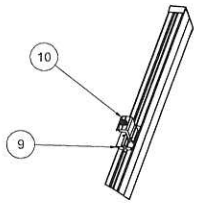
NOTES: UNLESS OTHERWISE SPECIFIED

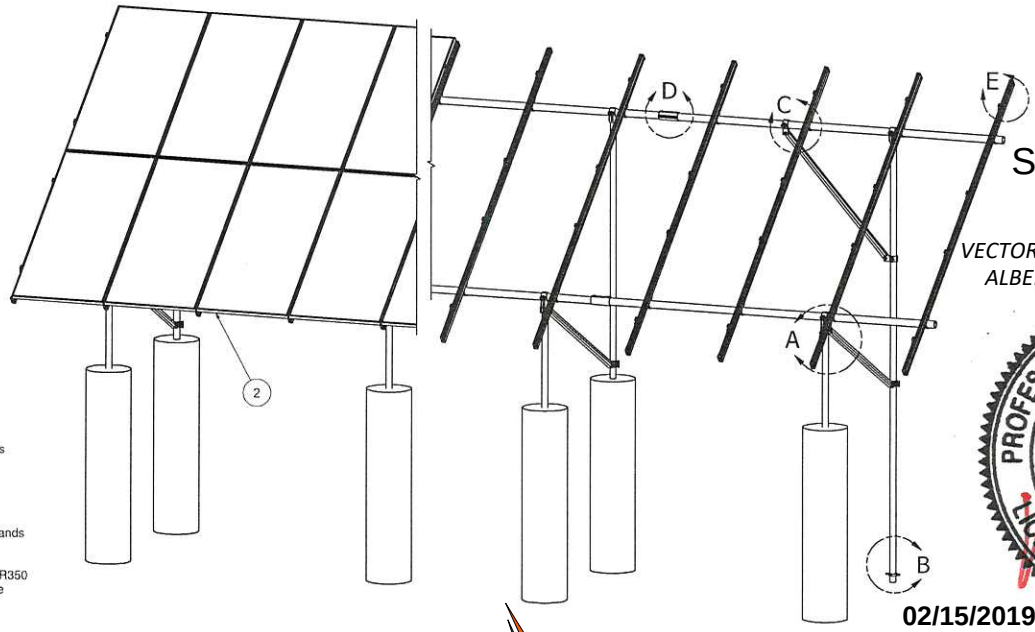
1. THIS DRAWING IS NOT FOR CONSTRUCTION UNTIL ENGINEERING HAS REVIEWED AND STAMPED THIS DOCUMENT.
2. DIMENSIONS SHOWN ARE INCHES[MM].
3. 304 STAINLESS STEEL HARDWARE. ALL OTHER PARTS ARE 6005-T5 AL WITH ANODIZING.
   PIPE MATERIAL FOR THE TYPE OF PROJECT:
   GROUND MOUNT = STEEL
   SB = ALUMINUM
4. 2PXN-40DEG-PGM-Alberta.
5. 1 OF 1 ARRAY TYPE.
6. 1 ARRAY TOTAL.
7. THE MAXIMUM PERMISSIBLE LENGTH OF ANY STRUCTURE SHALL BE 200 FT. FOR SYSTEMS USING A SHARED RAIL CONFIGURATION, A THERMAL BREAK IS REQUIRED IN THE RAIL EVERY 40 FT. PER THE DRAWING DETAILS.
8. APPROVED RAIL PROFILES
   A20144-HR250
   A20288-HR300
   A20145-HR350



DESIGN CRITERIA:
Alberta Building Code 2014
Minimum Design Loads for Buildings and Other Structures (ASCE 7-10)
Ground snow load: 39.7 psf (1.9 kPa)
Wind speed for risk category I structures: 105 mph
Wind Exposure: C

For part drawings and ground screw and helical pier demands see letter dated: February 12, 2019

The HR250 rails may be replaced with either HR300 or HR350 rails. The part drawings for these rails can be found in the structural letter dated 02/12/2019



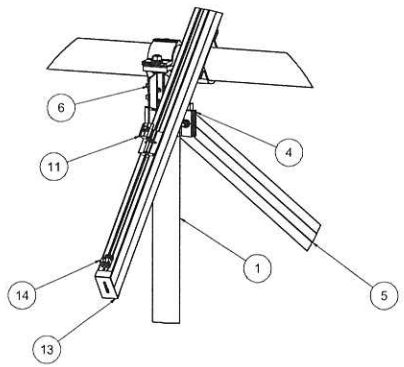
STRUCTURAL ONLY

VECTOR PROJECT #: U2716-071-181
ALBERTA FIRM LICENSE: 14521

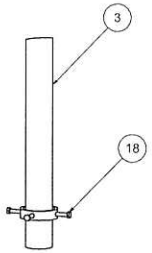
02/15/2019

VECTOR ENGINEERS
651 W. GALENA PARK BLVD. STE. 101
DRAPER, UTAH 84020
PHONE (801) 990-1775
WWW.VECTORSE.COM

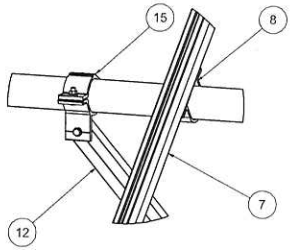
DETAIL E



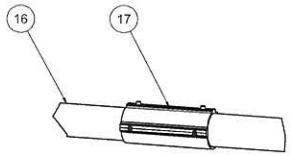
DETAIL A



DETAIL B



DETAIL C



DETAIL D

ITEM	PART NUMBER	DESCRIPTION	QTY
18	K10186-001	EMBEDDED 2.0" PIPE CLAMP KIT	
17	K10342-001	2.5" PIPE SPLICE KIT	
16	A21023-147	2.5" STEEL PIPE, L=147	
15	K10222-001	2.5 PIPE CLAMP KIT	
14	K10179-001	SELF-GROUNDING LUG KIT	
13	A20284-001	END CAP,HR250,GRAY	
12	A20164-066	1.5X2 AL TUBE BRACE, L=66	
11	K10182-001	LANDSCAPE GROUNDING MID CLAMP KIT	
10	K10224-140	END CLAMP KIT WITH COLLAR	
9	K10176-001	LANDSCAPE GROUNDING ADAPTOR	
8	K10343-001	2.5" AL PIPE U-CLAMP KIT	
7	A20144-154	RAIL, HR250(HELIO STANDARD), L=154	
6	K10341-001	2.5" PIPE TEE KIT	
5	A20164-079	1.5X2 AL TUBE BRACE, L=79	
4	K10219-001	2" PIPE CLAMP KIT	
3	A21022-181	2" STEEL PIPE, L=182	
2		PANEL: 1956X992X40mm	
1	A21022-118	2" STEEL PIPE, L=118	

MATERIAL: SEE BOM
Third Angle Projection
APPROVED: PHQ
DATE: 01/16/2019
CHECKED BY:
INTERPRET:

SunModo Corp.
14600 NE 65TH STREET, VANCOUVER WA 98682

TITLE: ALBERTA / BRITISH COLUMBIA / ONTARIO - 2P-
SIZE: D
DRAWING NUMBER:
SCALE: 1/23
SHEET 1 of 3

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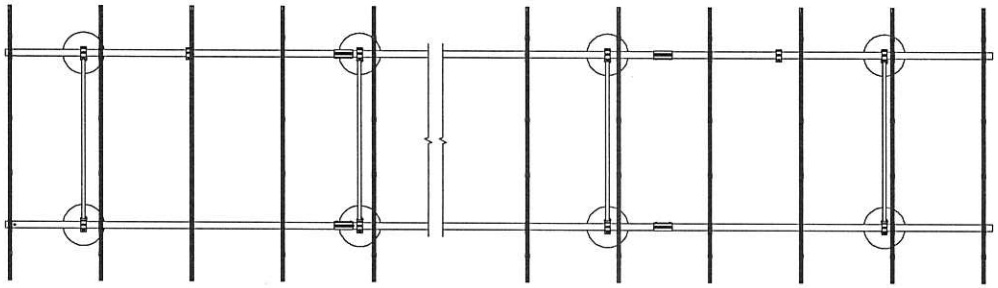

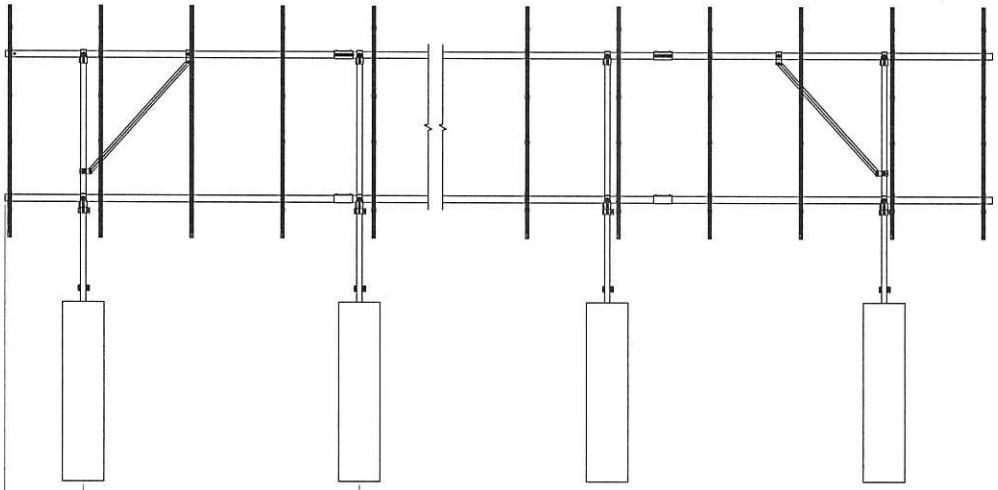

MAX 34
[864]

MAX 120
[3048]

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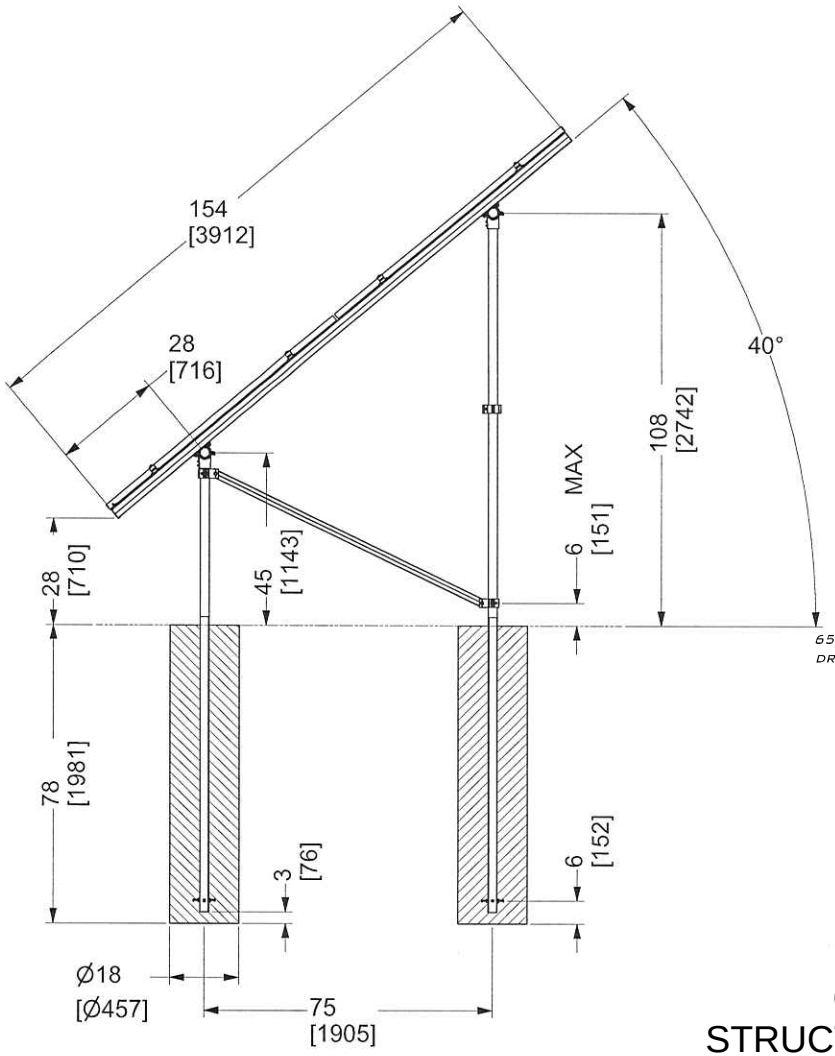
PROFESSIONAL ENGINEER ALBERTA
RUSSELL EMERY
LICENSED TO PRACTICE

02/15/2019

STRUCTURAL ONLY

VECTOR PROJECT #: U2716-071-181
ALBERTA FIRM LICENSE: 14521

	SunModo Corp.
	ALBERTA / BRITISH COLUMBIA / ONTARIO - 2P
D	
SCALE: 1/25	SHEET 2 of 3 REV



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D	
SCALE: 1/15	SHEET 3 OF 3