	1-6-0	7		3		



3x3 =

3x6 =

3x6 =

Scale = 1:29.7

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

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	0.00	6-7	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.06	6-7	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 38 lb	FT = 20%F, 11%E

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 5=0-2-12, 7=0-5-8
	Max Grav 5=389 (LC 1), 7=389 (LC 1)
FORCES	(Ib) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-7=-114/0, 4-5=-415/0, 1-2=-5/0, 2-3=-308/0,
	3-4=-308/0
BOT CHORD	6-7=0/477, 5-6=0/19
WEBS	2-7=-532/0, 2-6=-191/0, 3-6=-226/0,
	4-6=0/492

NOTES

- Provide mechanical connection (by others) of truss to 1) bearing plate at joint(s) 5.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and 2) R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 3) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

OF MISSO E NATHANIEL PE-2. PE-SSIONAL EN PE-2022042259 G

May 24,2023





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW
P210577 - Floor	F46	Floor Supported Gable	2	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	nill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 2	2022 Print: 8	.630 S Nov 1	9 2022 MiTek Industries, Inc.	ue May 3185294/299:23



Scale = 1:29.5

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

Loading (psf) Spacing 1-4-0 CSI DEFL in (loc) I/defl L/d PLATES GRIP TCLL 60.0 Plate Grip DOL 1.00 TC 0.05 Vert(LL) n/a - n/a 999 MT20 244/190 TCDL 25.0 Lumber DOL 1.00 BC 0.01 Vert(TL) n/a - n/a 999 MT20 244/190 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 3 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Weight: 11 lb FT = 20%F, 11%E LUMBER TOP CHORD 2x4 SP 2400E 2 0E(flat) SP	
TCLL 60.0 Plate Grip DOL 1.00 TC 0.05 Vert(LL) n/a - n/a 999 MT20 244/190 TCDL 25.0 Lumber DOL 1.00 BC 0.01 Vert(TL) n/a - n/a 999 MT20 244/190 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 3 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Weight: 11 lb FT = 20%F, 11%E LUMBER TOP CHORD 2x4 SP 2400E 2 0E(flat) Second	
TCDL 25.0 Lumber DOL 1.00 BC 0.01 Vert(TL) n/a - n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 3 n/a n/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Weight: 11 lb FT = 20%F, 11%E LUMBER TOP CHORD 2x4 SP 2400E 2 0E(flat) Second	
BCLL 0.0 Rep Stress Incr YES WB 0.00 Horiz(TL) 0.00 3 n/a N/a BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Matrix-R Weight: 11 lb FT = 20%F, 11%E LUMBER TOP CHORD 2x4 SP 2400F 2 0F(flat) SP 2400F 2 0F(flat) <td></td>	
BCDL 10.0 Code IRC2018/TPI2014 Matrix-R Weight: 11 lb FT = 20%F, 11%E LUMBER TOP CHORD 2x4 SP 2400F 2 0F(flat) FT = 20%F, 11%E FT = 20%F, 11%E	
- LUMBER TOP CHORD 2x4 SP 2400F 2 0E(flat)	
TOP CHORD 2x4 SP 2400E 2 0E(flat)	
BOT CHORD 2x4 SP 2400F 2.0E(flat)	
WEBS 2x4 SP No.2(flat)	
OTHERS 2x4 SP No.2(flat)	
BRACING	
TOP CHORD Structural wood sheathing directly applied or	
1-6-0 oc purlins, except end verticals.	
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc	
bracing.	
REACTIONS (size) 3=1-6-0, 4=1-6-0	
Max Grav 3=72 (LC 1), 4=72 (LC 1)	
FORCES (Ib) - Maximum Compression/Maximum	
Tension	
TOP CHORD 1-4=-64/0, 2-3=-64/0, 1-2=-10/0	
BOT CHORD 3-4=0/10	
NOTES	
1) Gable requires continuous bottom chord bearing.	
2) Truss to be fully sheathed from one face or securely	
braced against lateral movement (i.e. diagonal web).	
3) Gable studs spaced at 1-4-0 oc.	
4) This truss is designed in accordance with the 2018	
International Residential Code sections RoU2.11.1 and	
Nov2.10.2 and references standard Ansar (PT I.	

5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



May 24,2023

16023 Swingley Ridge Rd Chesterfield, MO 63017



														RELEASE	FOR CONSTR		
Job		Truss		Т	russ Type			Qt	/	Ply				AS NOTE	D FOR PLAN	REVIEW	
P210577 - F	loor	F47		F	- loor Suppo	orted Ga	ble	1		1	Job Refere	nce (on	tional	LEE'S SUMMIT, MISSOURI			
Premier Building	Supply (Sprir	nghill, KS), S	pring Hills, KS -	66083,			Run: 8.63	S Nov 19 2022	Print: 8.63	30 S Nov 19	2022 MiTek	Industrie:	s, Inc.	ue May 231 25:25	21/20	<u>102</u>	
							ID:n1MxwF	F2?TuuNayIW6	CvGMizIG	jQ-RfC?PsE	370Hq3NSgP	qnL8w3u	ITXbG	WrCDoi70423C?f		120	
															0-1-8		
															Π		
	3x3 II												3x6 F	P			
	1	2	3	4	5	6	7	8 9		10	11	12	131	4 15	16		
	Ŷ	-		Ê	-					-	-	-	_ 				
1-6-0																1-6-0	
`	32			*****	******	*****	*******		*****	******		*****		****			
		21	2020	<u>~~~</u>	27		25										
	3x3 II	31	3029	28	21 .	20	25	24 2.	5	22	21	20	13	9 10	3x3 =		
			3x6 FP														
							1	8-11-6 8-11-6									
Scale – 1:34.8																	
Plate Offsets (2	X, Y): [33:0)-1-8,0-0-1	2]														
Loading		(nsf)	Spacing	1.	-4-0		CSI	-	DEFL		in (loc)	l/defl	l /d	PLATES	GRIP		
TCLL		60.0	Plate Grip D	OL 1	.00		TC	0.06	Vert(LL	_) n/	/a -	n/a	999	MT20	244/190		
BCLL		25.0 0.0	Rep Stress	L 1. Incr Y	.00 ES		WB	0.01	Horiz(1	_) n/ [L) 0.0	/a -)0 17	n/a n/a	999 n/a				
BCDL		10.0	Code	IF	RC2018/TPI2	2014	Matrix-R							Weight: 87 lb	FT = 20%F,	11%E	
	244 6 0 04				WEBS	2	2-31=-146/0,	3-30=-153/0,	4-28=-1	51/0, 51/0							
BOT CHORD	2x4 SP 24 2x4 SP 24	400F 2.0E(400F 2.0E(flat)			8	3-24=-151/0,	9-23=-151/0, 9-23=-151/0,	10-22=-	151/0,							
WEBS OTHERS	2x4 SP No 2x4 SP No	o.2(flat) o.2(flat)					1-21=-151/0 5-18=-167/0), 12-20=-152)	0, 14-19)=-147/0,							
	Otm		a dh i a sa shi a sa dh a	P1	NOTES	lotoo oro	1 EV4 MT20	unloss other	vice indi	aatad							
TOP CHORD	6-0-0 oc p	wood sne ourlins, ex	cept end vertic	applied of cals.	2) Gab	le require	es continuou	s bottom choi	d bearin	g.							
BOT CHORD	Rigid ceili bracing.	ng directly	applied or 10-	-0-0 oc	 Trus brac 	s to be f ed again	ully sheathed st lateral mo	d from one fac vement (i.e. c	e or sec iagonal	urely web).							
REACTIONS	(size)	17=18-11	-6, 18=18-11-	6,	4) Gab	le studs	spaced at 1-	4-0 oc.	ith the 20	, 018							
		21=18-11	-6, 20=18-11- -6, 22=18-11-	в, 6,	Inter	rnational	Residential (Code sections	R502.1	1.1 and							
		23=18-11 25=18-11	-6, 24=18-11-0 -6, 26=18-11-0	6, 6,	6) Rec	2.10.2 ar ommend	nd reference 2x6 strongb	d standard AN acks, on edge	, spaced	l. d at							
		27=18-11	-6, 28=18-11-0	6, 6	10-0 (0.1))0-00 oc 31" X 3")	and fastened nails. Stron	to each truss abacks to be	s with 3-1 attached	10d I to walls							
		32=18-11	-6	, 	at th	eir outer	ends or rest	rained by othe	er means	3.							
	Max Grav	17=83 (LC 19=164 (L	C 1), 18=187 (.C 1), 20=170	LC 1), (LC 1),	LOAD	ASE(S)	Standard	IUSS DACKWAR	15.								
		21=169 (L 23=169 (L	.C 1), 22=169 .C 1), 24=169	(LC 1), (LC 1).													
		25=169 (L	.C 1), 26=169	(LC 1),										~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~		
		30=171 (L	.C 1), 28=168 .C 1), 31=159	(LC 1), (LC 1),										OF I	MISSIN		
FORCES	(lb) - Mavi	32=76 (LC imum Com	C 1) pression/Max	imum									A	THE		0	
	Tension	0 16 17	74/0 1 0 40	/0									A	S NATHA	NIEL T	N-	
TOP CHORD	2-3=-12/0	0, 16-17=- , 3-4=-12/0	74/0, 1-2=-12/), 4-5=-12/0, 5	o, 6-6=-12/0,									The		a et	A B	
	6-7=-12/0 10-11=-12	, 7-8=-12/0 2/0, 11-12=), 8-9=-12/0, 9 -12/0. 12-14=	-10=-12/0, -12/0.	,								Ø	ATT I	1 1	ZX	
	14-15=-12	2/0, 15-16=	-12/0	/10									83	www	BER U	S V	
BUT CHURD	31-32=0/1 27-28=0/1	≥, 30-31=0 2, 26-27=0	ט וב, בא-30=0, 0/12, 25-26=0,	/12, /12,									N.	PE-2022	042259	A	
	24-25=0/1 21-22=0/1	2, 23-24=)/12, 22-23=0,)/12, 19-20=0,	/12, /12,									X	SSIGNE	I ENGL	7	
	18-19=0/1	2, 17-18=)/12											CONA	and a start		

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



May 24,2023



									RELEASE	FOR CONSTRUCTION
Job	Truss		Truss Type		Qty	Ply			AS NOTE DEVEL	D FOR PLAN REVIEW
P210577 - Floor	F48		Floor		14	1	Job Refere	ence (optiona	al LEE'S	I58527986 SUMMIT, MISSOURI
Premier Building Supply	/ (Springhill, KS), S	pring Hills, KS - 66083,		Run: 8.63 S Nov	19 2022 Print:	8.630 S Nov 1	9 2022 MiTek	Industries, Inc	. ue May 231 5 80	24/2023
1-6-0	0-4-8 8x10 = 1 20	2-6-0 3x6 FP 6x6 = 3 4	3x6 II 5	ID:c_IUukki2P4H	yi9TygRe9kzIC 3x6 μ 7	3 {	3x6 FP x6 # 3 9	6x6 = 10	0-3-14 0-1 1.55 3x8 3x6 II 11 12	-8 -8 -8 -13
	3x3 II	MT18HS 3x10 FP	3x10 =	1 5 4 4	1.5x4 u	2			14	
	6x6 =			1.3X4 II		3)	=		6x6 =	_
Scale = 1:38.4	<u> </u>	<u>8-</u> 8-	<u>6-0</u> 6-0	<u>9-6-0 10</u> <u>1</u> -0-0 1-	-6-0 0-0		<u>18-1</u> 8-5	<u>1-6</u>	3x	3=
Plate Offsets (X, Y):	[1:Edge,0-3-0],	[12:0-1-8,0-1-6]								
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014 6) CAUTION I	CSI TC BC WB Matrix-S	0.16 Ver 0.42 Ver 0.41 Hor	FL t(LL) -0. t(CT) -0. z(CT) 0.	in (loc) 16 16-17 26 16-17 06 13	l/defl L/d >999 720 >867 720 n/a n/d	d PLATES MT20 MT18HS Weight: 129 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4 BRACING TOP CHORD Stru 6-0- BOT CHORD Rigin BOT CHORD Rigin REACTIONS (size) Max (SP 2400F 2.0E(SP 2400F 2.0E(SP No.2(flat) SP No.2(flat) ctural wood shee 0 oc purlins, ex d ceiling directly ing. 13=0-5-8, Grav 13=1184 (flat) flat) athing directly applie cept end verticals. applied or 10-0-0 oc 21= Mechanical (LC 1), 21=1184 (LC	d or	Standard						
FORCES (Ib) - Ten: TOP CHORD 1-21 2-3= 6-7= 10-1 BOT CHORD 20-2 16-1 12 1	Maximum Com sion =-1228/0, 12-13 -562/0, 3-5=-36 -4163/0, 7-8=-36 1=-518/0, 11-12 (1=0/0, 18-20=0/ 7=0/4163, 15-16	pression/Maximum =-1234/0, 1-2=-562/ 22/0, 5-6=-3622/0, 602/0, 8-10=-3602/0 =-513/0 2351, 17-18=0/4163 5=0/4163, 14-15=0/2	D, 320,							
WEBS 6-17 5-18 2-20 8-15 11-1	4=0/0 2=-18/62, 7-16=- 3=-396/0, 3-18=0 9=-306/0, 1-20=0 5=-394/0, 10-15= 4=-291/0, 12-14	17/64, 6-18=-903/0, //1428, 3-20=-2010/0 //1426, 7-15=-919/0, :0/1441, 10-14=-202 :=0/1405	, 4/0,						TE OF M	MISSOL
 NOTES 1) Unbalanced floo this design. 2) All plates are MT 3) Refer to girder(s 4) This truss is des International Res R802.10.2 and r 5) Recommend 2xd 10-00-00 oc and (0.131" X 3") nai at their outer end 	r live loads have 20 plates unless) for truss to trus igned in accorda sidential Code se eferenced stand 5 strongbacks, o fastened to eac Is. Strongbacks ds or restrained I	been considered for s otherwise indicated is connections. Ince with the 2018 ections R502.11.1 ar ard ANSI/TPI 1. n edge, spaced at h truss with 3-10d to be attached to we by other means.	d Ills					X	A ANALA PE-20220 PE-20220 May	NIEL BER 042259 L ENGINE



							F	RELEASE FO	OR CONSTRUCTION
Job	Truss	Truss Type		Qty	Ply			AS NOTED	FOR PLAN REVIEW
P210577 - Floor	F49	Floor		21	1	Job Reference	e (optional	LEE'S SU	158527987 MMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 6	6083,	Run: 8.63 S Nov 1 ID:Lb66?4nenXIVb	9 2022 Print: 8.6	630 S Nov 1 so-RfC?PsE	9 2022 MiTek Indi 370Hq3NSgPqnL8	ustries, Inc. ⁻ iu w3uITXbGK Vi	e May 231 25:30 rCDoi7542.567	4/2023
	1-2-9							0-1-8	
	0-1-8						F	1-3-15	
	4x6 II	2-6-0			2-0-0			1.5x4 =	
	1.5x4 = 3x6 u	6x6 =	Зх6 ш	4x6 u		4x6 u	3x6	4x6 ။ ။	
	1 2	3	4	5		6	7	8	
1-6-0									1-6-0
	14		13	12		11	10	Ĭ	<u> </u>
	3x3 = 4x8 =		3x6 =	1.5x4 🛚		1.5x4 ॥	4x8 :	3x3 =	
		<u>9-4-1</u> 9-4-1		10-4	4-1 11-4- -0 1-0-(1)	<u>15-8-0</u> 4-3-15		

Scale = 1:34

Plate Offsets (X, Y): [[1:0-1-8,0-0-10], [5:0-3-0,Edge], [6:0-3-0,Edge], [8:0-3-0,Edge], [8:0-1-8,0-0-8]	
-------------------------	-----------------------------------------------------------------------------------	--

Loa	ding		(psf)	Spacing	1-4-0	CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
	L J		60.0 25.0	Plate Grip DOL	1.00		0.32	Vert(LL)	-0.14	12-13	>999	720	MT20	244/190
BCI			25.0	Rep Stress Incr	VES	M/B	0.42	Horz(CT)	-0.21	12-13	>0/0 n/a	120 n/a		
BCI			10.0	Code	IEC2018/TPI2014	Matrix-S	0.59	11012(01)	0.03	9	n/a	n/a	Weight: 105 lb	FT - 20%F 11%F
			10.0	Coue	IKC2010/1F12014	Watth-5							weight. 105 lb	FT = 20 /0F, TT /0E
LUI	MBER													
TO	P CHORD	2x4 SP 2400	F 2.0E(f	lat)										
BO	T CHORD	2x4 SP 2400	F 2.0E(f	lat)										
WE	BS	2x4 SP No.2	(flat)											
OTI	HERS	2x4 SP No.2	(flat)											
BR	ACING													
TO	P CHORD	Structural wo	ood shea	athing directly applied	d or									
		6-0-0 oc purl	lins, exc	ept end verticals.										
BO.	T CHORD	Rigid ceiling	directly	applied or 10-0-0 oc										
		bracing.												
RE/	ACTIONS	(size) 9=	=0-2-12,	15=0-5-8										
		Max Grav 9=	=976 (LC	: 1), 15=976 (LC 1)										
FO	RCES	(lb) - Maximu	um Com	pression/Maximum										
TO		l ension	0.0.00											
101	CHORD	1-15=-981/0,	, 8-9=-96	00/0, 1-2=-1009/0,										
		2-3=-1006/0,	67_00	911/0, 4-3=-2911/0,										
BO.		14-15-0/0 1	, 0-7 =-9: 3_14-0/	2186 12-13-0/2527										
00		11-12=0/252	7 10-11	=0/2527 9-10=0/0										
WE	BS	5-13=-98/585	5. 4-13 ≕	-501/0. 3-13=0/815.										
		3-14=-1323/0	0. 2-14=	-268/0. 1-14=0/1369										
		6-10=-1712/0	0, 7-10=	-216/141, 8-10=0/13	, 08,									
		5-12=-74/0, 6	6-11=0/1	29										
NO	TES												Con	1000
1)	Unbalance	d floor live loa	ds have	been considered for									A OF M	1IS.C.
	this design	ı.										E	750	N.O.
2)	Provide me	echanical conn	nection (I	by others) of truss to								R	NATUA.	
	bearing pla	ate at joint(s) 9										R	>/ NAIHA	
3)	This truss	is designed in	accorda	nce with the 2018								2	FO2	L. K
	Internation	al Residential	Code se	ctions R502.11.1 an	d							11 -	n 14 ····	
-	R802.10.2	and reference	a standa	ard ANSI/TPL1.								8/	X Attom	1 that
4)	Kecomme	na 2x6 strongb	acks, or	n eage, spaced at								24	Va Mande	ER / MARY
	10-00-00 C	o and lastened	u iu eaci	to be attached to wa	lle							N	PE-20220	42259 154
	at their out	er ends or rest	iyuacks trained h	to be allached to wa	110							N	The second	12 h
4)	Recomme 10-00-00 c (0.131" X 3 at their out	nd 2x6 strongb oc and fastened 3") nails. Stron ter ends or rest	backs, or d to eacl ngbacks trained b	n edge, spaced at n truss with 3-10d to be attached to wa by other means.	lls							A Street	PE-20220	A2259

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qtv	Plv		AS NOTED FOR PLAN REVIEW
			,			DEVELOPMENT SERVICES 158527988
P210577 - Floor	F50	Floor	11	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Tue May 31 55 Print ID: dLxckom41WnDcn8pR1SZ6fzIGhC-RfC?PsB70Hq3NSgPqnL8w3uITXbG WrCDon4229 f



Scale = 1:37

Plate Offsets (X, Y):	[1:Edge,0-4-8],	[2:0-4-0,Edge], [6:0	-3-0,Edge], [8:0-1-8,Edge	e], [9:0-1-8,Edg	ge], [12:0-1-8	3,Edge], [12:	0-1-8,0-0	-8], [20:	Edge,0-1	1-8]			
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	TC	0.76	Vert(LL)	-0.18	16-17	>999	720	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.44	Vert(CT)	-0.29	16-17	>782	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	13	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 152 lb	FT = 20%F, 11%E	

LUMBER	
TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 13=0-2-12, 22=0-6-0
	Max Grav 13=1178 (LC 1), 22=1182 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	20-21=0/1139, 1-21=0/1219, 12-13=-1168/0,
	1-2=-95/0, 2-5=-3295/0, 5-6=-3295/0,
	6-7=-4486/0, 7-8=-4486/0, 8-9=-3406/0,
	9-11=-1289/0, 11-12=-1289/0
BOT CHORD	18-20=0/1700, 17-18=0/4012, 16-17=0/3406,
	15-16=0/3406, 14-15=0/3406, 13-14=0/0
WEBS	8-16=-26/6, 9-15=0/80, 8-17=0/1319,
	7-17=-688/0, 6-17=0/528, 6-18=-797/0,
	5-18=-366/0, 2-18=0/1778, 2-20=-1954/0,
	9-14=-2344/0, 11-14=-204/184,
	12-14=0/1671, 1-22=-1220/0

NOTES

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

2) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.

4) 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.

5) Recommend 2x6 strongbacks, on edge, spaced at

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls

at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



2023



					RELEASE FOR CONSTRUCTION
Job Truss	Trues Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
11035	Truss Type	QUY	i iy		DEVELOPMENT SERVICES
P210577 - Floor F51	Floor	9	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3195524/29:23 ID:ZXefswPJYoSiTwi?1fv?lqzIGgN-RfC?PsB70Hq3NSgPqnL8w3uITXbGKW CDoi7J4xC79/24/29:23





Scale = 1:30

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,0-0-12], [7:0-4-8,0-0-2]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	0.00	4	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.07	4-5	>846	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 29 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2.0E(flat)										
BOT CHORD	2x4 SP 2400F 2.0E(flat)										
WEBS	2x4 SP No.2(flat)	,										
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood shea	athing directly applie	d or									
	5-1-8 oc purlins, exc	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc										
	bracing.											
REACTIONS	(size) 5=0-5-8, 8	3=0-3-8										
	Max Grav 5=295 (LC	C 1), 8=276 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
			F /0									
TOP CHORD	1-5=-116/0, 4-7=0/20	07, 3-7=0/207, 1-2=-	5/0,									
	2-5=-30/0 4-5=0/288											
WEBS	2-5=-319/0, 2-4=-30	6/0, 3-8=-315/0										
NOTES												
1) Bearing at	i joint(s) 8 considers pa	arallel to grain value										
using ANS	SI/TPI 1 angle to grain t	formula. Building										
designer s	should verify capacity o	f bearing surface.										
This truss	is designed in accorda	ance with the 2018										The
Internation	nal Residential Code se	ections R502.11.1 ar	nd								OFA	ALC D
R802.10.2	and referenced stand	ard ANSI/TPI 1.									FIE	NOSCIE
 Kecomme 	na 2x6 strongbacks, o	n eage, spaced at								6	AT	NON
10-00-00 (2") pails Strongbacks	to be attached to w								B	SY NATHA	NIEL YZY
(U.ISI A at their ou	ter ends or restrained l	to be allached to Wa	6115							A	A I POL	x Y
	ici chus or resuldirieu i									'm	1 /iL	

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard







		12-3-10	
10-3-10	11-3-10		16-7-9
10-3-10	1-0-0	1-0-0	4-3-15

Scale = 1:35.3

Diata Offensia (V. V).		
Plate Uliseis (A. T)	- 11'0-1-8 0-0-81 16'0-3-0 E00et 17'0-3-0 E00et 110'0-3-0 E00et 110'0-1-8 0-1-81	
1 10100 0110000 (7.1) 1 7.		

	, , , , , , , , , , , , , , , , , , , ,	[51,6	9.01	-1						-	
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.17	14-15	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.48	Vert(CT)	-0.26	14-15	>755	720	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 111 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP 2400F 2.0E(flat)										

BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc

	bracing.	
REACTIONS	(size)	11=0-2-12, 18=0-6-0
	Max Grav	11=1037 (LC 1), 18=1037 (LC 1)
FORCES	(lb) - Max	imum Compression/Maximum
	Tension	
TOP CHORD	1-18=-102	28/0, 10-11=-1019/0, 1-2=-1660/0,
	2-4=-1659	9/0, 4-5=-3335/0, 5-6=-3335/0,
	6-7=-2766	6/0, 7-9=-1053/0, 9-10=-1054/0
BOT CHORD	17-18=0/0), 15-17=0/2708, 14-15=0/2766,
	13-14=0/2	2766, 12-13=0/2766, 11-12=0/0
WEBS	6-14=-89/	0, 7-13=0/144, 6-15=-2/783,
	5-15=-53	5/0, 4-15=0/704, 4-17=-1179/0,
	2-17=-314	4/0, 1-17=0/1889, 7-12=-1916/0,
	9-12=-200)/175.10-12=0/1383

NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
 Provide mechanical connection (by others) of truss to
- bearing plate at joint(s) 11.
- 4) 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.

5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





														RELEASE	FOR CON	STRUCTION
Job	-	Truss			Truss 7	Гуре		Qty	'	Ply				AS NOTE DEVEL	D FOR PL	AN REVIEW
P210577 - F	loor l	F53			Floor			1		1	Job Refei	ence (opti	onal	LEE'S	158527 Summit, N	7991 NISSOURI
Premier Building	Supply (Springhill	, KS), Sp	ring Hills, KS	S - 66083,			Run: 8.63 S No	ov 19 2022	Print: 8.6	30 S Nov 1	9 2022 MiTe	k Industries,	Inc.	ue May 231 25:81	24/2	2023
	0-1-8 ∦	<u>1-6-1</u>	1-6-0	<u>2</u> - 3x6 F	-6-0 :P	-			,	+	2-0-0	-		<u>1-3-15</u> 0-1 1.5	-8 x4 =	
1-6-0	3x1 - 1 - 1 - 1 - 1 - 1.5x 6x6	7: 0 II 4 =	2 22 4x6 II	3x6 FP 6x6 = 3 4 5 2 21 3x6 FP		3x10 II 6 20 5x8 =	6x6 =	3x10 8 19 5x8	18 3x6 FP	6x6 = 9 10 9 10 17 3x6		6x6 = 11 16 3x6 II		7x8= 3x10 II 12 13 13 15 6x12= 6x6	: . C . C . C	2
Scale = 1:40.9			<u>4-1-0</u> 4-1-0				13-9-1 9-8-1			1 1	4-9-115-9-	-1 	<u>20</u> 4-	0-1-0 3-15		
Plate Offsets (X	[1:0-1-8,0 (, Y): [20:0-3-8	0-2-8], [,Edge],	2:0-1-8,Ed [22:0-3-0,I	ge], [3:0-2 Edge]	2-0,Edge], [7:0-3-0,Edge	e], [10:0-1-8,Edge	9], [11:0-1	-8,Edge], [13:0-1-	8,Edge], [1	3:0-1-8,0-0)-8], [[16:0-3-0,Edge], [19:0-3-0,E	dge],
Loading TCLL TCDL BCLL BCDL	(r 6 2 1	osf) 60.0 55.0 0.0 0.0	Spacing Plate Grip Lumber Do Rep Stres Code	DOL OL s Incr	1-4-0 1.00 1.00 YES IRC201	8/TPI2014	CSI TC BC WB Matrix-S	0.24 0.34 0.52	DEFL Vert(L Vert(C Horz(C	L) -0. ;T) -0. CT) 0.	in (loc) 17 17-19 27 17-19 03 14	l/defl >999 >883 n/a	L/d 480 480 n/a	PLATES MT20 Weight: 189 lb	GRIP 244/190 FT = 20 ^o	%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP 2400F 2x4 SP 2400F 2x4 SP No.2(f 2x4 SP No.2(f Structural woo 6-0-0 oc purlir Rigid ceiling d bracing	2.0E(fl 2.0E(fl lat) lat) od shea ns, exce lirectly a	at) at) thing direct ept end ver applied or 1	tly applied ticals. 0-0-0 oc	4) L	Recommend 10-00-00 oc (0.131" X 3") at their outer OAD CASE(S)	I 2x6 strongbacks and fastened to 6 nails. Strongbac ends or restraine Standard	s, on edge each truss cks to be ed by othe	, space with 3- attache er mean	d at 10d d to walls s.						
REACTIONS ((size) 14=	0-2-12,	23=0-6-0	250 (1 C 1	1)											
FORCES	(lb) - Maximun	n Comp	oression/Ma	aximum	1)											
TOP CHORD	1-23=-89/0, 13 2-3=-1592/0, 3 7-8=-5225/0, 8 11-12=-1446/0 22-23=0/1597	3-14=-1 3-6=-42 3-10=-5 3, 12-13 , 20-22=	231/0, 1-2= 91/0, 6-7=- 225/0, 10-1 3=-1446/0 =0/2830, 19	=0/5, •4291/0, 11=-3928/ 9-20=0/49	0, 89,											
WEBS	17-19=0/3928 14-15=0/0 10-17=-188/0, 8-19=-588/0, 7 6-20=-304/0, 3 2-22=0/843, 2 12, 15=, 195/14	, 16-17= 11-16= 7-19=0/3 3-20=0/ -23=-19	=0/3928, 1 =0/237, 10- 307, 7-20= 1613, 3-22 906/0, 11-1 5-0/1827	5-16=0/39 19=0/154 -770/0, =-1545/0, 5=-2724/0	128, 9,),								L	STE OF M	AISSO	
NOTES 1) Unbalanced this design. 2) Provide me bearing pla 3) This truss is Internationa R802.10.2 a	d floor live load chanical conne te at joint(s) 14 s designed in a al Residential C and referenced	s have I sction (b ccordar code sec standa	been consi by others) of noce with the ctions R502 rd ANSI/TF	dered for of truss to e 2018 2.11.1 and PI 1.	1									NATHA FO: PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-20220 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-2020 PE-20	NIEL X 042259 L EN 24,202	



												RELEASE	FOR CONST	RUCTION
Job		Truss		Tru	iss Type		Qty	1	Ply			AS NOTE DEVEL	D FOR PLAN	
P210577 - F	loor	F54		Flo	oor		1		1	Job Refe	rence (optiona	LEE'S	15852799 SUMMIT, MISS	2 Souri
Premier Building	Supply (Spring	ghill, KS), S	Spring Hills, KS - 6	6083,		Run: 8.63 S Nov	19 2022 F	Print: 8.63	30 S Nov 19	9 2022 MiTe	k Industries, Inc.		24/20	923
						ID. TOW TAZBEVQ3		NI NJZEC	576-INIC ! F	50701143143	gr qiilowouii Al	10000000000000000000000000000000000000		
	1-1(D-1											0-1-8 	
												I 1 -	-3-15	
	0-1-8 H	\vdash	2-6-0	-						2	2-0-0			
													1.5x4 =	
	6x6 =			3x6 FP						6x6 =			6x6 =	
	1.5x4 =	3x6	II	6x6 =	3x6 II	4x6 II		3x6 II	3x6 FF	, 0	6x6 =	= 3x6 i	I	
Т	1	2		34	5	0			8	9 			12	\top
0-9-								¶						0-9-
										Π				-
	6×6 -	21		20	19 7x8 =			18	17	16	15	14	⊠	
	0.0 -	6x12	2 =	3X0 FP	770 -			5x8 =		3x6 II	Зх6 н	7x8 =	6x6 =	
								M	[18HS 3x1	0 FP				
	1	5	-5-0	1		15-1-1				16-1-	1,17-1-1	21-5-0	1	
		5	5-5-0			9-8-1				1-0-0	₁₋₀₋₀	4-3-15		
Scale = 1:38.9														
Plate Offsets ()	X, Y): [1:0-1	-8,0-0-8],	[9:0-1-8,Edge],	[10:0-1-8,	Edge], [12:0-1-8,E	dge], [12:0-1-8,0-0-	8], [15:0-	-3-0,Edą	ge], [18:0-	2-12,Edge	9]	1		
Loading		(psf)	Spacing	1-4 1 0	-0	CSI	0.40	DEFL) -0	in (loc)	l/defl L/c	PLATES	GRIP 244/190	
TCDL		25.0	Lumber DOL	1.0	0	BC	0.40	Vert(C	Γ) -0.4 Γ) -0.4	42 16-18	>612 480	MT18HS	244/190	
BCLL BCDL		0.0 10.0	Code	cr YE	S 2018/TPI2014	WB Matrix-S	0.66	Horz(C	1) 0.	05 13	n/a n/a	Weight: 171 lb	FT = 20%F	, 11%E
LUMBER			-		6) Recommen	d 2x6 strongbacks,	on edge,	spaced	lat					
TOP CHORD BOT CHORD	2x4 SP 240 2x4 SP 240	00F 2.0E(00F 2.0E(flat) flat)		10-00-00 oc (0.131" X 3'	") nails. Strongback	ch truss s to be a	with 3-1 ittached	to walls					
WEBS OTHERS	2x4 SP No 2x4 SP No	.2(flat) .2(flat)			at their oute LOAD CASE(S	er ends or restrained) Standard	by othe	r means	6.					
BRACING	Structural	wood she	athing directly a	pplied or										
BOT CHORD	6-0-0 oc pu Rigid ceilin	urlins, ex	cept end vertica	ls. -0.00										
DEACTIONS	bracing.			0.00										
REACTIONS	Max Grav	13=1341 13=1341	(LC 1), 22=1341	1 (LC 1)										
FORCES	(lb) - Maxir Tension	num Com	pression/Maxim	num										
TOP CHORD	1-22=-1334 2-3=-2017/	4/0, 12-13 0, 3-5=-5	8=-1275/0, 1-2=- 090/0, 5-6=-509	-2018/0, 90/0,										
	6-7=-5653/ 10-11=-14	′0, 7-9=-5 15/0, 11-1	653/0, 9-10=-41 2=-1416/0	55/0,										
BOT CHORD	21-22=0/0, 16-18=0/41	19-21=0/	/3848, 18-19=0/ 6=0/4155, 14-15	5620, 5=0/4155,										
WEBS	13-14=0/0 9-16=-500/	0, 10-15=	=0/564, 9-18=0/*	1778,										
	7-18=-516/ 5-19=-297/	0, 6-18=- 0, 3-19=0	30/198, 6-19=-5)/1382, 3-21=-20	589/0, 037/0,								0000	The	
	2-21=-265/ 11-14=-17	0, 1-21=0 5/178, 12)/2356, 10-14=-3 -14=0/1822	3035/0,								FE OF I	MISSO	2
NOTES	d floor live in	ade hour	heen consider	ad for							A	S NATHA	NIEL	S.S.
this design		aus nave									R	FO	x	and the second s
 All plates a All plates a 	are MT20 pla are 3x6 MT20	tes unies) unless c	s otherwise indication	cated. ted.								HI		E Ba
 Provide me bearing pla 	echanical co ate at joint(s)	nnection (13.	(by others) of tru	uss to							No.	AX MARKA	BER	E
 This truss i Internation 	is designed i al Residentia	n accorda al Code s	ance with the 20 ections R502.11	18 .1 and							Ŷ	PE-2022	042239	A A
R802.10.2	and reference	ced stand	ard ANSI/TPI 1.									SIONA	LENG	7
												Mai	24 2023	
												ividy	- 1,2020	
	ING - Verify desi	gn paramete	ers and READ NOTE	S ON THIS A	ND INCLUDED MITEK I	REFERENCE PAGE MII-7	473 rev. 5/* vidual buik	19/2020 B		I.				



									RELEASE	FOR CONSTRUCT	ΓΙΟΝ
Job	Truss		Truss Type		Qty	Ply			AS NOTE DEVEL	D FOR PLAN REVI OPM <u>ENT SER</u> VICE	EW S
P210577 - F	Floor F55		Floor		1	1	Job Refere	nce (optional	LEE'S	158527993 SUMMIT, MISSOUR	રા
Premier Building	g Supply (Springhill, KS),	Spring Hills, KS - 66083,		Run: 8.63 S Nov 19	2022 Print: 8	.630 S Nov 19	2022 MiTek I	ndustries, Inc.	ue May 231 25:82	24/202	23
				ID. I IQUI IU CATO I I I I I I I I I I I I I I I I I I I	1390000033112		BrongSNogr	qriebwourrxbc	KWICD01734280?I-		
	0-8-1							2-0-0	<u> </u>	10-4	
	0-1-8 260						I	. I	1 11 12	0-1-8	
	2-6-0	———————————————————————————————————————						-	1-11-12	Η	
	7x8 =		3x6 FP			3x6 FP				1.5x4 =	
	Зх10 п	Зх10 ш	3x6 FP 3x1	0	3	x10 u	7.0	6x6)= 2::10 ::	7x8 =	
	1 2	3	^{6x6} = 4 56 7	6x6 = 8		9 10	11	12	13	14	
ې ۲						<u>لل</u>					ọ
1-6											1-6
<i>4</i>	23	22	21 20		1	9	18	 17	16	<u>\$</u> 15	
		4x12 = N	//T18HS 3x10 FP		4	x12 =	1.5x4 I	1.5x4	u 4x12 =	4x4 =	
	1.5x4 =		3x1	0 =							
	4x6 =										
	I		16-5-1				17-5	-1 18-5-1	22-9-0		
			16-5-1				1-0-	0 1-0-0	4-3-15		
Scale = 1:40.7											
Plate Offsets ((X, Y): [1:0-1-8,0-2-8	, [2:0-2-12,Edge], [4:0)-2-8,Edge], [8:0-3-0,E	dge], [11:0-1-8,Edge],	[12:0-1-8,Ed	lge], [14:0-1	-8,Edge], [14	4:0-1-8,0-0-8]	, [15:Edge,0-1-8]		
Loading	(psf)	Spacing	1-4-0	CSI	DEF	L	in (loc)	l/defl L/d	PLATES	GRIP	
TCLL TCDL	60.0 25.0	Plate Grip DOL Lumber DOL	1.00 1.00	TC BC	0.37 Vert 0.64 Vert	LL) -0. CT) -0.	32 19-20 54 19-20	>832 480 >500 480	MT18HS MT20	244/190 244/190	
BCLL BCDL	0.0 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-S	0.72 Horz	(CT) 0.	10 15	n/a n/a	Weight: 182 lb	FT = 20%F, 11%	6E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS NOTES 1) Unbalance this design 2) All plates a 3) Provide m bearing pla 4) This truss Internation R802.10.2	2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood shi 6-0-0 oc purlins, e: Rigid ceiling directh bracing. (size) 15=0-2-1 Max Grav 15=1425 (lb) - Maximum Cor Tension 1-23=0/57, 14-15= 2-3=-3285/0, 3-4=- 7-8=-6068/0, 8-9=- 11-12=-4443/0, 12- 13-14=-2014/0 22-23=0/989, 20-22 18-19=0/4443, 17- 15-16=0/0 11-18=-44/0, 12-17 9-19=-842/0, 8-19= 7-20=-483/0, 4-20= 3-22=-330/0, 2-22= 12-16=-2825/0, 13- 14-16=0/2363 ed floor live loads hav n. are MT20 plates unlex techanical connection techanical connection al Residential Code s 2 and referenced stan	(flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (flat) (f	5) Recommen 10-00-00 c (0.131" X 3 at their out LOAD CASE(5 d or 1) 86, 443, 1, , , , , , , , , , , , , ,	nd 2x6 strongbacks, or ic and fastened to each ") nails. Strongbacks er ends or restrained b 5) Standard	edge, spac truss with is to be attach y other mea	ed at 3-10d ed to walls ins.			STATE OF M STATE OF M NATHA FOI PE-20220 PE-20220 PE-20220 PE-20220 PE-20220	AISSOLUTE NIEL A2259 LENGT	
WARN	NNG - Verify design parame	ters and READ NOTES ON T	THIS AND INCLUDED MITEK	REFERENCE PAGE MII-747	3 rev. 5/19/202) BEFORE USE				,	



												RELEAS		UCTION
Job		Truss		Truss Type		Qty	, Ł	۶ly				AS NOT DEVE	ED FOR PLAN I	REVIEW VICES
P210577 - F	Floor	F56		Floor		1	1	1	Job Refere	nce (opti	onal	LEE'S	158527994 S SUMMIT, MISS	I OURI
Premier Building	g Supply (Spring	hill, KS), S	Spring Hills, KS - 66083,		Run: 8.63	S Nov 19 2022	Print: 8.63	0 S Nov 19	9 2022 MiTek	Industries,	Inc.	ue May 23105	24/26	923
					ID:5DsGini	Vite I_g1n1cV3	/q4zIGa	-RfC?PsB7	UHq3NSgPqr	L8w3ul1X	bGKV	rCDoi/J42JOH	/ _ `	
	1-3-14									2-0-0	ı	1	1-10-4	
	0-1-8								F	200			0-1-8	
,	Ĥ	2-6	5-0	3x6 FP							\vdash	1-11-12	θĤ	
	P	×10 =		3x6 FP				MTIO						
	Зх12 ш		Зх12 ш	3x6 FP	Зх12 и		3x	12 II	45 3X10 FP		8x	8 =	10x10 =	
	1 1	,	3	8x8 =	0	8x8 =	10	n	8x8 =		12	3x12	15	
0					0 0			:						o
- -		~												1-6-
⊥ 2			23	22	21		20)	ਸ 19		ুল 18	17	1 6	
			4x12 =				4x	(12 =	1.5x4	II	1.5x4	u 4x12	= 4x4 =	
	1.5x4 =			MT18HS 3x10 FP	0.40								1.5x4 =	
	3x6 =			1.5X4 =	3x10=									
	1			17-0-1	14				18-	19-0- 0-14 I	·14 I	23-4-13	i 1	
				17-0-1	14				1-	0-0 1-0-	0	4-3-15		
Socia - 1:41 7														
Plate Offsets ((X, Y): [1:0-1	-8,0-3-0],	[2:0-4-0,Edge], [4:0-	4-0,Edge], [9:0-4-0,E	Edge], [12:0-1-8,E	Edge], [13:0-1-	·8,Edge],	, [15:0-1-8	8,Edge], [15	:0-1-8,0-	1-0], [16:Edge,0-1-8],	[17:0-5-0,Edge	e]
Loading	-	(psf)	Spacing	1-4-0	CSI		DEFL		in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL TCDL		60.0 25.0	Plate Grip DOL Lumber DOL	1.00 1.00	TC BC	0.27 0.68	Vert(LL Vert(CT	.) -0.: [) -0.!	35 20-21 58 20-21	>803 >482	480 480	MT20 MT18HS	244/190 244/190	
BCLL		0.0	Rep Stress Incr	YES	WB Matrix S	0.74	Horz(C	́т) 0.	11 16	n/a	n/a	Woight: 219 lb	ET - 20% E	110/ ⊑
		10.0	Code	6) Recomm	lividuitx-0	acks on edge	spaced					weight. 210 k	FT = 20 /0F,	11/0
TOP CHORD	2x4 SP 240	0F 2.0E(flat)	10-00-00	oc and fastened	to each truss	with 3-1	0d						
WEBS	2x4 SP 240 2x4 SP No.	0F 2.0E(2(flat)	flat)	at their o	uter ends or rest	rained by othe	r means	to waiis						
OTHERS BRACING	2x4 SP No.	2(flat)		LOAD CASE	(S) Standard									
TOP CHORD	Structural v	vood she	athing directly applied	d or										
BOT CHORD	Rigid ceilin	g directly	applied or 10-0-0 oc											
REACTIONS	(size)	6=0-2-12	2, 24=0-6-12											
FORCES	Max Grav 1 (lb) - Maxin	6=1466 num Com	(LC 1), 24=1466 (LC pression/Maximum	1)										
TOP CHORD	Tension 1-24=-81/0	. 15-16=-	1452/0. 1-2=0/0.											
	2-3=-4069/ 8-9=-6798/	0, 3-4=-4 0 9-10=-	069/0, 4-8=-6798/0, 6787/0 10-12=-6787	//0										
	12-13=-468	80/0, 13-1	4=-2199/0,	, , ,										
BOT CHORD	23-24=0/17	09, 21-2	3=0/5360, 20-21=0/6	583,										
	16-17=0/0	01, 10-1	9=0/4680, 17-18=0/4	676,										
WEBS	12-20=0/24 9-21=-5/28	01, 10-20 1, 8-21=-	0=-1013/0, 9-20=0/31 697/0, 4-21=0/1585,	18,								STA	and	
	4-23=-1422 2-24=-2187	2/0, 3-23= 7/0, 12-19	=-445/0, 2-23=0/2608)=-15/8, 13-18=0/69,	,								TE OF	MISSO	6
	13-17=-287 15-17=0/25	′2/0, 14-1 644	7=-76/370,								B	NATH	ANIEL	S.
NOTES	ad floor live lo	ade have	been considered for							•	8.			-
this design											Ø	The	\mathcal{A}	28
 All plates a The Fabric 	cation Tolerar	ice unies nce at joir	s otherwise indicated nt 22 = 11%								85		BER	38
 Provide me bearing pla 	echanical cor ate at joint(s)	nnection (16.	(by others) of truss to	1							8	PE-202.	2042239	ġ
5) This truss Internation	is designed in nal Residentia	n accorda Il Code si	ance with the 2018 ections R502.11.1 an	d								SION	IL ENG	7
R802.10.2	2 and reference	ed stand	ard ANSI/TPI 1.									Mar NAC	V 24 2022	
													y 24,2023	

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 ocllapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



												RELEASE	FOR CONSTR	UCTION
Job		Truss		Truss Type		Qty	Ply					AS NOTE DEVEL	D FOR PLAN R OPM <u>ENT SERV</u>	REVIEW /ICES
P210577 - F	Floor	F57		Floor		1	1		Job Refere	nce (optio	onali	LEE'S	158527995 SUMMIT, MISS	OURI
Premier Building	g Supply (Springh	iill, KS), S	pring Hills, KS - 66083,		Run: 8.63 S Nov	v 19 2022 Pr	rint: 8.630 S I	Nov 19	2022 MiTek	Industries,	Inc.	ue May 231 25;82	24/20)23
						NICOVUTUD	TSWEZEG4Z	-RIC /PS	SB/UHQ3NS	gPqnL8w3i		GRWICD0173-23CT		
	1-2-10								I	2-0-0	I	1-	10-4	
	0-1-8												ا 0-1-8	
	H	2-6-	0	3x6 FP							\vdash	1-11-12	H	
	8x1	10 =		3x6 FP				МТ10Ц	9 2v10 ED					
	3x12 II		Зх12 и	3x6 FP	3x12 ш		3x12 u		5 5X10 FF		8x	(8 =	10x10 =	
	1 2		3	8x8=	8x	8 =	10		8x8 =		13	3x12 II	15	
0							0	-			13	A		o,
1-6-		-												1-6-
⊥ 2	24		23	 22	21		20		<u>្រុ</u> ទ 19		ूष 18	17	<u>16</u>	
			4x12 =				4x12 =		1.5x4	II	1.5x4	4 u 4x12 =	4x4 =	
	1.5x4 =			MT18HS 3x10 FP									1.5x4 =	
	3x6 =			1.5x4 =	3x10 =									
	1			16-11- ⁷	10				17-1	18-11- 1-10	10	23-3-9		
				16-11-1	10				1-	0-0 1-0-0	0	4-3-15		
Casla 4:44.C														
$\frac{\text{Scale} = 1.41.6}{\text{Plate Offsets (}}$	(X, Y): [1:0-1-8	3,0-3-0],	[2:0-4-0,Edge], [4:0-	4-0,Edge], [9:0-4-0,E	dge], [12:0-1-8,Edge]], [13:0-1-8	3,Edge], [15	:0-1-8,	Edge], [15	:0-1-8,0-1	1-0], [[16:Edge,0-1-8], [17:0-5-0,Edge]
Loading		(psf)	Spacing	1-4-0	CSI	1	DEFL	ir	n (loc)	l/defl	L/d	PLATES	GRIP	
		60.0 25.0	Plate Grip DOL	1.00	TC BC	0.27	Vert(LL)	-0.34	4 20-21	>813	480 480	MT18HS	244/190	
BCLL		0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.1	1 16	n/a	n/a			
		10.0	Code	() Recemm	Matrix-S					-		Weight: 217 lb	FT = 20%F,	11%E
TOP CHORD	2x4 SP 2400)F 2.0E(flat)	6) Recommon 10-00-00	oc and fastened to e	, on edge, ach truss v	with 3-10d							
BOT CHORD WEBS	2x4 SP 2400 2x4 SP No.2)F 2.0E((flat)	flat)	(0.131" X at their o	iter ends or restraine	ks to be at d by other	means.	alis						
OTHERS BRACING	2x4 SP No.2	(flat)		LOAD CASE	(S) Standard									
TOP CHORD	Structural wo	ood she	athing directly applie	d or										
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0 oc											
REACTIONS	(size) 16	6=0-2-12	2, 24=0-6-0											
FORCES	Max Grav 16 (lb) - Maximu	6=1460 um Com	(LC 1), 24=1460 (LC pression/Maximum	1)										
	Tension	15-16	1446/0 1-2-0/0											
	2-3=-3959/0	, 3-4=-3	959/0, 4-8=-6718/0,	/0										
	12-13=-4652	2/0, 13-1	4=-2188/0,	70,										
BOT CHORD	23-24=0/160	9, 21-2	3=0/5272, 20-21=0/6	523,										
	19-20=0/465 16-17=0/0	3, 18-19	9=0/4652, 17-18=0/4	647,										
WEBS	12-19=-15/9 10-20=-1007	, 13-18= 7/0, 9-20	:0/68, 12-20=0/2376,)=0/322, 9-21=-14/26	0,								CONT	The	
	8-21=-692/0 3-23=-432/0	, 4-21=0 , 2-23=0)/1593, 4-23=-1447/0)/2597, 2-24=-2121/0	,								TEOFI	AISSO	Ň
	13-17=-2852 15-17=0/253	2/0, 14-1 32	7=-77/367,								A	S NATHA	NIEL	N.
NOTES	od floor live loo	da hava	been considered for							-	8.	FO	x	- h
this design	n.	us nave	been considered for								17	Thin	I A	Ż
 All plates a The Fabric 	cation Tolerand	es unies: ce at joir	s otherwise indicated nt 22 = 11%								83	X UMULA	BER	38
 Provide m bearing place 	nechanical conr late at joint(s) 1	nection (6.	by others) of truss to								8	PE-2022	542259	B
5) This truss Internation	is designed in nal Residential	accorda Code se	ance with the 2018 ections R502.11.1 an	d							0	SIONA	LENO	
R802.10.2	2 and reference	ed stand	ard ANSI/TPI 1.									Mai	24 2022	
												ividy	24,2023	
WARN	NING - Verify design	n paramete	rs and READ NOTES ON T	HIS AND INCLUDED MITE	K REFERENCE PAGE MII-	7473 rev. 5/19	9/2020 BEFOR	E USE.						
Design va a truss sy	and for use only with ystem. Before use,	the buildir	connectors. This design is ng designer must verify the	applicability of design para	ers snown, and is for an incometers and properly incometers and properly income	aividual buildi porate this de	ing component sign into the c	t, not 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



												RELEASE FOR CONSTRUCTION
Job		Truss		Truss Ty	ре		Qty	/	Ply			AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - F	loor	F58		Floor			1		1	Job Referer	nce (optional	I58527996 LEE'S SUMMIT, MISSOURI
Premier Building	Supply (Springh	ill, KS), S	pring Hills, KS - 66083,			Run: 8.63 S Nov 1	19 2022	Print: 8.6	630 S Nov 19	2022 MiTek li 20Ha2NSaDa	ndustries, Inc.	ue May 31853324/2023
						ID:QmIuXt73nVg5	1 Y Y SIVIF	IEOLZEG	331-RIC (PSB	алондзіхерді	nl8w3ul1XbGr	
	2-5-14	4	-	2-6-0								1-7-2
0	⊢1-8 ∦	F	2-5-4								2-0-0	1-5-10
	11	I	I								I	
	8x8 =				3x6 FP	3x10 u			3x6	FP		
	1.5x4 =	7	3x10 u		6x6 = 3	x6 FP	6x6 :	-	3x10	7 II	/x8 =	7x8 = ^{3x10} II 7x8 =
Т		2	3		4 5		8		9 1	0	11	
1-6-0											1	
					22	21		20			4	
	6x6 =	24 7v9 -	23 5×10 =	MT18H	S 3x10 FP	£1	MT10	20	19 0 EP		18	17 16 3x6 II
		7 X0 =	3×10=			0x0 =	IVITIC	5110 54 10	5x10)=	320 1	5x0 II 5x12 =
											20-3	s-10
			7-10-6				18-3-1	0			19-3-10	23-10-6
	I		7-10-6		1		10-5-3	3			1-0-011-0	-0' 3-6-13 '
Scale = 1:42.4	[1:Edge	e,0-4-8],	[1:0-1-8,0-0-8], [2:0-	1-8,Edge],	[4:0-3-0,Edge	e], [8:0-3-0,Edge], [1	1:0-1-8	3,Edge]	, [12:0-1-8,	Edge], [14:0	-3-0,Edge], [1	17:0-3-0,Edge], [19:0-2-8,Edge],
Plate Offsets ()	K, Y): [23:0-4-	12,Edge	e], [24:0-1-8,Edge]		-							
Loading		(psf)	Spacing	1-4-0 1.00		CSI	0.22	DEFL		in (loc)	I/defl L/d	PLATES GRIP
TCDL		25.0	Lumber DOL	1.00		BC	0.33	Vert(C	L) -0.3 CT) -0.4	48 19-21	>589 480	MT18HS 244/190
BCLL BCDL		0.0 10.0	Rep Stress Incr Code	YES IRC2018/	/TPI2014	WB Matrix-S	0.91	Horz(CT) 0.0	06 15	n/a n/a	Weight: 224 lb FT = 20%F, 11%E
LUMBER				5)	Recommend	2x6 strongbacks, c	on edge	, space	ed at			
TOP CHORD	2x4 SP 2400 2x4 SP 2400	F 2.0E(f	lat) lat)		10-00-00 oc (0.131" X 3")	and fastened to each nails. Strongbacks	ch truss to be a	with 3- attache	-10d d to walls			
WEBS	2x4 SP No.2	(flat)	,	6)	at their outer	ends or restrained	by othe	er mean	ıs.			
BRACING	2X4 SP NU.2	(iiat)		LO	AD CASE(S)	Standard	lonward					
TOP CHORD	Structural wo 6-0-0 oc purl	ood shea ins, exc	athing directly applies apt end verticals.	d or								
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0 oc									
REACTIONS	(size) 15	= Mech	anical, 25=0-6-0									
FORCES	Max Grav 15 (lb) - Maximu)=1496 (um Com	LC 1), 25=1496 (LC pression/Maximum	1)								
TOP CHORD	Tension 1-25=-1471/0	0. 14-15	=-1457/0. 1-2=-2961	/0.								
	2-3=-5113/0, 7-8=-7285/0	3-4=-51	13/0, 4-7=-7285/0, 796/0, 9-11=-6796/0	,								
	11-12=-4506	/0, 12-1	3=-1805/0,									
BOT CHORD	24-25=0/0, 2	/0 3-24=0/2	2961, 21-23=0/6461									
	19-21=0/722 16-17=0/450	9, 18-19 6, 15-16)=0/4506, 17-18=0/4 i=0/0	506,								
WEBS	11-18=-281/0 9-19=-694/0), 12-17 8-19=-5	=0/407, 11-19=0/257 521/0, 8-21=-69/105,	′9,								OF MIS-
	7-21=-346/0,	4-21=0	/908, 4-23=-1486/0, -3282/0_13-16=0/56	2							F	TE SSOL
	14-16=0/222	0, 2-23=	0/2371, 2-24=-1290	/0,							A	S NATHANIEL P
NOTES	1- 24 =0/3240										a.	A I I TOX
 Unbalance this design 	d floor live loa	ds have	been considered for								8	athanial Store
2) All plates a 3) Refer to cir	re MT20 plate	s unless	otherwise indicated								N.	PE-2022042259
 This truss i 	s designed in	accorda	nce with the 2018	d							<i>V</i>	THE AND
R802.10.2	and reference	d standa	ard ANSI/TPI 1.	u							i:	STONAL ET
												May 24 2022
												iviay 24,2023



						RELEASE FOR CONSTRUCTION
loh	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
000	11035		Giy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F59	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125 324/20:23 ID:wzILL_UKQjyBWYnqu4t_oTzIFvC-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7942017



Scale = 1:40.1

Plate Offsets (X, Y): [1:Edge,0-4-8], [1:0-1-8,0-0-8], [2:0-1-8,Edge], [5:0-3-0,Edge], [8:0-3-0,Edge], [11:0-4-0,Edge], [13:0-3-0,Edge], [16:0-2-12,Edge], [20:0-4-12,Edge], [21:0-1-8,Edge]												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	-0.21	16-18	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.34	16-18	>783	720	MT18HS	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 211 lb	FT = 20%F, 11%E
LUMBER												

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins. except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 14= Mechanical, 22=0-4-4
	Max Grav 14=1398 (LC 1), 22=1398 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-22=-1375/0, 13-14=-1401/0, 1-2=-2704/0,
	2-3=-4654/0, 3-5=-4654/0, 5-7=-6440/0,
	7-8=-6440/0, 8-9=-5445/0, 9-11=-5445/0,
	11-12=-1743/0, 12-13=-1743/0
BOT CHORD	21-22=0/0, 20-21=0/2704, 18-20=0/5818,
	16-18=0/6209, 15-16=0/3846, 14-15=0/0
WEBS	3-20=-310/0, 5-20=-1283/0, 5-18=0/685,
	7-18=-326/0, 8-18=0/254, 8-16=-842/0,
	9-16=-324/0, 11-16=0/1763, 11-15=-2318/0,
	12-15=-330/0, 13-15=0/2215, 2-20=0/2149,
	2-21=-1198/0, 1-21=0/2968
NOTES	

- All plates are MT20 plates unless otherwise indicated. 1)
- Refer to girder(s) for truss to truss connections. 2)
- This truss is designed in accordance with the 2018 3) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 4) Recommend 2x6 strongbacks, on edge, spaced at
- 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11** Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

														RELEASE FOR CONSTRUCTION
Job		Truss			Truss Typ	be		Qty	<i>'</i>	Ply				AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - F	-loor	F60			Floor			1		1	Job Re	ference (or	otional	158527998 LEE'S SUMMIT, MISSOURI
Premier Building	Supply (Spring	ghill, KS), S	Spring Hills, KS - (66083,			Run: 8.63 S No	/ 19 2022	Print: 8.6	30 S Nov 1	9 2022 Mi	Tek Industrie	es, Inc.	ue May 23185/324/299:23
Premier Building	Supply (Spring	0 - 10 - 2 0 - 10 - 2 0 - 10 - 2 0 - 10 - 2 0 - 10 - 2 3x 6x6 = 1.5x4 = 1.5x4 = 1.5x4 = 1.5x4 = 1.5x4 = 1.5x4 = 1.5x4 = 1.5x4 =	2-6-0 (10 II 9 9	7x8 = 3 3 3x	3x6 FP 4 18 .6 FP	3x10 II 3x6 FP 5 6 17 4x12 =	Run: 8.63 S No ID:O4I0H4hIC7V 6x6 = 7 2	3x10 r 8 16 3x6 =	Print: 8.6	6x6 =	9 2022 Mi B70Hq3N 33	3x10 # 66 FP 1011 15 4x12 =	es, Inc. uITXbG	ue May 0 85% 24/2023
	0)-1-8 1-3	3-9				2	20-9-8						
	0	0-1-8 0-2 0-11-10	2-8				1	9-5-15						
$\frac{\text{Scale} = 1:43.6}{\text{Plate Offsets (}}$	X Y): [1:Ed	ne ()-4-8]	[1.0-1-8 0-0-1]	2] [3:0-4	4-0 Edgel	[7:0-3-0 Ed	ne] [9:0-3-0 Edge]	[12.0-4	-0 Edae	1 [20·Eda	e 0-0-12	1 [21:0-1-8	0-0-12	1
	, , , , [1.20]	(0	2], [0:0	1 0,Eugo]	, [1:0 0 0,24		, [12.0 1	DEE	,, [20:20g	in (la	-) ///	.,0012	
TCLL		(pst) 60.0	Plate Grip D	ЭL	1-4-0 1.00		TC	0.14	Vert(L	L) -0.	in (lo 18 16-	c) I/defi 17 >999	L/d 720	MT20 244/190
TCDL BCLL		25.0 0.0	Lumber DOL Rep Stress I	ncr	1.00 NO		BC WB	0.51 0.55	Vert(C Horz(CT) -0. CT) 0.	28 16- [.] 07	17 >826 14 n/a	720 n/a	
BCDL		10.0	Code		IRC2018/	TPI2014	Matrix-S		- (-			Weight: 166 lb FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD BOT CHORD BOT CHORD BOT CHORD WEBS	2x4 SP 24(2x4 SP 24(2x4 SP No 2x4 SP No Structural V 6-0-0 oc pr Rigid ceilin bracing, E 6-0-0 oc br (size) Max Grav (lb) - Maxin Tension 1-20=-28/0 2-3=0/739, 7-8=-47292 19-20=-1/0 15-16=0/44 2-19=-595/ 3-17=0/196 7-16=0/54 9-15=-1019 12-14=-184	00F 2.0E(00F 2.0E(.2(flat) .2(flat) .2(flat) .2(g directly Except: acing: 19 14= Mech 14=1219 (num Com , 13-14=-i 3-5=-355 0, 8-9=-4 39/0, 12-1 , 17-19=0 151, 14-15 1, 5-17=-5 , 8-16=-4 5/0, 11-15 5/4/0	flat) flat) athing directly cept end vertic applied or 10- -20. hanical, 19=0-4 (LC 4), 19=242 pression/Maxii 84/0, 1-2=0/73 59/0, 5-7=-3555 729/0, 9-11=-3 33=0/0 b)1858, 16-17= 5=0/1482 1161/0, 3-19=- 402/0, 7-17=-5 124/0, 9-16=0/6 5=-352/0, 12-15	applied (als. 0-0 oc 25 (LC 1) mum 9, 0/0, 239/0, 0/4299, 2249/0, 343, 5=0/1958	7) or LO 1)	nanger(s) OI provided suf lb down at (such connec In the LOAD of the truss a AD CASE(S) Dead + Flo Plate Incre: Uniform Lo Vert: 14- Concentrat Vert: 1=-	icient connection ficient to support of -1-8 on top chord tion device(s) is the CASE(S) section, are noted as front Standard or Live (balanced) ase=1.00 ads (lb/ft) 20=-13, 1-13=-113 ed Loads (lb) 1000 (F)	Georgentra concentra ne respor loads ac (F) or bac : Lumber	, snall t Ited loa sign/sel nsibility oplied to ck (B).	ve d(s) 1000 ection of of others. o the face se=1.00,				STE OF MISSOLD
NOTES 1) Unbalance this design 2) Refer to gi 3) This truss Internation R802.10.2 4) Recomme 10-00-00 c (0.131" X 3 at their out 5) CAUTION	tz-14=-18 ad floor live lo n. irder(s) for tru is designed i aal Residentia and referend nd 2x6 strong oc and fasten 3") nails. Stri ter ends or rec	payou pads have uss to trus n accorda al Code se ced stand gbacks, o ued to eac ongbacks estrained h t truss ba	e been conside ss connections ance with the 2 ections R502.1 ard ANSI/TPI n edge, space th truss with 3- to be attached by other means ckwards.	red for 018 1.1 and 1. d at 10d d to walls s.	5							,		NATHANIEL FOX PE-2022042259 SIONAL ENGINE May 24,2023
	IING - Verify desi	an paramete					EFERENCE PAGE MIL	7473 rov 5	19/20201					



						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	Plv		AS NOTED FOR PLAN REVIEW
366	11035	Truss Type	QUY	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F61	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3195624/21023 ID:ZOKuuPCCdrTMB65G76SuzvzIFwt-RfC?PsB70Hq3NSgPqnL8w3uITXb6KWrCDore4Su24



Scale = 1:39.8

Plate Offsets (X, Y): [5:0-1-8,Edge], [9:Edge,0-0-12], [10:0-1-8,0-0-12], [11:0-1-8,0-0-12], [12:0-1-8,0-0-12]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.24	Vert(LL)	-0.01	7-8	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.04	7-8	>999	720		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 51 lb	FT = 20%F, 11%E

Dead + Floor Live (balanced): Lumber Increase=1.00,

LOAD CASE(S) Standard

Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 6-9=-13, 1-5=-113 Concentrated Loads (lb) Vert: 1=-1000 (F)

1)

LUMBER									
TOP CHORD	2x4 SP 2400F 2.0E(flat)								
BOT CHORD	2x4 SP 2400F 2.0E(flat)								
WEBS	2x4 SP No.2(flat)								
OTHERS	2x4 SP No.2(flat)								
BRACING									
TOP CHORD	Structural wood sheathing directly applied or								
	6-0-0 oc purlins, except end verticals.								
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc								
	bracing.								
REACTIONS	(size) 6=0-2-3, 8=0-4-15								
	Max Grav 6=431 (LC 4), 8=1743 (LC 1)								
FORCES	(Ib) - Maximum Compression/Maximum								
	Tension								
TOP CHORD	1-9=-29/0, 5-6=-422/0, 1-2=0/704, 2-3=0/704,								
	3-4=-580/0, 4-5=-580/0								

WEBS NOTES

BOT CHORD

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

8-9=0/0, 7-8=-275/452, 6-7=0/19

2-8=-260/0, 1-8=-1224/0, 3-8=-927/0, 3-7=0/324, 4-7=-321/0, 5-7=0/640

- Provide mechanical connection (by others) of truss to 2) bearing plate at joint(s) 6.
- 3) 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards. Hanger(s) or other connection device(s) shall be 6)
- provided sufficient to support concentrated load(s) 1000 Ib down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face 7) of the truss are noted as front (F) or back (B).





						RELEASE FOR CONSTRUCTION
lob	Truce		Otv	Plv		AS NOTED FOR PLAN REVIEW
566	11035	Truss Type	Qly	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F62	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125, 424/20:23 ID:GmtqrCv9HTRmIQGfj40G?rzIFxF-RfC?PsB70Hq3NSgPqnL8w3uITXbGK VrCDoi794201



Scale = 1:39.8

Plate Offsets (X, Y): [7:Edge,0-0-12], [8:0-1-8,0-0-12], [9:0-1-8,0-0-12], [10:0-1-8,0-0-12]

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2018	J/TPI2014	CSI TC BC WB Matrix-P	0.26 0.13 0.17	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.05 0.00	(loc) 5-6 5-6 5	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 37 lb	GRIP 244/190 FT = 20%F,	11%E
LUMBER TOP CHORD 2x- BOT CHORD 2x- WEBS 2x- OTHERS 2x- BRACING TOP CHORD Stu BRACING TOP CHORD Stu Arr REACTIONS (size Max FORCES (lb TOP CHORD 1-7 3-7 BOT CHORD 6-7 WEBS 2-6 3-7 NOTES 1) Unbalanced flo this design. 2) Provide mecha bearing plate a 3) Provide mecha bearing plate a 1) Unbalanced flo this design. 2) Provide mecha bearing plate a 3) Provide mecha bearing plate a 1) Unbalanced flo this truss is de International R R802.10.2 and 5) Recommend 2 10-00-00 cc ar (0.131" X 3") n at their outer ei 6) CAUTION, Do	4 SP 2400F 2.0E(4 SP 2400F 2.0E(4 SP 2400F 2.0E(4 SP No.2(flat) 4 SP No.2(flat) 4 SP No.2(flat) ructural wood shea 0-0 oc purlins, exc gid ceiling directly acing. e) 5=0-2-3, 6 (c) Uplift 5=-89 (LC (c) Grav 5=236 (LC) - Maximum Com nsion 7=-35/0, 4-5=-106/ 4=-5/0 7=0/0, 5-6=-260/15 6=-247/0, 1-6=-12 ⁻ 5=-214/300 bor live loads have unical connection (apable of withstar esigned in accorda esidential Code se referenced standar x6 strongbacks, on d fastened to eac ails. Strongbacks not erect truss bac	flat) flat) flat) athing directly applied cept end verticals. applied or 6-0-0 oc s=0-4-15 3) C 4), 6=1645 (LC 1) pression/Maximum /0, 1-2=0/699, 2-3=0/ 02 16/0, 3-6=-726/0, been considered for by others) of truss to by others) of truss to ince with the 2018 actions R502.11.1 and ard ANSI/TPI 1. n edge, spaced at h truss with 3-10d to be attached to wa by other means. ckwards.	7) 8) I or LO 1) 699, nt d	Hanger(s) or provided suff Ib down at 0 such connect In the LOAD of the truss a AD CASE(S) Dead + Floo Plate Increa Uniform Loa Vert: 5-7= Concentrate Vert: 1=-	other connection of icient to support co -2-4 on top chord. ion device(s) is the CASE(S) section, 1 re noted as front (F Standard or Live (balanced): se=1.00 ads (lb/ft) =-13, 1-4=-113 ad Loads (lb) 1000 (F)	device(s oncentra The de e respor loads ar F) or bar Lumber) shall be ted load(s) 1 sign/selection sibility of oth piled to the tech ck (B). Increase=1.	000 n of hers. face 00,		-		STATE OF M NATHA FOI PE-20220	AISSOLIA NIEL SER 042259	

May 24,2023



						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
366	11035	Tuss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F63	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 ID:fatYLq5EIMVqx5S	2022 Print: 8 GQunyeOzE	.630 S Nov 1 FX0-RfC?Ps	9 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbGI	ue May 3195/424/2923 WrCDoi w42927

0-1-8 0-10-2 H 2-3-1 0-1-8 H 4x4 = 4x6 = 1.5x4 = 1.5x4 = 1.5x4 **I** 3 2 Ĩ 1-6-0 1-6-0 6 \$ Ø 5 1.5x4 = 3x8 = 1.5x4 🛚 4x4 = 1-1-2 0-1-8 1-3-9 ↓____↓ → 2-ε 3-8-10

2-5-1 1-8 0-2-8 0-11-10 0-1-8

Scale = 1:38.8

Plate Offsets (X	K, Y): [1:Edge,0-1-8]	, [2:0-1-8,Edge], [5:0	-1-8,Edge],	[6:Edge,0-0-7	12], [7:0-1-8,0-0-	-12], [8:0-1	-8,0-0-12], [9	9:0-1-8,0-0	0-12]				
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 NO IRC2018	J/TPI2014	CSI TC BC WB Matrix-P	0.31 0.07 0.34	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 4-5 4-5 4	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS (2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood shu 3-8-10 oc purlins, or Rigid ceiling directli bracing. (size) 4=0-3-3, Max Uplift 4=-563 ((flat) (flat) except end verticals. y applied or 6-0-0 oc 5=0-4-15 LC 3)	LO 1) ed or	AD CASE(S) Dead + Flo Plate Increa Uniform Lo Vert: 4-6 Concentrat Vert: 1=-	Standard or Live (balance ase=1.00 ads (lb/ft) =-13, 1-3=-113 ed Loads (lb) 1500 (F)	ed): Lumber	r Increase=1	.00,					
 FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalanced this design. 2) Provide me bearing plat joint 4. 3) This truss is Internationa R802.10.2 is 4) Recomment 10-00-00 od (0.131" X 3 at their oute 5) CAUTION, 6) Hanger(s) so provided so lb down at 	Max Grav 4=-80 (L (Ib) - Maximum Cor Tension 1-6=-17/0, 3-4=-10: 5-6=0/0, 4-5=-1057 2-5=-877/0, 1-5=-1: d floor live loads hav c chanical connection te capable of withsta s designed in accord al Residential Code s and referenced stann nd 2x6 strongbacks, - c and fastened to ea ") nails. Strongbacks re ends or restrained Do not erect truss b or other connection of ufficient to support co 0-2-4 on top chord.	C 4), 5=2395 (LC 1) npression/Maximum 9/0, 1-2=0/1057, 2-3= /0 338/0, 2-4=0/1214 e been considered for (by others) of truss t inding 563 lb uplift at lance with the 2018 sections R502.11.1 a dard ANSI/TPI 1. on edge, spaced at ch truss with 3-10d s to be attached to w by other means. ackwards. levice(s) shall be oncentrated load(s) 1 The design/selection	=-5/0 or nd alls									A TE OF NATH FO PE-2022	MISSOLUTION ANIEL M BER 042259

May 24,2023



4	WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component
	Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:31.4

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

		1		-								
Loading TCLL	(psf) 60.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.19	DEFL Vert(LL)	in -0.01	(loc) 6-7	l/defl >999	L/d 720	PLATES MT20	GRIP 244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.08	6-7	>999	720	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 74 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2.0E(flat)										
BOT CHORD	2x4 SP 2400F 2.0E(flat)										
WEBS	3S 2x4 SP No.2(flat)											
OTHERS	S 2x4 SP No.2(flat)											
BRACING												
TOP CHORD	² CHORD Structural wood sheathing directly applied or 0.0.0 executions events and event and events.											
	6-0-0 oc purlins, except end verticals.											
BOT CHORD	IRD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS	(size) 7=0-2-3, 9	9=0-7-8										
	Max Grav 7=528 (LC	C 1), 9=531 (LC 1)										
FORCES	IRCES (Ib) - Maximum Compression/Maximum											
TOP CHORD	1-7=-140/0, 5-8=0/8	, 4-8=-44/0, 1-2=0/0,										
	2-3=-8/6/0, 3-4=-8/	6/U										
BOLCHORD	6-7=0/754, 5-6=0/45											
WEB5	2-7=-835/0, 2-6=0/1, 4-6=0/892, 4-9=-512	2/0										
NOTES	,											
1) All plates a	are MT20 plates unles	s otherwise indicated	4									
2) Bearing at	ioint(s) 9 considers pa	arallel to grain value										
using ANS	I/TPI 1 angle to grain	formula. Building										The
designer s	hould verify capacity c	of bearing surface.									ALE	A December of the second se
3) Provide me	echanical connection ((by others) of truss to)								BEF. OF I	NISS D
bearing pla	ate at joint(s) 7.									4	A	A STA
This truss i	is designed in accorda	ance with the 2018								H	NATHA	NIEL YP. V
Internation	al Residential Code se	ections R502.11.1 ar	nd							R	FO	X V V
R802.10.2	and referenced stand	ard ANSI/TPI 1.								71		
5) Recommen	nd 2x6 strongbacks, o	n edge, spaced at								an	Tilling	1 130
(0.121" X 2	C and lastened to eac	to be attached to wr								V I	Allania	1 Sland
at their out	(0.131° X 3) hails. Strongbacks to be attached to wails									BER C		
6) CAUTION	. Do not erect truss ba							N	ON PE-2022	042259 / 5 8		
LOAD CASE	Standard									N	18	18A
											O'Ser-	TNO'B
											WNA NA	LEY
											1000	55

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



May 24,2023

						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
566	11035	Thuss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F65	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125.524/20:23 ID:JriDIuTZIPvt_tWkcWNpXFzIFxp-RfC?PsB70Hq3NSgPqnL8w3uITXbGKW CDoi7J4scC





Scale = 1:31.4

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

Loading TCLL	(ps 60.	SpacingPlate Grip DOL	1-4-0 1.00	CSI TC	0.29	DEFL Vert(LL)	in 0.00	(loc) 4	l/defl >999	L/d 720	PLATES MT20	GRIP 244/190
TCDL	25.	0 Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.12	4-5	>557	720		
BCLL	0.	0 Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	1	n/a	n/a		FT 000/ F 440/ F
BCDL	10.	U Code	IRC2018/1PI2014	Matrix-P							weight: 52 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2	.0E(flat)										
BOT CHORD	2x4 SP 2400F 2	.0E(flat)										
WEBS	2x4 SP No.2(flat)										
OTHERS	2x4 SP No.2(flat)										
BRACING												
TOP CHORD	Structural wood	sheathing directly appli	ied or									
	6-0-0 oc purlins,	except end verticals.										
BOT CHORD	Rigid ceiling dire	ectly applied or 10-0-0 c	C									
	bracing.											
REACTIONS	(size) 5=0-2	-3, 7=0-7-8										
	Max Grav 5=359	9 (LC 1), 7=362 (LC 1)										
FORCES	(lb) - Maximum	Compression/Maximum	l									
	Tension											
TOP CHORD	1-5=-128/0, 4-6=	=0/201, 3-6=0/183, 1-2=	=0/0,									
	2-3=-3770											
WEBS	2-5=-455/0 2-4	-391/0 3-7=-358/0										
NOTES	20 100/0,21	000,0,01 000,0										
1) Rearing at	ioint(s) 7 conside	s parallel to grain value	2									
using ANS	I/TPI 1 angle to g	ain formula Building	,									
designer st	hould verify capac	ity of bearing surface.										
 Provide me 	echanical connect	ion (by others) of truss	to									Th
bearing pla	te at joint(s) 5.	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									A	and
3) This truss i	s designed in acc	ordance with the 2018									B.F. OF I	NISS W
Internationa	al Residential Co	le sections R502.11.1 a	and							4	9.0	N'S
R802.10.2	and referenced s	andard ANSI/TPI 1.								H	NATHA	NIEL YP. V
Recommer	nd 2x6 strongback	s, on edge, spaced at								R	FO	X / X
10-00-00 o	c and fastened to	each truss with 3-10d								n.		
(0.131" X 3	3") nails. Strongb	acks to be attached to v	valls							21		1 1 1
at their out	er ends or restrail	hed by other means.								N.	The Albana	
5) CAUTION,	Do not erect trus	s backwards.								23	YV Y YKM	BER
LUAD CASE(S	5) Standard									N	O PE-2022	042259
										N	AL.	1×1



May 24,2023



							RELEASE FOR CONSTRUCTION	
Job	Truss	Truss Type		Qtv	Plv		AS NOTED FOR PLAN REVIEW	
000		11466 1900		ς.,	,		DEVELOPMENT SERVICES 158528004	
P210577 - Floor	F66	Floor		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI	
Premier Building Supply (Springh	hill, KS), Spring Hills, KS - 66083,	R	Run: 8.63 S Nov 19 2	2022 Print: 8.	630 S Nov 1	9 2022 MiTek Industries, Inc.		
		I	D:yW_LdPp7f4Sq0x1	GKcSTQEz	EFdr-RfC?Ps	sB70Hq3NSgPqnL8w3uITXbG		



VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY SUPPORTS (BEARINGS).

0-9-9 0-8-2



1-6-0



3

」4.52 12

Scale =	1:31.8
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Plate Offsets (X, Y): [1:0-1-8,0-2-8], [2:0-7-8,Edge]

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.07	Vert(LL)	0.00	4	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.12	Vert(CT)	-0.06	3	>678	720	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 31 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	3-9-6 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 4=0-3-3, 5=0-7-8
	Max Grav 4=202 (LC 1), 5=194 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-4=-182/0, 1-2=-28/0, 2-5=-194/0
BOT CHORD	3-4=0/0
WEBS	2-4=0/31

NOTES

1) All plates are MT20 plates unless otherwise indicated.

2) Bearing at joint(s) 5 considers parallel to grain value

- using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 3) 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



MITEK 16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
lob	Trues		Otv	Phy		AS NOTED FOR PLAN REVIEW
305	11035	Thuss Type	Quy	I IY		DEVELOPMENT SERVICES
P210577 - Floor	F67	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 31256524/2623 ID:UKipBmNUBSRoZu3EnvEUL3zIFzE-RfC?PsB70Hq3NSgPqnL8w3uITXb4 KWrCDor 4.2027



GRIP

Weight: 28 lb

244/190

FT = 20%F, 11%E





3x6 =

1.5x4 u



0-9-0	3-1-3
0-9-0	2-4-3

Scale = 1:27.6

Plate Offsets (X, Y)	Plate Offsets (X, Y): [1:0-1-8,Edge], [4:Edge,0-0-12]											
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	
TCLL	60.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	0.00	4	>999	720	MT20	
TCDL	25.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	0.00	3-4	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		

Matrix-P

0-9-9 1-6-0

IRC2018/TPI2014

1-6-0

L	U	M	B	E	R

BCDL

LOWIDER		
TOP CHORD	2x4 SP 2400F 2.0E(flat)	
BOT CHORD	2x4 SP 2400F 2.0E(flat)	
WEBS	2x4 SP No.2(flat)	
OTHERS	2x4 SP No.2(flat)	
BRACING		
TOP CHORD	Structural wood sheathing directly	applied or
	3-1-3 oc purlins, except end vertica	als.
BOT CHORD	Rigid ceiling directly applied or 10-0	0-0 oc
	bracing.	
REACTIONS	(size) 3= Mechanical, 6=0-6-12	2
	Max Grav 3=156 (LC 1), 6=160 (LC	21)
FORCES	(lb) - Maximum Compression/Maxir	mum
	Tension	
TOP CHORD	4-5=0/14, 1-5=-2/0, 2-3=-133/0, 1-2	2=0/0
BOT CHORD	3-4=0/18	
WEBS	1-3=-20/0, 1-6=-154/0	

10.0

Code

NOTES

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

Bearing at joint(s) 6 considers parallel to grain value 2) using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

3) 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.

Recommend 2x6 strongbacks, on edge, spaced at 4) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
lob	Trues	Truss Type	Otv	Plv		AS NOTED FOR PLAN REVIEW
305	11035	Thuss Type	QUY	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F68	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
			-			

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 31256524/2623

6x6 =

M18AHS 6x18 =

0-9-0

3x6 =

Scale = 1:28.7

Plate Offsets (X, Y): [1:0-7-8,Edge], [3:0-3-0,Edge], [6:Edge,0-0-12]

1-6-0

		1										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	0.00	5-6	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.01	5-6	>999	720	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 40 lb	FT = 20%F, 11%E
											-	
LUMBER												
TOP CHOR	D 2x4 SP 2400F 2.0E(flat)										
BOT CHOR	D 2x4 SP 2400F 2.0E(flat)										
WEBS	2x4 SP No.2(flat)											
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHOR	D Structural wood she	athing directly applie	ed or									
	4-5-3 oc purlins, ex	cept end verticals.										
BOT CHOR	D Rigid ceiling directly	applied or 10-0-0 o	С									
	bracing.											
REACTION	S (size) 4= Mecha	anical, 8=0-6-12										
	Max Grav 4=241 (LC	C 1), 8=244 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHOR	D 6-7=0/15, 1-7=-11/0	, 3-4=-243/0, 1-2=-1	71/0,									
	2-3=-171/0											
BOT CHOR	D 5-6=0/26, 4-5=0/0											
WEBS	1-5=0/156, 2-5=-271	/0, 3-5=0/299,										
	1-8=-235/0											
NOTES												
1) All plate	s are MT20 plates unles	s otherwise indicate	d.									
2) Refer to	girder(s) for truss to trus	ss connections.										
3) Bearing	at joint(s) 8 considers pa	arallel to grain value										Th
using A	NSI/TPI 1 angle to grain	formula. Building									GOE	AL AL
designe	r should verify capacity c	of bearing surface.									R.F. OF I	NISS W
4) This tru	ss is designed in accorda	ance with the 2018								L	- M	NUS
International Residential Code sections R502.11.1 and							NIEI XP.V					

R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

May 24,2023

M18AHS 6x18 =

3x10 u

3x6 =

Scale = 1:27.6

Plate Offsets (X, Y): [1:0-7-8,Edge], [3:0-3-0,Edge], [6:Edge,0-0-12]

1-6-0

				•									
Loa TCL	i ding _L	(psf) 60.0 25.0	Spacing Plate Grip DOL	1-4-0 1.00 1.00	CSI TC BC	0.13	DEFL Vert(LL)	in 0.00 -0.01	(loc) 5	l/defl >999	L/d 720 720	PLATES MT20 M18AHS	GRIP 244/190 186/179
		20.0	Bon Stross Incr	VES	WP	0.00		0.01	00	>000 n/o	n/o	10110/110	100/113
		10.0	Codo		Motrix D	0.12	11012(01)	0.00	4	n/a	ıı/a	Waight: 40 lb	ET _ 200/ E 110/ E
BUL	JL	10.0	Code	IKG2010/1F12014	IVIAULIX-F							Weight. 49 lb	FT = 2076F, TT76E
LUN	IBER												
TOF	P CHORD	2x4 SP 2400F 2.0E(flat)										
BOT	T CHORD	2x4 SP 2400F 2.0E(flat)										
WEI	BS	2x4 SP No.2(flat)	,										
OTH	HERS	2x4 SP No.2(flat)											
BR/	ACING												
TOF	P CHORD	Structural wood she	athing directly applie	ed or									
		5-9-3 oc purlins, ex	cept end verticals.										
BOT	T CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
		bracing.											
RE/	ACTIONS	(size) 4= Mecha	anical, 8=0-6-12										
		Max Grav 4=325 (LC	C 1), 8=329 (LC 1)										
FOF	RCES	(lb) - Maximum Com	pression/Maximum										
		Tension	-										
TOF	P CHORD	6-7=0/15, 1-7=-14/0	, 3-4=-314/0, 1-2=-3	66/0,									
		2-3=-366/0											
BOI	T CHORD	5-6=0/30, 4-5=0/0											
WE	BS	1-5=0/364, 2-5=-310	0/0, 3-5=0/421,										
		1-8=-317/0											
NOT	TES												
1)	All plates a	are MT20 plates unles	s otherwise indicate	d.									
2)	Refer to gi	irder(s) for truss to trus	ss connections.										
3)	Bearing at	i joint(s) 8 considers pa	arallel to grain value									000	TOP
	using ANS	SI/TPL1 angle to grain	tormula. Building									8 OF M	ALC. D
4	designer s	nould verify capacity c	of bearing surface.									FRE	080.0
4)	I his truss	is designed in accorda	ance with the 2018	a al							6	AN'	N.S.Y
	International Residential Code sections R502.11.1 and									NIEL			

R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

May 24,2023

EVIEW ICES
ICES
JURI
23





Scale = 1:29.6

1-6-0

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.04	Vert(LL)	-0.01	7	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.06	7	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 58 lb	FT = 20%F, 11%E

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 1=0-6-12, 5= Mechanical
	Max Grav 1=407 (LC 1), 5=417 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	4-5=-34/0, 1-2=-600/0, 2-3=-600/0, 3-4=0/0,
	1-8=0/0
BOT CHORD	6-7=0/0, 5-6=0/334
WEBS	1-6=0/652, 2-6=-327/0, 3-6=0/297,
	3-5=-496/0

NOTES

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

- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and 2) R802.10.2 and referenced standard ANSI/TPI 1.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



-6-0

May 24,2023



MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.04 0.16 0.24	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.06 0.01	(loc) 7 5-6 5	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 67 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat) flat)										
TOP CHORD	Structural wood shea 6-0-0 oc purlins, exo Rigid ceiling directly bracing.	athing directly applie cept end verticals. applied or 10-0-0 or	ed or c									
REACTIONS	(lb/size) 5=502/ Me	echanical, 8=492/0-0	6-12									
FORCES	(lb) - Max. Comp./Ma (lb) or less except with the second	ax. Ten All forces hen shown.	250									
TOP CHORD BOT CHORD WEBS	1-2=-796/0, 2-3=-790 5-6=0/672 1-6=0/866, 2-6=-333	6/0, 1-8=-492/0 6/0, 3-5=-755/0										
NOTES	rder(e) for this of the true											

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

- Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 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.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
lob	Truce		011/	DIV		AS NOTED FOR PLAN REVIEW
000	Truss	Truss Type	Quy	гіу		DEVELOPMENT SERVICES
P210577 - Floor	F72	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
•	-					

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3125524/2023 ID:_c?1q86FBZLTmg?PmHyAuCzEFhK-RfC?PsB70Hq3NSgPqnL8w3uITXb KWrCDbrJ20222



9-4-4

Scale =	1:28.1
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Plate Offsets (X, Y): [1:Edge,0-0-12], [9:0-1-8,0-0-12]

	· J · / · ·												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	-0.02	7-8	>999	720	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.07	7-8	>999	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 52 lb	FT = 20%F, 11%E	
LUMBER													

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 6= Mechanical, 8=0-3-3
	Max Gray 6-577 (LC 1) 8-570 (LC 1)
	101ax Grav = 0 = 577 (LC T), 0 = 570 (LC T)
FORCES	(lb) - Maximum Compression/Maximum
FORCES	(Ib) - Maximum Compression/Maximum Tension
FORCES	(lb) - Maximum Compression/Maximum Tension 1-8=-116/0, 5-6=-40/0, 1-2=-5/0, 2-3=-1001/0,
FORCES	(lb) - Maximum Compression/Maximum Tension 1-8=-116/0, 5-6=-40/0, 1-2=-5/0, 2-3=-1001/0, 3-4=-1001/0, 4-5=0/0
FORCES TOP CHORD BOT CHORD	(lb) - Maximum Compression/Maximum Tension 1-8=-116/0, 5-6=-40/0, 1-2=-5/0, 2-3=-1001/0, 3-4=-1001/0, 4-5=0/0 7-8=0/817, 6-7=0/511
FORCES TOP CHORD BOT CHORD WEBS	(lb) - Maximum Compression/Maximum Tension 1-8=-116/0, 5-6=-40/0, 1-2=-5/0, 2-3=-1001/0, 3-4=-1001/0, 4-5=0/0 7-8=0/817, 6-7=0/511 2-8=-916/0, 2-7=0/208, 3-7=-286/0,

NOTES

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

- 2) 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.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
leb	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Thuss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F73	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. Tue May 3165624/2023 ID:9SemZ52UbjbJ2IXGQ0rmexzEFhQ-RfC?PsB70Hq3NSgPqnL8w3uITXbGkWrCDonv4294f



Scale = 1:28.3

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

Loading	(psf)	Spacing	1-4-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.03	7	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.08	6-7	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 57 lb	FT = 20%F, 11%E

10-8-4

TOP CHORD BOT CHORD	2x4 SP 2400F 2.0E(flat) 2x4 SP 2400F 2.0E(flat)
OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 6= Mechanical, 8=0-3-3
REACTIONS	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1)
FORCES	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum
REACTIONS FORCES	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (Ib) - Maximum Compression/Maximum Tension
FORCES TOP CHORD	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-8=-115/0, 5-6=-122/0, 1-2=-5/0,
REACTIONS FORCES TOP CHORD	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-8=-115/0, 5-6=-122/0, 1-2=-5/0, 2-3=-1318/0, 3-4=-1318/0, 4-5=0/0
FORCES TOP CHORD BOT CHORD	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-8=-115/0, 5-6=-122/0, 1-2=-5/0, 2-3=-1318/0, 3-4=-1318/0, 4-5=0/0 7-8=0/982, 6-7=0/1000
REACTIONS FORCES TOP CHORD BOT CHORD WEBS	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-8=-115/0, 5-6=-122/0, 1-2=-5/0, 2-3=-1318/0, 3-4=-1318/0, 4-5=0/0 7-8=0/982, 6-7=0/1000 2-8=-1103/0, 2-7=0/381, 3-7=-266/0,
REACTIONS FORCES TOP CHORD BOT CHORD WEBS	(size) 6= Mechanical, 8=0-3-3 Max Grav 6=661 (LC 1), 8=654 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-8=-115/0, 5-6=-122/0, 1-2=-5/0, 2-3=-1318/0, 3-4=-1318/0, 4-5=0/0 7-8=0/982, 6-7=0/1000 2-8=-1103/0, 2-7=0/381, 3-7=-266/0, 4-7=0/361, 4-6=-1124/0

NOTES

- 1) Refer to girder(s) for truss to truss connections.
- 2) 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.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



							RELEA	SE FOR CONSTRUCTION	
Job	Truss	Truss Type		Qty	Ply		AS NO		
P210577 - Floor	F74	Floor		1	1	Job Reference (optional	158528012 LEE'S SUMMIT, MISSOURI		
Premier Building Supply (Sp	ringhill, KS), Spring Hills, KS - 660	983,	Run: 8.63 S Nov 19 ID:pVrtWO_LmBz1x_	2022 Print _fldTFbxuz	: 8.630 S Nov EFhV-RfC?Ps	19 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbGK	ue May 23195 NrCDoi7542591	24/2023	
	2-6-0)							
	0-1-8 -								
	1.5x4 u					1-3-	4		
	1.5x4 =	3x4 =	1.5x4 u		3x3 =	1.5x4 u	4x6 =		
1-6-0		2	3		4	5	6	1-6-0	
	3x6 =		3x6 =			4x6 =	3x3 II		
			12-0-4						

12-0-4

Scale = 1:28.3

Plate Offsets (X, Y): [1:Edge,0-0-12], [11:0-1-8,0-0-12]

				-								
Loading TCLL	(psf) 60.0	Spacing Plate Grip DOL	1-4-0 1.00	CSI TC	0.19	DEFL Vert(LL)	in -0.04	(loc) 8-9	l/defl >999	L/d 720	PLATES MT20	GRIP 244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.09	9-10	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		- (-)					Weight: 66 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2.0E(flat)										
BOT CHORD	2x4 SP 2400F 2.0E	flat)										
WEBS	2x4 SP No.2(flat)											
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood shea	athing directly applie	ed or									
	6-0-0 oc purlins, exe	cept end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	с									
	bracing.											
REACTIONS	(size) 7= Mecha	nical, 10=0-3-3										
	Max Grav 7=746 (LC	C 1), 10=738 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
	Tension											
TOP CHORD	1-10=-116/0, 6-7=-74	48/0, 1-2=-5/0,										
	2-3=-1635/0, 3-4=-1	635/0, 4-5=-740/0,										
	5-6=-740/0											
BOT CHORD	9-10=0/1140, 8-9=0/	1468, 7-8=0/0										
WEBS	2-10=-1281/0, 2-9=0	3/562, 3-9=-277/0,										
	4-9=0/190, 4-0=-020	0, 5-6=-255/0,										
NOTES	0-0=0/1018											
NUIES	inder(a) for truco to truco											
1) Relef to g	inder(s) for truss to trus	s connections.									San	alle
Internation	International Designed in accuration with the 2010											
R802.10 2	and referenced stand	ard ANSI/TPI 1								1	750	1,0°
3) Recomme	and 2x6 strongbacks. o	n edge, spaced at								A	N/ MARTIN	New York
10-00-00	oc and fastened to eac	h truss with 3-10d								4	S/ NATHA	UNIEL VY
(0.131" X	3") nails. Strongbacks	to be attached to w	alls							MA	FO	X
at their ou	iter ends or restrained l							H	IF TAN			

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
lob	Trucc		Otv	DIV		AS NOTED FOR PLAN REVIEW
500	Tuss	Truss Type		FIY		DEVELOPMENT SERVICES
P210577 - Floor	F75	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Dramiar Building Supply (Spring	hill KS) Spring Hills KS 66083	Bup 862 C Nov 10	0000 D-: 0	000 C Nev 4	0.0000 MiTak ladvetries, las	





12-1-13

Scale = 1:28.3

Plate Offsets (X, Y): [1:Edge,0-0-12], [11:0-1-8,0-0-12]

Loading TCLL TCDL	(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.20 0.22	DEFL Vert(LL) Vert(CT)	in -0.04 -0.09	(loc) 8-9 9-10	l/defl >999 >999	L/d 720 720	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		- (-)					Weight: 66 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	flat) flat)										
BRACING												
TOP CHORD	Structural wood sheat 6-0-0 oc purlins, exc	athing directly applie cept end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or										
REACTIONS	(size) 7= Mecha Max Grav 7=754 (LC	nical, 10=0-4-4 C 1), 10=747 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	2-3=-1666/0, 3-4=-1666/0, 4-5=-803/0, 5-5=-803/0											
BOT CHORD	9-10=0/1156, 8-9=0/	1514, 7-8=0/0										
WEBS	2-10=-1299/0, 2-9=0 4-9=0/173, 4-8=-807	0/579, 3-9=-277/0, 7/0, 5-8=-261/0,										

6-8=0/1062

NOTES

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

 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.

3) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - Floor	F76	Floor	1	1	Job Reference (optional	158528014 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Sp	oringhill, KS), Spring Hills, KS - 66083,	Run: 8.63 S_Nov 19 ID:v9ryjPU0bQVj2L	2022 Print 5DQp4ukm	: 8.630 S Nov zIGA?-RfC?Ps	19 2022 MiTek Industries, Inc. B70Hq3NSgPqnL8w3uITXbGK	ue May 19185/24/2023 WrCDoi754291
		2-6-0		0	-1-8 	
		0-1-8 		0-8-2		
		1.5x4 u		1.	5x4 =	
		1.5x4 = 3x3 =		3) 1 5×4 #	(3 =	
	-	1 2		3 8	4 9a —	
	1-6-0					
		3x6 =		3x6 =		
					3×3 -	



Scale = 1:31.7

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

Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	0.00	6-7	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.06	6-7	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 38 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP 2400F 2.0E(flat)										
BOT CHORD	2x4 SP 2400F 2.0E(flat)											
WEBS	2x4 SP No.2(flat)											
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD	Structural wood she	athing directly applie	ed or									
	6-0-0 oc purlins exc	cept end verticals										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
	bracing		-									
REACTIONS	(size) 5-0-5-0 7	7-0-4-4										
REAGINGING	(3120) 5=0 5 0, 7 Max Grave 5=276 (1.0	(-0 + +)										
		5 1), 7=370 (LC 1)										
FORCES	(lb) - Maximum Compression/Maximum											
	Tension											
TOP CHORD	1-7=-114/0, 4-5=-41	3/0, 1-2=-5/0, 2-3=-2	262/0,									
	3-4=-262/0											

BOT CHORD 6-7=0/453, 5-6=0/19 WEBS 2-7=-506/0, 2-6=-217/0, 3-6=-225/0, 4-6=0/482

NOTES

- 1) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
loh	Trues		Otv	DIV		AS NOTED FOR PLAN REVIEW
366	11035	Truss Type	Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F77	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
	•					00/01/0000

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3195524/2023 ID:00bRu2RVXB?HakoSBz0yawzIGA3-RfC?PsB70Hq3NSgPqnL8w3ulTXbgKWrCDor JSdc?





3x6 =

Scale = 1:31

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,0-0-12], [7:0-1-8,0-0-12]

1-6-0

	ale Olisela (X, T). [1.Luge,0-0-12], [0.0-1-0,0-0-12], [1.0-1-0,0-0-12]												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.02	4-5	>999	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 24 lb	FT = 20%F, 11%E	
- UMBER OP CHORD 2x4 SP 2400F 2.0E(flat) 30T CHORD 2x4 SP 2400F 2.0E(flat)													

BOT CHORD	2X4 SP 24	00F 2.0E(flat)
WEBS	2x4 SP No	p.2(flat)
OTHERS	2x4 SP No	p.2(flat)
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	3-7-10 oc	purlins, except end verticals.
BOT CHORD	Rigid ceili	ng directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=0-5-0, 5=0-4-4
	Max Grav	4=207 (LC 1), 5=207 (LC 1)
FORCES	(lb) - Maxi	mum Compression/Maximum
	Tension	•
TODOLODD		

TOP CHORD	1-5=-117/0, 3-4=0/64, 1-2=-5/0, 2-3=0/3
BOT CHORD	4-5=0/135
WEBS	2-5=-146/0, 2-4=-284/0

NOTES

- 1) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
loh	Truce		Otv	Plv		AS NOTED FOR PLAN REVIEW
300	11035		Quy	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F78	Floor	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
-	-					

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. tue May 3125/24/20:23 ID:lemx9KS4HDWZYi3rj8iyVSzIGLf-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKVrCDoi7Jz2007/24/20:23

-9-0





1-6-0



6x6 =

Scale = 1:28.3

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

Loading TCLL TCDL	(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.19 0.06	DEFL Vert(LL) Vert(CT)	in n/a -0.01	(loc) - 4-5	l/defl n/a >999	L/d 999 720	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood shea	flat) flat) athing directly applie	ed or									
BOT CHORD	3-3-14 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing											
REACTIONS	(size) 4= Mechanical, 5=0-5-0 Max Grav 4=195 (LC 1), 5=188 (LC 1)											
FORCES	(Ib) - Maximum Compression/Maximum Tension											
TOP CHORD	1-5=-116/0, 3-4=0/144, 1-2=-5/0, 2-3=0/0											

BOT CHORD 4-5=0/104 WFBS 2-5=-112/0, 2-4=-335/0

NOTES

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

2) 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. 3) Recommend 2x6 strongbacks, on edge, spaced at

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
lob	Trues	Truce Type	Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Truss Type	Quy	I IY		DEVELOPMENT SERVICES
P210577 - Floor	F79	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 31 35 8724/20:23 ID:dbQAIFubLnbEPTzpSmMw5YzIGMO-RfC?PsB70Hq3NSgPqnL8w3ulTXtsKWrCD91326724/20:23



Scale = 1:28.1	
----------------	--

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

,	.,	1,1										
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.11 0.01 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a 0.00 n/a	(loc) - 3-4 -	l/defl n/a >999 n/a	L/d 999 720 n/a	PLATES MT20 Weight: 16 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	(flat) (flat)										
BRACING TOP CHORD BOT CHORD	 Structural wood sheathing directly applied or 1-11-14 oc purlins, except end verticals. RD Rigid ceiling directly applied or 10-0-0 oc 											
REACTIONS	(size) 3= Mecha Max Grav 3=110 (L0	anical, 4=0-5-0 C 1), 4=103 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD BOT CHORD WEBS	1-4=-95/0, 2-3=-99/0 3-4=0/0 2-4=0/6	0, 1-2=-4/0										
NOTES 1) Refer to gin 2) This truss i	rder(s) for truss to trus is designed in accorda	ss connections. ance with the 2018 ections R502 11 1 a	nd									

R802.10.2 and referenced standard ANSI/TPI 1.
Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls

at their outer ends or restrained by other means.

CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



MITEK 16023 Swingley Ridge Rd Chesterfield, MO 63017



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 preven tbuckling 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 sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

16023 Swingley Ridge Rd Chesterfield, MO 63017

													RELEASE FOR CONSTRU	CTION
Job		Truss		Truss Ty	ре		Qty	Ply					AS NOTED FOR PLAN RE DEVELOPMENT SERVI	CES
P210577 - F	Floor	F81		Floor			11	1	Job	Refere	nce (opt	ional	I58528019 LEE'S SUMMIT, MISSO	URI
Premier Building	g Supply (Spring	hill, KS), S	pring Hills, KS - 66083,	,		Run: 8.63 S Nov 1	9 2022 F	Print: 8.630 S No	ov 19 202	2 MiTek I		, Inc.	ue May 3185/324/29	23
						ID.pB310u4ui111ii	JZT SQJIIV	INZIGRI-RIC (FS	Блондзі	NSGFQIL	.ow5ui1Ai	JGRW		
	2-1-	-6												
	0.1.9													
	U-1-8 H	\vdash	2-6-0			2-0-0							1-10-0	
	7.0													
	7x8 =				3x6 FP			_	3x6 II					
	1.5x4 =	386) II /x8= 3	=	3x6 II	4x6 II 6	4xt 7	3x6 FF	9		7x8 10	5 =	3x6 II / X8 =	
T		- A			· 5		- R	×	- -					T
1-6-0	22				\mathbb{H}		Ľ						13	1-6-0
\perp			1	20	19	18	17		16	15				\perp
	6x6 =	21 6v1	2-	3x6 FP	7x8 =	3×6 "	3x6	6 u	7×8 -				14 6×12 = 3×6 #	
		0.1	2=			570			7.00 =	240 50			5,12 - 5,0	
						10	2 14			3X0 FP				
	L		6-2-6		10-2-14	11-2-14	2-14				22-2-6			
	I		6-2-6	I	4-0-8	1-0-0 1-	0-0				9-11-8		ļ	
Scale = 1:39.9														
Plate Offsets ((X, Y): [1:Edg	e,0-3-0],	[1:0-1-8,0-0-8], [6:0	-3-0,Edge],	[7:0-3-0,Edge	e], [12:0-3-0,Edge], [17:0-3-	0,Edge]						
Loading		(psf)	Spacing	1-4-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES GRIP	
TCLL TCDL		60.0 25.0	Plate Grip DOL Lumber DOL	1.00 1.00		TC BC	0.16 0.34	Vert(LL) Vert(CT)	-0.22 -0.35	17-18 17-18	>999 >748	720 720	MT20 244/190	
BCLL		0.0 10.0	Rep Stress Incr	YES	/TPI2014	WB Matrix-S	0.75	Horz(CT)	0.05	13	n/a	n/a	Weight: 177 lb ET - 20% E 1	1% =
		10.0	oode	6)	Recommend	2x6 strongbacks	n edae	spaced at						1702
TOP CHORD	2x4 SP 240	0F 2.0E(flat)	0)	10-00-00 oc	and fastened to each	h truss	with 3-10d	lle					
WEBS	2x4 SP 240 2x4 SP No.	0F 2.0E(2(flat)	nat)	7)	at their outer	ends or restrained	by othe	r means.	110					
BRACING	2X4 5P INU.	z(nat)		LO	AD CASE(S)	Standard	CRWaru	3.						
TOP CHORD	Structural w 6-0-0 oc pu	/ood shea rlins, exa	athing directly applie cept end verticals.	ed or										
BOT CHORD	Rigid ceiling bracing.	g directly	applied or 10-0-0 or	C										
REACTIONS	(size) 1 Max Grav 1	3= Mech	anical, 22=0-2-12	: 1)										
FORCES	(lb) - Maxim	um Com	pression/Maximum	,										
TOP CHORD	1 ension 1-22=-1377	/0, 12-13	=-1383/0, 1-2=-234	0/0,										
	2-3=-2339/0 6-7=-6029/0), 3-4=-54), 7-9=-53	483/0, 4-6=-5483/0, 370/0, 9-10=-5370/0),										
BOT CHORD	10-11=-208 21-22=0/0,	8/0, 11-1 19-21=0/	2=-2088/0 /4203, 18-19=0/6029	Э,										
	17-18=0/60 13-14=0/0	29, 16-17	7=0/6029, 14-16=0/4	4024,										
WEBS	6-18=-126/ ² 6-19=-1022	151, 7-17 /0. 4-19=	′=-106/170, 357/0. 3-19=0/142	5.										
	3-21=-2073 7-16=-1111	/0, 2-21= /0, 9-16=	-289/0, 1-21=0/265 -349/0, 10-16=0/14	1, 97.									OF MISS	
NOTES	10-14=-215	5/0, 11-1	4=-291/0, 12-14=0/2	2456								Å	ATE OSOCI	X
1) Unbalance	ed floor live lo	ads have	been considered fo	or								A	S NATHANIEL	N.
2) All plates a	n. are 3x6 MT20	unless o	therwise indicated.									ØA	1A _ 5 1	FA
 Refer to gi Provide m 	irder(s) for tru echanical con	ss to trus inection (s connections. by others) of truss to	0								8L	al henrely of the	1
bearing pla 5) This truss	ate at joint(s) is designed ir	22. n accorda	ance with the 2018									N	PE-2022042259	B
Internation R802.10.2	nal Residentia 2 and reference	I Code se ed stand	ections R502.11.1 a ard ANSI/TPI 1.	nd								Q	Tese July	9
													ONAL EL	
													May 24,2023	
•														
WARN WARN	www.verify desig	in paramete	rs and READ NOTES ON	THIS AND INC	LUDED MITEK R	EFERENCE PAGE MII-74	73 rev. 5/	19/2020 BEFORE	USE.					









DEFL

Vert(LL)

Vert(CT)

Horz(CT)

0.16

0.33

0.62

in (loc)

16-17

16-17

12

-0.17

-0.26

0.03

l/defl

>999

>906

n/a n/a

L/d

720

720

PLATES

Weight: 160 lb

MT20

GRIP

244/190

FT = 20%F, 11%E

CSI

тс

BC

WB

Matrix-S

LOAD CASE(S)	Standard

Loading

TCLL

TCDL

BCLL

BCDL

WEBS

OTHERS BRACING TOP CHORD

LUMBER TOP CHORD

BOT CHORD

BOT CHORD

REACTIONS

TOP CHORD

BOT CHORD

WEBS

NOTES

this design.

1)

2) 3)

4)

5)

6)

FORCES

(psf)

60.0

25.0

0.0

10.0

2x4 SP 2400F 2.0E(flat) 2x4 SP 2400F 2.0E(flat)

2x4 SP No.2(flat)

2x4 SP No.2(flat)

bracing.

Tension

10-11=0/0

(size)

Spacing

Code

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

12=0-6-12, 20= Mechanical

Rigid ceiling directly applied or 10-0-0 oc

Max Grav 12=1257 (LC 1), 20=1257 (LC 1)

1-20=-1247/0, 11-12=-134/0, 1-2=-1883/0, 2-4=-1883/0, 4-5=-4641/0, 5-6=-4641/0, 6-7=-4885/0, 7-9=-3887/0, 9-10=-3887/0,

19-20=0/0, 17-19=0/3548, 16-17=0/4885, 15-16=0/4885, 14-15=0/4885, 12-14=0/2491 6-16=-164/84, 7-15=-25/216, 6-17=-717/175,

5-17=-372/0, 4-17=0/1215, 4-19=-1853/0, 2-19=-293/0, 1-19=0/2210, 7-14=-1304/0, 9-14=-316/0, 10-14=0/1556, 10-12=-2690/0

Unbalanced floor live loads have been considered for

All plates are 3x6 MT20 unless otherwise indicated.

10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

CAUTION, Do not erect truss backwards.

International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. Recommend 2x6 strongbacks, on edge, spaced at

Refer to girder(s) for truss to truss connections. This truss is designed in accordance with the 2018

(lb) - Maximum Compression/Maximum

Plate Grip DOL

Rep Stress Incr

Lumber DOL

1-4-0

1.00

1.00

YES

IRC2018/TPI2014

F	OF MIS
STATION AND AND AND AND AND AND AND AND AND AN	NATHANIEL FOX
Dath	MANGABER TO
Series.	PE-2022042259

May 24,2023





Scale = 1:34.6

Plate Offsets (X, Y): [1:Edge,0-3-0],	[6:0-3-0,Edge], [7:0	-3-0,Edge], [13:0-2-12,E	dge], [15:0-3-0,	Edge], [21:0	-1-8,0-0-8]						
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.18	Vert(LL)	-0.14	16-18	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.33	Vert(CT)	-0.22	16-18	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 151 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP 2400F 2.0E(flat)										

BOICHORD	2X4 SP 2400F 2.0E(IIal)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 12=0-5-0, 20= Mechanical
	Max Grav 12=1172 (LC 1), 20=1172 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-20=-1162/0, 11-12=-42/1, 1-2=-1744/0,
	2-3=-1744/0, 3-4=-4175/0, 4-6=-4175/0,
	6-7=-4155/0, 7-9=-2928/0, 9-10=-2928/0,
	10-11=0/0
BOT CHORD	19-20=0/0, 18-19=0/3240, 16-18=0/4155,
	15-16=0/4155, 13-15=0/4155, 12-13=0/1339
WEBS	6-18=-472/353, 4-18=-389/0, 3-18=0/1041,
	3-19=-1664/0, 2-19=-293/0, 1-19=0/2047,

NOTES

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

7-13=-1470/0, 9-13=-298/21, 10-13=0/1769, 10-12=-1710/0, 6-16=-199/36, 7-15=0/245

- All plates are 3x6 MT20 unless otherwise indicated. 2)
- 3) Refer to girder(s) for truss to truss connections.
- 4) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 5) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard







Scale =	1:34.1
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Plate Offsets (X, Y): [1:Edge,0-3-0], [6:0-3-0,Edge], [7:0-3-0,Edge], [10:0-1-8,Edge], [10:0-1-8,0-0-8], [12:0-3-8,Edge], [14:0-3-0,Edge], [18:0-4-12,Edge]												
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	тс	0.20	Vert(LL)	-0.13	15-16	>999	720	MT20	244/190
TCDL	25.0	Lumber DOL	1.00	BC	0.34	Vert(CT)	-0.20	15-16	>999	720		
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 140 lb	FT = 20%F, 11%E

TOP CHORD	2x4 SP 2400E 2 0E(flat)
BOT CHORD	2x4 SP 2400F 2 0E(flat)
WEBS	2x4 SP No 2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 11=0-5-0, 19= Mechanical
	Max Grav 11=1092 (LC 1), 19=1092 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-19=-1080/0, 10-11=-1058/0, 1-2=-1612/0,
	2-4=-1612/0, 4-5=-3731/0, 5-6=-3731/0,
	6-7=-3463/0, 7-9=-1984/0, 9-10=-1985/0
BOT CHORD	18-19=0/0, 16-18=0/2946, 15-16=0/3463,
	14-15=0/3463, 12-14=0/3463, 11-12=0/0
WEBS	6-15=-240/0, 7-14=0/296, 6-16=-248/531,
	5-16=-404/0, 4-16=0/873, 4-18=-1485/0,
	2-18=-294/0, 1-18=0/1892, 7-12=-1660/0,
	9-12=-313/19, 10-12=0/2180

NOTES

- Unbalanced floor live loads have been considered for 1) this design.
- All plates are 3x6 MT20 unless otherwise indicated. 2)
- Refer to girder(s) for truss to truss connections. 3)
- This truss is designed in accordance with the 2018 4) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard







Scale = 1:34.8

Plate Offsets (X, Y):	[1:Edge,0-3-0], [6:0-3-0,Edge], [7:0-3-0,Edge], [10:0-3-0,Edge], [10:0-1-8,0-0-8], [14:0-3-0,Edge], [18:0-4-0,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.23 0.34 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.18 0.02	(loc) 15-16 15-16 11	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20 Weight: 130 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood shee	flat) flat) athing directly applic	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 o	с									
REACTIONS	(size) 11=0-5-0, Max Grav 11=1007 (19= Mechanical (LC 1), 19=1007 (LC	C 1)									
FORCES	(lb) - Maximum Com	pression/Maximum	· · ·									
TOP CHORD	1-19=-995/0, 10-11= 2-4=-1473/0, 4-5=-32 6-7=-2737/0, 7-9=-00	-967/0, 1-2=-1473/0 265/0, 5-6=-3265/0, 80/0, 9-10=-981/0),									
BOT CHORD	18-19=0/0, 16-18=0/ 14-15=0/2737, 12-14	2638, 15-16=0/273 4=0/2737, 11-12=0/	7, 0									
WEBS	6-15=-281/0, 7-14=0 5-16=-422/0, 4-16=0 2-18=-294/0, 1-18=0 9-12=-216/78, 10-12	//339, 6-16=-24/731 //698, 4-18=-1296/0 //1729, 7-12=-1946/ /=0/1316	, , 0,									
NOTES	, -										Same	and
 Unbalance this design All plates a Refer to gi This truss Internation R802.10.2 Recomment 10-00-00 c (0.131" X 2) at their out CAUTION, CAUTION, 	ed floor live loads have are 3x6 MT20 unless o rder(s) for truss to trus is designed in accorda all Residential Code se and referenced stand- nd 2x6 strongbacks, on oc and fastened to eac ar") nails. Strongbacks ter ends or restrained to , Do not erect truss ban S) Standard	been considered for therwise indicated. s connections. Ince with the 2018 ections R502.11.1 a ard ANSI/TPI 1. In edge, spaced at h truss with 3-10d to be attached to w by other means. ckwards.	or nd alls								NATHA FOZ PE-20220	AISSOLUTION

LOAD CASE(S) Standard



and



Scale = 1:33

Plate Offsets (X, Y): [1:Edge,0-3-0]	, [5:0-3-0,Edge], [6:0	0-1-8,Edge], [9:0-3-0,Ed	ge], [14:0-1-8,0-0-	8]							
Loading TCLL TCDL BCLL	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI TC BC WB	0.27 0.35 0.44	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.17 0.01	(loc) 10-11 10-11 8	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 119 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP 2400F 2.0E 2x4 SP 2400F 2.0E 2x4 SP No.2(flat) 2x4 SP No.2(flat)	(flat) (flat)										
TOP CHORD BOT CHORD	Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing	eathing directly appli ccept end verticals. / applied or 10-0-0 c	ed or									
REACTIONS	(size) 8=0-5-0, Max Grav 8=919 (L	13= Mechanical C 1), 13=919 (LC 1)										
FORCES	(lb) - Maximum Con Tension	npression/Maximum										
TOP CHORD	1-13=-905/0, 7-8=-9 2-3=-1328/0, 3-4=-2 5-6=-1974/0, 6-7=0	90/61, 1-2=-1328/0, 2778/0, 4-5=-2778/0 /0	,									
BOT CHORD	12-13=0/0, 11-12=0 9-10=0/1974, 8-9=0	//2315, 10-11=0/197 //1973	4,									
WEBS	5-10=-330/0, 6-9=0, 4-11=-445/0, 3-11= 2-12=-295/0, 1-12=	/281, 5-11=0/967, 0/515, 3-12=-1098/0 0/1559, 6-8=-2151/0),)									
NOTES 1) Unbalance this design	ed floor live loads have	e been considered f	or								SE OF M	AISSO
 Kefer to gi This truss Internation R802,10.2 	irder(s) for truss to tru is designed in accord nal Residential Code s and referenced stand	ss connections. ance with the 2018 sections R502.11.1 a dard ANSI/TPI 1.	and								S NATHA FOI	NIEL E
 Recomme 10-00-00 c (0.131" X at their out 	end 2x6 strongbacks, o oc and fastened to ea 3") nails. Strongbacks ter ends or restrained	on edge, spaced at ch truss with 3-10d s to be attached to v by other means.	valls						I	Kl	Kasnie	h Jose
5) CAUTION	, Do not erect truss ba	ackwards.								N	ON PE-2022	042259

LOAD CASE(S) Standard



May 24,2023





Scale = 1:37

Plate Offsets (X, Y): [5:0-1-8,Edge], [6:0-3-0,Edge], [8:Edge,0-1-8], [14:0-1-8,0-0-8]

Loading TCLL TCDL	(psf) 60.0 25.0	Spacing Plate Grip DOL Lumber DOL	1-4-0 1.00 1.00	CSI TC BC	0.51 0.45	DEFL Vert(LL) Vert(CT)	in -0.13 -0.21	(loc) 10-11 10-11	l/defl >999 >759	L/d 720 720	PLATES MT20	GRIP 244/190
BCLL	0.0	Rep Stress Incr	YES	WB Matrix-S	0.39	Horz(CT)	0.02	8	n/a	n/a	Weight: 91 lb	FT - 20%F 11%F
BODL	10.0	Coue	1602010/1712014	Matrix-3							Weight. 91 lb	FT = 20 /0F, TT /0E
LUMBER TOP CHO BOT CHO WEBS OTHERS	RD 2x4 SP 2400F 2.0E(RD 2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	(flat) (flat)										
BRACING												
TOP CHO	RD Structural wood she	athing directly applie	ed or									
BOT CHO	RD Rigid ceiling directly bracing.	applied or 10-0-0 or	0									
REACTIO	NS (size) 8=0-5-0, Max Grav 8=831 (L0	13= Mechanical C 1), 13=838 (LC 1)										
FORCES	(lb) - Maximum Com	pression/Maximum										
ТОР СНО	RD 1-13=-833/0, 7-8=0/	416, 1-2=-1158/0,										
	2-3=-1158/0, 3-4=-2	244/0, 4-5=-2244/0,										
	5-6=-1268/0, 6-7=0/	20 /1910_10-11-0/1268	3									
DOT CHO	9-10=0/1268, 8-9=0	/1268	σ ,									
WEBS	5-10=-111/0, 6-9=0/	203, 5-11=0/1110,										
	4-11=-560/0, 3-11=0	$\frac{1}{376}, 3-12=-845/0, \frac{1}{378}, 6-8=-1806/0$										
NOTES	2-12-310/0, 1-12-0	, 1370, 0-0=-1000/0										
1) Unbal	anced floor live loads have	e been considered fo	r								And I	alle
this de	esign.										FE OF I	NISS N
 Refer This till 	to girder(s) for truss to trus	ss connections.								6	A. T.	NSY
Intern	ational Residential Code s	ections R502.11.1 a	nd							a	S NATHA	NIEL YZY
R802.	10.2 and referenced stand	lard ANSI/TPI 1.								an	FO.	X X X
4) Recor	nmend 2x6 strongbacks, o	n edge, spaced at								87		NE X
(0.131	 UU UC and fastened to each " X 3") nails Strongbacks 	to be attached to w	alls							81	Man	IN STAND
at the	r outer ends or restrained	by other means.								NS	AN A MONI	BER
5) CAUT	ION, Do not erect truss ba	ickwards.								N.	OX PE-2022	042259 1 2 8

LOAD CASE(S) Standard



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PSSIONAL



Scale = 1:29.9

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,Edge], [11:0-1-8,0-0-12], [12:0-1-8,0-0-12]

Loading TCLL TCDL BCLL	(psf) 60.0 25.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI TC BC WB	0.19 0.22 0.28	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.04 -0.09 0.02	(loc) 8-9 9-10 7	l/defl >999 >999 n/a	L/d 720 720 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S		. ,					Weight: 65 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat)	(flat) (flat)										
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	athing directly applie cept end verticals.	ed or									
BOT CHORD	Rigid ceiling directly bracing.	applied or 10-0-0 or	C									
REACTIONS	(size) 7=0-5-0, 7 Max Grav 7=738 (L0	10=0-5-0 C 1), 10=738 (LC 1)										
FORCES	(lb) - Maximum Com Tension	pression/Maximum										
TOP CHORD	1-10=-116/0, 6-7=-7 2-3=-1635/0, 3-4=-1 5-6=-740/0	42/0, 1-2=-5/0, 635/0, 4-5=-740/0,										
BOT CHORD WEBS	9-10=0/1140, 8-9=0, 2-10=-1281/0, 2-9=0, 4-9=0/190, 4-8=-826 6-8=0/991	/1468, 7-8=0/34 0/562, 3-9=-277/0, 6/0, 5-8=-252/0,										
NOTES												
1) This truss Internation R802.10.2	is designed in accorda al Residential Code s and referenced stand	ance with the 2018 ections R502.11.1 a lard ANSI/TPI 1.	nd								FE OF I	MISSO
2) Recommendation 10-00-00 c (0.131" X 3 at their out	bc and fastened to eac 3") nails. Strongbacks ter ends or restrained	to be attached to w by other means.	alls								S NATHA	NIEL TE

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply		AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES
P210577 - Floor	F90	Floor	1	1	Job Reference (optional	158528028 LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 2 ID:qxr1laMRqgEUou0	2022 Print: 8. QG08C3uNzI	630 S Nov 1 GW6-RfC?P	9 2022 MiTek Industries, Inc. sB70Hq3NSgPqnL8w3uITXb0	ue May 3185/424/2023



9-4-4

Scale = 1:28.1

Plate Offsets (X, Y): [1:Edge,0-0-12], [9:0-1-8,0-0-12], [10:0-1-8,0-0-12]

Loading	(p	osf) S	pacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60	0.0 PI	late Grip DOL	1.00	TC	0.19	Vert(LL)	-0.02	7-8	>999	720	MT20	244/190
TCDL	25	5.0 Lu	umber DOL	1.00	BC	0.18	Vert(CT)	-0.07	7-8	>999	720		
BCLL	(0.0 R	ep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	6	n/a	n/a		
BCDL	1(0.0 C	ode	IRC2018/TPI2014	Matrix-S							Weight: 51 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP 2400F 2x4 SP 2400F 2x4 SP No.2(fl 2x4 SP No.2(fl Structural woo 6-0-0 oc purlin Rigid ceiling di bracing.	2.0E(flat) 2.0E(flat) lat) lat) od sheathi ns, excep irectly app)) ing directly applie t end verticals. plied or 10-0-0 oc	d or									
REACTIONS	(size) 6=0-	-5-0.8=0-	-5-0										

NLACHONS.	(3126) 0=0-3-0, 0=0-3-0
	Max Grav 6=570 (LC 1), 8=570 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-8=-116/0, 5-6=-35/0, 1-2=-5/0, 2-3=-1001/0,
	3-4=-1001/0, 4-5=-2/0
BOT CHORD	7-8=0/817, 6-7=0/511
WEBS	2-8=-916/0, 2-7=0/209, 3-7=-286/0,
	4-7=0/556, 4-6=-725/0

NOTES

- 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard





						RELEASE FOR CONSTRUCTION
JSS	Truss Type		Qty	Ply		AS NOTED FOR PLAN REVIEW
1				1		DEVELOPMENT SERVICES 158528029
11	Floor		1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
S), Spring Hills, KS - 66083,		Run: 8.63 S No	ov 19 2022 Print: 8	.630 S Nov 1	19 2022 MiTek Industries, Inc.	
		ID:Uz28isII?7cE	3h7YJEbcuBKzIGV	WB-RfC?PsB	370Hq3NSgPqnL8w3uITXbGK	
					· · · · · · · · · · · · · · · · · · ·	
	1	2-6-0			0-1-8	
	ISS 1 S), Spring Hills, KS - 66083,	uss Truss Type 1 Floor S), Spring Hills, KS - 66083,	Iss Truss Type 1 Floor S), Spring Hills, KS - 66083, Run: 8.63 S Note ID: Uz28isII??cd	Juss Truss Type Qty 1 Floor 1 S), Spring Hills, KS - 66083, Run: 8.63 S Nov 19 2022 Print: 8 ID:Uz28isII?7cBh7YJEbcuBKzIGV	Uss Truss Type Qty Ply 1 Floor 1 1 S), Spring Hills, KS - 66083, Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 Print: 8.630 S Nov 19 2022 Print: 8.630 S Nov 10 UZ28isII?7cBh7YJEbcuBKzIGWB-RfC?PsE 2-6-0 2-6-0	Juss Truss Type Qty Ply 1 Floor 1 1 S), Spring Hills, KS - 66083, Run: 8.63 S. Nov 19 2022 Print: 8.630 S. Nov 19 2022 MiTek Industries, Inc. TID:Uz28isII?7cBh7YJEbcuBKzIGWB-RfC?PsB70Hq3NSgPqnL8w3ulTXbGK



Scale = 1:28.6

LA . E. J

Plate Offsets (X,	Y): [1:Edge,0-0-12], [8:0-1-8,0-0-12], [! -	9:0-1-8,0-0-12]										
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	0.00	6-7	>999	720	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.06	6-7	>999	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 39 lb	FT = 20%F, 11%E	

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
PEACTIONS	(cizo) = 5 - 0.5 0.7 - 0.5 0
KLACHONS.	(512e) $5=0-5-0, 7=0-5-0$
INEACTIONS	Max Grav $5=401$ (LC 1), $7=401$ (LC 1)
FORCES	(size) 5=0-5-0, 7=0-5-0 Max Grav 5=401 (LC 1), 7=401 (LC 1) (lb) - Maximum Compression/Maximum
FORCES	Max Grav 5=401 (LC 1), 7=401 (LC 1) (lb) - Maximum Compression/Maximum Tension
FORCES	(acc) 3=05-05, 7=05-0 Max Grav 5=401 (LC 1), 7=401 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-7=-114/0, 4-5=-420/0, 1-2=-5/0, 2-3=-353/0,
FORCES	(alze) 5=0006, 7=0050 Max Grav 5=001 (LC 1), 7=401 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-7=-114/0, 4-5=-420/0, 1-2=-5/0, 2-3=-353/0, 3-4=-353/0
FORCES TOP CHORD BOT CHORD	(alce) 5=00-06, 7=0-5-0 Max Grav 5=401 (LC 1), 7=401 (LC 1) (lb) - Maximum Compression/Maximum Tension 1-7=-114/0, 4-5=-420/0, 1-2=-5/0, 2-3=-353/0, 3-4=-353/0 6-7=0/499, 5-6=0/19
FORCES TOP CHORD BOT CHORD WEBS	(a)

NOTES

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

2) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



May 24,2023



						RELEASE FOR CONSTRUCTION
loh	Truce		Otv	DIV		AS NOTED FOR PLAN REVIEW
305	11035	Thuss Type	QUY	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F92	Floor	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
		•				

Run: 8.63 S Nov 19 2022 Print: 8.630 S Nov 19 2022 MiTek Industries, Inc. ue May 3185424/2623 ID:fpgsRpDXQHr2zC49tKVUx3zIGWH-RfC?PsB70Hq3NSgPqnL8w3uITXbgKWrCDow44924124/26323

1-6-0





3x6 =

Scale = 1:31

Plate Offsets (X, Y): [1:Edge,0-0-12], [6:0-1-8,0-0-12], [7:0-1-8,0-0-12]

1-6-0

	-9-,], [e.e. : e,e e :=], [.											
Loading	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	60.0	Plate Grip DOL	1.00	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	25.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.03	4-5	>999	720			
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 25 lb	FT = 20%F, 11%E	
LUMBER													

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	4-0-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	(size) 4=0-5-0, 5=0-5-0
	Max Grav 4=232 (LC 1), 5=232 (LC 1)
FORCES	(lb) - Maximum Compression/Maximum
	Tension
TOP CHORD	1-5=-119/0, 3-4=0/2, 1-2=-5/0, 2-3=0/0
BOT CHORD	4-5=0/174
WEBS	2-5=-190/0, 2-4=-271/0

NOTES

1) 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.

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard







						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qtv	Plv		AS NOTED FOR PLAN REVIEW
	500					DEVELOPMENT SERVICES 158528031
P210577 - Floor	F93	Floor Supported Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Spring	hill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 2				
		ID:MfAxG_W94TXH0	Hf?U8Subqz	zIGXB-RfC?F	sB70Hq3NSgPqnL8w3uITXb0	KWrCDoirJ420(?f 47/2020
			_			



-9-0

1-6-0

Scale = 1:29.5

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

	(• ,, •)• [••=], [=== = =, = =], [-	,									
Loading		(psf)	Spacing	1-4-0	CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TOLL		60.0	Plate Grip DOL	1.00		0.03	Vert(LL)	n/a	-	n/a	999	M120	244/190
TCDL		25.0	Lumber DOL	1.00	BC	0.00	Vert(IL)	n/a	-	n/a	999		
BCLL		0.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 11 lb	FT = 20%F, 11%E
LUMBER													
TOP CHORD	2x4 SP 2	400F 2.0E(flat)										
BOT CHORD													
WEBS	244 SP No 2(flat)												
OTHERS	2x4 SP No.2(flat)												
BRACING													
TOP CHORD	Structura	l wood she	athing directly applie	ed or									
	1-4-4 oc	nurlins ex	cent end verticals										
BOT CHORD	Rigid ceil	ling directly	applied or 10-0-0 or	c									
201 0110112	bracing.	ing anoonly		•									
REACTIONS	(size)	3=1-4-4.4	1=1-4-4										
	Max Grav	3=63 (LC	1), 4=63 (LC 1)										
FORCES	(lb) - Max	kimum Com	pression/Maximum										
	Tension												
TOP CHORD)RD 1-4=-56/0, 2-3=-56/0, 1-2=-8/0												
BOT CHORD													

NOTES

1) N/A

- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely
- braced against lateral movement (i.e. diagonal web).4) Gable studs spaced at 1-4-0 oc.
- 5) 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.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



May 24,2023





Scale = 1:30.1

Loading	((psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL		60.0	Plate Grip DOL	1.00	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	:	25.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL		0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	0.00	14	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 75 lb	FT = 20%F, 11%E
	0:4 00 0400			3) Truss to	be fully sheathed fro	om one fac	ce or securely						
	2X4 SP 2400	F 2.0E(I	liat)		ude encoded at 1.4.0		lagunal web)						
BUICHURD	2X4 SP 24001	F Z.UE(I	liat)	5) This true	s is designed in acc	ordance w	ith the 2018						
	2 2 4 SP No 2(flat) International Residential Code sections R502.111 and												
DINERS	R802.10.2 and referenced standard ANS/TP1 1.												
BRACING	<u>.</u>			6) Recomm	nend 2x6 strongback	s on edge	spaced at						
TOP CHORD	6-0-0 oc purlins, except end verticals. 6-0 oc purlins, except end verticals. 6-0 1 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2												
BOT CHORD	 Rigid ceiling directly applied or 10-0-0 oc bracing. Rigid ceiling directly applied or 10-0-0 oc bracing. Rigid ceiling directly applied or 10-0-0 oc bracing. 												
REACTIONS	Side (size) 14=15-10-10, 15=15-10-10, 16=15-10-10, 17=15-10-10, 18=15-10-10, 21=15-10-10, 22=15-10-10, 22=15-10-10, 22=15-10-10, 22=15-10-10, 22=15-10-10, 22=15-10-10, 26=15-10-10, 26=15-10-10 Max Grav 14=65 (LC 1), 15=156 (LC 1), 16=172 (LC 1), 17=168 (LC 1), 18=169 (LC 1), 19=169 (LC 1), 22=169 (LC 1), 24=170 (LC 1), 25=166 (LC 1), 26=714 (LC 1), 25=166 (LC 1), 26=714 (LC 1		LUAD CAS	-(-) Standard									
FORCES	(lb) - Maximu	im Com	pression/Maximum									San	all
TOP CHORD	1-26=-63/0, 1 3-4=-8/0, 4-5 7-8=-8/0, 8-9 11-12=-8/0, 1	3-14=-{ =-8/0, 5 =-8/0, 9 2-13=-{	56/0, 1-2=-8/0, 2-3=-8/ -6=-8/0, 6-7=-8/0, -10=-8/0, 10-11=-8/0, 3/0	/0,							ł	STATE OF I	MISSOLT
BOT CHORD	25-26=0/8, 24 21-22=0/8, 20 17-18=0/8, 10	4-25=0/ 0-21=0/ 6-17=0/	8, 23-24=0/8, 22-23=0 8, 19-20=0/8, 18-19=0 8, 15-16=0/8, 14-15=0	0/8, 0/8, 0/8						•	H	H.	
WEBS	2-25=-149/0, 5-22=-151/0, 8-19=-151/0, 11-16=-154/0	3-24=- 6-21=- 9-18=-), 12-15	152/0, 4-23=-151/0, 151/0, 7-20=-151/0, 151/0, 10-17=-150/0, =-141/0									PE-2022	BER 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
NOTES											C	V Slavi	FNA
1) All plates	are 1.5x4 MT20) unless	otherwise indicated.									WNA	
2) Gable req	uires continuou	s bottor	n chord bearing.									1000	202

May 24,2023



										RELEASE	FOR CONSTRUCTION
Job	Truss		Truss Type		Qty	Ply				AS NOTE	D FOR PLAN REVIEW
P210577 - F	loor F95		Floor		11	1	Job Refere	nce (optic	onali	LEE'S	158528033 SUMMIT, MISSOURI
Premier Building	Supply (Springhill, KS), S	Spring Hills, KS - 66083,		Run: 8.63 S Nov 19 2	022 Print: 8	3.630 S Nov 1	9 2022 MiTek	Industries,	Inc.	ue May 231 25:42	24/2023
				ID:ySApUNbkSdBDbo	u1lirl6pzIG	qS-RfC?PsB7	0Hq3NSgPqn	L8w3ulTXb	GKV	rCDoi7J4zJC?	
										0-7-6	
										0-1- 	8
										1.5	4
	L	2-6-0								1.5X	4 =
	I	I					:	3x6 =		5X5 =	
	3х3 ш	3x6 =	1.5x4 u	3x3 =		1.5x4 u	3x6 FF)		1.5x4 u	
—	1	2	3 ~~~	4		5 শ্ব	6	7		89 	—
0								×2			0
4				~							- 4
	\\ • -1		14 13			12					10
	3x6 =		3x6 FP			3x6 =				6v6 -	
			3x8 =							0x0 =	
										3X3	5 =
				<u> </u>							
Scale = $1:33.7$ Plate Offsets ()	(. Y): [9:0-1-8.Edae]	. [16:0-1-8.0-0-12]									
Looding	(pof)	Specing	1.4.0	CEL			in (loo)	l/dofl	I /d		
TCLL	(p3i) 60.0	Plate Grip DOL	1.00	TC 0.	23 Vert	(LL) -0.	11 12-13	>999	720	MT20	244/190
TCDL BCLL	25.0 0.0	Lumber DOL Rep Stress Incr	1.00 YES	BC 0. WB 0.	36 Vert 38 Horz	(CT) -0. z(CT) 0.4	19 12-13 04 10	>999 7 n/a	720 n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-S						Weight: 89 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP 2400F 2.0E	(flat)									
BOT CHORD	2x4 SP 2400F 2.0E	(flat)									
OTHERS	2x4 SP No.2(flat)										
BRACING TOP CHORD	Structural wood she	eathing directly applie	d or								
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly	cept end verticals. applied or 10-0-0 oc									
REACTIONS	bracing. (size) 10=0-5-8	15= Mechanical									
	Max Grav 10=1021	(LC 1), 15=1028 (LC	1)								
FORCES	(Ib) - Maximum Con Tension	npression/Maximum									
TOP CHORD	1-15=-120/0, 9-10=- 2-3=-2699/0, 3-4=-2	-1048/0, 1-2=0/0, 2699/0, 4-5=-2869/0,									
BOT CHORD	5-7=-2869/0, 7-8=-6 13-15=0/1680, 12-1	624/0, 8-9=-624/0 3=0/3059, 11-12=0/2	024,								
WEBS	10-11=0/48 2-15=-1897/0, 2-13	=0/1156, 3-13=-277/0	Ι.								
	4-13=-409/0, 4-12= 7-12=0/959, 7-11=-	-215/0, 5-12=-286/0, 1588/0, 8-11=-249/0.									
	9-11=0/1217										ALC: NO
1) Refer to gir	der(s) for truss to tru	ss connections.								F OF M	AISS
 This truss i International 	s designed in accord al Residential Code s	ance with the 2018 ections R502.11.1 ar	nd						A	AN MATUA	A Start
R802.10.2 3) Recommen	and referenced stand	dard ANSI/TPI 1.						5	A	S NATHA	X X
10-00-00 o	c and fastened to ead	ch truss with 3-10d	alls					ľ.		+//	1 128
at their out	er ends or restrained	by other means.	ino internetionality and inter						la	Xhame	ele Vilo
LOAD CASE(S	Standard	aunwalus.							Ø.	PE-2022	042259 (岩月
									Y	SSI ST	ENGL
										A NA	L L L L L L L L L L L L L L L L L L L

May ? May 24,2023





Plate Offsets ((X, Y): [31:0-1-8,0-0-1	2]											
Loading TCLL TCDL BCLL BCDL	(psf) 60.0 25.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-4-0 1.00 1.00 YES IRC2018/	TPI2014	CSI TC BC WB Matrix-R	0.04 0.01 0.02	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 16	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 78 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP 2400F 2.0E(2x4 SP 2400F 2.0E(2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, exx Rigid ceiling directly bracing. (size) 16=16-5-1 22=16-5-1 24=16-5-1 24=16-5-1 29=16-5-1 29=16-5-1 29=16-5-1 20=16-9 (L 20=169 (L 24=169 (L 24=169 (L 24=169 (L 24=169 (L 29=169 (L 29=169 (L))	flat) flat) flat) athing directly applie cept end verticals. applied or 10-0-0 oc 14, 17=16-5-14, 14, 21=16-5-14, 14, 21=16-5-14, 14, 22=16-5-14, 14, 22=16-5-14, 14, 23=16-5-14, 14, 23=16-5-14, 10, 17=111 (LC 1), .C 1), 21=169 (LC 1), .C 1), 23=169 (LC 1) .C 1), 22=169 (LC 1) .C 1), 30=68 (LC 1) .C 1), 30=68 (LC 1)	NO 1) 2) 3) 4) 5) 6) 7) LOA	TES All plates are Gable require Truss to be fi braced again Gable studs : International R802.10.2 ar Recommend 10-00-00 cc : (0.131" X 3") at their outer CAUTION, D AD CASE(S)	1.5x4 MT20 unli es continuous bo ully sheathed fror st lateral movem spaced at 1-4-0 of designed in acco Residential Code nd referenced sta 2x6 strongbacks and fastened to e nails. Strongbac ends or restraine o not erect truss Standard	ess othen ttom chor m one fac ent (i.e. d oc. rdance w e sections indard AN s, on edge each truss cks to be ed by othe backward	wise indicated d bearing. e or securely iagonal web) ith the 2018 R502.11.1 a ISI/TPI 1. , spaced at with 3-10d attached to w er means. ds.	d. valls				5000	
FORCES	(lb) - Maximum Com Tension 1-30=-61/0, 15-16=0 3-4=-6/0, 4-5=-6/0, 5 7-8=-6/0, 8-9=-6/0, 9	pression/Maximum)/6, 1-2=-6/0, 2-3=-6/0 5-6=-6/0, 6-7=-6/0, 9-10=-6/0, 10-12=-6/0	0,),									STATE OF I	MISSOLANIEL X
BOT CHORD	12-13=-0/0, 13-14=-0/0, 14-15=-0/0 29-30=0/6, 28-29=0/6, 26-28=0/6, 25-26=0/6, 24-25=0/6, 23-24=0/6, 22-23=0/6, 22-23=0/6, 22-23=0/6, 20-21=0/6, 19-20=0/6, 18-19=0/6, 17-18=0/6, 16-17=0/6 2-29=-151/0, 3-28=-152/0, 4-26=-151/0, 5-25=-151/0, 6-24=-151/0, 7-23=-151/0										BER 5 600		
	5-25=-151/0, 6-24=-151/0, 7-23=-151/0, 8-22=-151/0, 9-21=-151/0, 10-20=-152/0, 12-19=-149/0, 13-18=-158/0, 14-17=-110/0 May 24,2023								L ENG'54 y 24,2023				



						RELEASE FOR CONSTRUCTION
lob	Truss		Otv	Plv		AS NOTED FOR PLAN REVIEW
005	11035		Qty	i iy		DEVELOPMENT SERVICES
P210577 - Floor	F97	Floor Supported Gable	1	1	Job Reference (optional	LEE'S SUMMIT, MISSOURI
Premier Building Supply (Springh	ill, KS), Spring Hills, KS - 66083,	Run: 8.63 S Nov 19 2 ID:rjLunprPxAC0V5L0	2022 Print: 8. C_35I1dzIGi0	630 S Nov 1 0-RfC?PsB7(9 2022 MiTek Industries, Inc.)Hq3NSgPqnL8w3uITXbGKW	ue May 0185/24/2023



1.5x4 🛚

4-2-0 4-2-0

Scale = 1:28.9

Plate Offsets (X, Y): [1:Edge,0-0-12], [9:0-1-8,0-0-12], [10:0-1-8,0-0-12]

1-6-0

Loa	ding	(psf)	Spacing	1-4-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCL	_L	60.0	Plate Grip DOL	1.00		0.05	Vert(LL)	n/a	-	n/a	999	M120	244/190
TCL		25.0	Lumber DOL	1.00	BC	0.01	Vert(IL)	n/a	-	n/a	999		
BCI	L	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(IL)	0.00	5	n/a	n/a		
BCI	JL	10.0	Code	IRC2018/1PI2014	Matrix-R		-			-		vveight: 23 lb	FT = 20%F, 11%E
LUN	MBER												
TOF	CHORD	2x4 SP 2400F 2.0E(flat)										
BO	OT CHORD 2x4 SP 2400F 2.0E(flat)												
WE	/EBS 2x4 SP No.2(flat)												
OTH	HERS	2x4 SP No.2(flat)											
BR/	ACING												
TOF	P CHORD	Structural wood shea	athing directly applie	ed or									
		4-2-0 oc purlins, exc	cept end verticals.										
BO	T CHORD	Rigid ceiling directly	applied or 10-0-0 or	C									
		bracing.											
RE/	ACTIONS	(size) 5=4-2-0, 6	6=4-2-0, 7=4-2-0, 8=	-4-2-0									
		Max Grav 5=75 (LC	1), 6=180 (LC 1), 7=	=159									
		(LC 1), 8=	68 (LC 1)										
FO	RCES	(lb) - Maximum Com	pression/Maximum										
то г				2/0									
101	CHURD	1-8=-59/0, 4-5=-67/0	J, 1-2=-10/0, 2-3=-10	5/0,									
R∩-		3-4=-10/0 7-8-0/10 6-7-0/10	5-6-0/10										
	RS	2-71/15/0 3-616	0-0-0/10 0/0										
NO.	TER	2 7 = 140/0, 0 0 = 100	0/0										
1)		aro 1 5v4 MT20 uploce	othonwise indicator	4									
1) 2)	Cable red	uires continuous bottor	n chord bearing										
2) 3)	Truss to h	e fully sheathed from o	ne face or securely										~
0)	braced ad	ainst lateral movement	(i.e. diagonal web)									CON	alle
4)	Gable stu	ds spaced at 1-4-0 oc.	(nor diagonal fros).									B. OF I	MISS
5)	This truss	is designed in accorda	ince with the 2018								1	9 54	N.O.
	International Residential Code sections R502.11.1 and												
	R802.10.2	2 and referenced stand	ard ANSI/TPI 1.							_	R	> NAILA	
6)	Recomme	end 2x6 strongbacks, or	n edge, spaced at							•	\mathbf{Y}		
	10-00-00	oc and fastened to eac	h truss with 3-10d								W/	Tilling	11 120
	(0.131" X	3") nails. Strongbacks	to be attached to w	alls							MI	1 Kan	
	at their outer ends or restrained by other means.												

LOAD CASE(S) Standard



May 24,2023



