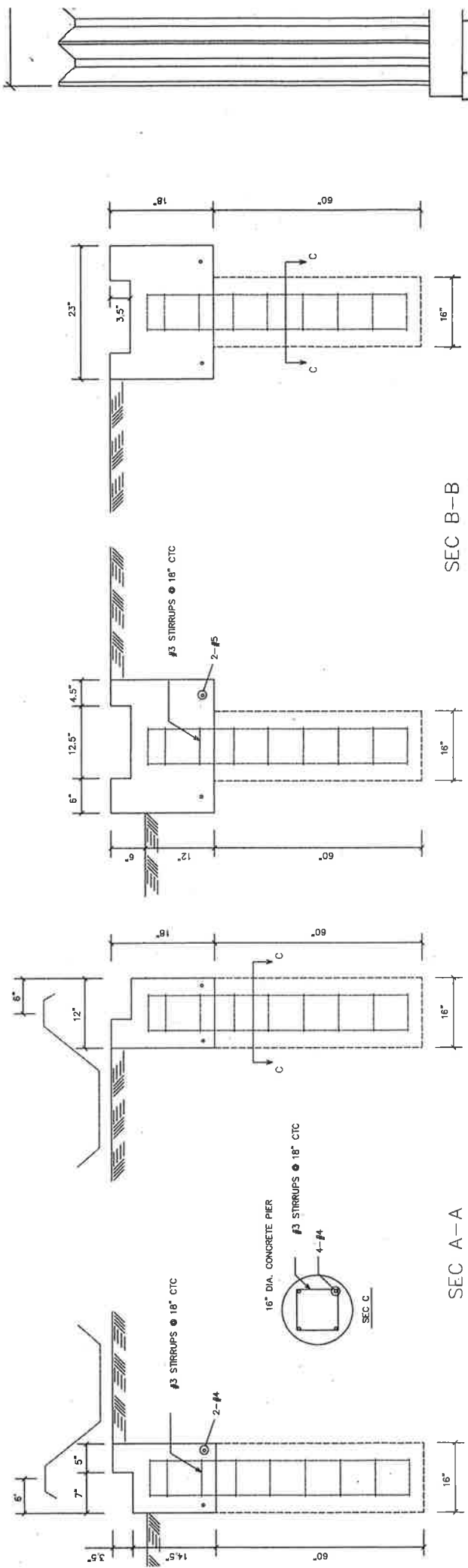


REAR ELEVATION

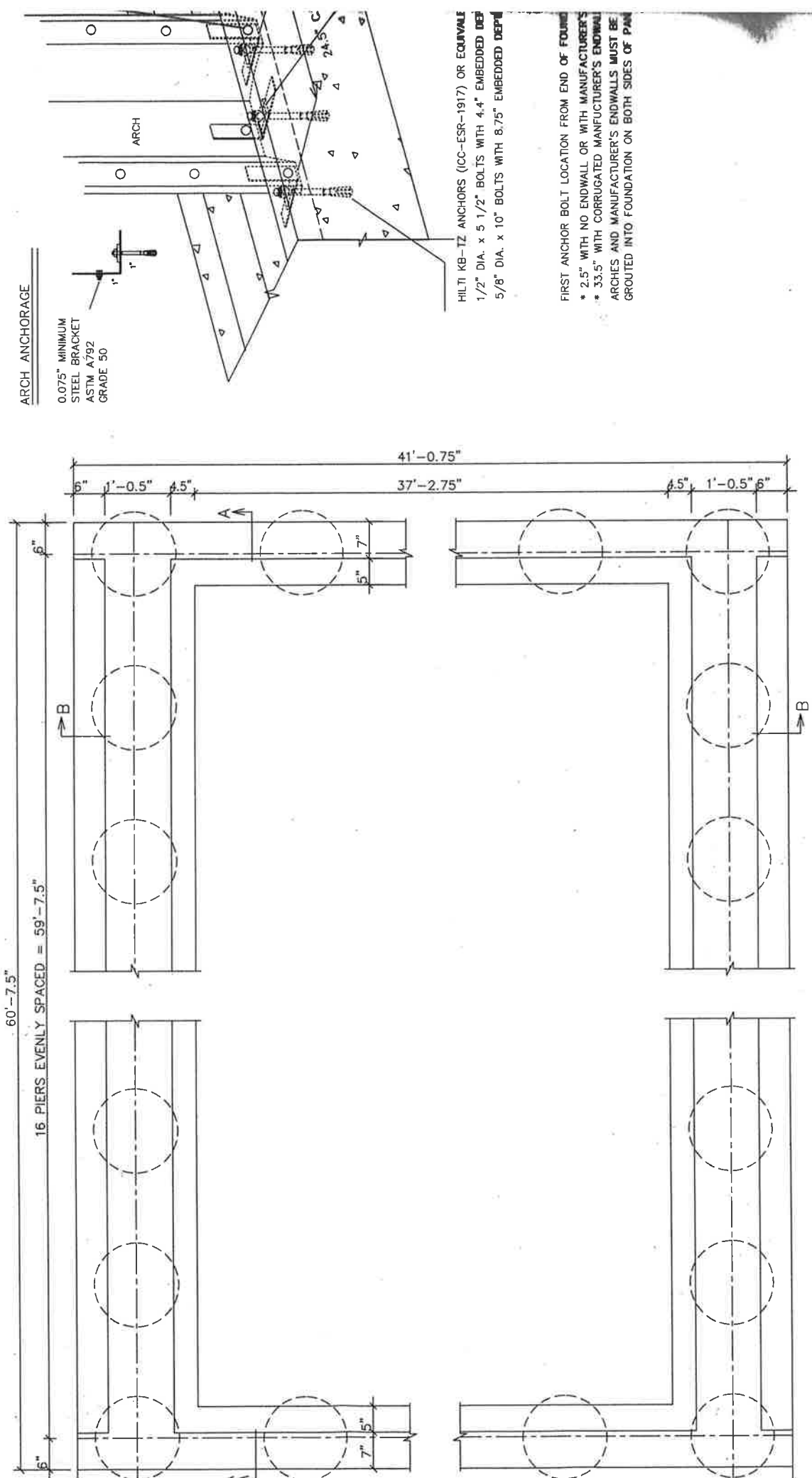
OVERHEAD DOOR TO BE DESIGNED AND SUPPLIED BY OTHERS

ARCH PROFILE



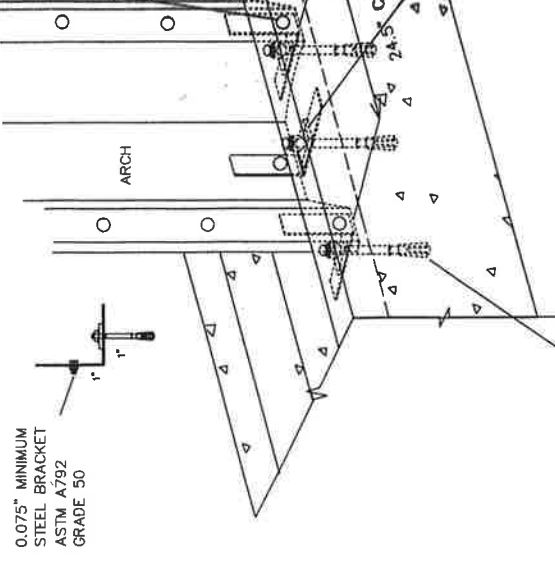
Minimum Concrete Cover:

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



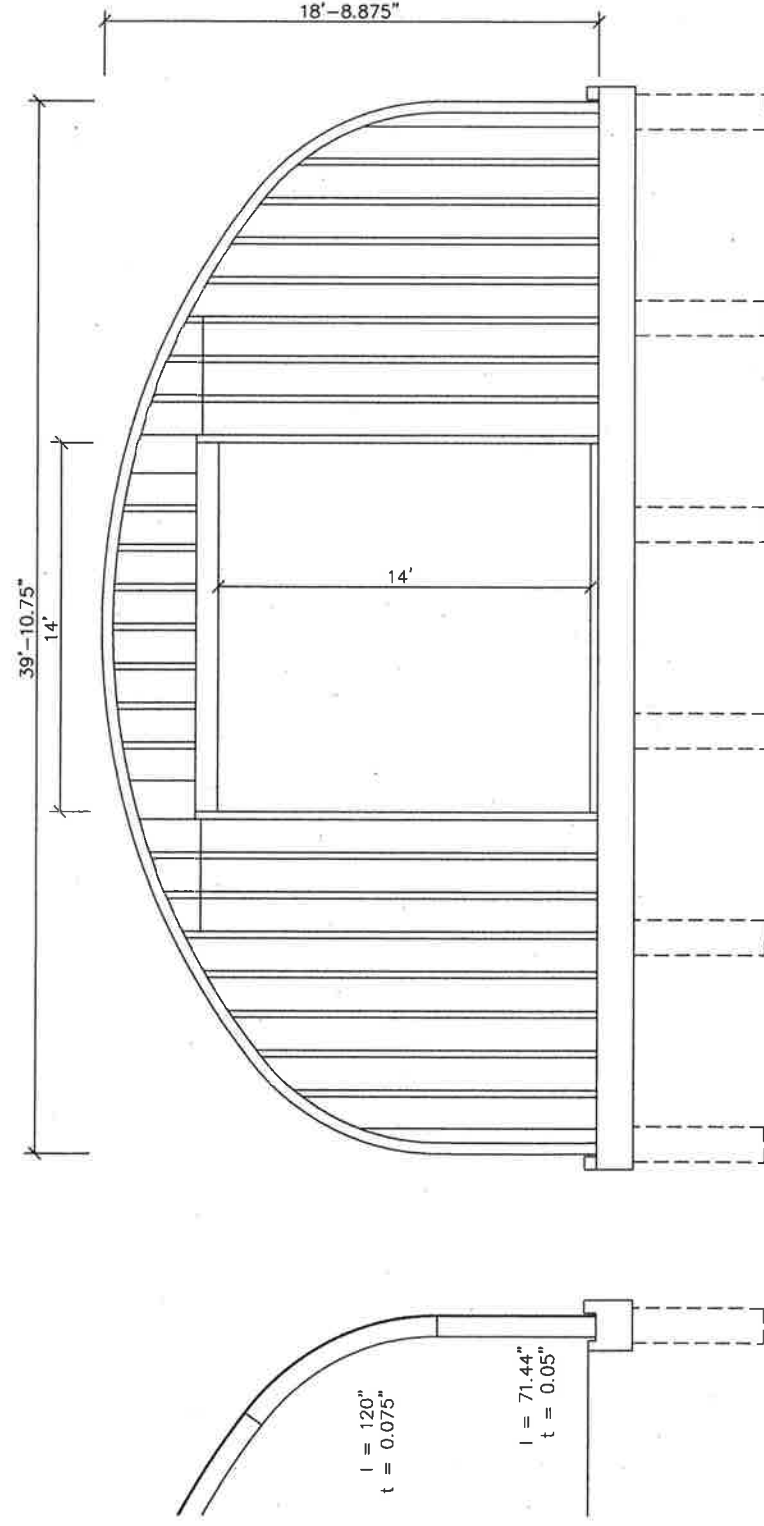
FOUNDATION PLAN

ARCH ANCHORAGE



HILTI KB-TZ ANCHORS (ICC-ESR-1917) OR EQUIVALENT
1/2" DIA. x 5 1/2" BOLTS WITH 4.4" EMBEDDED DEPTH
5/8" DIA. x 10" BOLTS WITH 8.75" EMBEDDED DEPTH

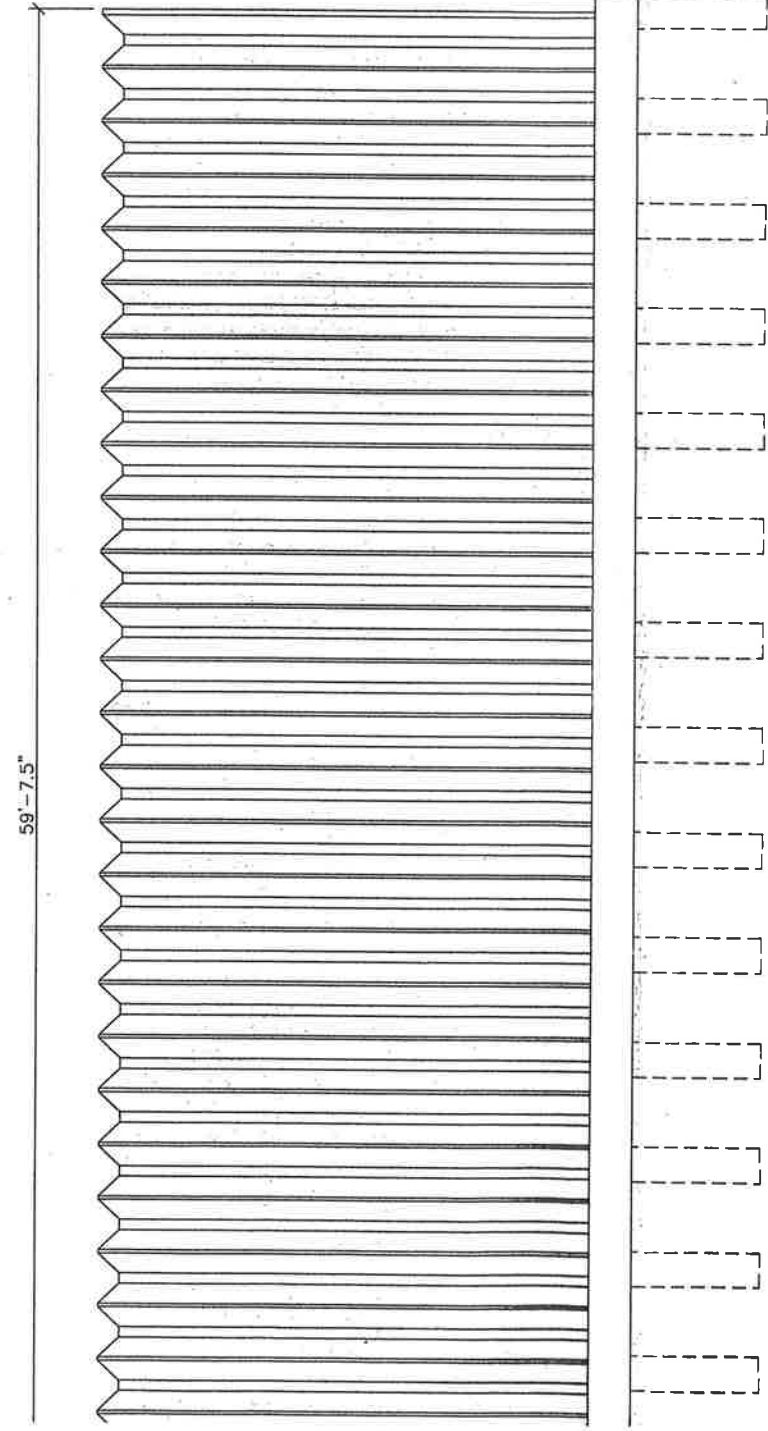
FIRST ANCHOR BOLT LOCATION FROM END OF FOUNDATION
• 2.5" WITH NO ENDWALL OR WITH MANUFACTURER'S ENDWALL
• 33.5" WITH CORRUGATED MANUFACTURER'S ENDWALL
ARCHES AND MANUFACTURER'S ENDWALLS MUST BE GROUTED INTO FOUNDATION ON BOTH SIDES OF PIER



END WALL PANELS TO BE CUT ON SITE BY OTHERS TO FIT FS3180 SERVICE DOOR

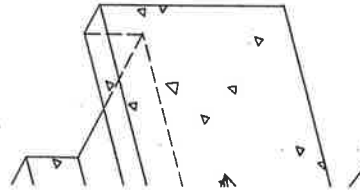
FRONT ELEVATION

OVERHEAD DOOR TO BE DESIGNED AND SUPPLIED BY OTHERS



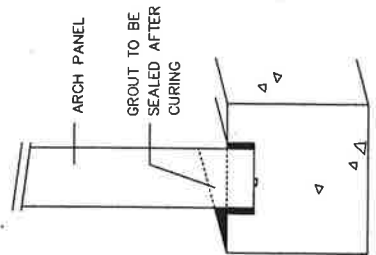
SIDE ELEVATION

JT10M BOLT GRADE 8.2
7/8" DIA. x 3/4"
LIMITED TO 45 FT-LBS

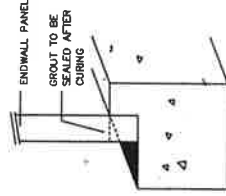


1/4"x1-3/4"x1-3/4"
STEEL WASHER
ASTM F436
OR EQUIVALENT

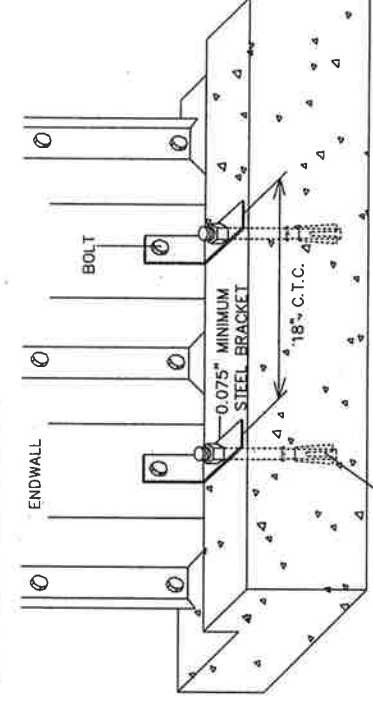
BUILDINGS LESS THAN 30'-0" WIDE
0'-0" WIDE AND GREATER



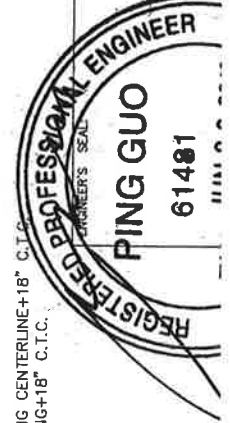
ANGLE & VERTICAL LEG LENGTH
MAY BE DIFFERENT FOR Q & X MODELS



ENDWALL ANCHORAGE



FIRST ANCHOR BOLT LOCATION:
* SOLID ENDWALL = 9" FROM BUILDING CENTERLINE+18" C.T.C.
* OPEN ENDWALL = 11" FROM OPENING+18" C.T.C.



1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST REVISION OF THE INTERNATIONAL BUILDING CODE 2015 AND THE 2016 CALIFORNIA BUILDING CODE. DESIGN ACCORDING TO AISI S100-12, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND WITH ANSI/ASCE 7-10.
2. NO LOADS OTHER THAN THOSE GIVEN UNDER "DESIGN DATA" BELOW SHALL BE IMPOSED ON THE "STRUCTURE" 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 INSTRUCTION AND/OR THIS DRAWING.

7. MINIMUM SEPARATION FROM THIS BUILDING TO ANY TALLER BUILDING MUST BE THE SMALLER OF 20 FEET AND 6 TIMES THE HEIGHT DIFFERENCE.

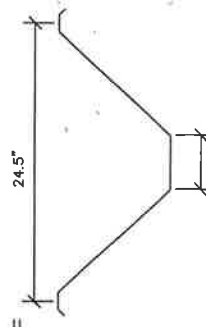
FOUNDATION NOTES

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 COMPACT SOIL CAPABLE OF SUSTAINING 1500 psf WITHOUT APPRECIABLE SETTLEMENT.

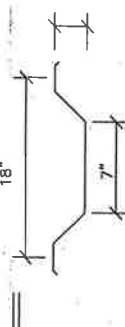
DESIGN DATA (MATERIALS)

1. CONCRETE $F'_c = 2500$ PSI @ 28 DAYS, ACI
2. REINFORCING STEEL GRADE 40, $F_y = 40$ KSI, ASTM A 601
3. W.W.R. $F_y = 65$ KSI, ASTM A1064.
4. W.W.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 A792-10
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 ANSI/ASCE 7-10
ROOF LIVE LOAD (PSF) = 38
Pg: GROUND SNOW LOAD (PSF) = 55
Ce: EXPOSURE FACTOR = 1.0
Ct: THERMAL FACTOR = 1.0
IMPORTANCE FACTOR (SNOW) = 0.8
CATEGORY 1/AGRICULTURAL BUILDING
Pnet: COMPONENT WIND PRESSURE (PSF) = +/- 25
V : BASIC WIND SPEED (MPH) = 115
Kh: VELOCITY PRESSURE EXPOSURE = 0.85
WIND EXPOSURE CATEGORY = C
SEISMIC DESIGN CATEGORY = D

3D ENDWALL

LEGAL NOTE

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REVISIONS:

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DATE:	CHECKED BY:
	MARGARET L. ALSTON
PROJECT:	