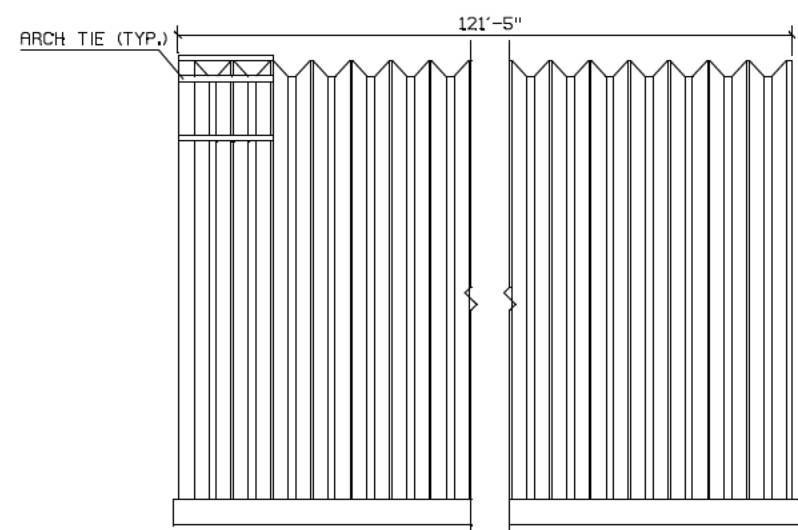
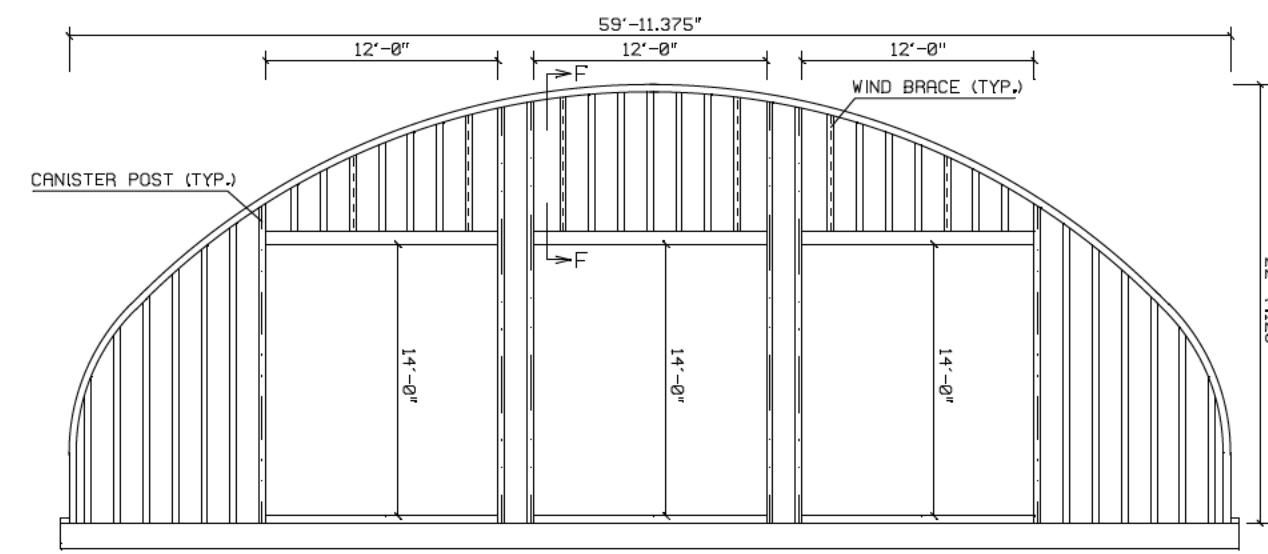


REAR ELEVATION

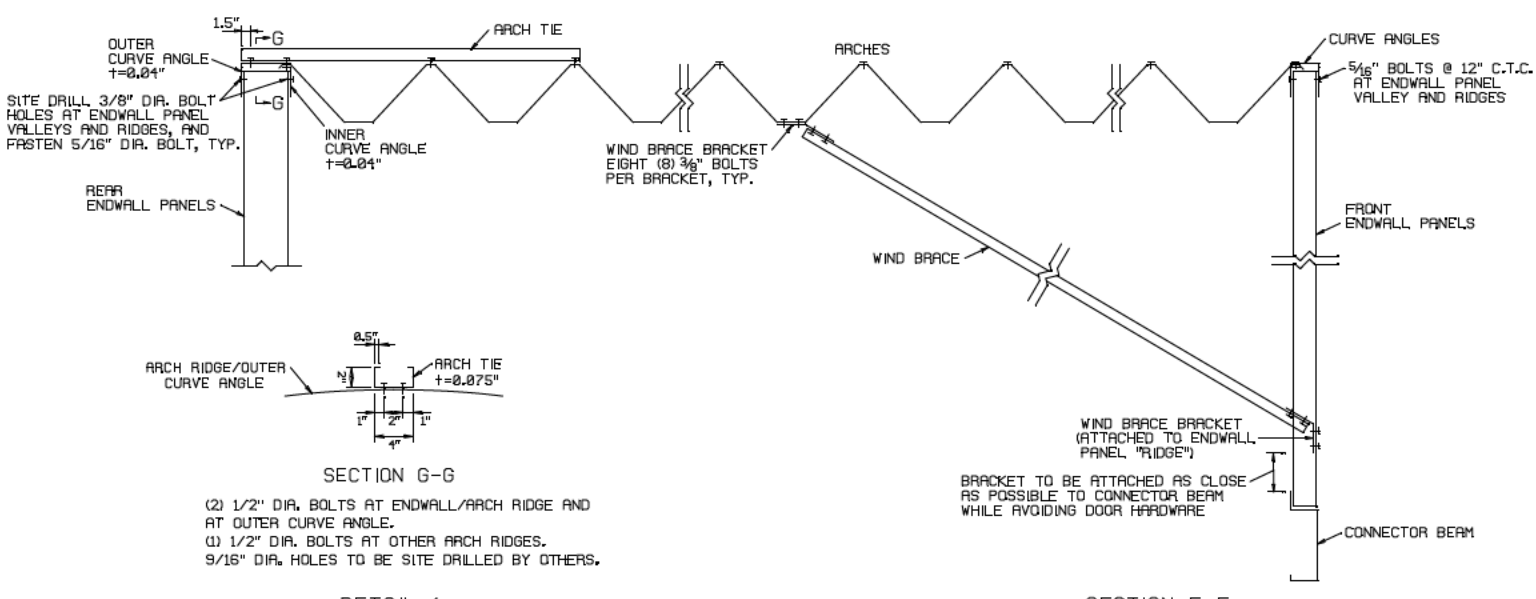


SIDE ELEVATION



FRONT ELEVATION

OVERHEAD DOORS TO BE DESIGNED AND SUPPLIED BY OTHERS

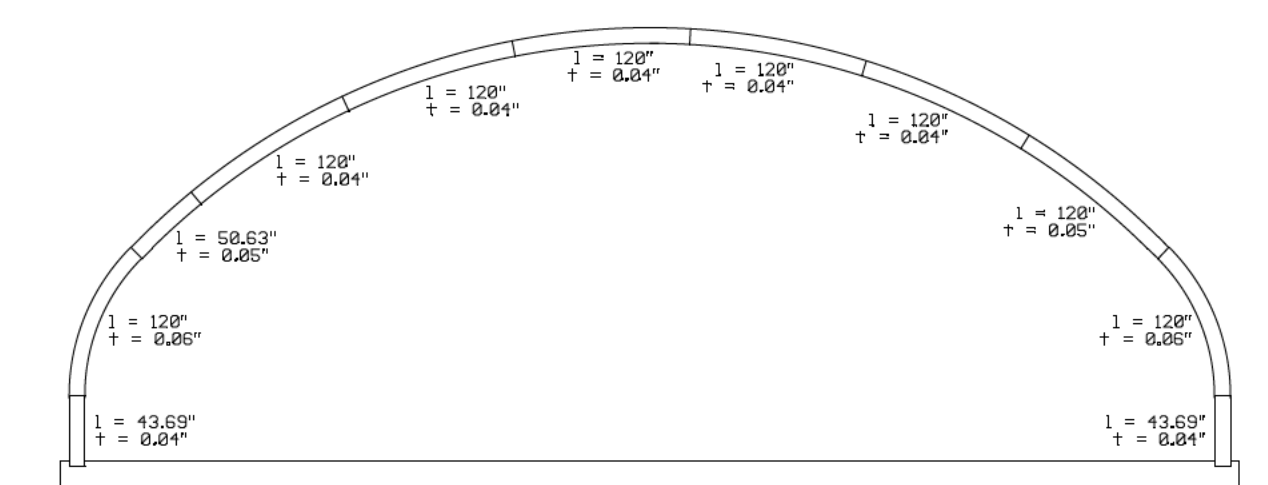


SECTION G-G

(2) 1/2" DIA. BOLTS AT ENDWALL/ARCH RIDGE AND AT OUTER CURVE ANGLE.  
(3) 1/2" DIA. BOLTS AT OTHER ARCH RIDGES.  
3/8" DIA. HOLES TO BE SITE DRILLED BY OTHERS.

DETAIL 1

SECTION F-F



ARCH PROFILE

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE INTERNATIONAL BUILDING CODE 2015. 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".
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.
7. MINIMUM SEPARATION FROM THIS BUILDING TO ANY TALLER BUILDING MUST BE THE SMALLER OF 20 FEET AND 5 TIMES THE HEIGHT DIFFERENCE.

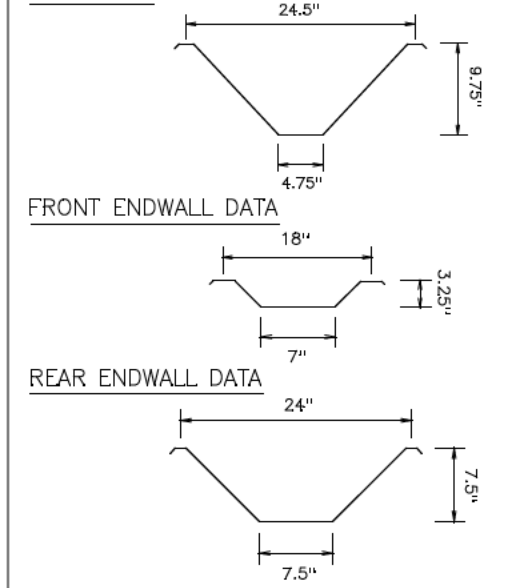
FOUNDATION NOTES

- 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 75 KPa. 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 75 KPa WITHOUT APPRECIABLE SETTLEMENT.

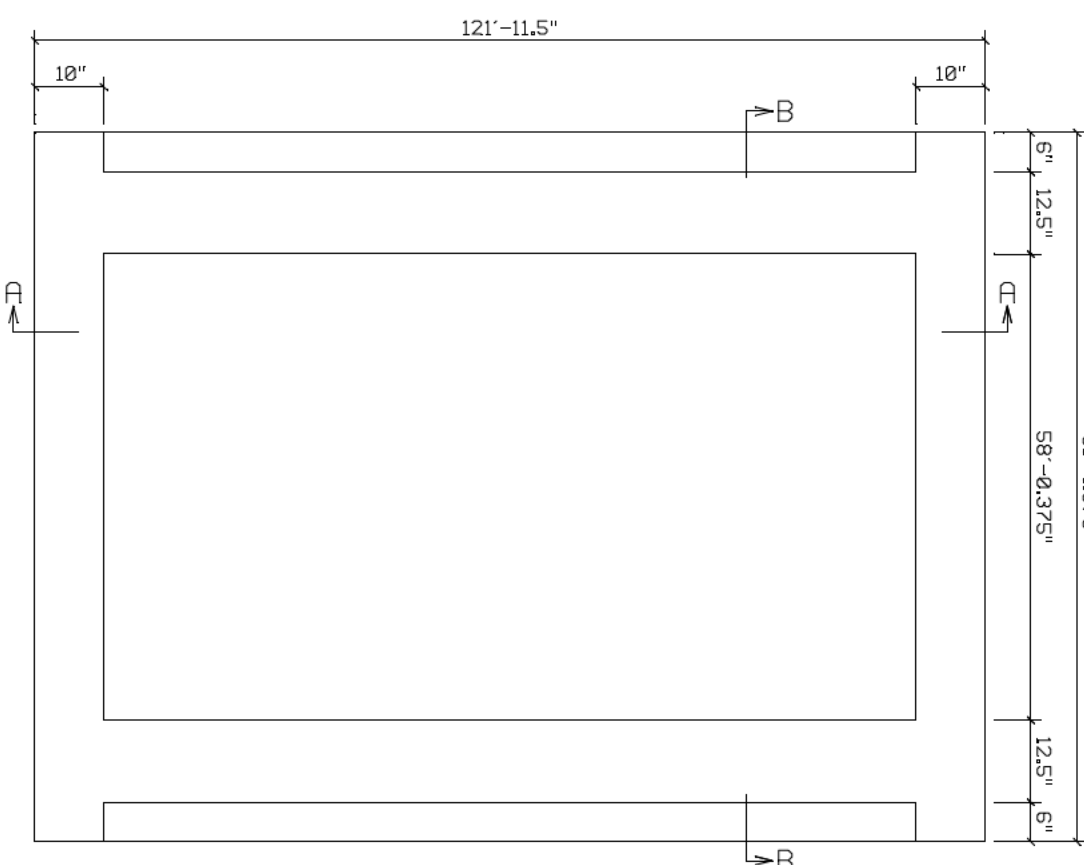
DESIGN DATA (MATERIALS)

1. CONCRETE  $F'_c = 25 \text{ MPa}$  @ 28 DAYS, CSA A23.3
2. REINFORCING STEEL GRADE 400,  $F_y = 400 \text{ MPa}$ , ASTM A615
3. W.W.R.  $F_y = 450 \text{ MPa}$ , ASTM A186.
4. W.W.R. 152x152 - MW9xMW9.

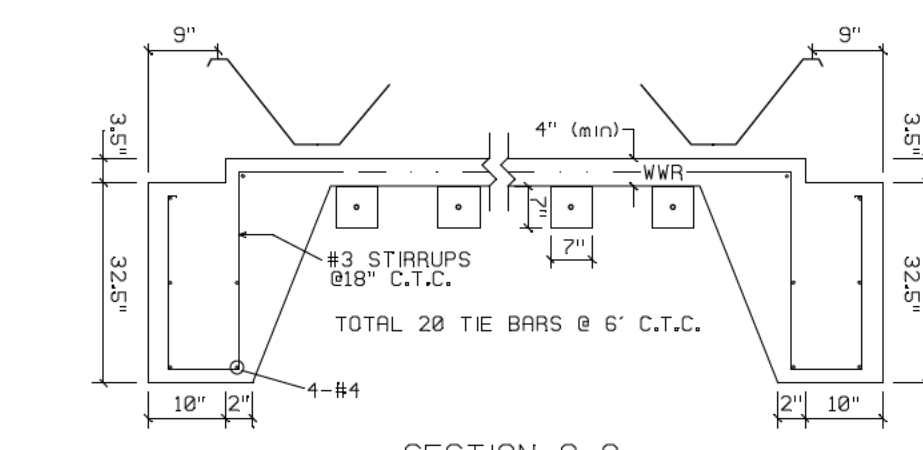
ARCH DATA



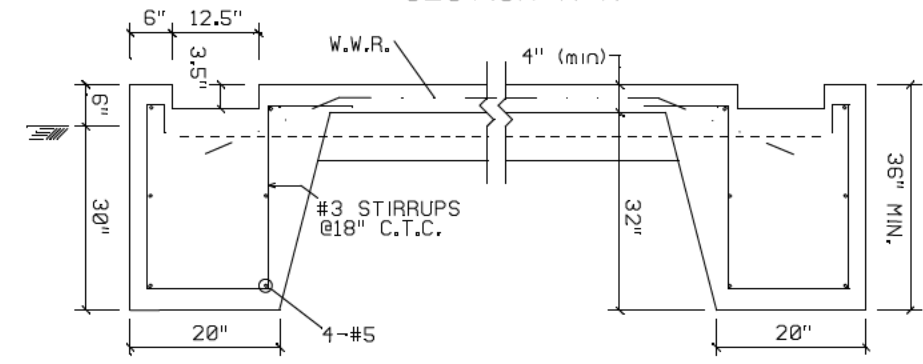
- BOLTS: SAE CLASS 10.9 OR ASTM A354 GR. B5  
ARCH STEEL THICKNESS - SEE ARCH PROFILE  
FRONT ENDWALL STEEL THICKNESS = 0.03"  
REAR ENDWALL STEEL THICKNESS = 0.04"  
GALVALUME SHEET STEEL  
STRUCTURAL QUALITY ASTM SPECIFICATION A792-10  
55X ALUMINUM-ZINC ALLOY (HOT DIP COATED)  
ASTM A792 GRADE 58A  
50 KSI MINIMUM YIELD  
65 KSI MINIMUM TENSILE  
HSS SECTIONS SHALL CONFORM TO:  
ASTM A500 GRADE B ( $F_y = 46 \text{ ksi}$ )  
W SECTIONS SHALL CONFORM TO:  
ASTM A992 GRADE 50 ( $F_y = 50 \text{ ksi}$ )  
OTHER SECTIONS SHALL CONFORM TO:  
ASTM A36 ( $F_y = 36 \text{ ksi}$ )



FOUNDATION PLAN



SECTION A-A

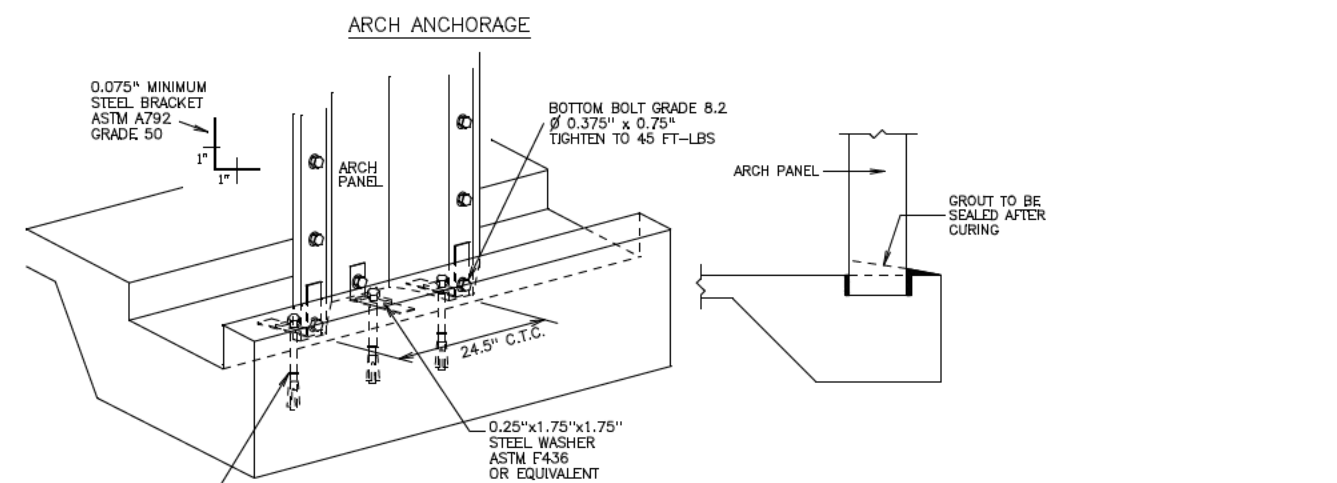


SECTION B-B

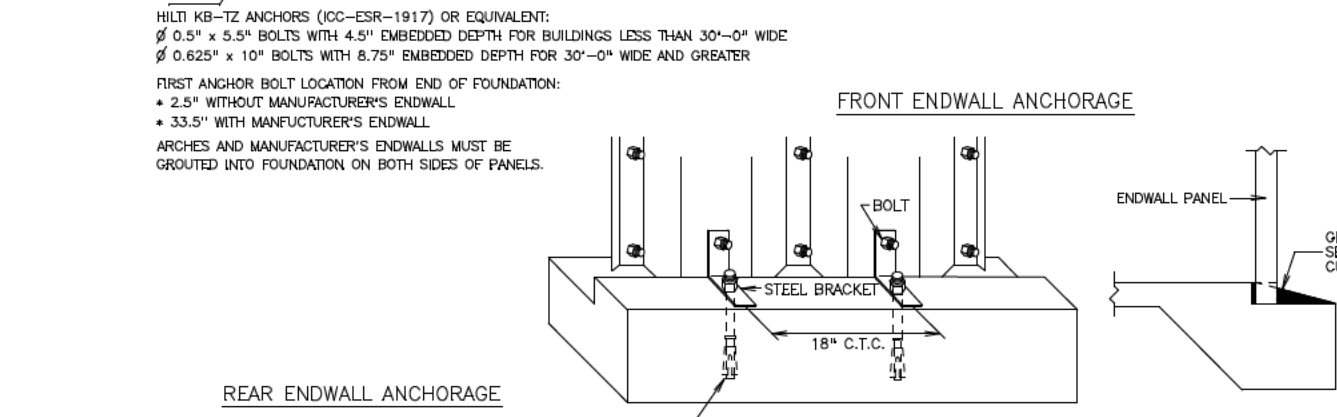
WARNING: DO NOT REMOVE OR REDUCE THE CONCRETE FLOOR OR REINFORCING STEEL (REBAR), AND/OR RAISE THE TOPS OF THE FOOTERS ABOVE THE FLOOR OR BUILDING FAILURE MAY RESULT.

MINIMUM CONCRETE COVER:

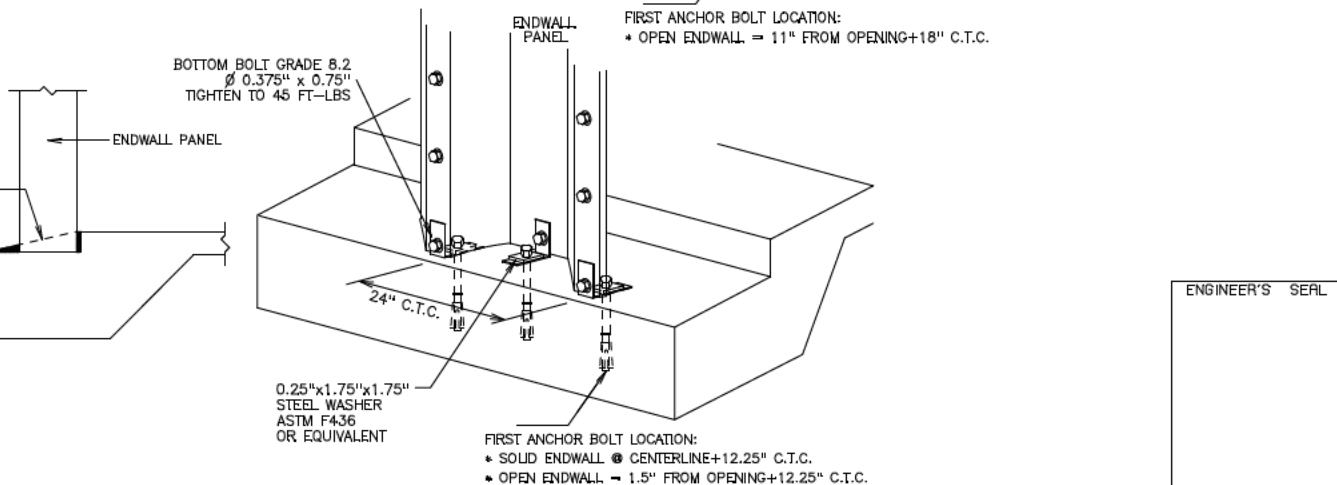
(A) CONCRETE CAST AGAINST EARTH:	3"
(B) CONCRETE EXPOSED TO EARTH OR WEATHER:	2"
No. 6 THROUGH No. 10 REBAR:	2"
No. 5 REBAR AND SMALLER:	1.5"
(C) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	0.75"



ARCH ANCHORAGE



FRONT ENDWALL ANCHORAGE



REAR ENDWALL ANCHORAGE

ENGINEER'S SEAL