

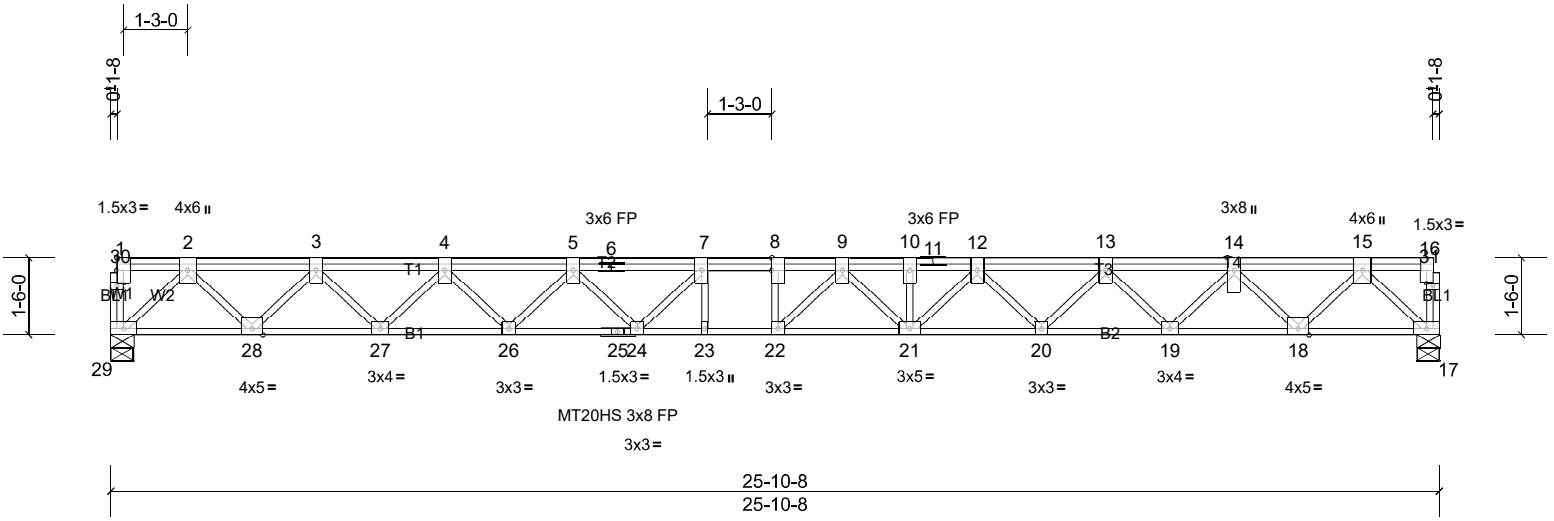
Job Q-2402568-1	Truss F2	Truss Type Floor	Qty 26	Ply 1	188 Shady Brook-Floor Job Reference (optional)
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Peak Truss Builders LLC, New Hill, user

Run: 8.72 S Apr 24 2024 Print: 8.720 S Apr 24 2024 MiTek Industries, Inc. Tue Oct 29 11:09:26

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Scale = 1:44.9

Plate Offsets (X, Y): [8:0-3-0,Edge], [30:0-1-8,0-0-8], [31:0-1-8,0-0-8]

Loading	(psf)	Spacing	1-4-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.41	21-22	>743	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.57	21-22	>540	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.11	17	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-S								
											Weight: 174 lb	FT = 20%F, 11%E

LUMBER
 TOP CHORD 2x4 SP No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 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 10-0-0 oc bracing.

REACTIONS (lb/size) 17=935/0-5-4, (min. 0-1-8), 29=935/0-5-4, (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1662/0, 3-4=-2906/0, 4-5=-3798/0, 5-6=-4347/0, 6-7=-4347/0, 7-8=-4544/0, 8-9=-4544/0, 9-10=-4383/0, 10-11=-4383/0, 11-12=-4383/0, 12-13=-3794/0, 13-14=-2907/0, 14-15=-1662/0
 BOT CHORD 28-29=0/941, 27-28=0/2366, 26-27=0/3431, 25-26=0/4150, 24-25=0/4150, 23-24=0/4544, 22-23=0/4544, 21-22=0/4507, 20-21=0/4140, 19-20=0/3433, 18-19=0/2365, 17-18=0/941
 WEBS 15-17=-1299/0, 2-29=-1298/0, 15-18=0/1046, 2-28=0/1046, 14-18=-1019/0, 3-28=-1020/0, 14-19=0/785, 3-27=0/783, 13-19=-763/0, 4-27=-761/0, 13-20=0/524, 4-26=0/533, 12-20=-502/0, 5-26=-510/0, 12-21=0/349, 5-24=-1/432, 9-21=-258/0, 7-24=-460/53, 9-22=-275/396

- NOTES**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) All plates are 3x6 MT20 unless otherwise indicated.
 - 4) The Fabrication Tolerance at joint 25 = 11%
 - 5) This truss is designed in accordance with the 2015 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