Job	Truss	Truss Type	Qty	Ply	LAVENDIER
060876	T01-2	ATTIC	2	2	Job Reference (optional)

Mainely Trusses, Inc., Fairfield, ME

8.130 s Sep 15 2017 MiTek Industries, Inc. Tue Nov 28 07:3

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Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/20/17

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [3:0-2-12,0-2-4], [4:0-3-0,0-2-12], [5:0-6-0,0-1-8], [9:0-6-0,0-1-8], [10:0-4-0,0-4-8], [11:0-2-12,0-2-12], [13:Edge,0-2-4], [14:0-2-8,0-3-8], [15:0-3-12,0-3-8]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.6 **	Plate Grip DOL 1.15	TC	0.54	Vert(LL)	-0.34	14-15	>876	240	MT20	197/144
(Ground Snow=60.0)		Lumber DOL 1.15	BC	0.83	Vert(TL)	-0.54	14-15	>548	180		
TCDL	7.0	Rep Stress Incr NO	WB	0.34	Horz(TL)	0.01	13	n/a	n/a		
BCLL	0.0	Code IRC2009/TPI2007	Matrix-MRH		Attic	-0.22	14-15	837	360	Weight: 436 lb	FT = 20%
BCDL	10.0										

LUMBER-

TOP CHORD 2x6 SPF No.2 *Except*
4-7: 2x6 SP 2400F 2.0E, 7-10: 2x6 SPF 2100F 1.8E

BOT CHORD 2x6 SPF No.2 *Except*
15-17: 2x6 SPF 2100F 1.8E, 14-15: 2x10 SP 2400F 2.0E

WEBS 2x4 SPF No.2 *Except*
2-17,11-13,3-16: 2x6 SPF No.2

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, Except: 6-0-0 oc bracing: 15-16.

JOINTS 1 Brace at Jt(s): 18

REACTIONS. (lb/size) 13=1816/0-3-8, 16=3324/0-3-4
Max Horz 16=528(LC 7)
Max Uplift 13=-161(LC 9), 16=-332(LC 8)
Max Grav 13=2079(LC 4), 16=3439(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-227/566, 3-4=-2540/123, 4-5=-3240/117, 5-6=-1647/312, 6-7=-372/131, 7-8=-494/135, 8-9=-1545/276, 9-10=-2455/113, 11-13=-181/302

BOT CHORD 15-16=-472/675, 14-15=0/1397, 13-14=0/1496

WEBS 3-15=-109/2473, 4-15=-2643/0, 5-15=0/2375, 6-18=-1450/319, 8-18=-1450/319, 9-14=0/1354, 10-14=-274/189, 2-16=-377/279, 10-13=-2579/0, 3-16=-2940/217

NOTES- (14)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) ** TCLL: ASCE 7-05; Pg=60.0 psf (ground snow); Ps= varies (min. roof snow=35.6 psf) see load cases; Category II; Exp C; Partially Exp.; Ct=1.1
5) Roof design snow load has been reduced to account for slope.
6) Unbalanced snow loads have been considered for this design.
7) 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.
8) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) Ceiling dead load (7.0 psf) on member(s). 4-5, 5-6, 8-9, 6-18, 8-18; Wall dead load (5.0psf) on member(s).5-15, 9-14
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (7.0 psf) applied only to room. 14-15
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)

Continued on page 2

STATE OF MAINE
JUAN GARCIA
No. 10090
LICENSED
PROFESSIONAL ENGINEER

November 28,2017

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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