Job	Truss	Truss Type	Qty	Ply	
687478	604	FLRGDR	1	2	Job Reference (optional)

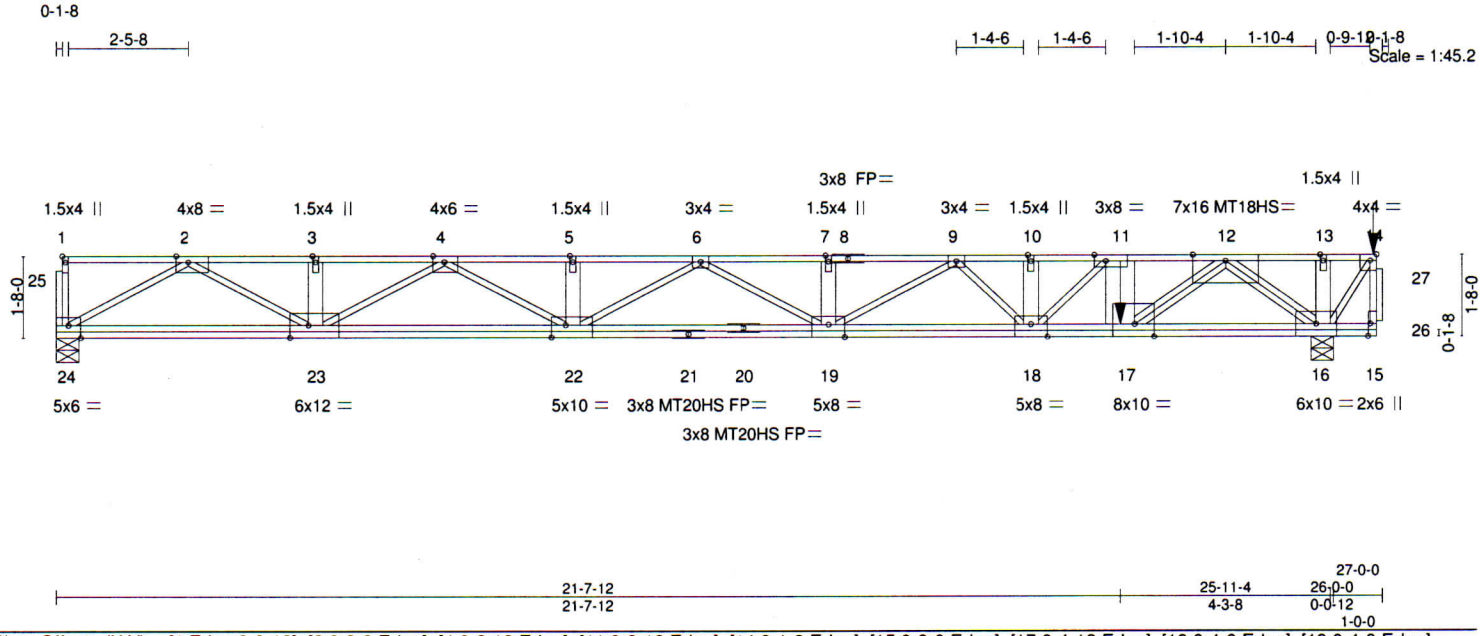

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [2:0-3-0,Edge], [4:0-2-12,Edge], [11:0-2-12,Edge], [14:0-1-8,Edge], [15:0-3-0,Edge], [17:0-4-12,Edge], [18:0-4-0,Edge], [19:0-4-0,Edge], [22:0-3-8,Edge], [23:0-4-8,Edge], [24:0-3-0,Edge]

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	0.87	Vert(LL)	-0.50	19-22	>609	480	MT20	169/123
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(TL)	-0.87	19-22	>354	240	MT20HS	148/108
BCLL	0.0	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.10	16	n/a	n/a	MT18HS	197/144
BCDL	10.0	Code IBC2009/TPI2007		Matrix-R							Weight: 325 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF-S No.2(flat) *Except*
W4,W7,W10,W13,W15,W16,W21: 4x4 DF No.2(flat)
W19,W17,W18,W20: 2x4 SP 2700F 2.2E(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) 24=2242/0-5-8 (min. 0-1-8), 16=8158/0-5-8 (min. 0-2-12)
Max Grav 24=2302(LC 3), 16=8158(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6941/0, 3-4=-6941/0, 4-5=-11750/0, 5-6=-11750/0, 6-7=-14371/0, 7-8=-14371/0, 8-9=-14371/0, 9-10=-14863/0, 10-11=-14863/0, 11-12=-14622/0, 12-13=0/1489, 13-14=0/1483
BOT CHORD 23-24=0/3835, 22-23=0/9590, 21-22=0/13307, 20-21=0/13307, 19-20=0/13307, 18-19=0/14839, 17-18=0/14650, 16-17=0/7029
WEBS 2-24=-4351/0, 2-23=0/3574, 4-23=-3046/0, 4-22=0/2485, 6-22=-1790/0, 6-19=0/1224, 9-19=-538/9, 11-18=0/377, 12-16=-9485/0, 12-17=0/9479, 14-16=-2496/0, 11-17=-442/0

NOTES- (11-12)
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
4) All plates are MT20 plates 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, and 5155 lb down at 21-7-12 on bottom 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: 15-24=-20, 1-14=-100

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