Job	Truss	Truss Type	Qty	Ply	
660255	001	FINK	12	1	Job Reference (optional)

Boise Structural Solutions, Biddeford, ME 04005

7.520 s May 1 2014 MiTek Industries, Inc. Tue Jul 0
ID:006jJZSvj66Yjp?SeIZzcmzHJeQ-utdRiw3ocyyGdxL3O3a7nCBGukc

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/07/14

-1-0-0	5-7-7	12-0-0	18-4-9	24-0-0
1-0-0	5-7-7	6-4-9	6-4-9	5-7-7

7-8-15	16-3-1	24-0-0
7-8-15	8-6-2	7-8-15

Plate Offsets (X,Y)-- [2:Edge,0-3-8], [4:0-2-12,Edge], [6:Edge,0-3-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plates Increase 1.15	TC	0.81	Vert(LL)	-0.32	9-11	>897	240	MT20	169/123
(Ground Snow=60.0)		Lumber Increase 1.15	BC	0.68	Vert(TL)	-0.50	9-11	>567	180	MT18H	197/144
TCDL	10.0	Rep Stress Incr YES	WB	0.53	Horz(TL)	0.08	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	(Matrix)							Weight: 96 lb	FT = 0%
BCDL	10.0										

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
SLIDER Left 2x8 SP M 23 3-2-14, Right 2x8 SP M 23 3-2-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-2 oc bracing.
WEBS 1 Row at midpt 3-12, 5-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1768/0-5-8 (min. 0-2-12), 8=1768/0-5-8 (min. 0-2-12)
Max Horz 12=138(LC 7)
Max Uplift12=-603(LC 8), 8=-603(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-631/303, 3-15=-387/329, 3-16=-2249/851, 16-17=-2225/855, 17-18=-2097/869, 4-18=-1964/886, 4-19=-1964/886, 19-20=-2097/869, 20-21=-2225/855, 5-21=-2249/851, 5-22=-387/329, 6-22=-631/303, 2-12=-656/437, 6-8=-656/437
BOT CHORD 11-12=-566/2073, 11-13=-306/1525, 10-13=-306/1525, 10-14=-306/1525, 9-14=-306/1525, 8-9=-566/2073
WEBS 3-11=-505/347, 4-11=-226/787, 4-9=-226/787, 5-9=-505/347, 3-12=-1978/604, 5-8=-1978/604

NOTES- (12)
1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 22-0-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 18.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) The solid section of the plate is required to be placed over the splice line at joint(s) 10.
7) Plate(s) at joint(s) 10 checked for a plus or minus 5 degree rotation about its center.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=603, 8=603.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard