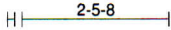


Job 687478	Truss 603	Truss Type FLOOR	Qty 8	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

Run: 8.100 s Jan 17 2017 Print: 8.100 s Jan 17 2017 MiTek Industries, Inc. Mon Jun 19 11:31:01 2017 Page 1
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0-1-8



Scale = 1:36.8

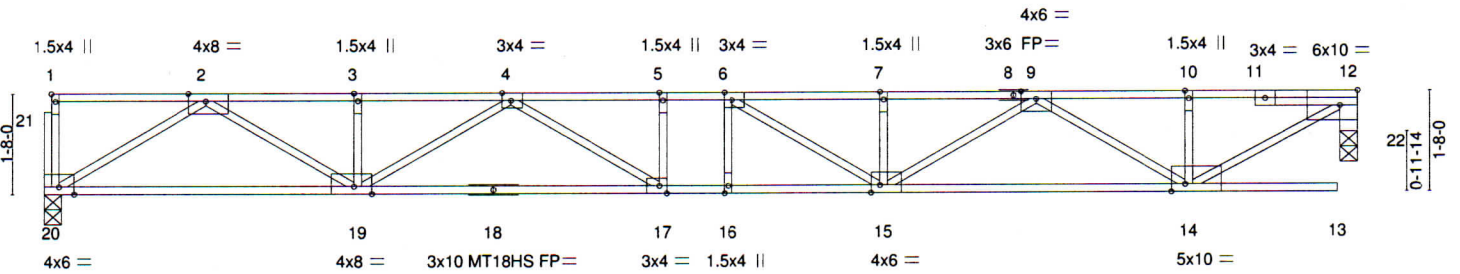


Plate Offsets (X,Y)--	[1:Edge,0-0-12], [2:0-3-8,Edge], [4:0-1-12,Edge], [6:0-1-8,Edge], [12:0-3-8,Edge], [14:0-2-12,Edge], [15:0-1-12,Edge], [17:0-1-8,Edge], [19:0-3-8,Edge]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.52	in (loc) l/defl L/d	MT20	169/123
TCDL 10.0	Plate Grip DOL 1.00	BC 0.90	Vert(LL) -0.33 16 >773 480	MT18HS	197/144
BCLL 0.0	Lumber DOL 1.00	WB 0.84	Vert(TL) -0.61 17-19 >421 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(TL) 0.06 22 n/a n/a		
	Code IBC2009/TPI2007			Weight: 84 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
 BOT CHORD 2x4 SPF 1650F 1.5E(flat)
 WEBS 2x4 SPF-S No.2(flat)
 OTHERS 4x4 DF 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. (lb/size) 20=1285/0-3-8 (min. 0-1-8), 22=1288/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-3320/0, 3-4=-3320/0, 4-5=-4516/0, 5-6=-4516/0, 6-7=-4186/0, 7-8=-4186/0, 8-9=-4186/0, 9-10=-2022/0, 10-11=-2022/0, 11-12=-2026/0, 12-22=-1288/0
 BOT CHORD 19-20=0/1919, 18-19=0/4139, 17-18=0/4139, 16-17=0/4516, 15-16=0/4516, 14-15=0/3313
 WEBS 2-20=-2230/0, 12-14=0/2312, 2-19=0/1642, 9-14=-1514/0, 4-19=-960/0, 9-15=0/1023, 7-15=-301/0, 4-17=-19/714, 6-15=-700/103

NOTES- (9-10)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) Attach ribbon block to truss with 3-10d nails applied to flat face.
- 5) 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.
- 6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 7) 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.
- 8) CAUTION, Do not erect truss backwards.
- 9) Dimensions are in feet-inches-sixteenths
- 10) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard