Job	Truss	Truss Type	Qty	Ply	
687478	603	FLOOR	8	1	Job Reference (optional)

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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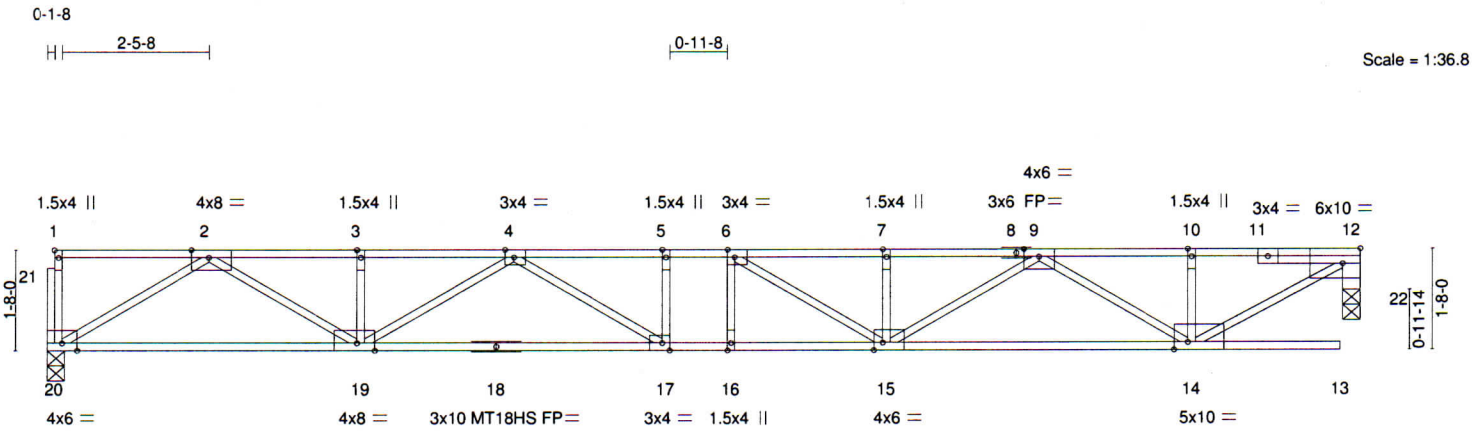

21-5-8 21-9-8
21-5-8 0-4-0

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]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.33	16	>773	480	MT20	169/123
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(TL)	-0.61	17-19	>421	240	MT18HS	197/144
BCLL	0.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.06	22	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		Matrix-R							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