Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/08/18

Job:(HMP32083) / 1C1

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

Top chord 2x4 SPF 2100f-1.8E
Bot chord 2x4 SPF(S) #2
Webs 2x4 SPF(S) #2

MAX CSI: TC = 0.64, BC = 0.92, WEBS = 0.78.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top Chord overhang(s) may be field trimmed.

100 mph wind, 22.04 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=6.0 psf, wind BC DL=6.0 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral restraint equally spaced on member.

Calculated vertical deflection is 0.13" due to live load at X = 8-4-0 and 0.21" due to total load at X = 8-4-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II (Is=1.00) & Pf=46.20 psf.

R=1802# U=257# RL=182/-182# W=5"8
(Rigid Surface)

R=1802# U=257# W=5"8
(Rigid Surface)

LEFT RAKE = 1'1"7

RIGHT RAKE = 1'1"7

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 14 TOTAL= 14

REV. 17.02.02.1205.20

SEQ = 124474
SCALE =0.2500

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WARNING! READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	46.2psf	REF	
TC DL	10.0psf	DATE	02-08-2018
BC DL	10.0psf	DRWG	
BC LL	0.0psf		jh
TOT.LD.	66.2psf	O/A LEN.	25
DUR.FAC.	1.15	JOB #:	HMP32083
SPACING	24.0"	TYPE	COMN