

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

Re: 220004 Lot 2 OS

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Wheeler - Waverly.

Pages or sheets covered by this seal: I55084222 thru I55084222

My license renewal date for the state of Missouri is December 31, 2023.

Missouri COA: Engineering 001193



November 4,2022

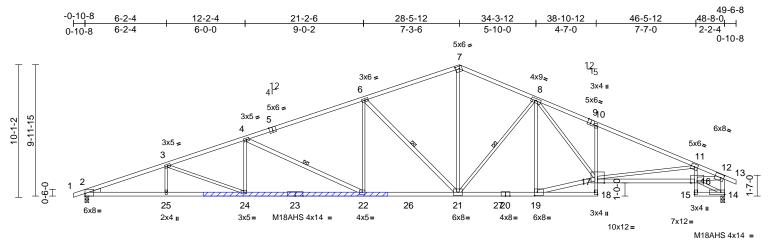
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.

Job	Truss	Truss Type	Qty	Ply	Lot 2 OS		155084222
220004	A16	Roof Special	5	1	Job Reference (optional)	UNITS 1 AH 1 OF 1	

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.43 S Jan 6 2022 Print: 8.430 S Jan 6 2022 MiTek Industries, Inc. Thu Nov 03 14:13:03 ID:ceyXGprA4IYGZ4QRMFHGugyhzc_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

REPAIR: DAMAGED PLATE AT JOINT 23



SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

APPLY 2 X 4 X 14' SPF NO.2 SCAB(S) TO EACH FACE OF TRUSS CENTERED ON DAMAGE/SPLICE OR AS SHOWN. ATTACH WITH (0.131" X 3") NAILS PER THE FOLLOWING NAIL SCHEDULE: 2 X 3'S - 1 ROW, 2 X 4'S - 2 ROWS, 2 X 6'S AND LARGER - 3 ROWS: SPACED @ 4" O.C. STAGGER NAIL SPACING FROM FROM FACH AND BACK FACE FOR A NET 2" O.C SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.

	6-2-4	12-2-4	21-2-6		28-4-8		34-3-12		39-0-0		46-4-8	48-8-0
Scale = 1:87.6	6-2-4	6-0-0	9-0-2		7-2-2		5-11-4	-	4-8-4		7-4-8	2-3-8
Plate Offsets (2	X, Y): [2:Edge,0-2-5]	, [5:0-3-0,Edge], [7:0-3-8,	0-2-4], [9:0-3-0,Ed	ge], [12:0-2-9,0-3	3-0], [18:Ed	ge,0-2-8], [1	9:0-2-8,0	-3-0]			_	
Loading	(psf)	Spacing 2-	0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL 1.	15	TC	0.81	Vert(LL)	-0.53	22-24	>999	360	MT20	197/144
TCDL	10.0		15	BC	0.89	Vert(CT)	-0.97		>599	240	M18AHS	142/136
BCLL	0.0*		ES	WB	0.93	Horz(CT)	0.35	14	n/a	n/a		
BCDL	10.0	Code IR	C2018/TPI2014	Matrix-S		Wind(LL)	0.32	22-24	>999	240	Weight: 205 lb	FT = 10%
LUMBER			WEBS	6-21=-1467/34	4, 7-21=-20	7/1779,						
TOP CHORD 2x4 SPF 2100F 1.8E *Except* 7-9:2x4 SPF No.2				8-21=-705/228	,	,						
				17-19=-222/32								
BOT CHORD	2x4 SPF 2100F 1.8			11-17=-80/290 4-24=0/447, 4-2								
	18-10,11-15:2x3 SP SPF No.2	F No.2, 15-14,20-18:2x4		4-24=0/447, 4-2		,	4/009,					
WEBS	2x3 SPF No.2 *Exce	ant*	NOTES	14-10-02/00,	12-10-430	3000						
WLD5		2-4,16-12:2x4 SPF No.2		d roof live loads	have been	onsidered	for					
WEDGE	21-6,19-17,14-12,22-4,16-12:2x4 SPF No.2 1) Unbalanced roof live loads have been considered for Left: 2x4 SP No.3 this design.											
BRACING				E 7-16; Vult=11	5mph (3-sed	ond gust)						
TOP CHORD	Structural wood she	athing directly applied or		ph; TCDL=6.0ps								
	2-2-0 oc purlins, ex	cept end verticals.		nclosed; MWFR								
BOT CHORD	3	applied or 6-0-0 oc		eft and right exp								
	bracing.			ed; Lumber DOL								
WEBS	1 Row at midpt	6-21, 8-21, 4-22		re MT20 plates (nas been design								
REACTIONS		(req. 0-3-11), 14=0-3-8,		bad nonconcurre								
(req. 0-3-11) Max Horiz 2=171 (LC 8) Max Uplift 2=-380 (LC 4), 14=-267 (LC 9)		,		has been desig								
				om chord in all a							and a	TOP
		LC 2), 14=2349 (LC 2)		by 2-00-00 wide							ATE OF I	AIS C
FORCES	(lb) - Maximum Corr			any other memb			sf.			4	950	NO S
IONOLO	Tension	ipression/maximum		Required beari		int(s) 2, 14				B	SCOT	M XA
TOP CHORD	1-2=0/6, 2-3=-5804/	835, 3-4=-5277/776,		n input bearing s chanical connect		ore) of truck	a to			8	SEV	
	4-6=-4146/612, 6-7=	=-3066/482,		te capable of with						his		
	7-8=-3117/502, 8-10		267 lb uplift at jo			u			W			
	10-11=-4562/486, 1	,		s designed in ac		ith the 2018	3		_		sul,	NON NO A
	12-13=0/27, 12-14=			al Residential Co					_	N.	NUM	
BOT CHORD	2-25=-856/5381, 24 22-24=-729/4965, 2		R802.10.2	and referenced	standard AN	ISI/TPI 1.				N'	PE-2001	018807
	,	1-22=-463/3858, 8-19=-36/93, 17-18=0/78	LOAD CASE(S	 Standard 						V	A Y'A	158
	10-17=-424/219, 16		,	-							W SIG	ENUS
	,	-536/155, 14-15=-41/70									SSIONA	LUNG
											CONA	CCC -

November 4,2022

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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

