

Job J0324-1566	Truss F06	Truss Type Floor	Qty 2	Ply 1	Lot 12 Williams Farms 158612629
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Comtech, Inc., Fayetteville, NC 28309

8.430 s Jan 6 2022 MiTek Industries, Inc. Tue May 30 08:18:29 2023 Page 1
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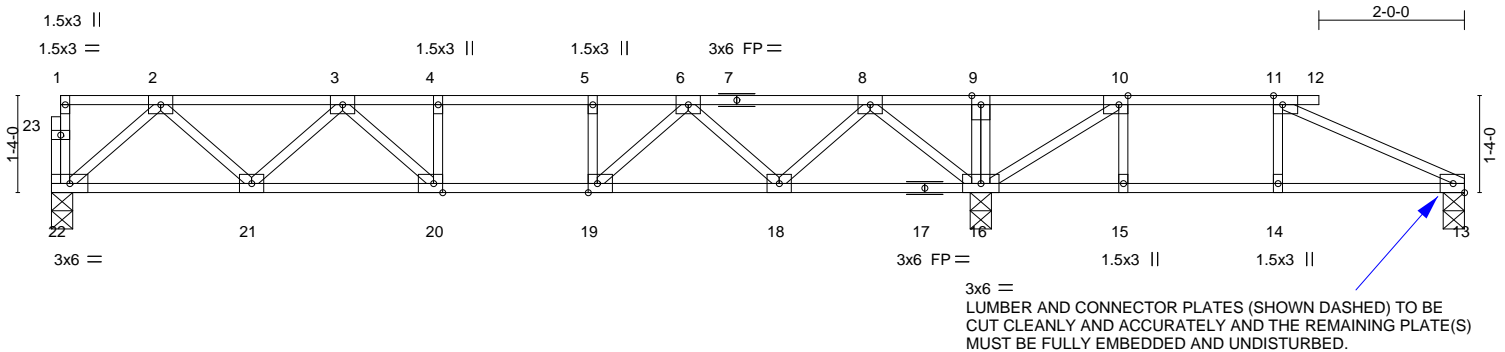


Plate Offsets (X,Y)--	[10:0-1-8,Edge], [11:0-1-8,Edge], [19:0-1-8,Edge], [20:0-1-8,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 2-0-0 Lumber DOL 1.00	TC 0.37	Vert(LL) -0.08	20-21	>999	480	MT20	244/190
TCDL 10.0	Rep Stress Incr YES	BC 0.42	Vert(CT) -0.11	20-21	>999	360		
BCLL 0.0	Code IRC2018/TPI2014	WB 0.30	Horz(CT) 0.02	13	n/a	n/a		
BCDL 5.0		Matrix-S					Weight: 94 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(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) 22=0-3-8, 16=0-3-8, 13=0-3-8
Max Grav 22=672(LC 10), 16=1119(LC 9), 13=174(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1133/0, 3-4=-1700/0, 4-5=-1700/0, 5-6=-1700/0, 6-8=-1079/0, 8-9=0/356, 9-10=0/357, 10-11=-337/1
BOT CHORD 21-22=0/717, 20-21=0/1517, 19-20=0/1700, 18-19=0/1482, 16-18=0/647, 15-16=-1/337, 14-15=-1/337, 13-14=-1/337
WEBS 2-22=-952/0, 2-21=0/579, 3-21=-534/0, 3-20=0/393, 8-16=-1060/0, 8-18=0/626, 6-18=-595/0, 6-19=0/476, 10-16=-655/0, 11-13=-372/2

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are 3x4 MT20 unless otherwise indicated.
- Plates checked for a plus or minus 1 degree rotation about its center.
- 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 10-0-0 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.



May 30, 2023

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

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



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