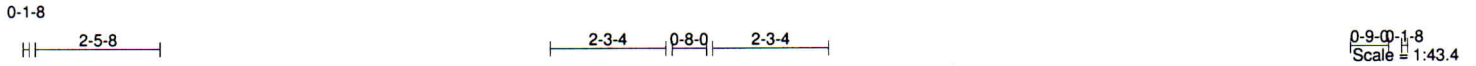


Job 687478	Truss 601	Truss Type FLOOR	Qty 15	Ply 1	Job Reference (optional)
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Boise Structural Solutions, Biddeford, ME 04005

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25-11-4	25-11-4	27-0-0	26-0-0	0-0-12	1-0-0
Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-4-12,Edge], [4:0-2-12,Edge], [7:0-1-8,Edge], [8:0-1-8,Edge], [12:0-4-4,Edge], [14:0-1-8,Edge], [16:0-3-8,Edge], [18:0-2-12,Edge], [24:0-4-12,Edge], [25:Edge,0-1-8]					

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.71	Vert(LL)	-0.61	21	>507	MT20	169/123
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(TL)	-1.03	21	>302	MT18HS	169/123
BCLL 0.0	Lumber DOL 1.00	WB 0.83	Horz(TL)	0.16	16	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-R						
	Code IBC2009/TPI2007							
							Weight: 105 lb	FT = 0%F, 0%E

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)	TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E(flat) *Except* B3: 2x4 SPF 1650F 1.5E(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-18.
WEBS 2x4 SPF-S No.2(flat)	

REACTIONS. (lb/size) 25=1471/0-5-8 (min. 0-1-8), 16=3775/0-5-8 (min. 0-2-9)
Max Grav 25=1519(LC 3), 16=3775(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4092/0, 3-4=-4092/0, 4-5=-6067/0, 5-6=-6067/0, 6-7=-6067/0, 7-8=-6285/0,
8-9=-5967/0, 9-10=-5967/0, 10-11=-3808/0, 11-12=-3808/0, 12-13=0/1148, 13-14=0/1148
BOT CHORD 24-25=0/2310, 23-24=0/5290, 22-23=0/5290, 21-22=0/6285, 20-21=0/6285, 19-20=0/6285,
18-19=0/5097, 17-18=-322/1943, 16-17=-322/1943
WEBS 2-25=-2685/0, 12-16=-2751/0, 2-24=0/2088, 12-18=0/2277, 11-18=-251/0, 4-24=-1404/0,
10-18=-1602/0, 4-22=0/912, 5-22=-292/0, 10-19=0/1109, 9-19=-280/0, 7-22=-644/393,
8-19=-863/174, 14-16=-2326/0

- NOTES-** (11-12)
- 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) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Attach ribbon block to truss with 3-10d nails applied to flat face.
 - 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2050 lb down at 26-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 11) Dimensions are in feet-inches-sixteenths
 - 12) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 15-25=-20, 1-14=-100
 Concentrated Loads (lb)
 Vert: 14=-2050(F)