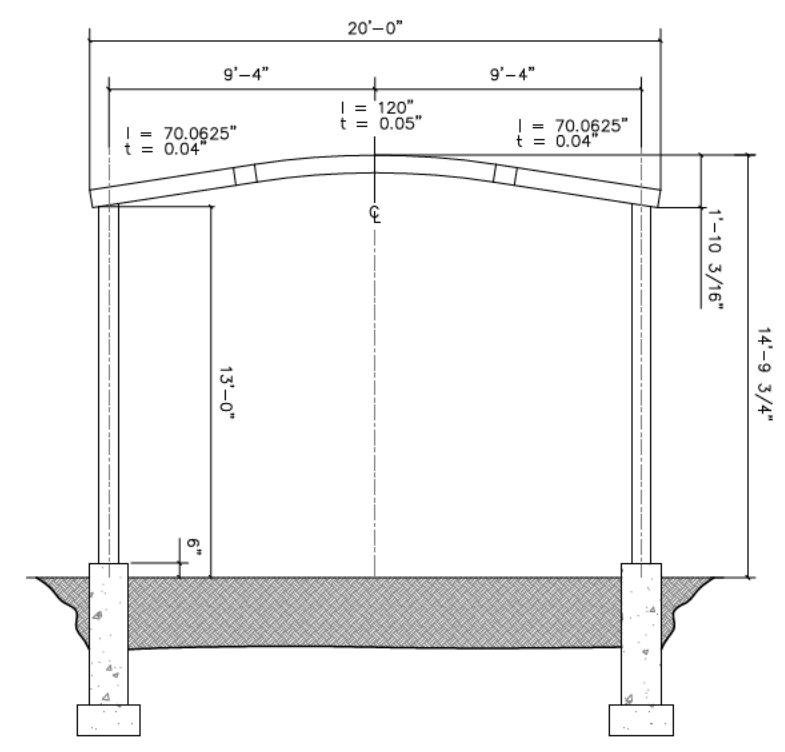
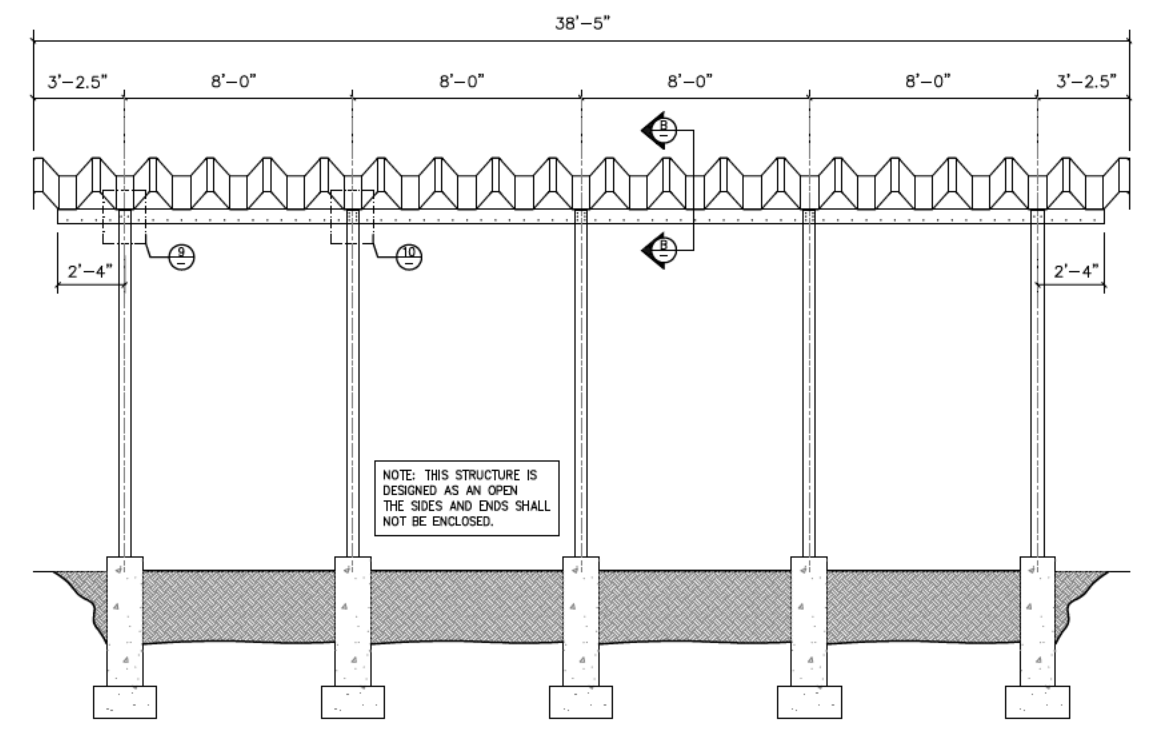


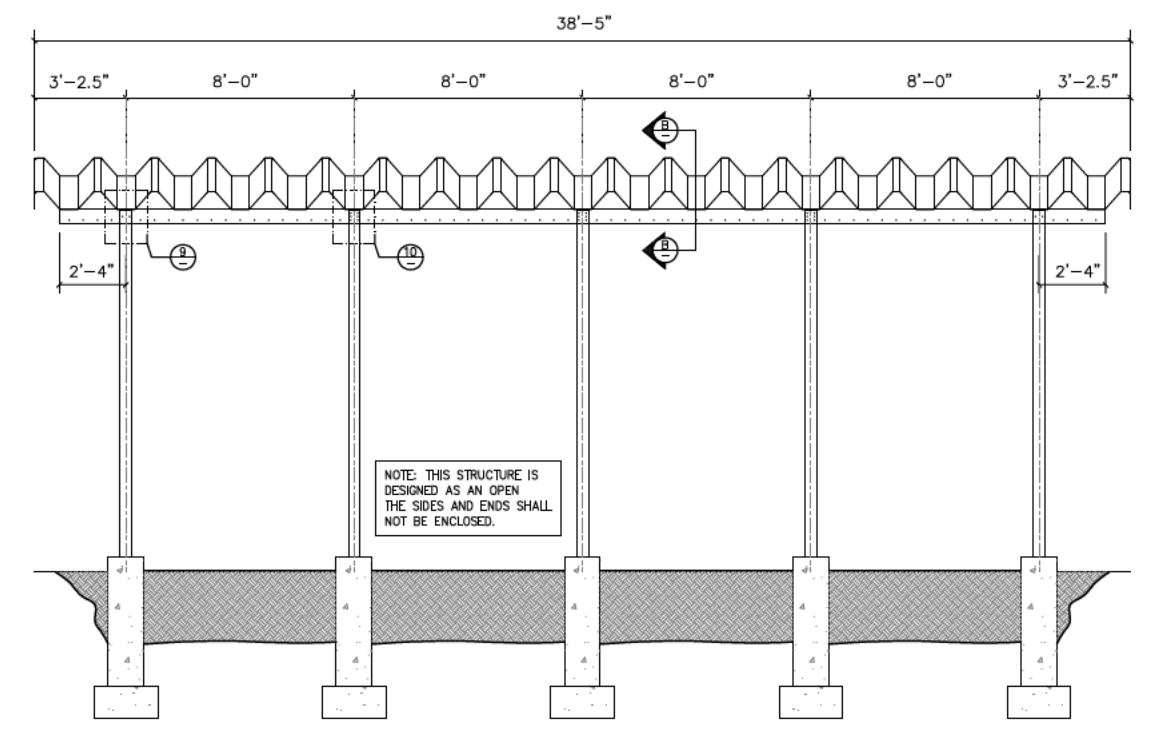
1 FRONT ELEVATION



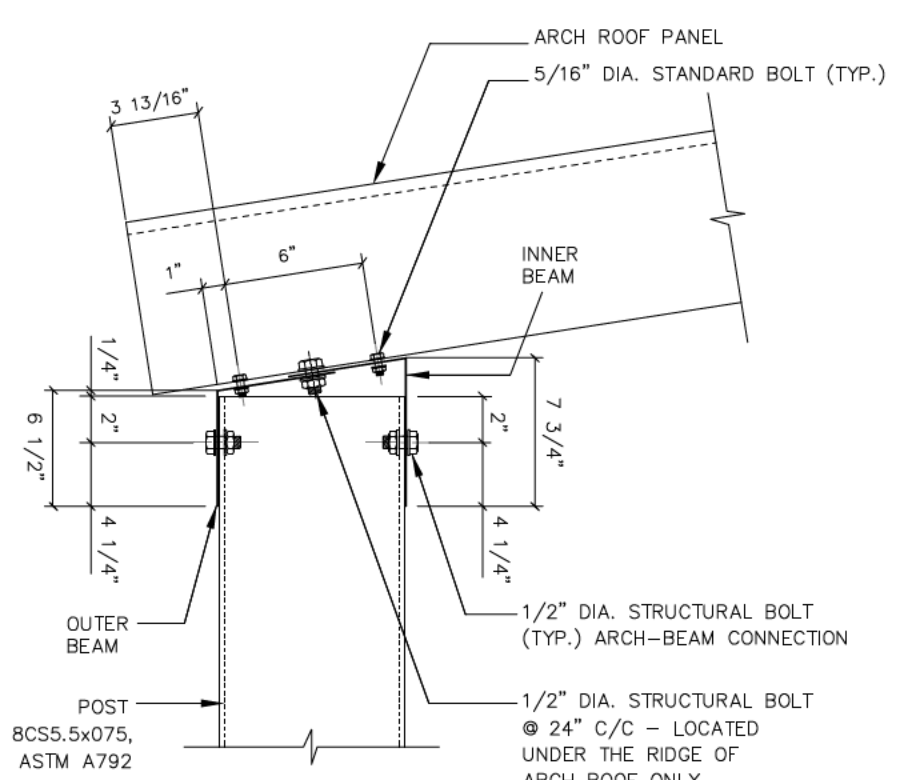
2 REAR ELEVATION



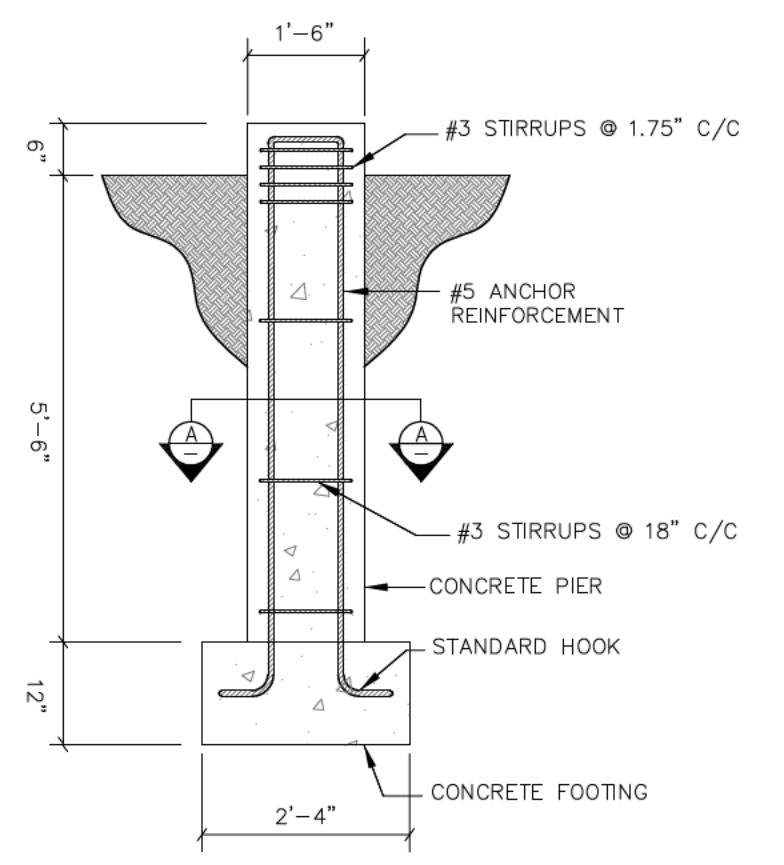
3 LEFT ELEVATION



4 RIGHT ELEVATION

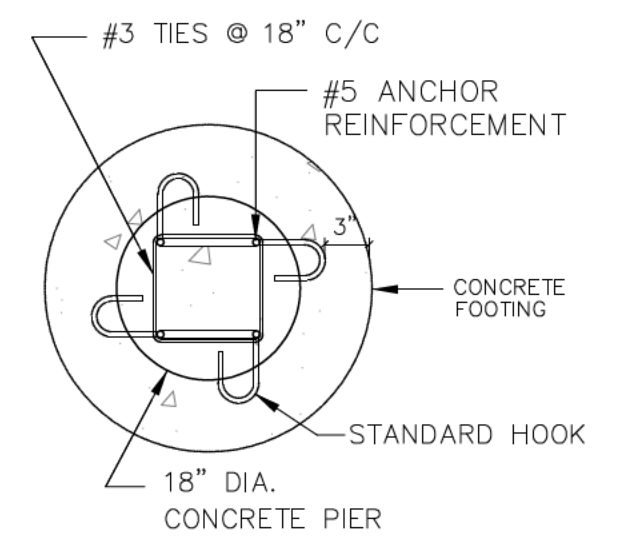


5 TOP OF POST CONNECTION

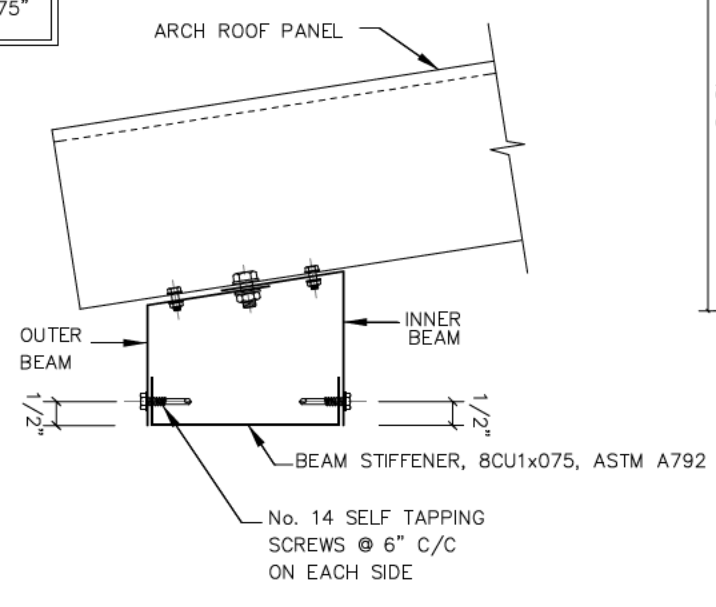


7 CONCRETE PIER DESIGN

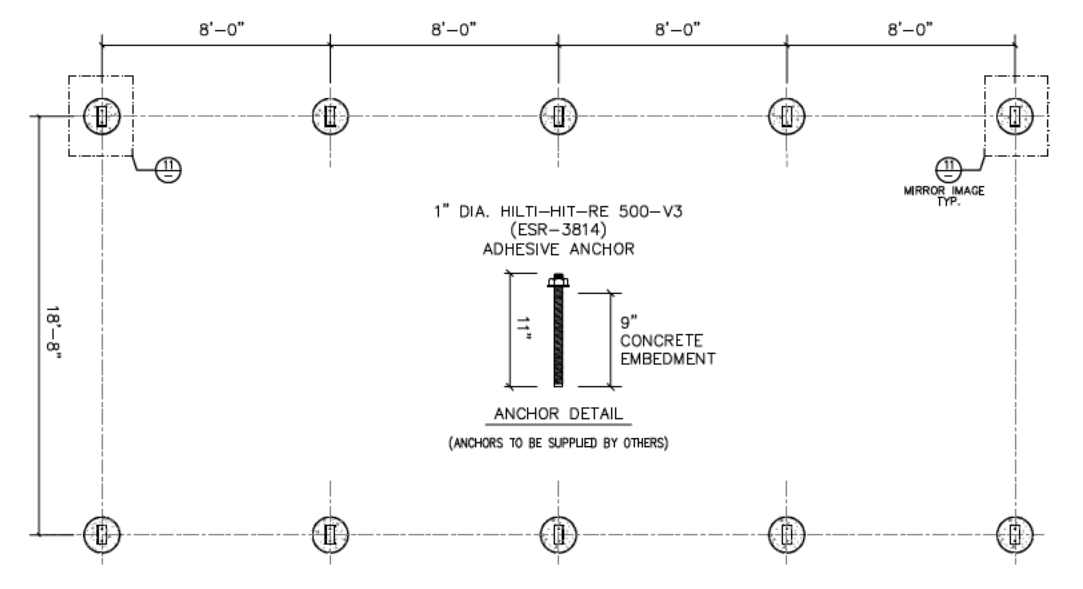
MINIMUM CONCRETE COVER:	
(A) CONCRETE CAST AGAINST EARTH:	3"
(B) CONCRETE EXPOSED TO EARTH OF WEATHER:	2"
No. 6 THROUGH No. 10 BARS:	1.5"
No. 5 BAR AND SMALLER:	0.75"
(C) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	0.75"



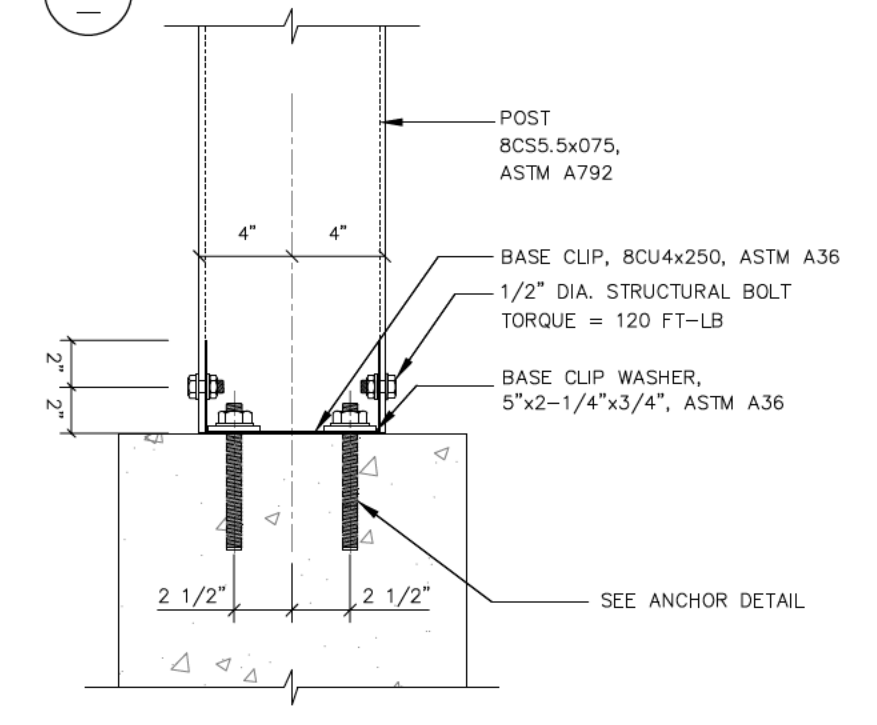
A CONCRETE PIER REBAR PLAN



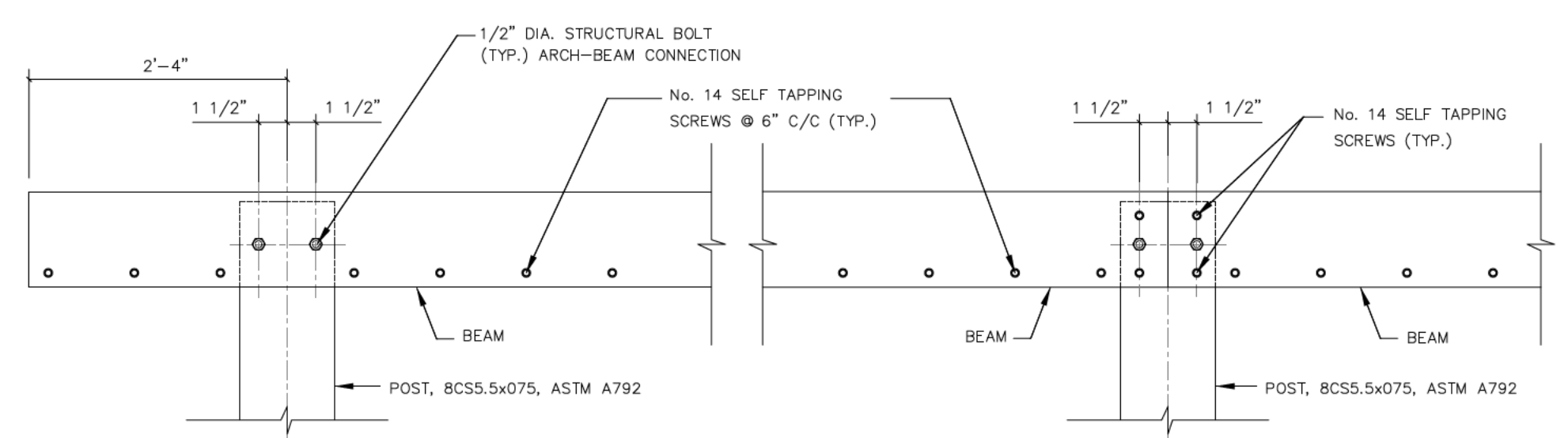
B BEAM PROFILE



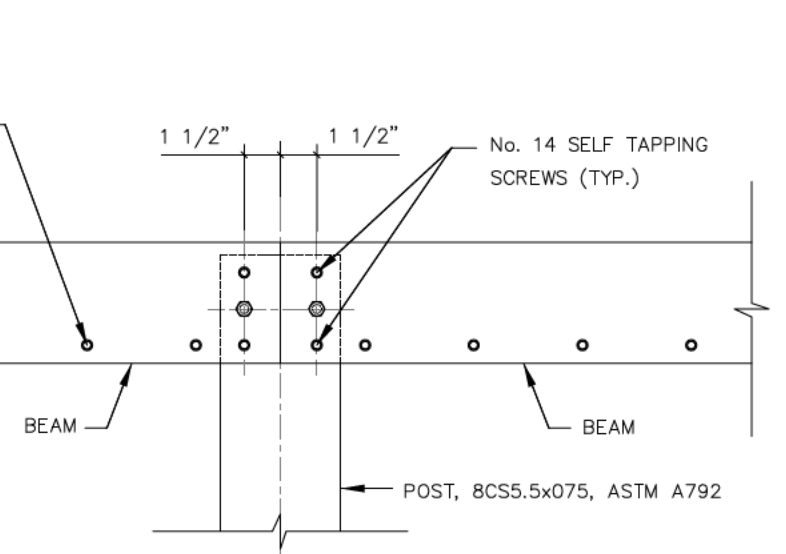
8 COLUMNS/BASE PLATES/ANCHOR BOLTS LAYOUT



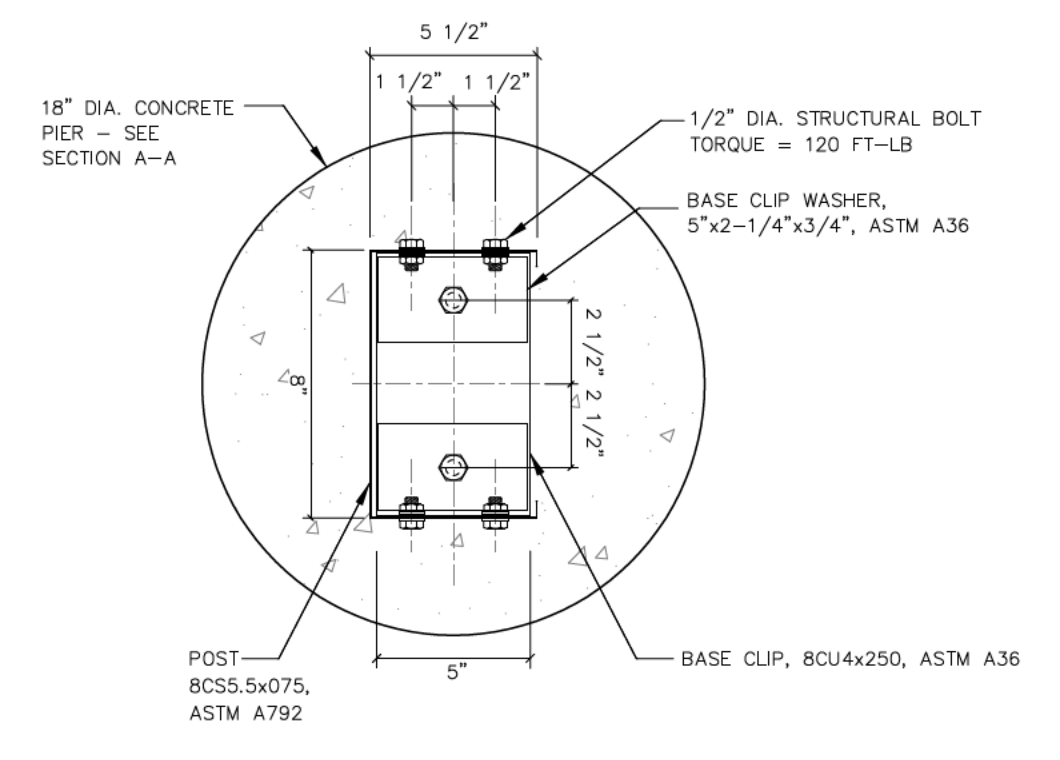
6 BASE OF POST CONNECTION



4 END BEAM CONNECTION



5 MIDDLE BEAM CONNECTION



11 POST BASE / PIER CONNECTION

GENERAL NOTES

- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST REVISION OF THE IBC 2015. DESIGN ACCORDING TO AISI-S100-12 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AND WITH ANS/AISC 7-10.
- NO LOADS OTHER THAN THOSE GIVEN UNDER "ARCH DESIGN DATA" BESIDE SHALL BE IMPOSED ON THE "STRUCTURE".
- SPECIFIC NOTES AND DETAILS SHOWN ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THE BUILDING MANUAL SUPPLIED.

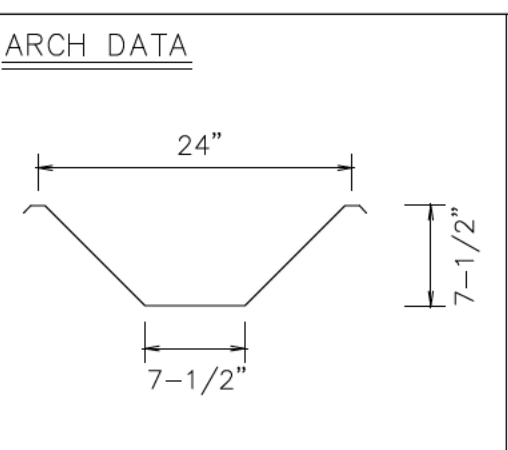
- THE STRUCTURAL DESIGN OF THIS CAR PORT IS BASED ON ASSEMBLY IN EXACT ACCORDANCE WITH ERECTION PLANS & INSTRUCTIONS. FAILURE TO FOLLOW THESE PLANS SHALL BE THE SOLE RESPONSIBILITY OF THE ERECTOR.
- A PROFESSIONAL ENGINEER SHOULD BE RETAINED WHERE SITE INSPECTIONS ARE WARRANTED.
- NO COMPONENTS MAY BE CUT OR MODIFIED UNLESS IT IS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR THIS DRAWING.
- MINIMUM SEPARATION FROM THIS CAR PORT TO ANY TALLER BUILDING MUST BE THE SMALLER OF 20FT OR 6 TIMES THE HEIGHT DIFFERENCE.

FOUNDATION NOTES

- THE FOUNDATION ON THE DRAWINGS IS A SUGGESTED SOLUTION ONLY. INCREASES MAY BE NECESSARY DUE TO LOCAL BUILDING REGULATIONS AND SITE CONDITIONS.
- THE FOUNDATION SHALL BE FOUNDED ON NATURAL UNDISTURBED CLASS 5 SOIL WITH PRESUMPTIVE BEARING CAPACITY OF 1500 PSF.

DESIGN DATA (MATERIALS)

CONCRETE F_c = 2500 PSI @ 28 DAYS ACI
 REINFORCING STEEL GRADE 40, F_y = 40 KSI, ASTM A615



BOLTS: SAE GRADE 8 OR ASTM A354 GR. BD
 PEAK PANEL STEEL THICKNESS = 0.05"
 ROOF PANEL STEEL THICKNESS = 0.04"
 BEAMS & POSTS STEEL THICKNESS = 0.075" U.N.O.

GALVALUME SHEET STEEL:
 STRUCTURAL QUALITY ASTM SPECIFICATION A792-08
 55% ALUMINUM-ZINC ALLOY (HOT DIP COATING)
 ASTM A792 GRADE 50A
 50 KSI MINIMUM YIELD
 65 KSI MINIMUM TENSILE
 OTHER SECTIONS SHALL CONFORM TO:
 ASTM A36 (F_y=36 KSI)



ENGINEERS SEAL:

LEGAL NOTE

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FUTURE STEEL BUILDINGS
 220 CHRYSLER DR., BRAMPTON, ONTARIO, CANADA (905) 790-8500

SCALE: N.T.S. APPROVED BY: P.G. CHECKED BY: A.G. DATE: DEC. 23 2019