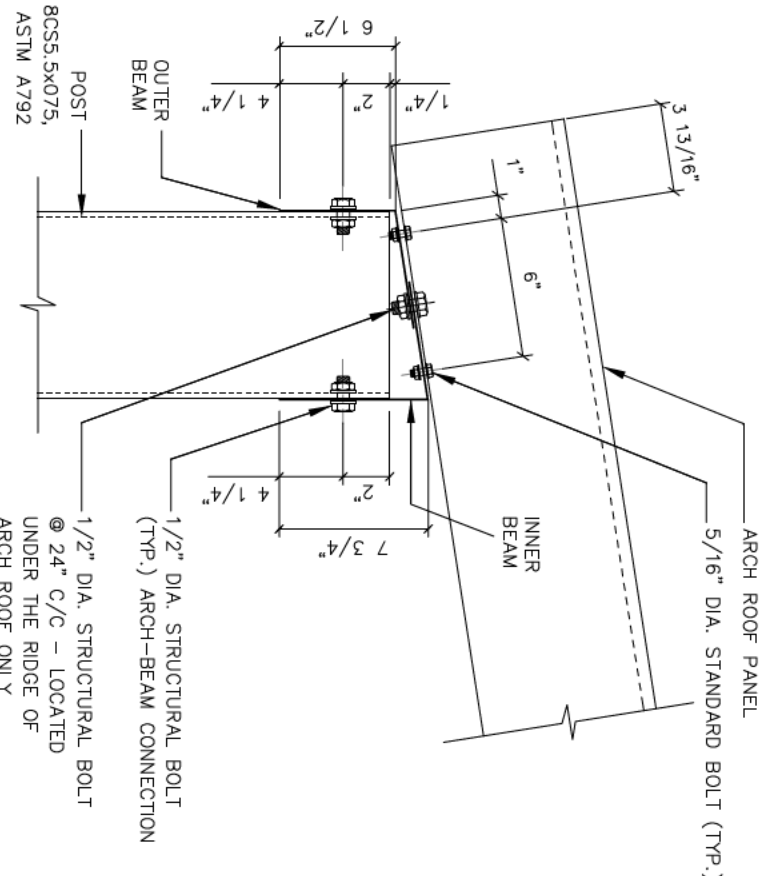


FRONT ELEVATIONS

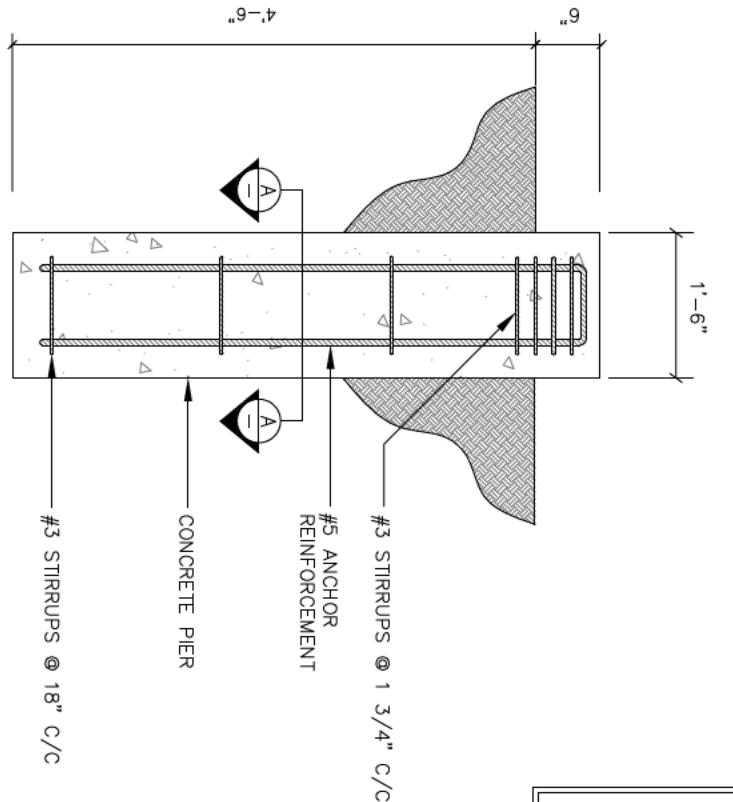
REAR ELEVATIONS

LEFT SIDE ELEVATIONS

RIGHT SIDE ELEVATIONS



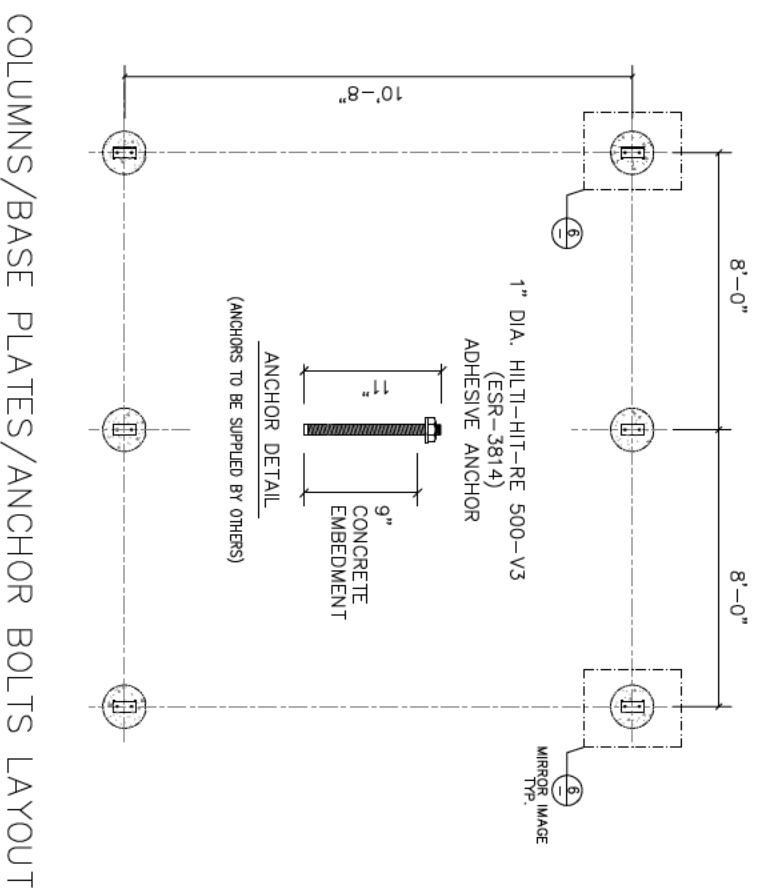
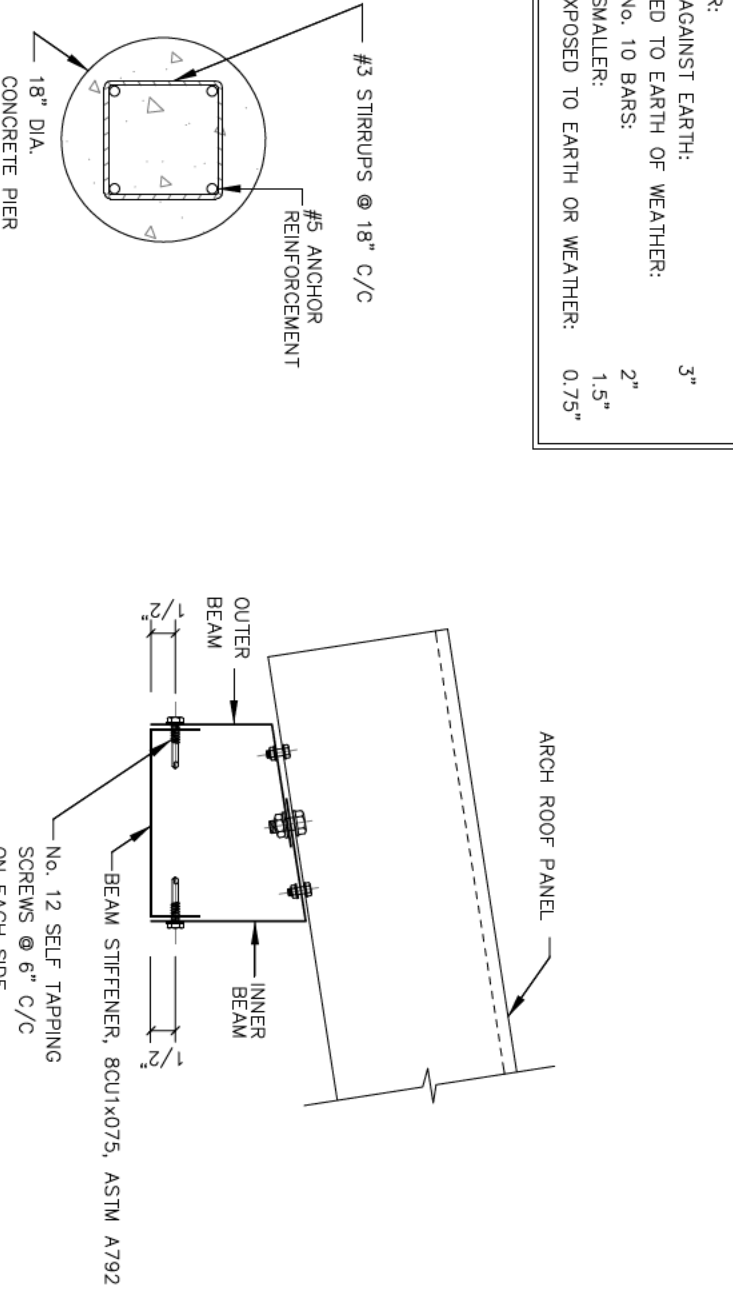
1 TOP OF POST CONNECTION



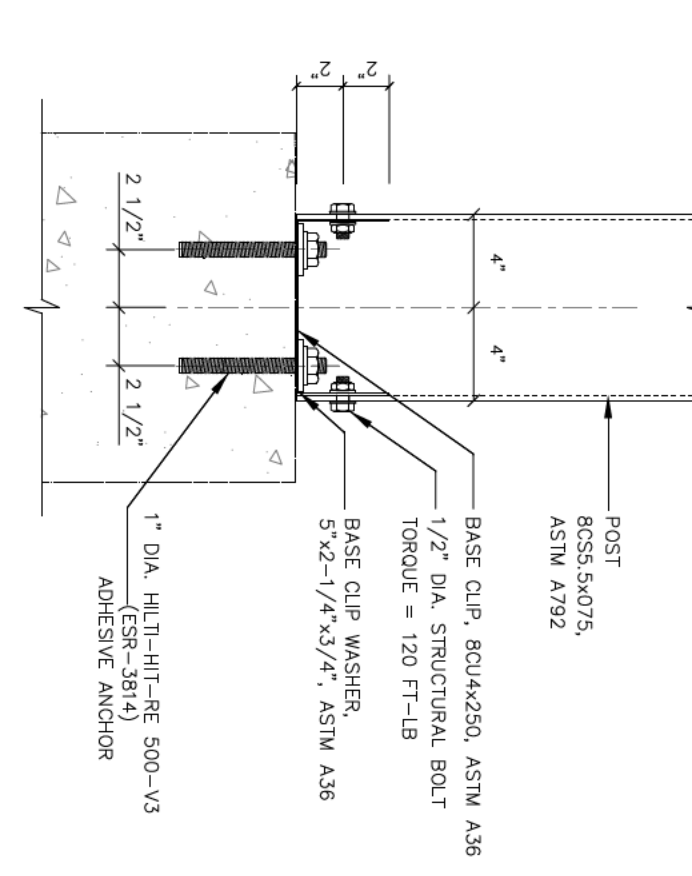
3 CONCRETE PIER DESIGN

A CONCRETE PIER REBAR PLAN

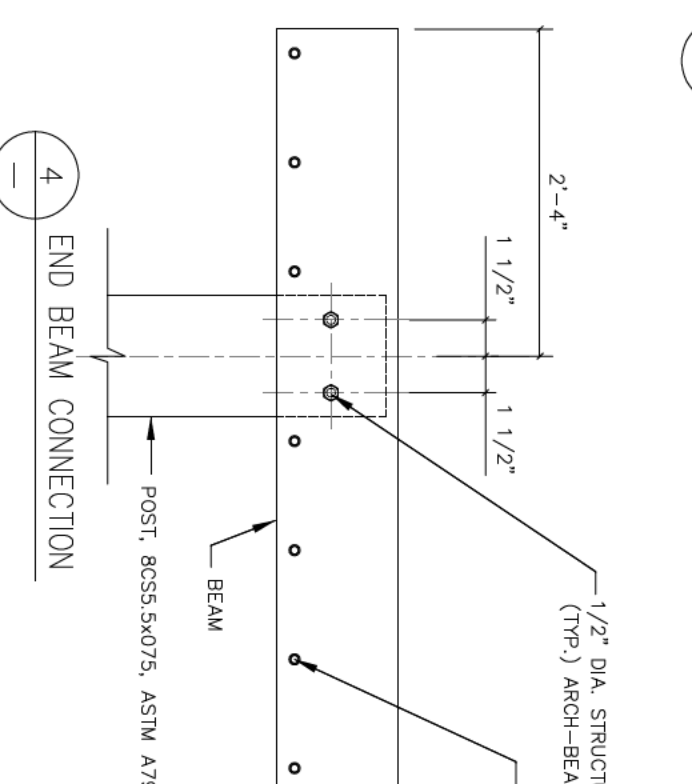
B BEAM PROFILE



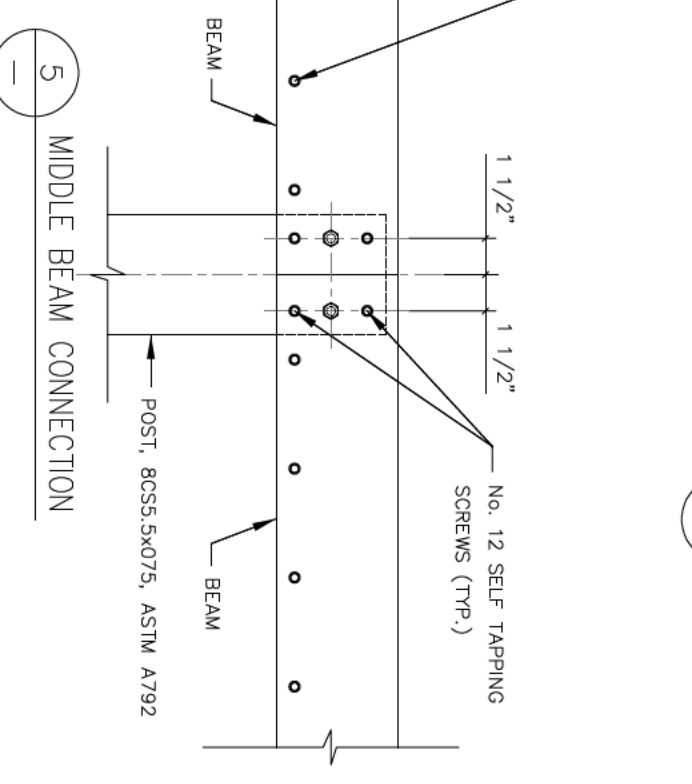
COLUMNS/BASE PLATES/ANCHOR BOLTS LAYOUT



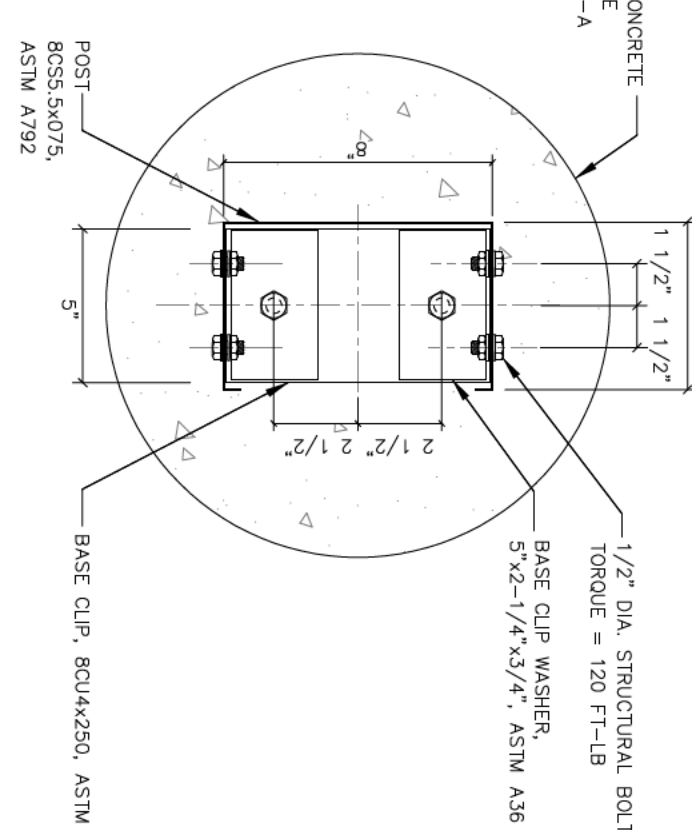
2 BASE OF POST CONNECTION



4 END BEAM CONNECTION



5 MIDDLE BEAM CONNECTION



6 POST BASE / PIER CONNECTION

MINIMUM CONCRETE COVER:

(A) CONCRETE CAST AGAINST EARTH:	3"
(B) CONCRETE EXPOSED TO EARTH OR WEATHER:	2"
(C) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	1.5"
	0.75"

NO. 6 THROUGH NO. 10 BARS:  
NO. 5 BAR AND SMALLER:

NOTE: THIS STRUCTURE IS DESIGNED AS AN OPEN ARCH. THE SIDES AND ENDS SHALL NOT BE ENCLOSED.

NOTE: THIS STRUCTURE IS DESIGNED AS AN OPEN ARCH. THE SIDES AND ENDS SHALL NOT BE ENCLOSED.

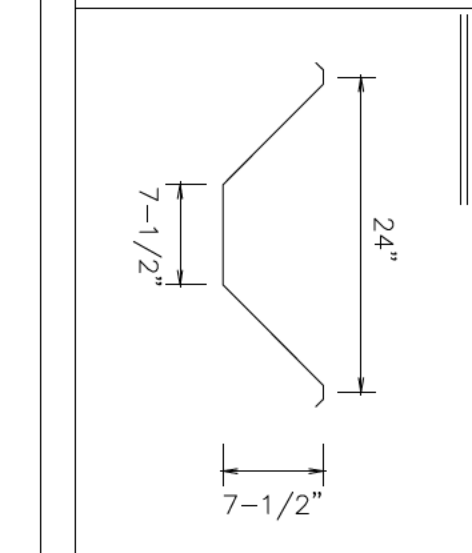
GENERAL NOTES

- 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 ANSI/ASCE 10-10.
- NO LOADS OTHER THAN THOSE GIVEN UNDER ARCH DESIGN DATA BEHIND SHALL BE IMPOSED ON THE STRUCTURE 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 INSTRUCTIONS 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 FOUND ON NATURAL UNDISTURBED CLASS 5 SOIL WITH PRESUMPTIVE BEARING CAPACITY OF 1500 PSF.

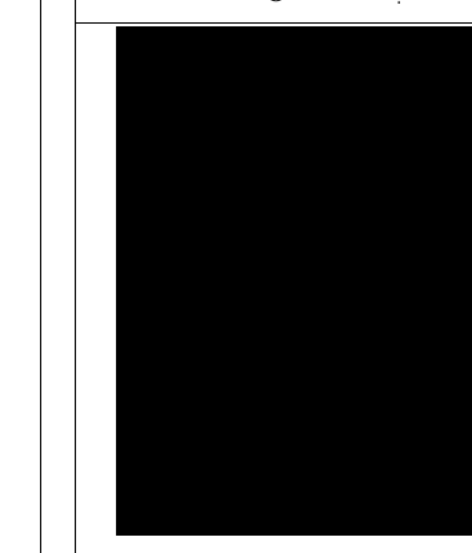
ARCH DATA



DESIGN DATA (MATERIALS)

- BOLTS: SAE GRADE 8 OR ASTM A354 GR. 8D  
ROOF PANEL STEEL THICKNESS = 0.03"  
BEAMS & POSTS STEEL THICKNESS = 0.075" U.N.O.
- GAVALUME 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  
OTHER SECTIONS SHALL CONFORM TO:  
ASTM A36 (F<sub>y</sub>=36 KSI)

ENGINEERS SEAL



LEGAL NOTE

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**FUTURE STEEL BUILDINGS**  
220 CHESTER DR. BURLINGTON, ONTARIO, CANADA L7R 2R9-2000