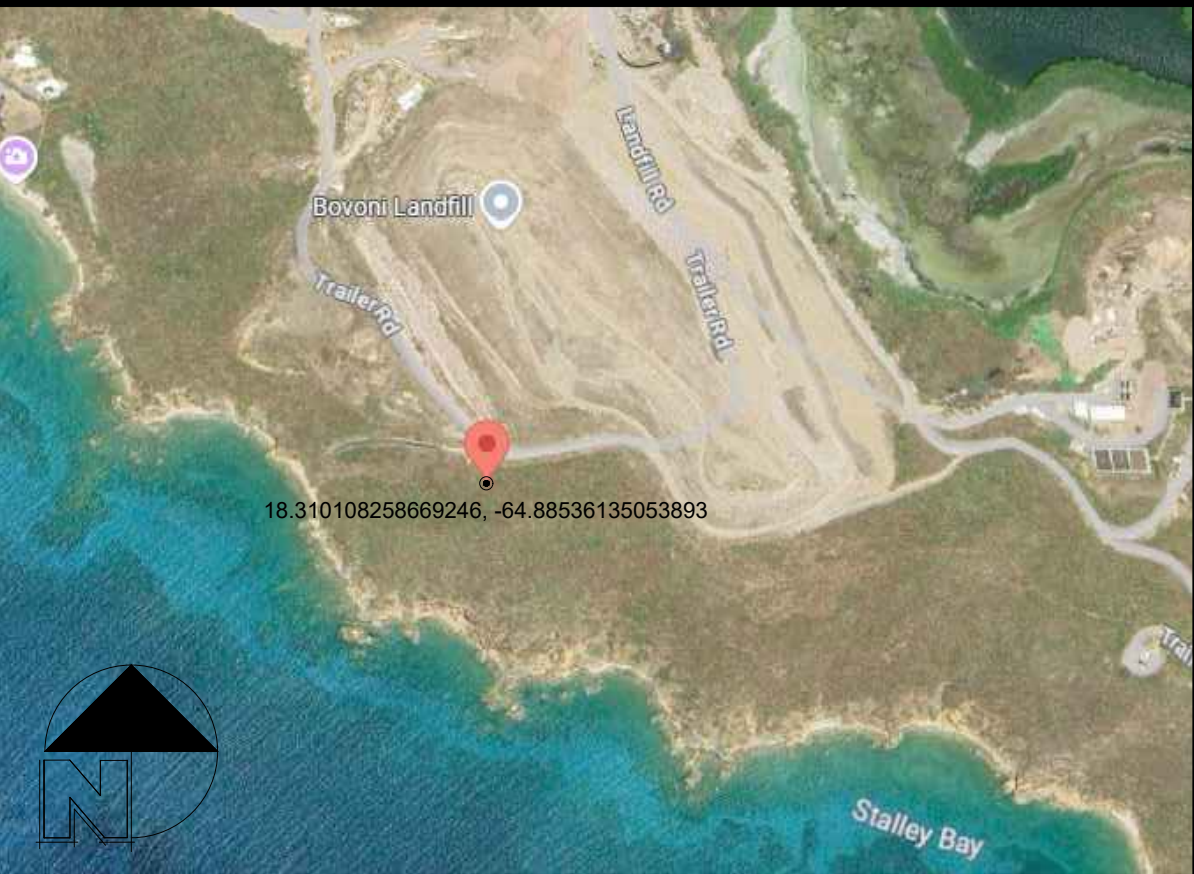
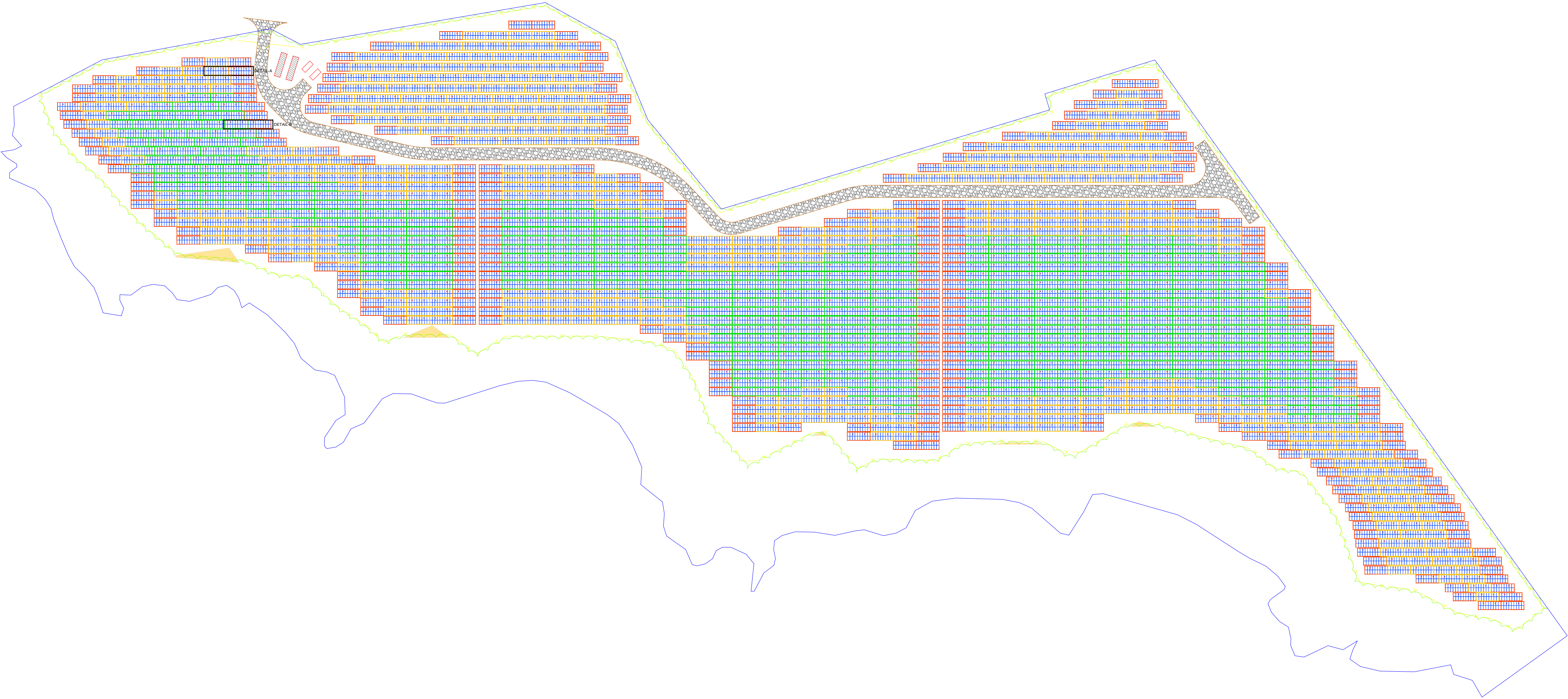


RACKING LAYOUT
SCALE: NTS

USER : ARCH1

PRINT DATE : May 9, 2025

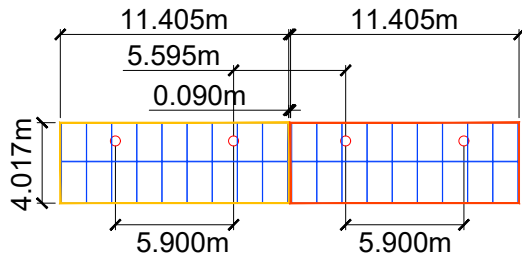
FILENAME : 007525 - CB LORANGER COMPANIES - BOVONI - REV01.DWG



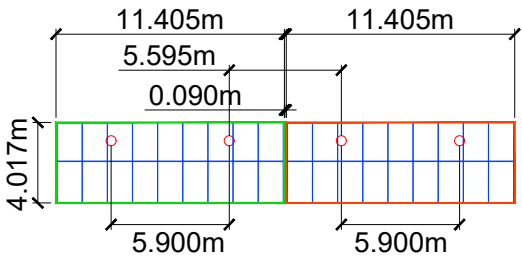
SITE LOCATION

LEGEND

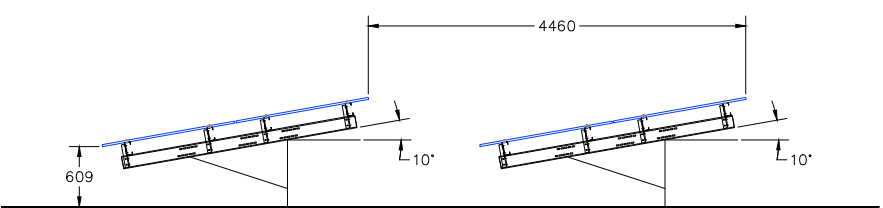
	2x9 ORANGE TABLE ARRAY (275 TOTAL)		2x9 YELLOW TABLE ARRAY (535 TOTAL)
	2x9 GREEN TABLE ARRAY (597 TOTAL)		PILE



DETAIL A- TABLES TOP VIEW
SCALE NTS



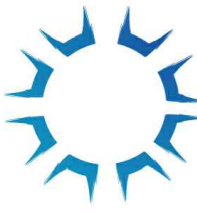
DETAIL B- TABLES TOP VIEW
SCALE NTS



DETAIL C- TABLES DETAIL
SCALE NTS

TABLE TYPE	ORANGE TABLES	YELLOW TABLES	GREEN TABLES	
2x9	275	535	597	1407
TOTALS	275	535	597	1407

PILE TYPE	SYMBOL	2x9 ORANGE TABLES	2x9 YELLOW TABLES	2x9 GREEN TABLES	TOTAL
POST xx, xxmm THK		550	1070	1194	2814
TOTAL		550	1070	1194	2814



POLAR
RACKING

6889 Rexwood Road, Unit 5, Mississauga, ON L4V 1R2
TEL: 416-860-6722 FAX: 416-860-6719
www.polarracking.com

ARRAY INFORMATION

PROPOSED DC SIZE	11.776 MW DC
ARRAY SIZE	2x9 MODULES
TILT ANGLE	10°
AZIMUTH	x°
PANEL TYPE	FS-646S-P-B / 465W
PANEL DIMS.	2024 x 1245mm
PANEL QTY: 2x9	25326
TABLE QTY. No. 2x9	1407
ROW PITCH	4.46m

1	ISSUED FOR REVIEW	09MAY25
0	ISSUED FOR REVIEW	13MAR25
REV NO.	ISSUANCE	DATE

PROJECT NAME:

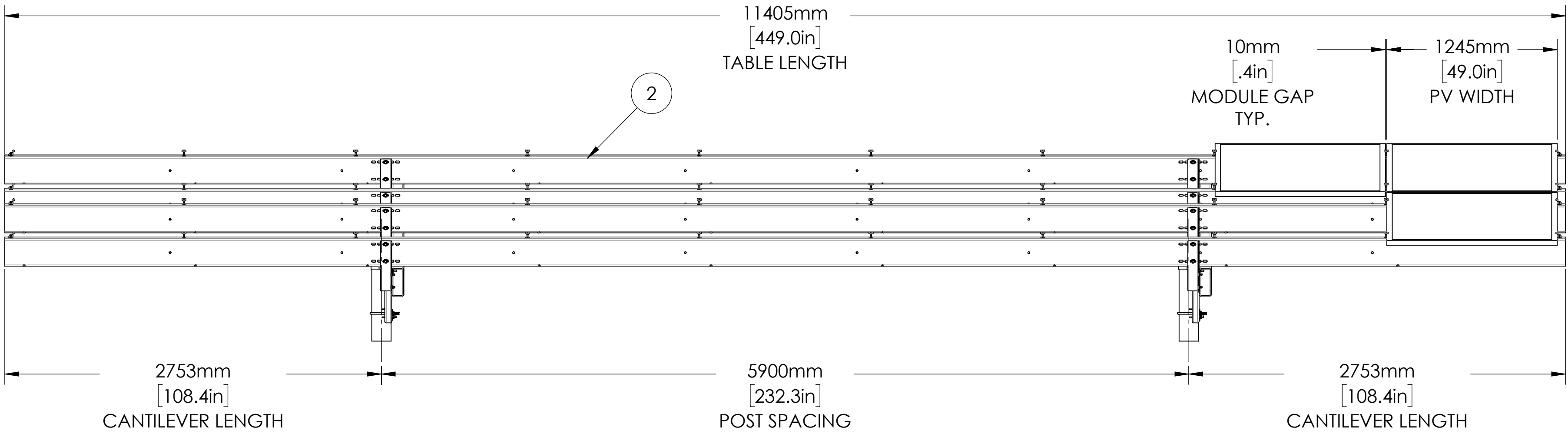
CB Loranger Companies
Bovoni

DRAWING NAME:

RACKING LAYOUT & DETAILS

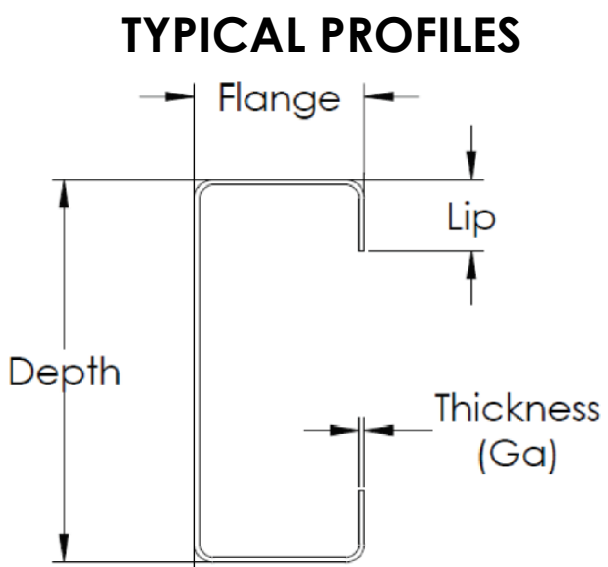
PROJ. NO.: 007525	DWG. BY: AV	CHKD. BY: MG	APPR. BY:
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DRAWING NUMBER: L-01

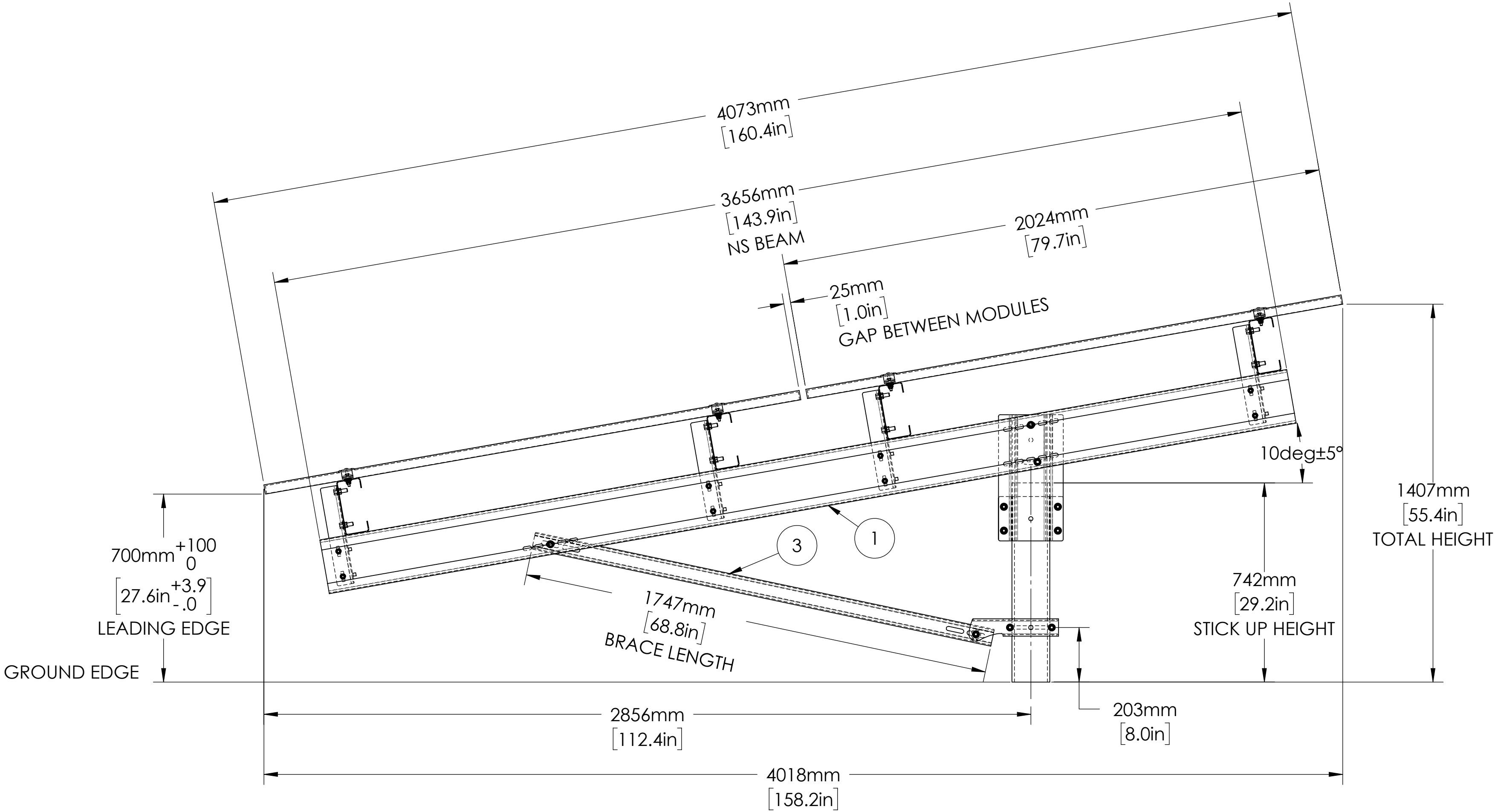


SOUTH ELEVATION

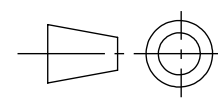
FOR BOLTING REQUIREMENTS,
REFER TO GENERAL NOTES 5
(DRAWING NUMBER G-01)



ITEM#	PART	MIN. THICKNESS (mm)	PROFILE (in.) Depth x Flange x Lip	MATERIAL Fy (ksi)
1	NORTH-SOUTH BEAM	XXX	8.0 x 3.5 x 1.5	80
2	EAST-WEST BEAM	XXX	8.0 x 3.5 x 1.5	80
3	LATERAL BRACE	XXX	6.0 X 3.0 X 1.0	80



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REV.:

REVISION		
REV	DESCRIPTION	DATE
A	FOR PERMIT	17/JUL/2025

THIS DRAWING IS THE PROPERTY OF POLAR RACKING INCLUDING THE PRINCIPLES OF THE DESIGN INVOLVED. IT IS SUBMITTED WITH THE AGREEMENT THAT IT IS NOT TO BE REPRODUCED, SHARED OR DISTRIBUTED IN PART OR IN WHOLE. ACCEPTANCE OF THE DRAWING IS CONSTRUED AS AGREEMENT TO THE ABOVE.

REV: **A**

ARRAY INFORMATION

RACK TYPE	
PROPOSED DC SIZE	
ARRAY SIZE	
TILT ANGLE	
AZIMUTH ANGLE	
MODULE TYPE	
MODULE DIMS.	
MODULE QTY.	
TABLE QTY.	
ROW PITCH	

PAPER SIZE D		
REVISIONS		
REV#	DESCRIPTION	DATE
A	ISSUED FOR PERMIT	17/JUL/25

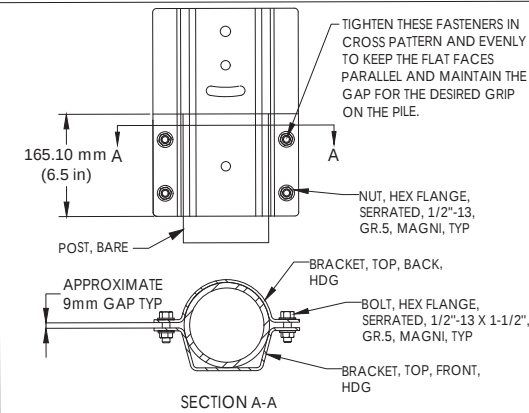
Customer's Approval and Signature:

PROJECT NAME:
CB Loranger Companies
Bovoni

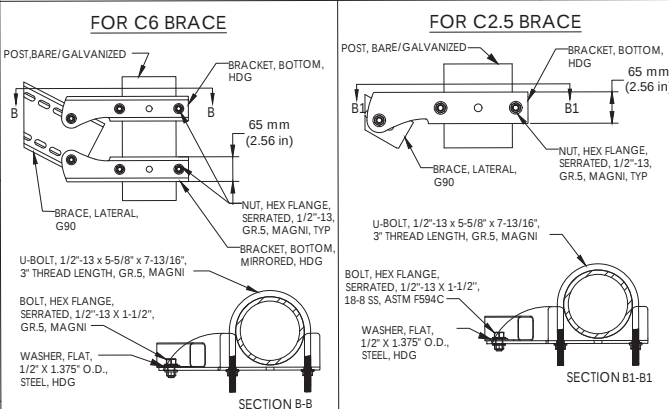
TITLE:
RACKING CONNECTIONS DETAILS

PROJ. NO.:	DWG. BY:	CHECKED BY:	SCALE
006326	AK	MG	NTS
DRAWING NUMBER:	S-02		
ASSEMBLY NUMBER:			

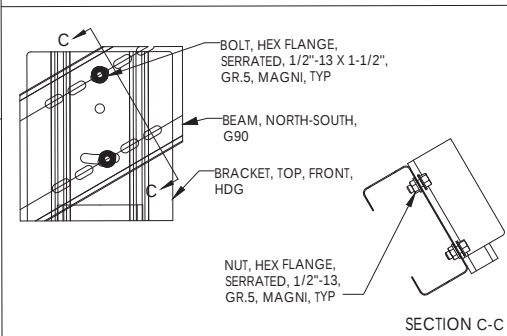
DETAIL A: TOP BRACKET TO ROUND POST



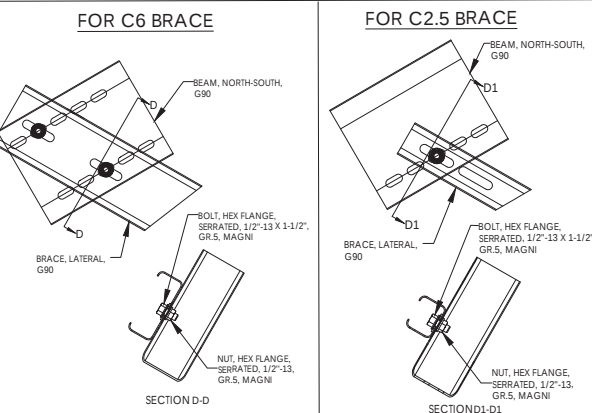
DETAIL B: BOTTOM BRACKET TO ROUND POST AND BRACE



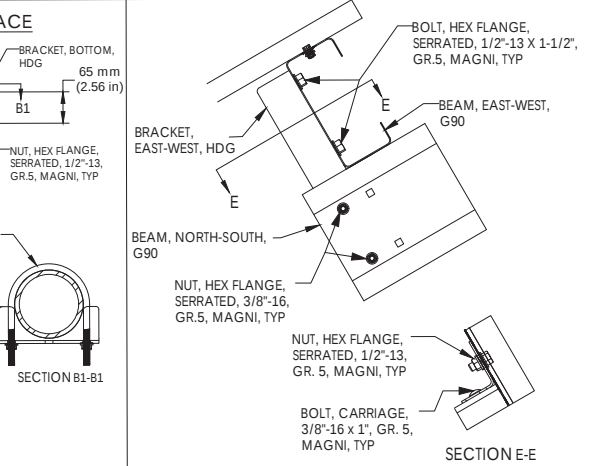
DETAIL C: NORTH-SOUTH BEAM TO TOP BRACKET



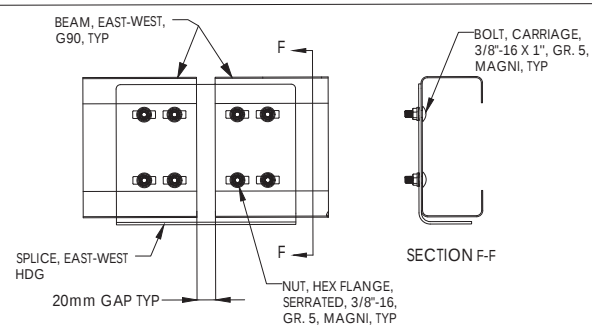
DETAIL D: BRACE TO NORTH-SOUTH BEAM



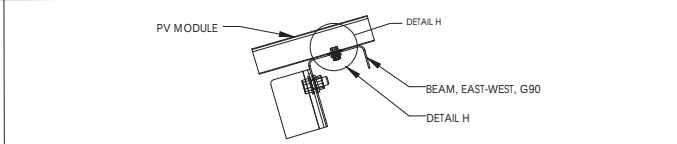
DETAIL E: EAST-WEST BRACKET TO NORTH-SOUTH AND EAST-WEST BEAM



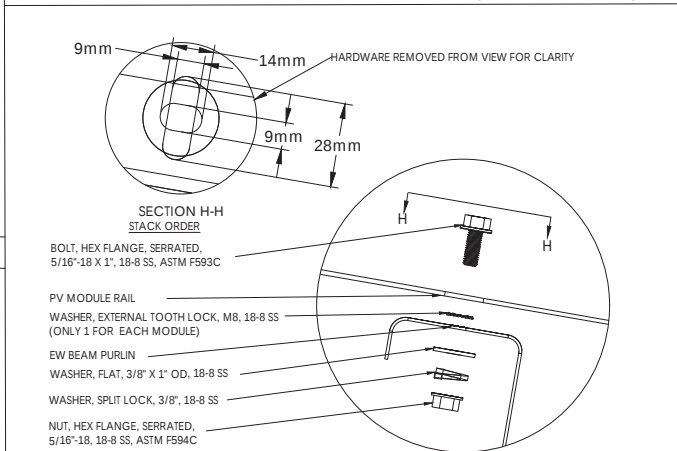
DETAIL F: SPLICE TO EAST-WEST BEAMS



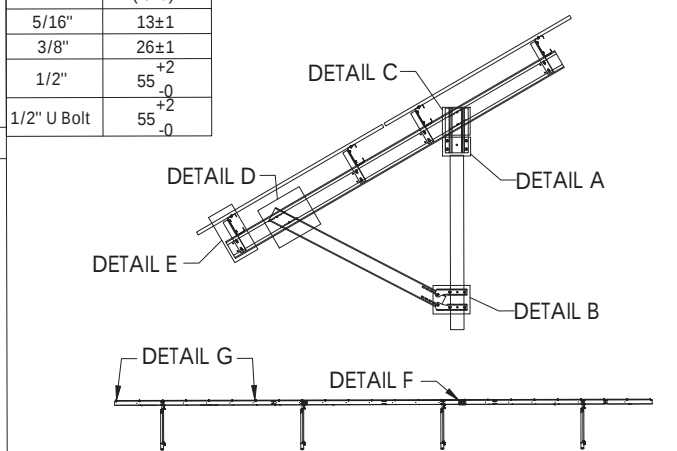
DETAIL G: DIRECT BOLTING TO PV PANEL (END PURLINS)



DETAIL H: PURLIN DIRECT BOLT CONNECTION TO PV MODULE FRAME (END AND MID PURLINS)



FASTENERS TORQUE	
FASTENER SIZE	TIGHTENING TORQUE (ft-lb)
5/16"	13±1
3/8"	26±1
1/2"	55 ⁺² ₋₀
1/2" U Bolt	55 ⁺² ₋₀



NOTE:
- THIS ELEVATION IS ONLY FOR REFERENCE. REFER TOP LEVEL DRAWING FOR EXACT MODEL