

MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

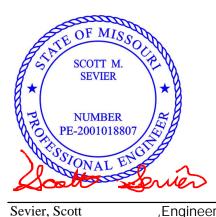
Re: 240614 Lot 123 MN

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: I65041501 thru I65041501

My license renewal date for the state of Missouri is December 31, 2025.

Missouri COA: Engineering 001193



April 22,2024

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.

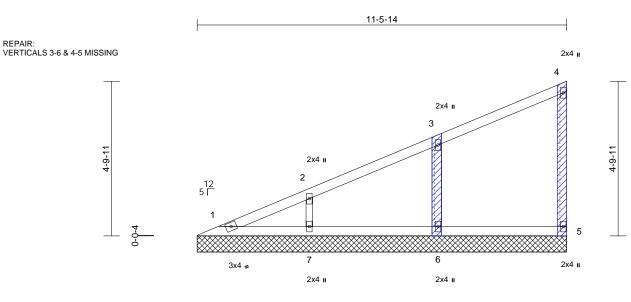
,Engineer

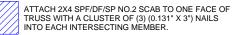
Job	Truss	Truss Type	Qty	Ply	Lot 123 MN	UNITS: 1.0	
240614	V2	Valley	1	1	Job Reference (optional)	ENG: LFM	165041501

Wheeler Lumber, Waverly, KS - 66871,

Run: 8.73 S Apr 3 2024 Print: 8.730 S Apr 3 2024 MiTek Industries, Inc. Fri Apr 19 12:00:44 ID:ucVfnHrZGsKEnoS0rfvn96zitme-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



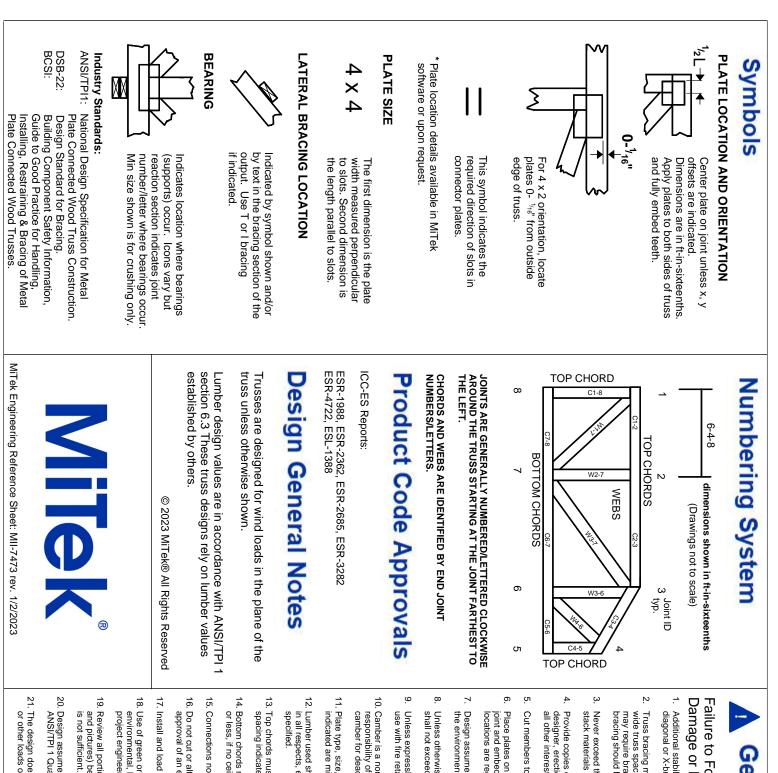




11-5-14

Scale = 1:35.8

Scale = 1.55.6													
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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL	10.0	Lumber DOL	1.15		BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES		WB	0.08	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TF	PI2014	Matrix-S							Weight: 33 lb	FT = 10%
BOT CHORD 2x WEBS 2x OTHERS 2x BRACING TOP CHORD St BOT CHORD Ri BOT CHORD Ri REACTIONS (siz	0-0 oc purlins, ex igid ceiling directly acing. e) 1=11-5-14 7=11-5-14 x Horiz 1=195 (L0 x Uplift 5=-28 (LC (LC 8)	•	or 3- 7) Al 8) Pi d or 5, 9) Ti In 14, R	n the botton -06-00 tall b nord and an Il bearings a rovide mech earing plate , 106 lb upli his truss is o tternational	as been designen n chord in all area y 2-00-00 wide v y other members are assumed to b nanical connectic capable of withs ft at joint 6 and 8 designed in acco Residential Code nd referenced sta Standard	as where vill fit betw s. be SPF No on (by oth standing 2 8 lb uplift rdance w e sections	a rectangle veen the botto c.2. ers) of truss to 28 lb uplift at jo at joint 7. ith the 2018 5 R502.11.1 au	om o point					
Max		C 16), 5=141 (LC 1), C 1), 7=330 (LC 1)											
	o) - Maximum Com	pression/Maximum											
		28/53, 3-4=-112/37,											
	5=-109/43											A DE	and the
	7=-63/48, 6-7=-63	,										TE OF I	AISSO
WEBS 3-0	6=-312/153, 2-7=-	253/131									6		N.S.
NOTES											A	SCOT	M. CM
1) Wind: ASCE 7											A.	SEVI	ER \ Y
		DL=6.0psf; h=25ft; C nvelope) exterior zone									12*		• \★Ø
											11	40	· la la
cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60													
(1,2)													
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face),													
see Standard Industry Gable End Details as applicable,													
or consult qualified building designer as per ANSI/TPI 1. 3) Gable requires continuous bottom chord bearing.													
, ,	s continuous botto	m chord bearing.										CONA A	
, ,	paced at 4-0-0 oc.											-un	
,	0	r a 10.0 psf bottom										Apri	1 22,2024
chord live load	I nonconcurrent wi	th any other live load	S.										
Design valid fo a truss system building design is always requi fabrication, sto	or use only with MiTek® . Before use, the buildin . Bracing indicated is ired for stability and to prage, delivery, erection	ters and READ NOTES ON o connectors. This design is ng designer must verify the to prevent buckling of indiv prevent collapse with possi and bracing of trusses and ety Information available	based only upor applicability of d idual truss web a ble personal injur d truss systems, s	n parameters s lesign paramet ind/or chord me ry and property see ANSI/TPI	hown, and is for an ir ers and properly inco embers only. Addition damage. For genera 1 Quality Criteria, ar	ndividual bui rporate this nal tempora al guidance nd DSB-22	Iding component, design into the ov ry and permanent regarding the available from Tru	not verall t bracing uss Plate Ir	nstitute (w	ww.tpinst.c	org)	Chesterf	Tek ingley Ridge Rd. eld, MO 63017 0 / MiTek-US.com



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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