

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-		CSL		DEFL.		PLATES	GRIP
TCLL	46.2	Plate Grip DOL	2-0-0	TC	0.91	in (loc)	l/def	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.62	Vert(LL)	-0.15 13-14 >999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.76	Vert(TL)	-0.26 13-14 >999		
BCLL	0.0 *	Code IBC2009/TP12007		(Matrix)		Horz(TL)	0.10 12 n/a n/a		
BCDL	8.0					Wind(LL)	0.07 14-15 >999		
								Weight: 127 lb	FT = 15%

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.
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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; TCCL=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) TCCL: 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/TP1 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

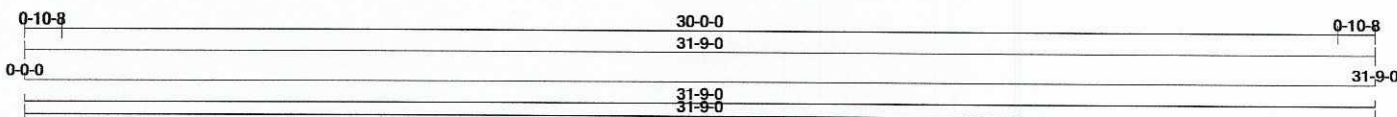
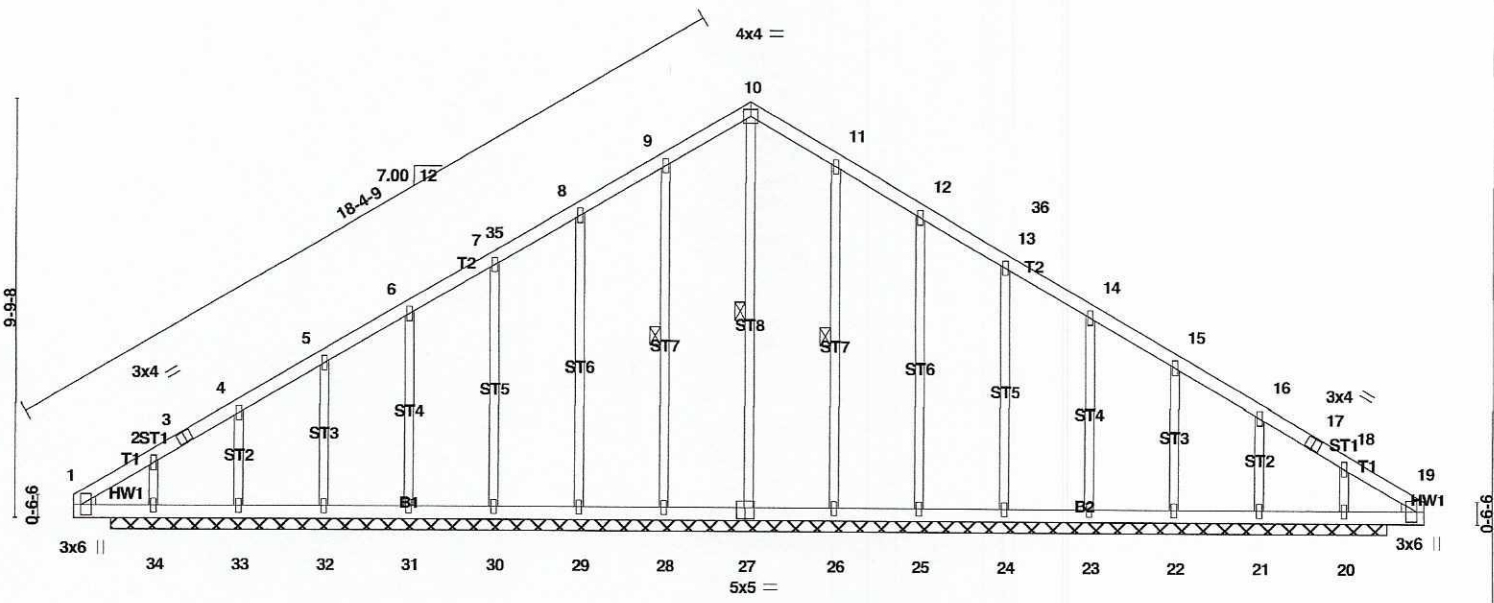
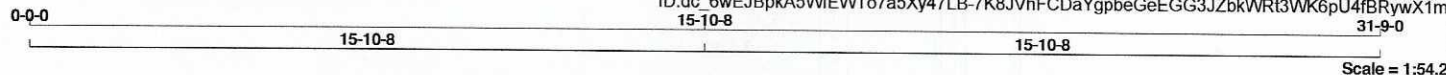


Plate Offsets (X,Y) - [1:0-2-13,0-0-0], [19:0-2-13,0-0-0], [27:0-2-8,0-3-0]

LOADING (psf)	SPACING-	CSL	DEFL	PLATES	GRIP
TCLL 46.2 (Ground Snow=60.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.17 BC 0.21 WB 0.40 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 20 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0 *					
BCDL 8.0					
				Weight: 138 lb	FT = 15%

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.
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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; TCCL=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.

Job 163134	Truss T01G	Truss Type Common Supported Gable	Qty 2	Ply 1	24 HAVERTY'S
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Structures R.B.R. inc., Saints-Anges, Beauce, Canada, C.Picard

Job Reference (optional)

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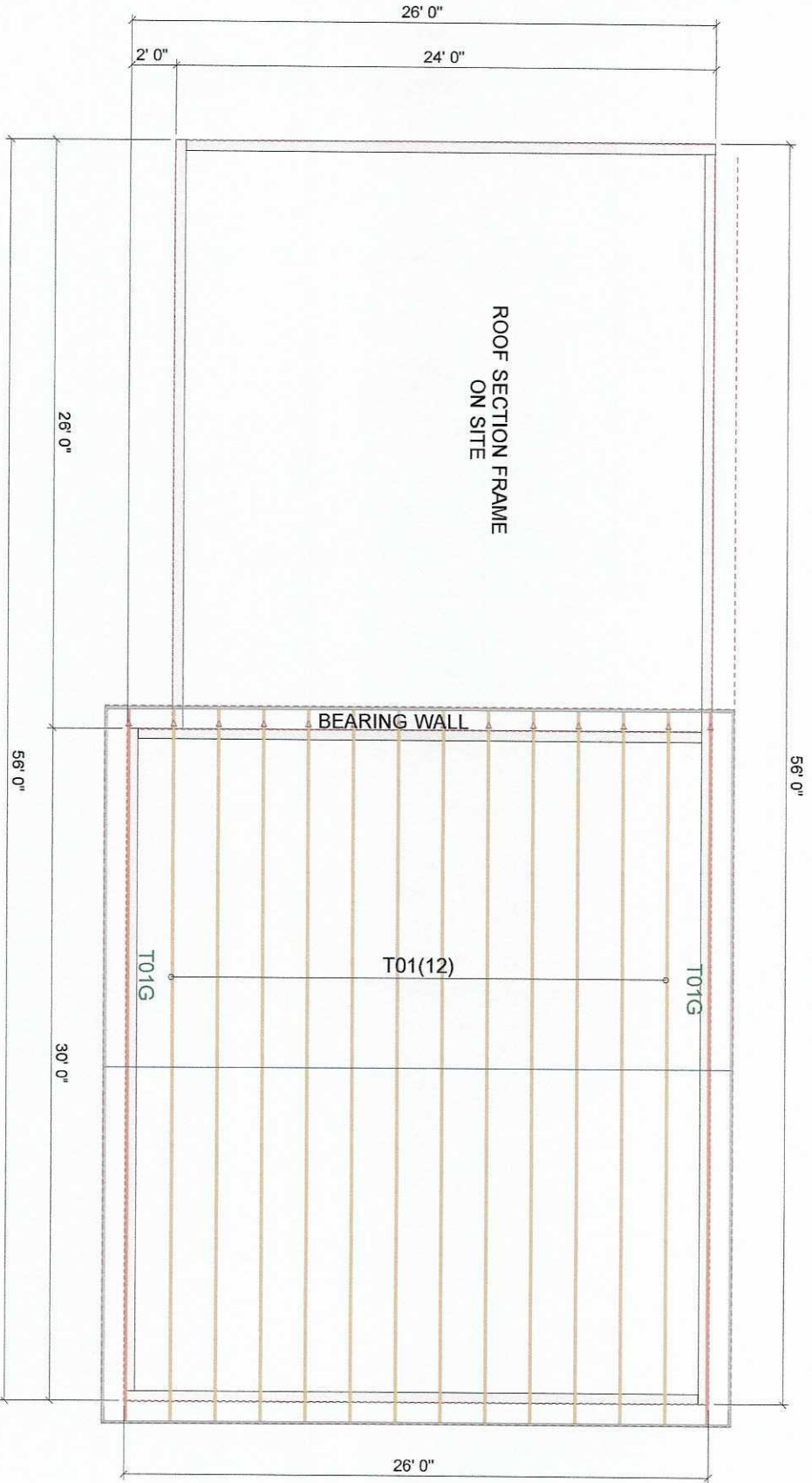
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NOTES-

- 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, 76 lb uplift at joint 32, 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 and 122 lb uplift at joint 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

****NOT FOR CONSTRUCTION****



ROOF AREA
1037

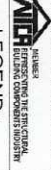


394, PRINCIPAL AVENUE
SAINT-SANGES, QUEBEC
G0S 3E0
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WWW.STRUCTURESRRR.QA

FLOOR TRUSSES
ROOF TRUSSES

PRE-FAB WALLS
ROOF TRUSSES



LEGEND:
▲ = RED END

BUILDING CODE :
IBC 2012 TPIC '07

CUSTOMER:

JOB NAME :
24 HAVERTY'S

JOB#
163134-T

TOWN :
PORTLAND, ME

REVISIONS:

#	DATE	DESCRIPTION

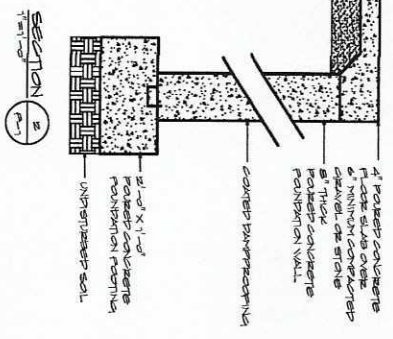
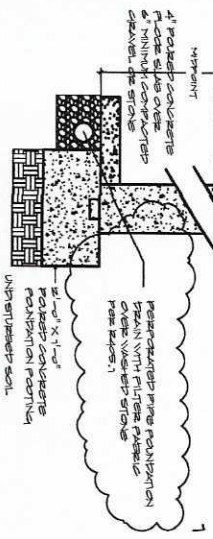
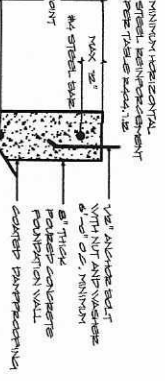
GSL : 60 PSF
TCLL : 46 PSF

DRAWN BY:
C.PICARD

DATE: 19/07/2016

SCALE
NTS

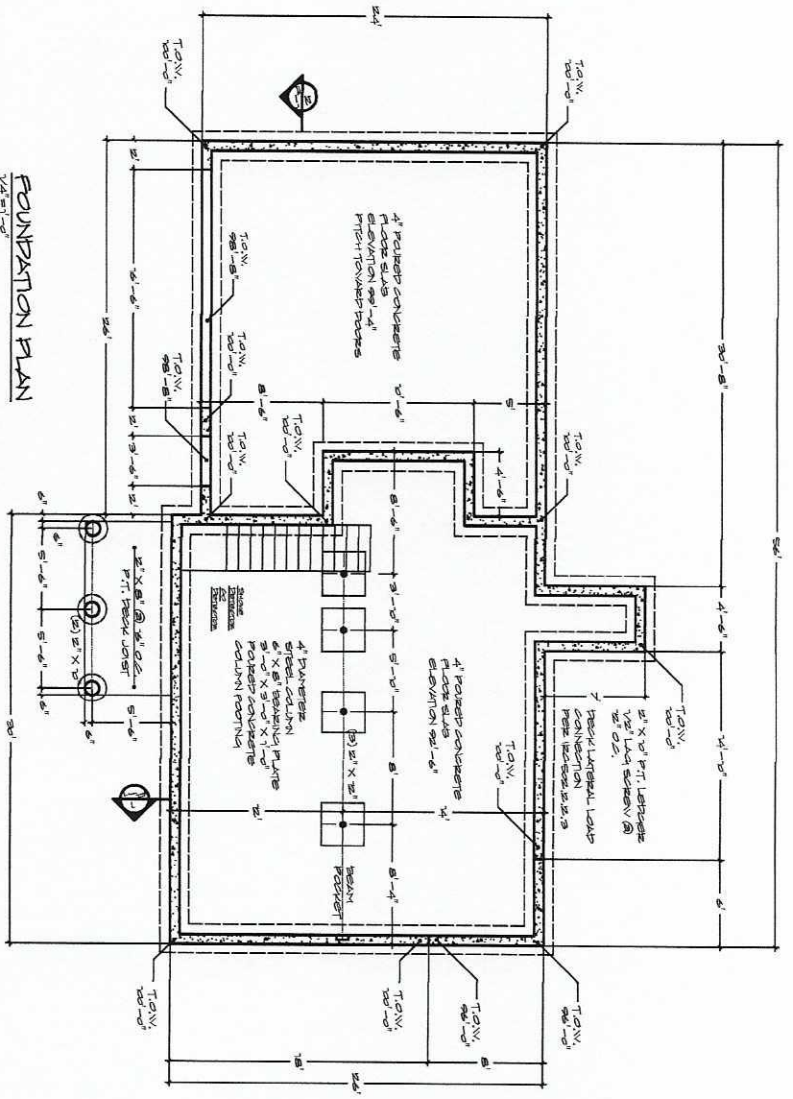
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FOUNDATION NOTES

1. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL. MAINTAIN 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" BEYOND FINISHED GRADE.
4. A MINIMUM OF 6" COMPACTED GRAVEL OR STONE SHALL BE PLACED UNDER ALL PAVER CONCRETE SLABS.
5. ALL PAVER CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 LBS PER SQUARE INCH.
6. ALL PAVER CONCRETE FOUNDATIONS SHALL BE IN ACCORDANCE WITH INTERNATIONAL RESIDENTIAL CODE BOOKS.
7. DO NOT BACKFILL AGAINST WALL UNTIL CONCRETE HAS REACHED ITS DESIGN STRENGTH AND WALLS ARE ADEQUATELY BRACED.
8. BACKFILLING IS TO BE PLACED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
9. FOOTINGS PLACED ON HILL TO BE ANCHORED BY OTHERS.

FOUNDATION PLAN



RDI	RESIDENTIAL DESIGN INC. RESIDENTIAL DESIGN CONSULTANTS CONSULTATION DRAWINGS	PROJECT PALMOUTH FORESTS LLC SINGLE FAMILY HOME 24 HAVERTY'S WAY PORTLAND, ME	DATE 6-24-2016	REVISIONS 1. 8-29-2016	SHEET NUMBER F-1	FOUNDATION PLAN & DETAILS	SHEET TITLE	APPROVAL REGISTERED PROFESSIONAL ENGINEER	P.O. BOX 67 CONWAY, NH 03828 603-882-8888 WWW.RDI-INC.COM
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