

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE INTERNATIONAL BUILDING CODE 2009. DESIGN ACCORDING TO AISI S100-07, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND WITH ANS/ASCE 7-05.
2. NO LOADS OTHER THAN THOSE GIVEN UNDER "DESIGN DATA" BELOW SHALL BE IMPOSED ON THE "STRUCTURE".
3. SPECIFIC NOTES AND DETAILS SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE BUILDING MANUAL SUPPLIED.
4. THE BUILDING, INCLUDING THE FOUNDATION, MUST BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE DRAWING AND ERECTION INSTRUCTIONS. ANY DEVIATION, UNLESS APPROVED BY US IN WRITING, SHALL NULLIFY OUR CERTIFICATE AND SEAL AND SHALL BE THE SOLE RESPONSIBILITY OF THE ERECTOR.
5. A PROFESSIONAL ENGINEER SHOULD BE RETAINED WHERE SITE INSPECTIONS ARE WARRANTED.
6. NO ARCH PANEL MAY BE CUT OR MODIFIED UNLESS IT IS TO ACCOMMODATE AN ACCESSORY PROVIDED BY THE MANUFACTURER IN ACCORDANCE WITH ITS INSTRUCTIONS AND/OR THIS DRAWING.

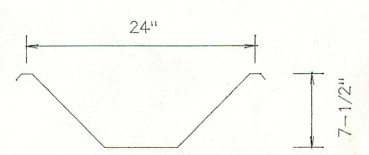
FOUNDATION NOTES

- NOTE: THE FOUNDATION ON THE DRAWING SPECIFIES THE MINIMUM REQUIREMENTS. LOCAL BUILDING CODE AND SITE CONDITIONS MAY REQUIRE A STRONGER FOUNDATION, WHICH MUST BE DESIGNED BY A LOCAL ENGINEER.
1. THE FOUNDATION SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 1500 psf. THIS SHALL BE DESIGNED TO FULLY RESIST ALL ROTATION AT THE BASE OF THE ARCH.
 2. SLAB ON GRADE SHALL BE PLACED ON WELL COMPACTED SOIL CAPABLE OF SUSTAINING 1800 psf WITHOUT APPRECIABLE SETTLEMENT.

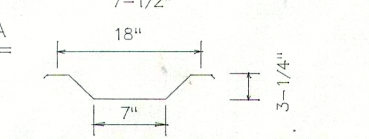
DESIGN DATA (MATERIALS)

1. CONCRETE $F'_c = 2500$ PSI @ 28 DAYS, ACI
2. REINFORCING STEEL GRADE 40, $F_y = 40$ KSI, ASTM A615
3. W.M.R. $F_y = 65$ KSI, ASTM A185.
4. W.M.R. 6 x 6 - W1.4 x W1.4

ARCH DATA



ENDWALL DATA



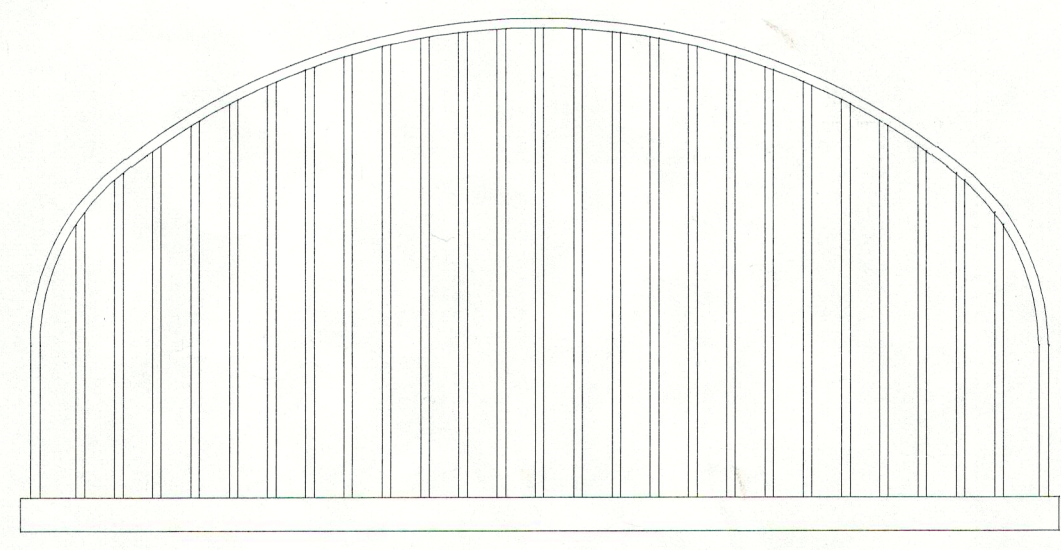
BOLTS: SAE GRADE 2 OR ASTM A307
 ARCH STEEL THICKNESS - SEE ARCH PROFILE
 ENDWALL STEEL THICKNESS = 0.03 in.

GALVALUME SHEET STEEL
 STRUCTURAL QUALITY ASTM SPECIFICATION A792-06a
 55% ALUMINUM-ZINC ALLOY (HOT DIP COATING)
 ASTM A792 GRADE 50A
 50 KSI MINIMUM YIELD
 65 KSI MINIMUM TENSILE
 HSS SECTIONS SHALL CONFORM TO:
 ASTM A500 GRADE B ($F_y = 46$ ksi)
 W SECTIONS SHALL CONFORM TO:
 ASTM A992 GRADE 50 ($F_y = 50$ ksi)
 OTHER SECTIONS SHALL CONFORM TO:
 ASTM A36 ($F_y = 36$ ksi)

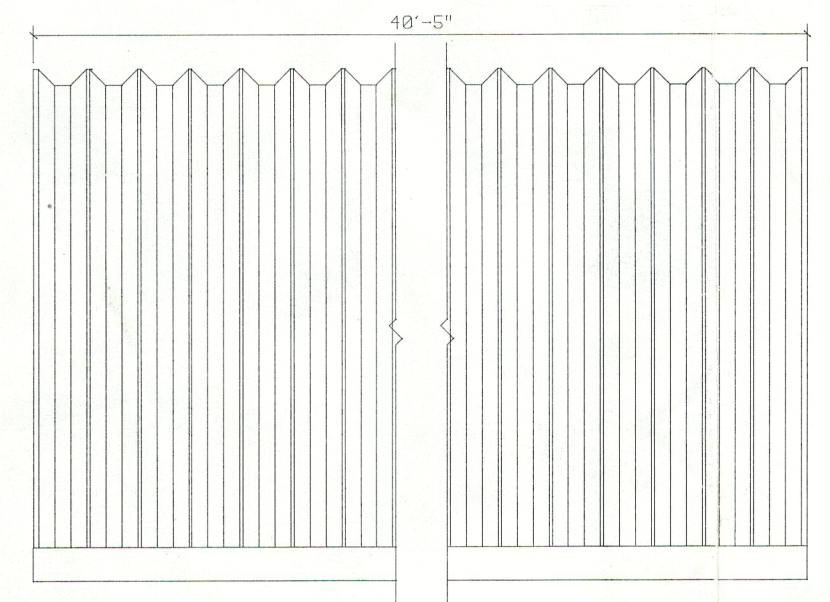
ARCH DESIGN DATA IN ACCORDANCE WITH ANS/ASCE 7-05
 ROOF LIVE LOAD (PSF) = 20
 PGF GROUND SNOW LOAD (PSF) = 18
 CE_f EXPOSURE FACTOR = 1.0
 CT_f THERMAL FACTOR = 1.0
 IMPORTANCE FACTOR (SNOW) = 1.0
 CATEGORY 1/AGRI-CULTURAL BUILDING
 P_{net} COMPONENT WIND PRESSURE (PSF) = +/- 19
 V BASIC WIND SPEED (MPH) = 100
 K_z VELOCITY PRESSURE EXPOSURE = 0.85
 IMPORTANCE FACTOR (WIND) = 0.87
 WIND EXPOSURE CATEGORY = C
 SEISMIC DESIGN CATEGORY = A

LEGAL NOTE
 This drawing is the property of Future Steel Buildings Int. Corp. Any duplication of this drawing in whole or in part is strictly forbidden. Anyone doing so will be prosecuted under the full extent of the law.

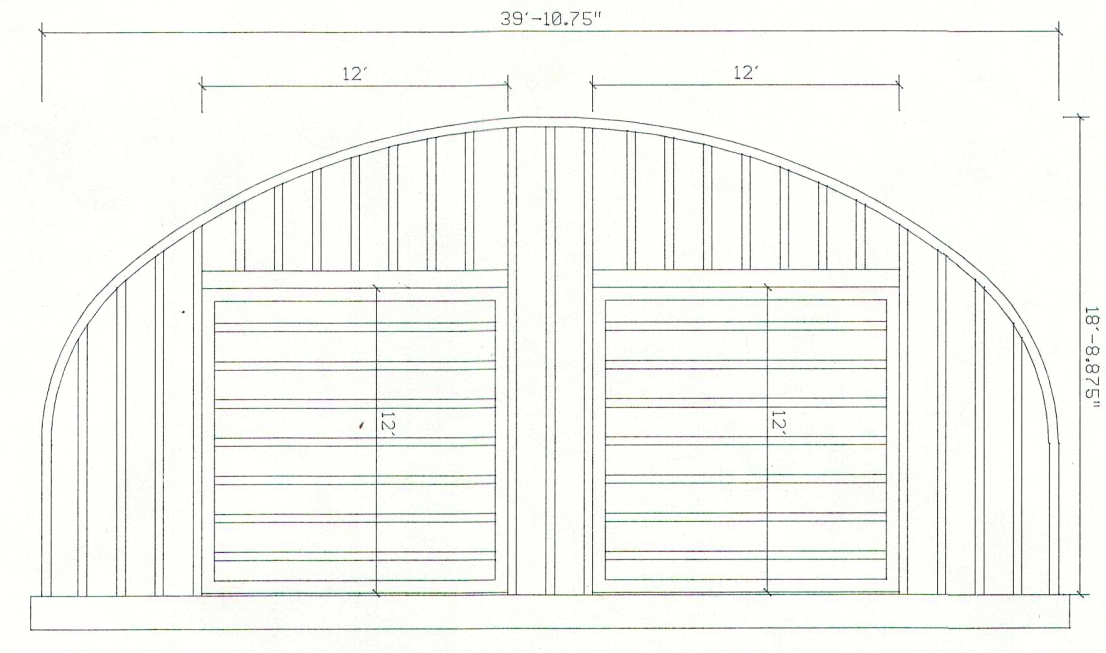
SteelMaster Buildings	
73 Vand Rd., Brantford, Ontario, Canada, L9S 6R6, Phone: (505) 798-8500	
SCALE: N.T.S.	APPROVED BY: P. GUO
DATE: 05/2013	CHECKED BY: K. POLLOCK
PROJECT: NATHANIAL SNIPE'S	CHECKED BY:
	SUFFOLK, VIRGINIA
MODEL: S40-19	DWG: 81-44028



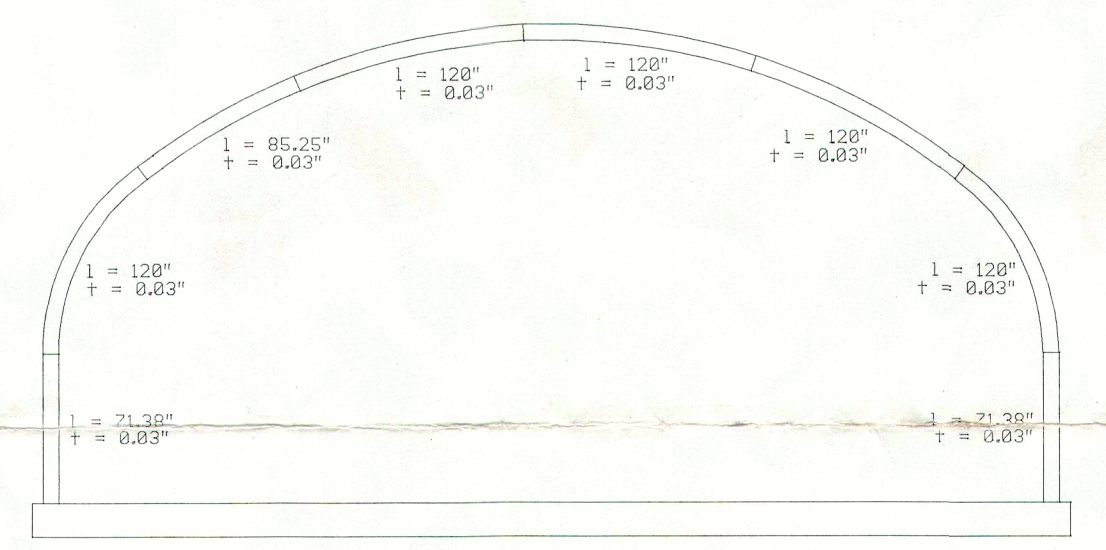
REAR ELEVATION



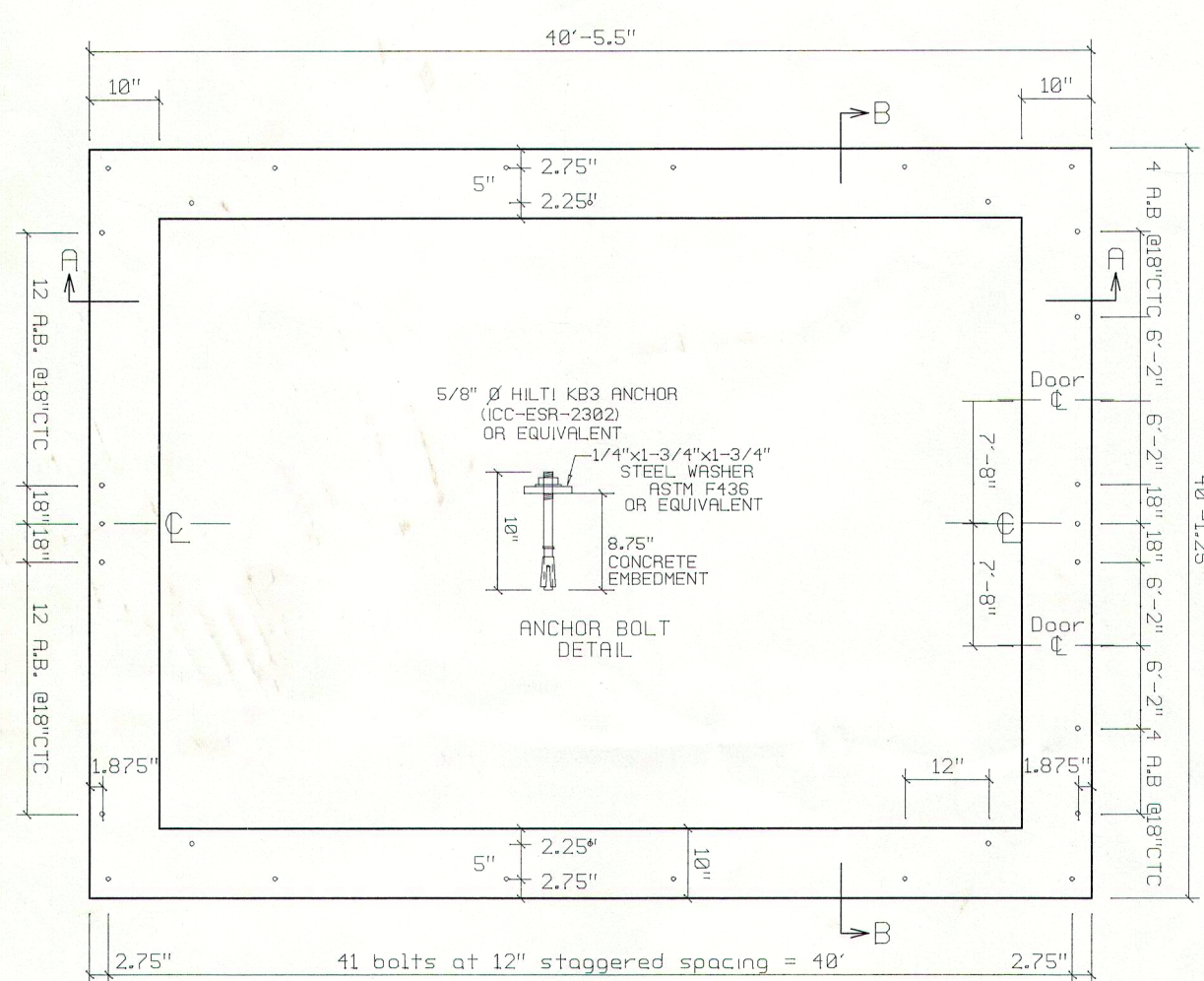
SIDE ELEVATION



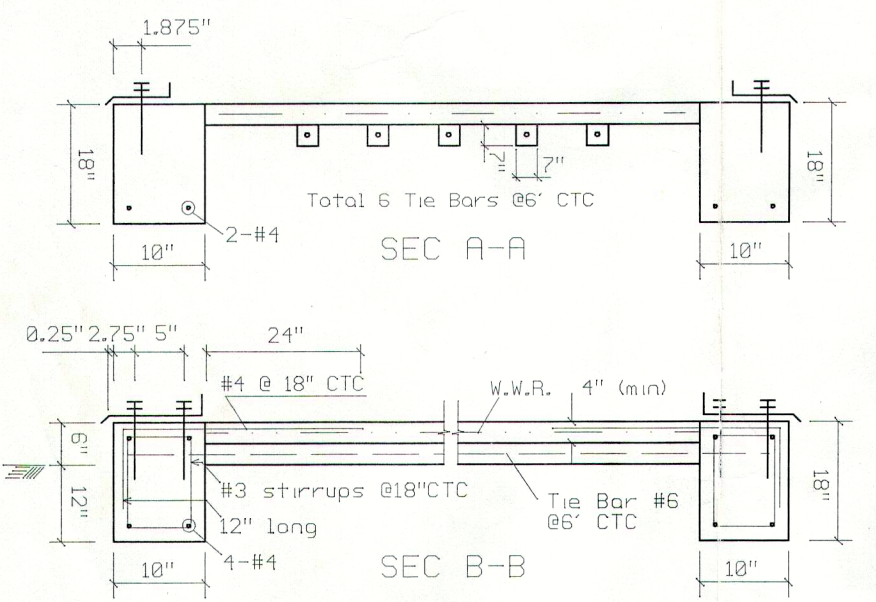
FRONT ELEVATION



ARCH PROFILE

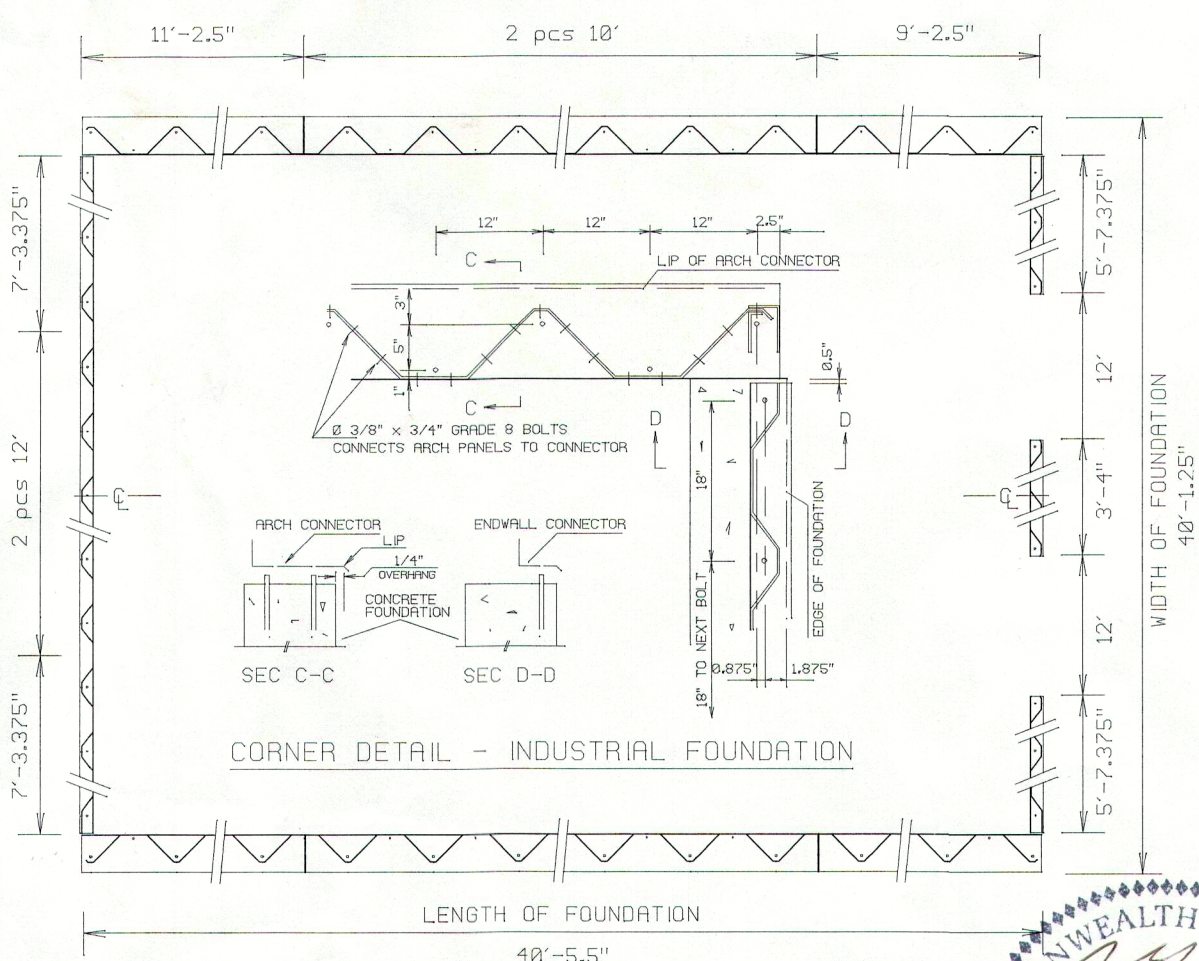


FOUNDATION PLAN



WARNING: DO NOT REMOVE OR REDUCE THE CONCRETE FLOOR OR THE #4 TIE BARS @ 18" CTC, AND/OR RAISE THE TOPS OF THE FOOTERS ABOVE THE FLOOR OR BUILDING FAILURE MAY RESULT

Minimum Concrete Cover:
 (a) Concrete Cast against earth: 3"
 (b) Concrete exposed to earth or weather: 2"
 No. 6 through No. 10 bars:
 No. 5 bar and smaller: 1.5"
 (c) Concrete not exposed to earth or weather: 0.75"



INDUSTRIAL BASE CONNECTOR LAYOUT

