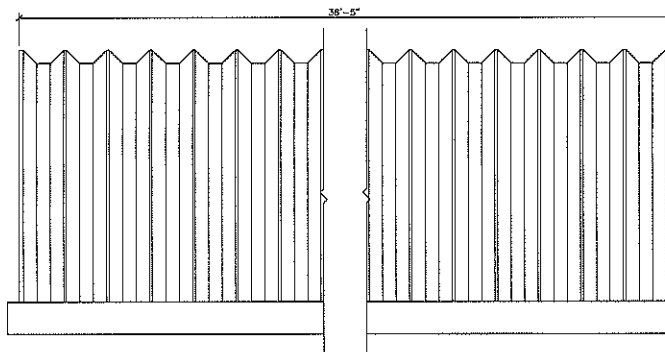
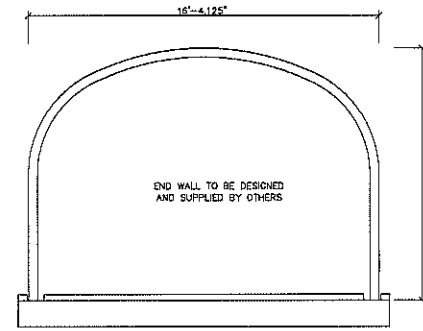


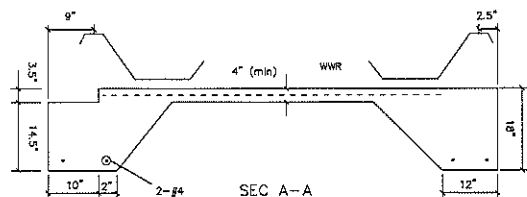
REAR ELEVATION



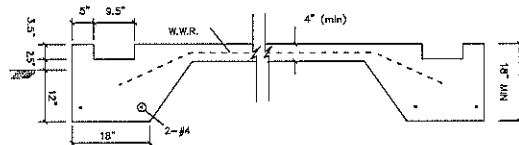
SIDE ELEVATION



FRONT ELEVATION



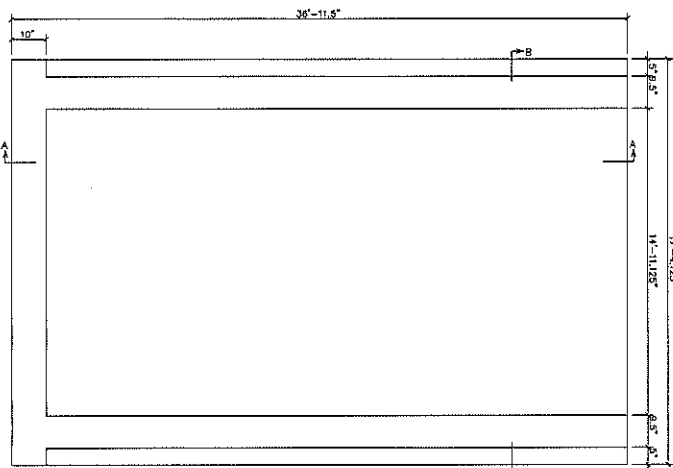
SEC A-A



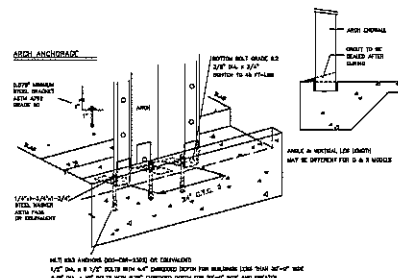
SEC B-B

WARNING: DO NOT REMOVE OR REDUCE THE CONCRETE FLOOR OR THE REINFORCING STEEL, AND/OR RAISE THE TOPS OF THE FOOTERS ABOVE THE FLOOR OR BUILDING FAILURE MAY RESULT

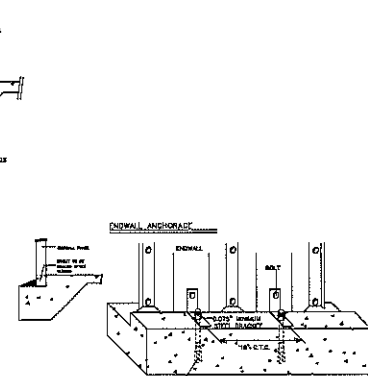
- Minimum Concrete Cover:
- (a) Concrete Cast against earth: 3"
  - (b) Concrete exposed to earth or weather:
    - No. 6 through No. 10 bars: 2"
    - No. 5 bar and smaller: 1.5"
  - (c) Concrete not exposed to earth or weather: 0.75"



FOUNDATION PLAN



ANCHORAGE DETAIL NOTES:  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE  
 FIRST ANCHOR MUST LOCATE FROM END OF FOUNDATION  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE



ENDWALL ANCHORAGE DETAIL NOTES:  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE  
 1/2" DIA. x 8" LONG POST WITH 4" CHAMFERED TOP FOR MAXIMUM LIFT THAT SET-UP USE

**GENERAL NOTES**

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE 2006. DESIGN ACCORDING TO AISI S100-07, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND WITH ANS/AISC 7-05.
- NO LOADS OTHER THAN THOSE GIVEN UNDER "DESIGN DATA" BELOW SHALL BE IMPROSED ON THE STRUCTURE.
- SPECIFIC NOTES AND DETAILS SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE BUILDING MANUAL SUPPLIED.
- 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.
- A PROFESSIONAL ENGINEER SHOULD BE RETAINED WHERE SITE INSPECTIONS ARE WARRANTED.
- 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.
- MINIMUM SEPARATION FROM THIS BUILDING TO ANY TALLER BUILDING MUST BE THE SMALLER OF 20 FEET AND 8 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 LEGAL ENGINEER.

- THE FOUNDATION SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 1500 P.S.F. THIS SHALL BE DESIGNED TO FULLY RESIST ALL ROTATION AT THE BASE OF THE ARCH.
- SLAB ON GRADE SHALL BE PLACED ON WELL COMPACTED SOIL CAPABLE OF SUSTAINING 1500 P.S.F. WITHOUT APPRECIABLE SETTLEMENT.

**DESIGN DATA (MATERIALS)**

- CONCRETE  $f'_c = 2800$  P.S.F. @ 28 DAYS, ACI
- REINFORCING STEEL GRADE 40,  $F_y = 40$  KSI, ASTM A615
- W.W.R.  $F_y = 85$  KSI, ASTM A188
- W.W.R.  $2 \times 8 = W14 \times W14$

**ARCH DATA**

ARCH DATA: 24" (width), 7.5" (height), 11.5" (height)

**ENDWALL DATA**

ENDWALL DATA: 16" (width), 7.5" (height), 11.5" (height)

**ARCH PROFILE**

ARCH PROFILE:  $l = 120"$ ,  $t = 0.03"$ ;  $l = 92.25"$ ,  $t = 0.03"$ ;  $l = 71.44"$ ,  $t = 0.03"$

**BOLTS: SAC 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  
 25K ALUMINUM-ZINC ALLOY (HOT DIP COATING)  
 ASTM A792 GRADE 30A  
 50 KSI MINIMUM YIELD  
 85 KSI MINIMUM TENSILE  
 W SECTION SHALL CONFORM TO:  
 ASTM A500 GRADE B ( $F_y = 46$  ksi)  
 W SECTION SHALL CONFORM TO:  
 ASTM A992 GRADE 50 ( $F_y = 50$  ksi)  
 OTHER SECTIONS SHALL CONFORM TO:  
 ASTM A325 ( $F_y = 36$  ksi)

**ARCH DESIGN DATA IN ACCORDANCE WITH ANS/AISC 7-05**  
 ROOF LIVE LOAD ( $P_L$ ) = 20  
 P<sub>g</sub> GROUND SNOW LOAD ( $P_{gF}$ ) = 50  
 OR EXPOSURE FACTOR = 1.0  
 DR THERMAL FACTOR = 1.0  
 IMPORTANCE FACTOR ( $I_{WH}$ ) = 0.8  
 CATEGORY I/AGRICULTURAL BUILDING  
 PRESSURE COMPONENT WIND PRESSURE ( $P_{WF}$ ) =  $+/-$  19  
 V  $\leq$  BASIC WIND SPEED ( $V_{BP}$ ) = 100  
 KN VELOCITY PRESSURE EXPOSURE = 0.80  
 IMPORTANCE FACTOR ( $I_{WH}$ ) = 0.87  
 WIND EXPOSURE CATEGORY = C  
 SPECIFIC DESIGN CATEGORY = D

**LEGAL NOTE**

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