Job	Truss	Truss Type	Qty	Ply	MOONEY/GREAT DIAMOND PD, ME
668554	002	GESTR	1	1	A_PMT_E125993_5/6/2015 8:09:09 AM Job Reference (optional)

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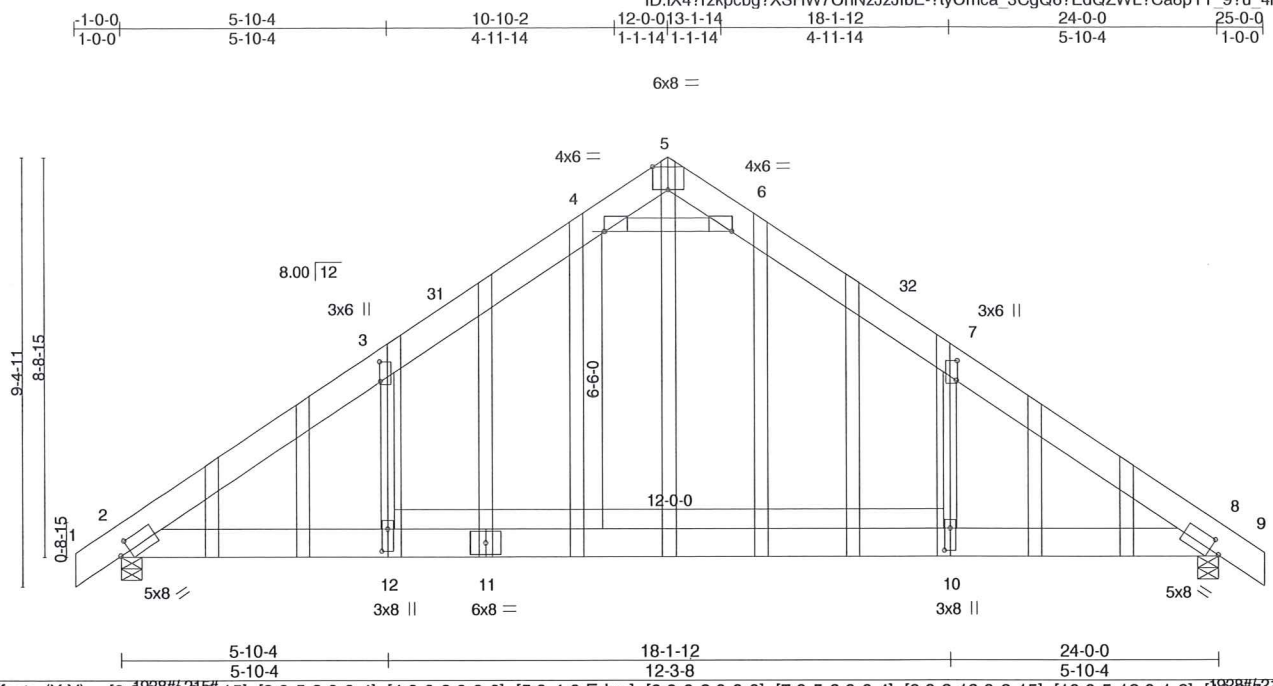

1928#/215# 1928#/215#

Plate Offsets (X,Y)-- [2:0-2-13,0-2-15], [3:0-5-3,0-0-4], [4:0-0-2,0-0-0], [5:0-4-0,Edge], [6:0-0-2,0-0-0], [7:0-5-3,0-0-4], [8:0-2-13,0-2-15], [10:0-5-12,0-1-8], [12:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	46.2	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.44	10-12	>646	240	MT20	169/123
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.48	Vert(TL)	-0.78	10-12	>362	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.03	8	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)		Attic	-0.23	10-12	629	360		
BCDL	10.0										Weight: 238 lb	FT = 0%

LUMBER-
TOP CHORD 2x8 SP M 23
BOT CHORD 2x8 SP M 23
WEBS 2x4 SPF-S No.2
OTHERS 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=1859/0-5-8 (min. 0-1-10), 8=1859/0-5-8 (min. 0-1-10)
Max Horz 2=340(LC 8)
Max Uplift 2=-215(LC 9), 8=-215(LC 10)
Max Grav 2=1928(LC 2), 8=1928(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2622/176, 3-31=-1840/307, 4-31=-1611/342, 4-5=-115/1446, 5-6=-115/1446, 6-32=-1611/342, 7-32=-1841/307, 7-8=-2622/176
BOT CHORD 2-12=0/1799, 11-12=0/1804, 10-11=0/1804, 8-10=0/1799
WEBS 4-6=-3551/555, 3-12=0/1028, 7-10=0/1028

NOTES- (13)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 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 16.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-12, 7-10
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 10-12
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 8=215.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Attic room checked for L/360 deflection.
13) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard