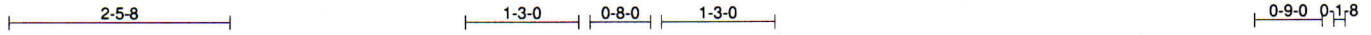


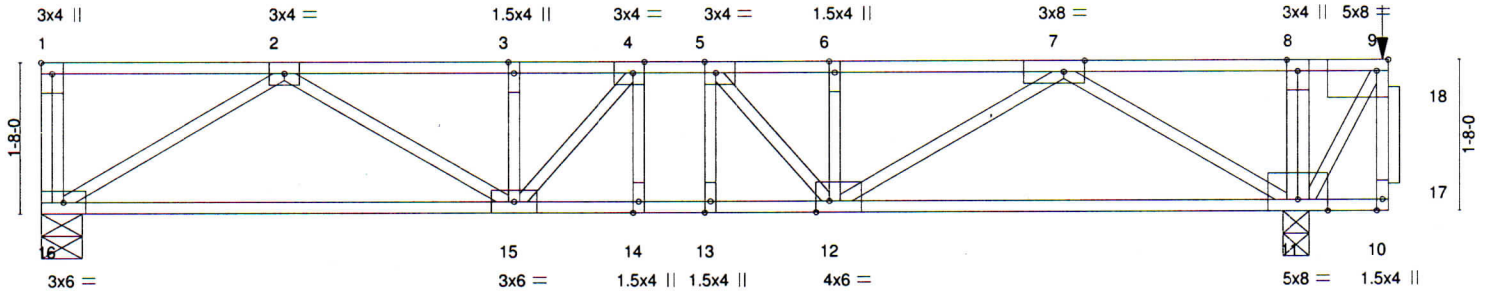
Job 687478	Truss 602	Truss type FLOOR	Qty 1	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

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Scale = 1:24.5



	13-10-8	14-0-0 15-0-0
	13-10-8	0-1-8 1-0-0
Plate Offsets (X,Y)--	[1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-2-12,Edge], [9:0-1-8,Edge], [12:0-1-12,Edge]	

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.48	Vert(LL)	-0.07	14	>999	MT20	169/123
TCDL 10.0	Plate Grip DOL 1.00	BC 0.52	Vert(TL)	-0.21	15-16	>766		
BCLL 0.0	Lumber DOL 1.00	WB 0.44	Horz(TL)	0.02	11	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-R						
	Code IBC2009/TPI2007						Weight: 64 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)

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. (lb/size) 16=675/0-5-8 (min. 0-1-8), 11=3137/0-3-8 (min. 0-2-2)
 Max Grav 16=774(LC 3), 11=3137(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1601/0, 3-4=-1601/0, 4-5=-1601/57, 5-6=-1471/240, 6-7=-1471/240, 7-8=0/1271, 8-9=0/1269
 BOT CHORD 15-16=0/1056, 14-15=-57/1601, 13-14=-57/1601, 12-13=-57/1601, 11-12=-712/773
 WEBS 2-16=-1230/0, 7-11=-1527/0, 2-15=0/638, 7-12=0/1002, 4-15=0/270, 5-12=-372/0, 9-11=-2392/0

NOTES- (11-12)

- Unbalanced floor live loads have been considered for this design.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- Attach ribbon block to truss with 3-10d nails applied to flat face.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss is designed in accordance with the 2009 International Building Code section 2306.1 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.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2050 lb down at 14-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- Dimensions are in feet-inches-sixteenths
- Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 10-16=-20, 1-9=-100
 Concentrated Loads (lb)
 Vert: 9=-2050(F)