Job	Truss	Truss Type	Qty	Ply	24 HAVERTY'S
163134	T01	Common	12	1	Job Reference (optional)

Structures R.B.R. inc., Saints-Anges, Beauce, Canada, C.Picard

7.640 s Oct 7 2015 MiTek Industries, Inc. Tue Jul 1
ID:dc_6wEJBpkA5WIEWTo7a5Xy47LB-By0Z4?DyhzHyaIUtWpDo_uU3gif

Plate Offsets (X,Y)– [1:0-0-9,0-0-12], [11:0-1-3,0-1-12], [12:0-2-12,0-1-8], [13:0-3-0,0-3-0], [15:0-3-0,0-3-0], [16:0-2-12,0-1-8]

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	0.91	Vert(LL)	-0.15	13-14	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL 1.15	BC	0.62	Vert(TL)	-0.26	13-14	>999	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.76	Horz(TL)	0.10	12	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	(Matrix)		Wind(LL)	0.07	14-15	>999	240	Weight: 127 lb	FT = 15%
BCDL	8.0										

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x3 SPF No.2 *Except*
W5: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 8-1-12 oc bracing.
WEBS 1 Row at midpt 7-14, 5-14
with 2x3 SPF No.2 with 2 - 10d (0.148"x3") nails and cross brace spacing of 20-0-0 oc.

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

REACTIONS. (size) 12=0-5-8, 16=0-5-8
Max Horz 16=360(LC 7)
Max Uplift 12=-466(LC 9), 16=-466(LC 8)
Max Grav 12=1943(LC 1), 16=1943(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-215/0, 2-3=-227/10, 3-4=-183/22, 4-5=-2365/546, 5-6=-1820/514, 6-7=-1820/514, 7-8=-2365/546, 8-9=-183/22, 9-10=-227/10, 10-11=-215/0
BOT CHORD 1-16=0/166, 15-16=-523/1911, 15-17=-389/1891, 17-18=-389/1891, 14-18=-389/1891, 14-19=-284/1891, 19-20=-284/1891, 13-20=-284/1891, 12-13=-378/1911, 11-12=0/166
WEBS 6-14=-321/1119, 7-14=-855/342, 7-13=-9/225, 8-13=-50/158, 8-12=-2360/588, 10-12=-262/138, 5-14=-855/342, 5-15=-8/225, 4-15=-49/157, 4-16=-2360/587, 2-16=-262/139

NOTES-
1) Wind: ASCE 7-05; 115mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; 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
2) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 = 8.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 12 and 466 lb uplift at joint 16.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/29/16

Job	Truss	Truss Type	Qty	Ply	24 HAVERTY`S
163134	T01G	Common Supported Gable	2	1	Job Reference (optional)

Structures R.B.R. inc., Saints-Anges, Beauce, Canada, C.Picard

7.640 s Oct 7 2015 MiTek Industries, Inc. Tue Jul 19
ID:dc_6wEJBpkA5WlEWTo7a5Xy47LB-7K8JVhFCDaYgpbeGeEGG3JZbkWRt

Plate Offsets (X,Y)– [1:0-2-13,0-0-0], [19:0-2-13,0-0-0], [27:0-2-8,0-3-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=60.0)		Lumber DOL 1.15	BC	0.21	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr YES	WB	0.40	Horz(TL)	0.01	20	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	(Matrix)							Weight: 138 lb	FT = 15%
BCDL	8.0										

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x3 SPF No.2
WEDGE
Left: 2x3 SPF No.2, Right: 2x3 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 10-27, 9-28, 11-26
with 2x3 SPF No.2 with 2 - 10d (0.148"x3") nails and cross brace spacing of 20-0-0 oc.

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

REACTIONS. (size) 27=30-0-0, 28=30-0-0, 29=30-0-0, 30=30-0-0, 31=30-0-0, 32=30-0-0, 33=30-0-0, 34=30-0-0, 26=30-0-0, 25=30-0-0, 24=30-0-0, 23=30-0-0, 22=30-0-0, 21=30-0-0, 20=30-0-0
Max Horz 34=-360(LC 6)
Max Uplift 28=-83(LC 8), 29=-108(LC 8), 30=-96(LC 8), 31=-105(LC 8), 32=-76(LC 8), 33=-231(LC 7), 34=-156(LC 6), 26=-81(LC 9), 25=-109(LC 9), 24=-96(LC 9), 23=-104(LC 9), 22=-78(LC 9), 21=-208(LC 6), 20=-122(LC 7)
Max Grav 27=323(LC 1), 28=378(LC 12), 29=352(LC 12), 30=285(LC 12), 31=242(LC 1), 32=263(LC 12), 33=202(LC 1), 34=368(LC 12), 26=380(LC 13), 25=352(LC 13), 24=285(LC 13), 23=242(LC 1), 22=264(LC 13), 21=200(LC 1), 20=372(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-201/189, 2-3=-202/218, 3-4=-199/225, 4-5=-117/185, 5-6=-81/188, 6-7=-34/228, 7-35=0/267, 8-35=0/275, 8-9=-2/326, 9-10=-15/363, 10-11=-18/352, 11-12=-5/312, 12-36=0/261, 13-36=0/254, 13-14=-8/215, 14-15=-55/168, 15-16=-93/159, 16-17=-169/193, 17-18=-172/186, 18-19=-178/182
BOT CHORD 1-34=-175/207, 33-34=-152/184, 32-33=-152/184, 31-32=-152/184, 30-31=-152/184, 29-30=-152/184, 28-29=-152/184, 27-28=-152/184, 26-27=-151/185, 25-26=-151/185, 24-25=-151/185, 23-24=-151/185, 22-23=-151/185, 21-22=-151/185, 20-21=-151/185, 19-20=-151/185
WEBS 10-27=-291/0, 9-28=-347/102, 8-29=-320/127, 7-30=-252/116, 6-31=-212/120, 5-32=-221/109, 4-33=-194/157, 2-34=-274/108, 11-26=-347/101, 12-25=-320/128, 13-24=-252/116, 14-23=-212/120, 15-22=-221/110, 16-21=-193/154, 18-20=-275/102

NOTES-
1) Wind: ASCE 7-05; 115mph; TCDL=4.2psf; BCDL=4.8psf; h=25ft; Cat. II; Exp B; 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*
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
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.

Continued on page 2

CITY OF PORTLAND, MAINE RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/29/16

Job	Truss	Truss Type	Qty	Ply	24 HAVERTY`S
163134	T01G	Common Supported Gable	2	1	Job Reference (optional)

Structures R.B.R. inc., Saints-Anges, Beauce, Canada, C.Picard

7.640 s Oct 7 2015 MiTek Industries, Inc. Tue Jul 1

ID:dc_6wEJBpkA5WEWTo7a5Xy47LB-7K8JVhFCDaYgpbeGeEGG3JZbkWR

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/29/16

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 28, 108 lb uplift at joint 29, 96 lb uplift at joint 30, 105 lb uplift at joint 31, 7 231 lb uplift at joint 33, 156 lb uplift at joint 34, 81 lb uplift at joint 26, 109 lb uplift at joint 25, 96 lb uplift at joint 24, 104 lb uplift at joint 23, 78 lb uplift at joint 22, 208 lb uplift at joint 21 an 20.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

LOAD CASE(S) Standard

CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/29/16

NOT FOR CONSTRUCTION

ROOF AREA
1037

RBR structures
394, PRINCIPAL AVENUE
SAINTS-ANGES, QUÉBEC
G0S 3E0
TEL.: 418-253-5454
WWW.STRUCTURESRBR.CA

FLOOR TRUSSES | PRE-FAB WALLS | ROOF TRUSSES

TRUSS PLATE INSTITUTE
MEMBER
WTCA REPRESENTING THE STRUCTURAL BUILDING COMPONENTS INDUSTRY

LEGEND :
◄ = RED END

BUILDING CODE :
IBC 2012 TPIC '07

CUSTOMER:

JOB NAME :
24 HAVERTY'S

JOB#
163134-T

TOWN :
PORTLAND, ME

REVISIONS :

#	DATE	DESCRIPTION

GSL : 60 PSF
TCLL : 46 PSF

DRAWN BY:
C.PICARD

DATE: 19/07/2016

SCALE
NTS

1

RESURGAM. MAINE. AND. CITY OF PORTLAND
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 08/29/16

SECTION 1 (F-1)
1"=1'-0"

SECTION 2 (F-1)
1"=1'-0"

FOUNDATION PLAN
1/4"=1'-0"

FOUNDATION NOTES

1. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 3000 LBS PER SQUARE FOOT
2. NO FOOTING SHALL BE PLACED IN WATER OR ON FROZEN SOIL.
3. ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 4'-0" BELOW FINISHED GRADE.
4. A MINIMUM OF 6" COMPACTED GRAVEL OR STONE SHALL BE PLACED UNDER ALL POURED CONCRETE SLABS.
5. ALL POURED CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 LBS PER SQUARE INCH.
6. ALL POURED CONCRETE FOUNDATIONS SHALL BE IN ACCORDANCE WITH INTERNATIONAL RESIDENTIAL CODE R401-R408
7. DO NOT BACKFILL AGAINST WALL UNTIL CONCRETE HAS REACHED ITS DESIGN STRENGTH AND WALLS ARE ADEQUATELY BRACED.
8. DAMPPROOFING IS TO BE PLACED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
9. FOOTINGS PLACED ON FILL TO BE ENGINEERED BY OTHERS

RDI

RESIDENTIAL DESIGN INC
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CONSTRUCTION DRAWINGS
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AIBD AMERICAN INSTITUTE OF BUILDING DESIGN NORTHEAST

PROJECT
FALMOUTH FORESIDE LLC
SINGLE FAMILY HOME
24 HAVERTY'S WAY
PORTLAND, ME

SHEET TITLE
FOUNDATION PLAN & DETAILS

DATE
6-24-2016

REVISIONS
1. 8-29-2016

SHEET NUMBER
F-1