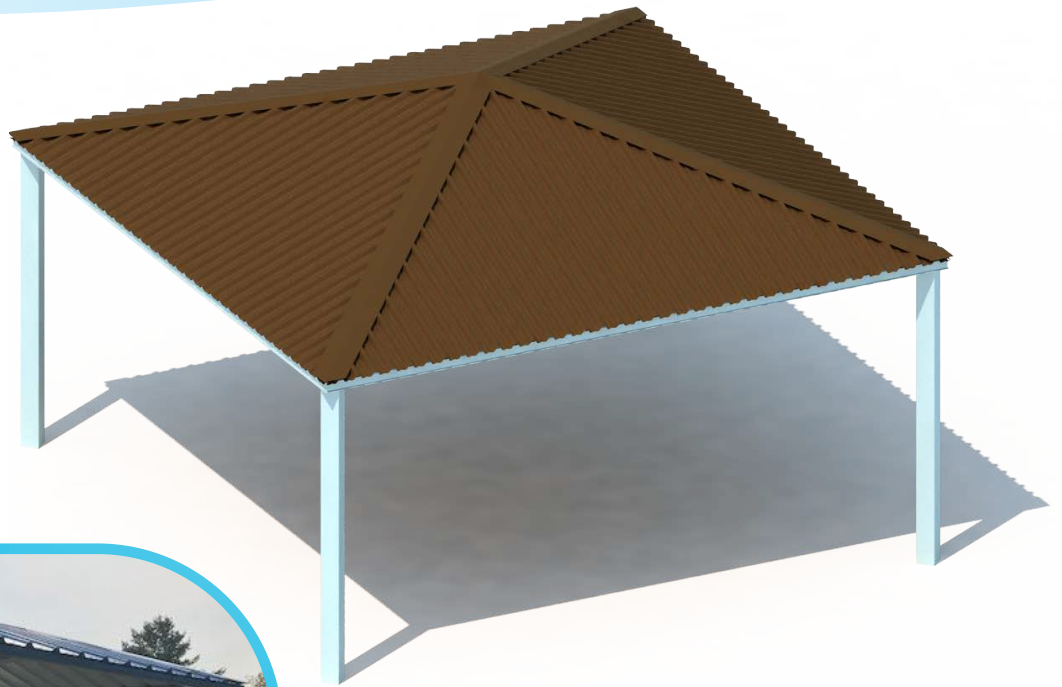


Shade Structures Canada

A subsidiary of Nirbo Inc.



SSC Shade Structures are made of A500 Grade B Steel. Steel Structure is hot dip galvanized and powder coated.

Shade Structure 18FT X 18FT | S30011-01

Width	Depth	Height
216" (5.5 m)	216" (5.5 m)	150" (3.8 m)

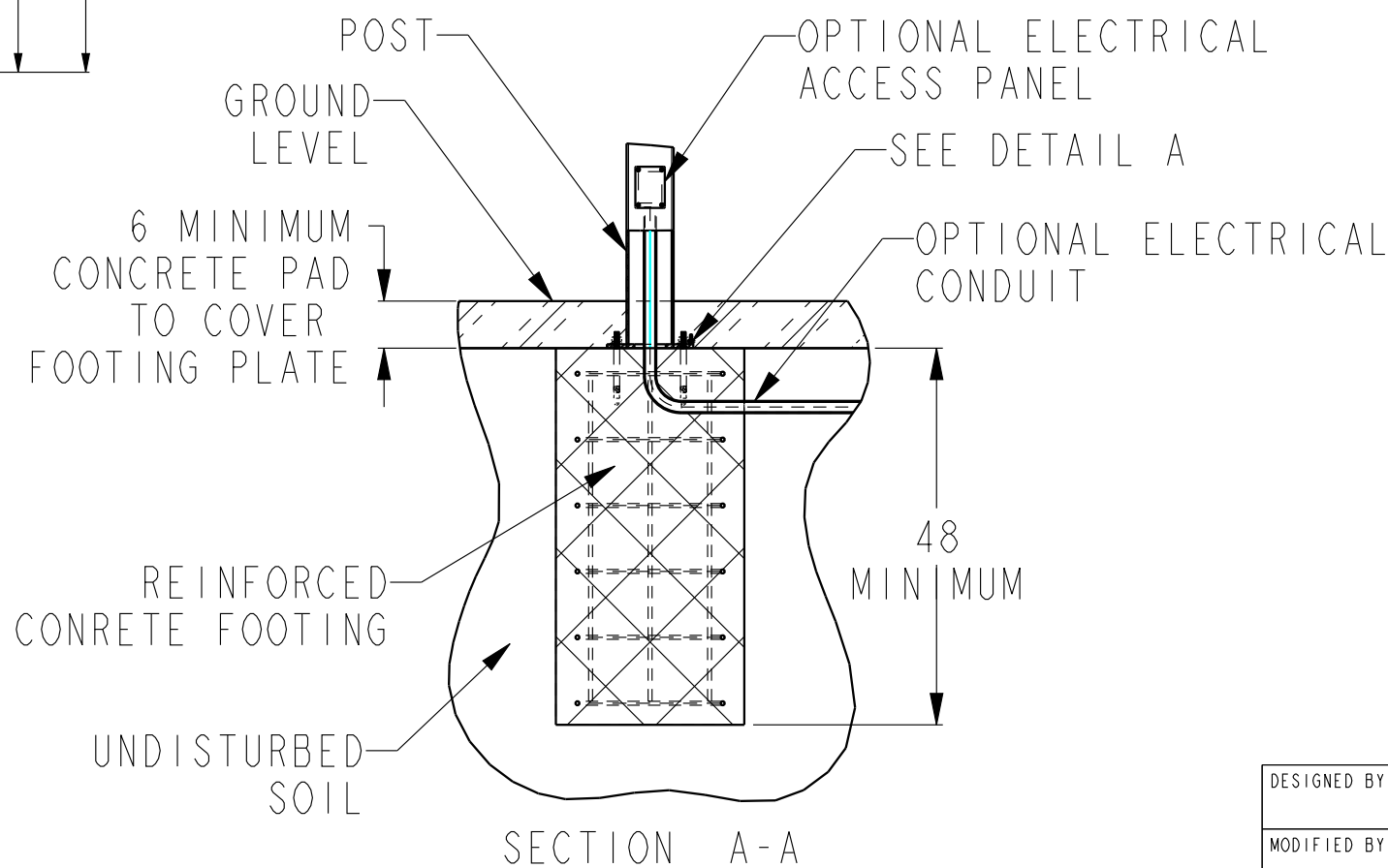
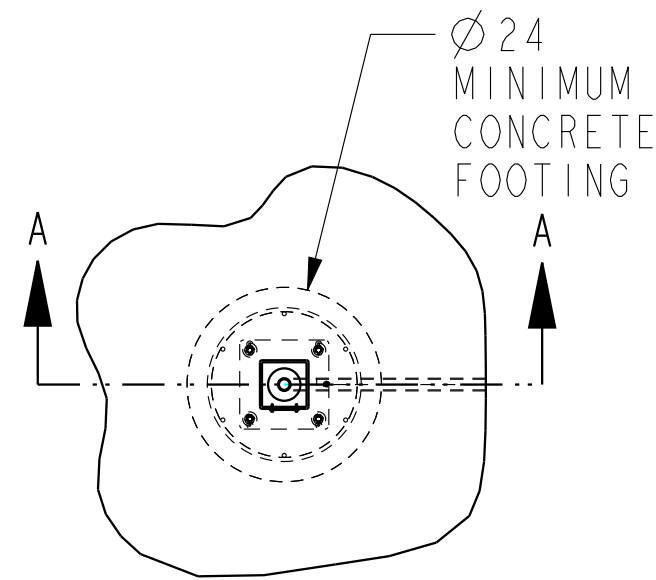
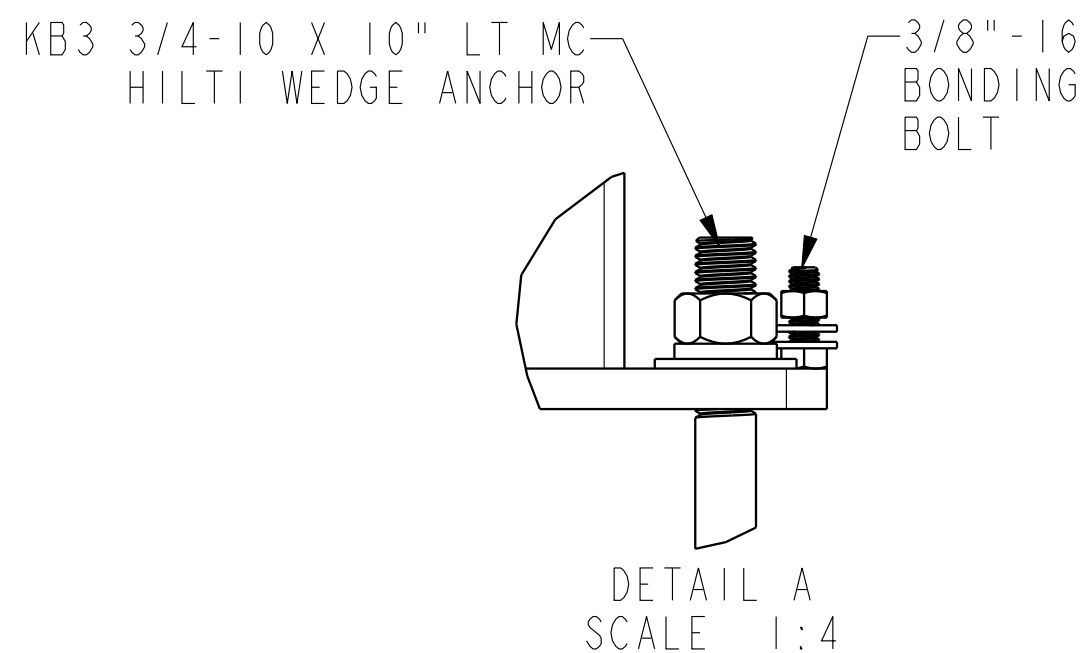
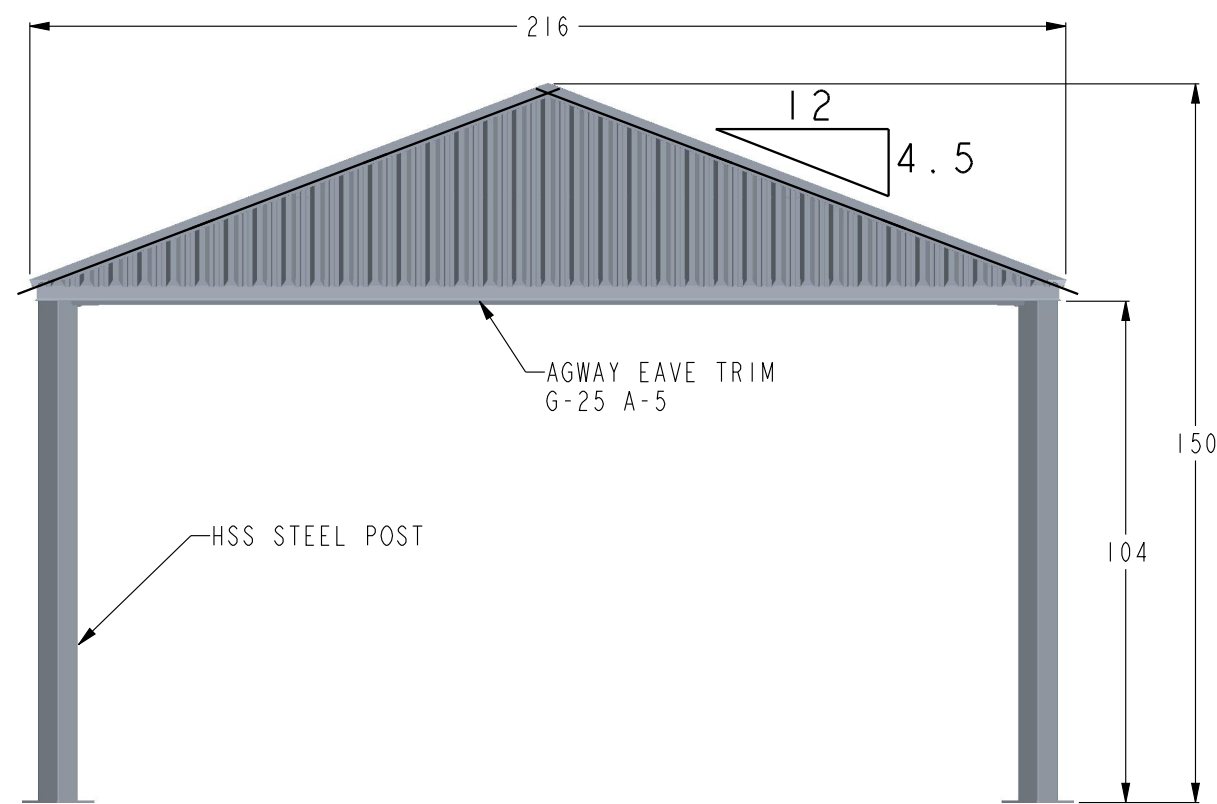
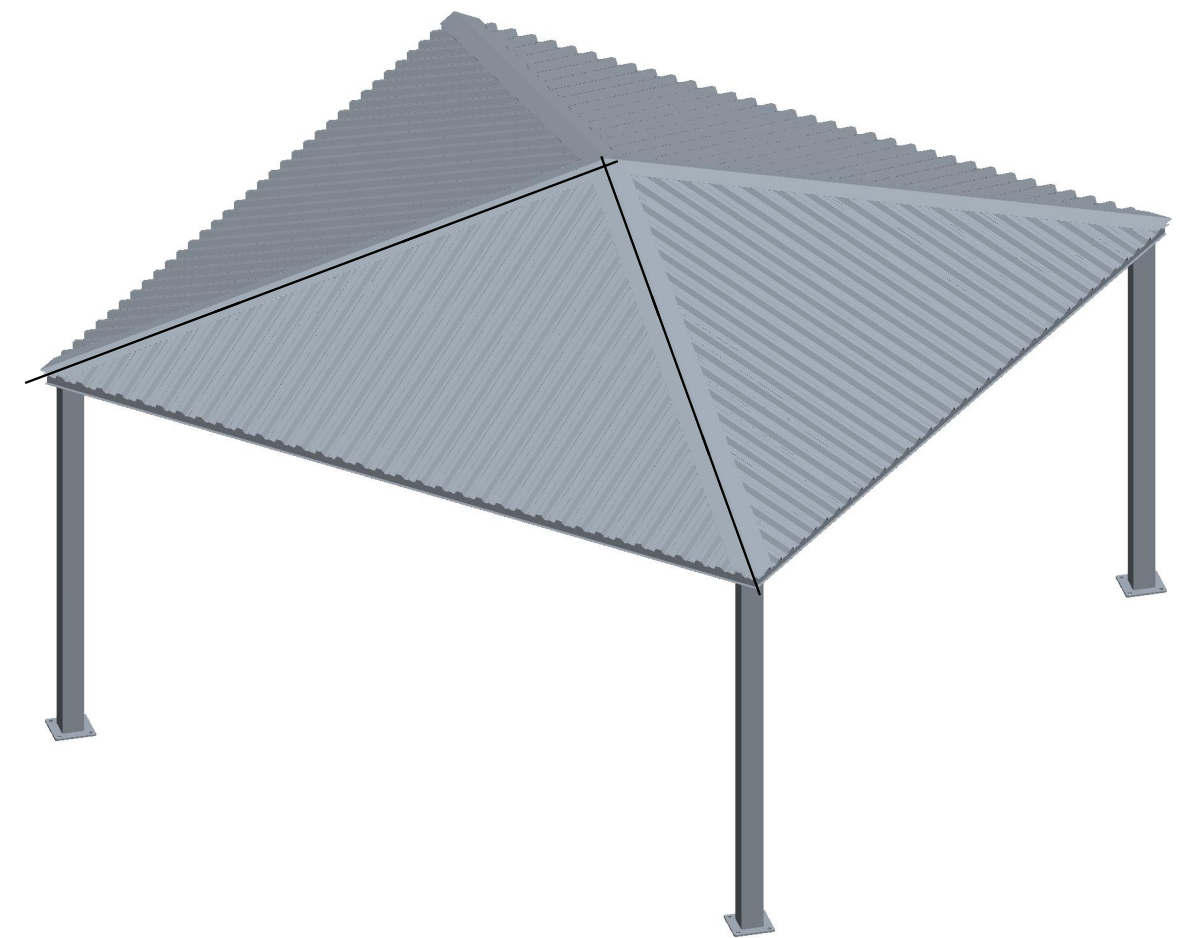
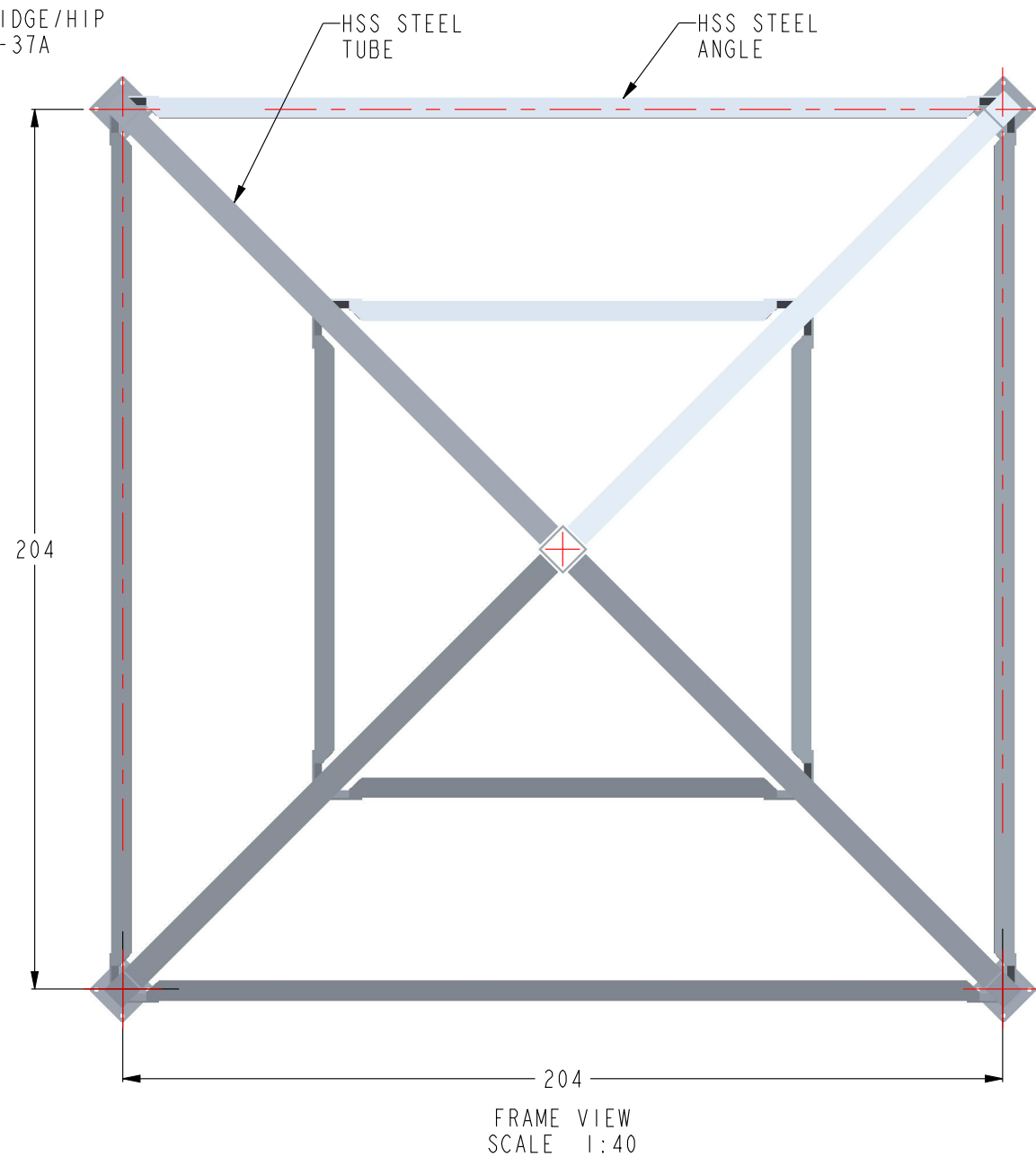
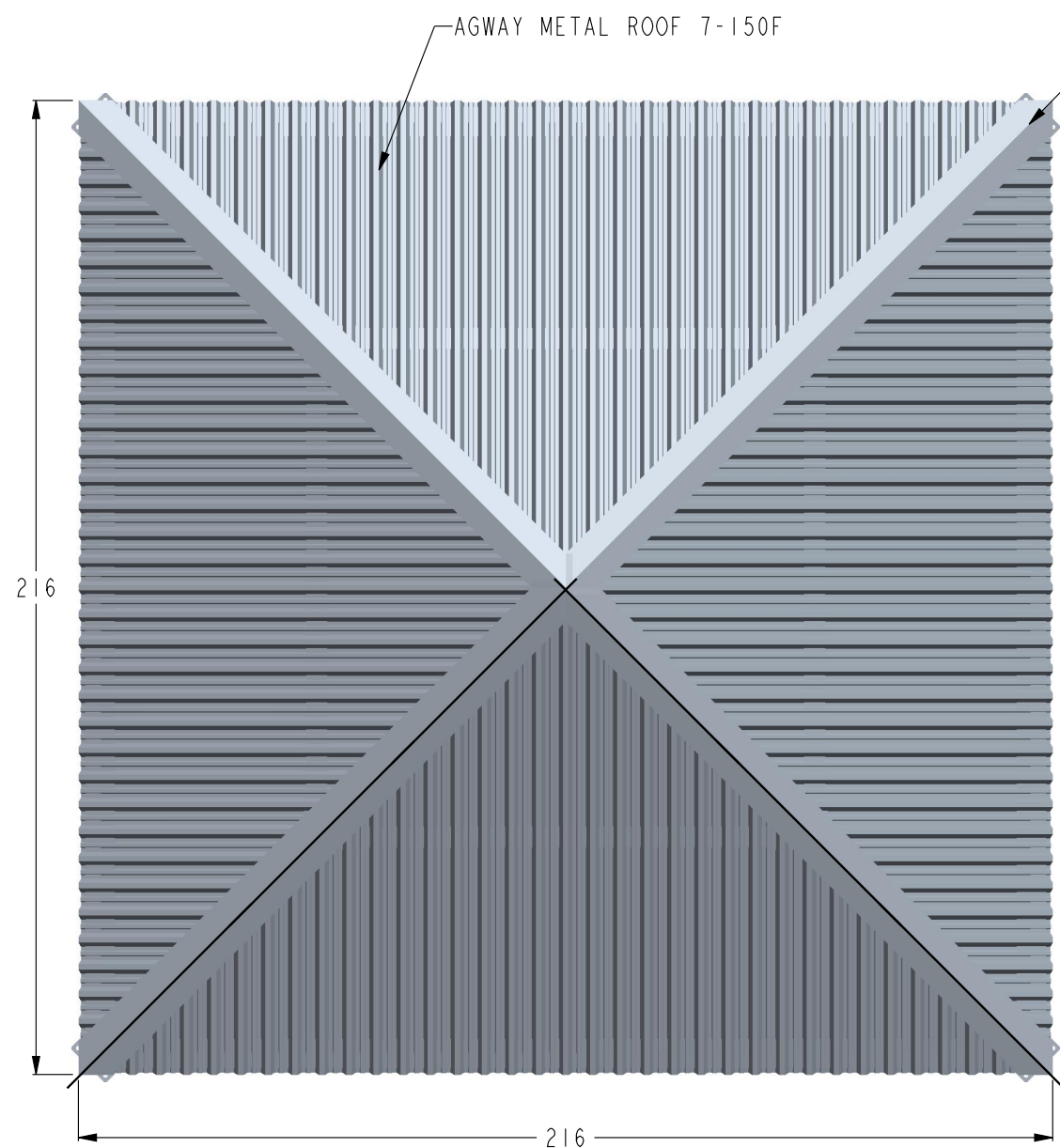
Shade Structures Canada

2400 Lucknow Drive, Unit 39, Mississauga, ON L5S 1T9, Canada

Tel: 1.905.766.2461

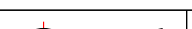
Website: www.shade-structures-canada.com

Email: info@shade-structures-canada.com



AMERICANA GENERAL NOTES:

- SHELTER DESIGN
 - THIS SHELTER HAS BEEN DESIGNED AS AN OPEN STRUCTURE. THE ADDITION OF ANY ENCLOSURE SUCH AS WALLS, INSECT MESH OR SHADE SCREENS SHALL BE PROHIBITED AS INCREASED WIND FORCES MAY RESULT.
- FOUNDATION
 - THE FOUNDATION SHALL REST ON SOUND SOIL THAT IS FREE OF ORGANIC AND DELETERIOUS MATERIALS AND CAPABLE OF SUPPORTING 1000 PSF VERTICAL BEARING PRESSURE.
- CONCRETE
 - COMPRESSION STRENGTH OF ALL REINFORCED CONCRETE SHALL NOT BE LESS THAN 2500 PSI AT 28 DAYS.
 - REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF MINIMUM ASTM A615 GRADE 40 FOR #4 AND SMALLER BARS AND GRADE 60 BARS LARGER THAN #4.
 - MINIMUM CONCRETE CLEAR COVER FOR REINFORCING BARS SHALL BE 3".
 - ANCHOR RODS (WEDGE ANCHORS) SHALL BE F1554 GRADE 36 ROD, HEADED OR WITH HEAVY HEX NUT TACKED TO ROD.
- STRUCTURAL STEEL
 - STEEL PLATE SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
 - HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A500 GRADE B.
 - WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE CANADIAN WELDING SOCIETY'S SPECIFICATION FOR THE MATERIAL BEING WELDED.
 - WELDING ELECTRODES SHALL BE E70XX.
 - STRUCTURAL STEEL COMPONENTS SHALL BE COATED WITH ANTI-GRAFFITI POLYESTER TGIC POWDER COAT FINISH MEETING AAMA 2604-02 SPECIFICATION.
- ROOF DECK
 - ANDERX/AGWAY PROFILE 7-150F, 24 GAUGE CONFORMING TO ASTM A653 / A653M OR A792/A792M.
 - ROOF DECK SHALL BE COATED WITH HEAT REFLECTIVE BASF ULTRA-COOL COATING OR APPROVED EQUAL.
- FASTENERS
 - HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325 OR A307 (SEE DETAILS).
 - SCREWS ATTACHING TO STEEL SHALL BE 12-24 HEX WASHER HEAD #5 POINT SELF DRILLING SCREWS WITH BOND SEAL WASHERS BY SFS OR APPROVED EQUAL.
 - HIGH STRENGTH BOLTS SHALL BE HOT DIPPED GALVANIZED. ALL SCREWS SHALL BE STAINLESS STEEL OR COATED WITH ZINC.
 - ALL BOLTS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION AS DEFINED IN THE 2004 RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- SHOP FABRICATION AND FIELD ASSEMBLY
 - ALL STRUCTURAL STEEL COMPONENTS SHALL BE SHOP FABRICATED SO THAT FIELD ASSEMBLY OR CONNECTIONS CAN BE PERFORMED USING ONLY BOLTING AND SCREW PLACEMENT.
 - ALL SHOP WELDING TO BE PERFORMED BY CWS CERTIFIED WELDERS.
 - ALL SHOP WELDS SHALL BE IN STRICT ACCORDANCE WITH THE STRUCTURAL WELDING CODE (AWS D1.1 OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS), ALL STRUCTURAL WELDS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF "PRE-QUALIFIED" WELDED JOINTS. ALL WELDING SHALL CONFORM TO (AWS A5.18):E70S-6 SERIES E70XX ELECTRODES-LOW HYDROGEN.
 - FIELD WELDING SHALL NOT BE REQUIRED.

DESIGNED BY S. Sokmen MODIFIED BY S. Sokmen APPROVED BY S. Sokmen	ALL INFORMATION CONTAINED IN THIS DOCUMENT IS PROPERTY OF NIRBO AQUATIC INC. AND MAY NOT BE REPRODUCED OR COMMUNICATED WITHOUT PERMISSION IN WRITING FROM NIRBO AQUATIC INC.		CR NO N/A	MATERIAL SEE NOTE 1				NIRBO AQUATIC INC.		
		UNIT INCH	DATE (yyyy.mm.dd) 2019.08.29	DESCRIPTION SHADE STRUCTURE 18 FT X 18 FT						
		ENVIRONMENT PRO/ENG 2001	SURFACE FINISH µin	SHEET 1/1	SCALE 1:40	DOCUMENT D01	SIZE C	DRAWING NO S30011-01-D15	REV A	