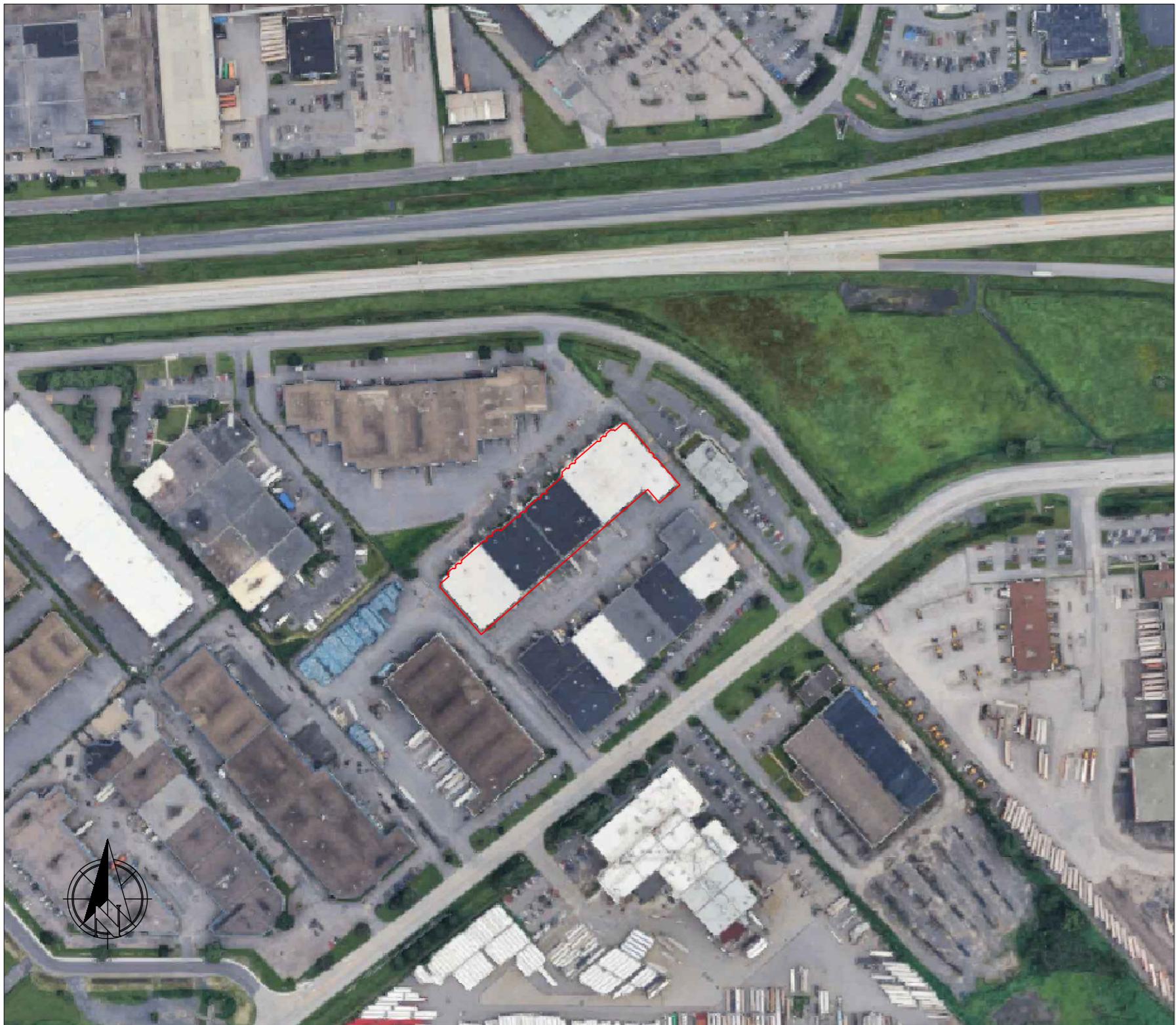


1500 Rue Nobel - 875.0 kW (dc)

1500 Rue Nobel, Boucherville, QC J4B 5H3

NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m



MECHANICAL PLAN SET BY:

KB RACKING INC.
1050 KING ST. W, SUITE 03A104
TORONTO, ON M6K 0C7

DRAWING INDEX

C-1.0 COVER SHEET

M-1.0 SITE PLAN & PROJECT SUMMARY

M-2.0 ROOF PLAN (LAYOUT)

M-3.0 LOAD REPORT

M-4.0 BALLAST PLAN

M-5.0 RAIL PLAN (IF APPLICABLE)

PROJECT:	1500 Rue Nobel 1500 Rue Nobel Boucherville, QC J4B 5H3
PROVIDER:	KB RACKING®
CLIENT:	kWh Quebec Inc.

DRAWING TITLE:	PROJECT:
PROVIDER:	KB RACKING®
CLIENT:	1050 KING ST. W, SUITE 03A104 TORONTO, ONTARIO M6K 0C7 CANADA
TOLL - FREE TEL: 1.888.661.3204 LOCAL TEL: 416 532 2500 EMAIL: info@kbracking.com	
WWW.KBRACKING.COM	

DRAWN BY:	CHECKED BY:	VERSION:
K.P.	Z.U.	1
PROJECT NO.: -		DRAWING NO.
DATE: 2025/10/21		C-1.0
SHEET: 1 OF 31		

Project Information		
Client Name	kWh Quebec Inc.	
Project Name	1500 Rue Nobel	
Project Address	1500 Rue Nobel, Boucherville, QC J4B 5H3	
Total Panel Count	1400	
Project Size (kW)	875.0	
System		
Panel Name	Jinko 625W	
Panel Weight (kg)	32.4	
Panel Length (mm)	2382	
Panel Width (mm)	1134	
Panel Thickness (mm)	30	
Panel Power (W)	625	
Panel Cell Type	72	
System Orientation	Landscape	
System Tilt (deg)	10	
Racking Weight Per Panel (kg)	12.838644	
System Row Spacing (m)	1.557	
Inter-Row Spacing (m)	0.435	
Reinforcement	NO	
Environment		
Importance Category	Normal	
Terrain Type	Intermediate with Xr (0 < Xr < 1km)	
Xr (km)	0.27	
Wind Pressure: q50 (kPa)	0.44	
Exposure Factor: Ce	0.8	
Sea Level (ft)	0-999	
LB Factor	25.00	
Wind Load Factor: αw	1.4	
Dead Load Factor: αD	0.9	
Closeness Factor	1.0	
RoofType	Custom	
Friction Coefficient	0.68	
Setback (m)	1.22	
Buildings		
Building	Building Height (m)	Parapet (mm) WI (m) Ws (m)
1	7.62	152.4 165 58



SITE PLAN

LOADING INFORMATION

Array	Number of Panels	Array Area (m ²)	Area Reduction Factor	Uplift Ballast (kg)	Drag Ballast (kg)	Additional Ballast per Panel Due to Drag (kg)	Total Ballast for Array (kg)	Average PSF
1	150	560.99	0.1251	3502.59	0.00	0.00	3502.59	3.76
2	167	624.57	0.1200	2817.56	0.00	0.00	2817.56	3.40
3	211	789.12	0.1084	2971.46	0.00	0.00	2971.46	3.25
4	112	418.87	0.1446	2187.65	315.71	0.00	2187.65	3.54
5	145	542.29	0.1266	2335.60	0.00	0.00	2335.60	3.36
6	142	531.07	0.1275	2380.94	0.00	0.00	2380.94	3.39
7	315	1178.07	0.1000	3565.73	0.00	0.00	3565.73	3.10
8	72	269.27	0.1715	2906.47	847.29	0.00	2906.47	4.70
9	86	321.63	0.1621	4050.38	742.67	0.00	4050.38	5.06
Total	1400		Total Ballast Weight	26718.38		Total System Weight	90052.42	

GENERAL NOTES:

1. THIS REPORT PROVIDES BALLAST AND LAYOUT INFORMATION FOR THE SOLAR SYSTEM.
2. SEE INSTALLATION DRAWINGS AND INSTALLATION LAYOUT FOR DIMENSIONS AND ARRAY INFO.
3. BALLAST SYSTEM IS DESIGNED BASED ON THE FOLLOWING REFERENCES:
 - 3.1 NATIONAL BUILDING CODE OF CANADA (NBCC) 2005, 2010 and 2015
 - Importance Category for buildings (Section 4.1.2.1)
 - Iw = Importance Factor for wind (Section 4.1.7.1)
 - Ce = Exposure Factor (Section 4.1.7.1)
 - aw = Wind Load Factor (Section 4.1.3.2)
 - aD = Dead Load Factor (Section 4.1.3.2)
 - 3.2 BRITISH COLUMBIA BUILDING CODE (BCBC) 2018
 - 3.3 NATIONAL BUILDING CODE - 2019 ALBERTA EDITION (2019 NBC(AE))
 - 3.4 ONTARIO BUILDING CODE (OBC) 2012
 - 3.5 KB RACKING ROOF-MOUNTED PV RACKING SYSTEMS WIND PRESSURE STUDY, RWDI #1600846, APRIL 21, 2023
- *Ballast to Resist Uplift = $(aw \cdot Iw \cdot q_{50} \cdot Ce) / [Cp \cdot Cg \cdot (uplift - Auplift) - aD \cdot M] / aD$
- *Ballast to Resist Drag = $[aw \cdot q_{50} \cdot Ce \cdot (1000/9.81) \cdot [(Cp \cdot Cg) \cdot drag \cdot Adrag \cdot (1/fn) + (Cp \cdot Cg) \cdot uplift \cdot Auplift] - aD \cdot M] / aD$
4. A PROFESSIONAL STRUCTURAL ENGINEER LICENSED WHERE THE RACKING SYSTEM WILL BE INSTALLED IS REQUIRED TO APPROVE THE DESIGN.
5. THE STRUCTURAL ENGINEER OF THE BUILDING IS RESPONSIBLE TO CHECK THE ADEQUACY OF THE BUILDING'S STRUCTURAL CAPACITY TO SUPPORT THE LOADS INDICATED ON THIS DRAWING.
6. THE MOUNTING SYSTEM SHALL BE INSTALLED AS PER KB RACKING SPECIFICATIONS AND PROCEDURES.
7. INSTALL THE SPECIFIED PHOTOVOLTAIC MODULES ONLY. ANY CHANGES IN THE MODULE SIZE OR TYPE MUST BE NOTIFIED TO KB RACKING INC.
8. ANY CHANGES IN THE MOUNTING SYSTEM LAYOUT IS NOT PERMITTED UNLESS APPROVED BY KB RACKING INC.

NOTE: AVERAGE PSF LOADS REPRESENT THE UNIFORMLY DISTRIBUTED LOAD IMPOSED BY THE RACKING INSTALLATION ON THE ROOF. AVERAGE LOADS SHOULD NOT BE USED FOR THE STRUCTURAL REVIEW OF THE SUPPORTING ROOF STRUCTURE WITHOUT CONSIDERATION FOR LOCALIZED PSF LOADS WHICH MAY BE MORE SIGNIFICANT. LOCALIZED PSF LOADS PER PANEL ARE ACCOMPANIED WITHIN THIS REPORT IN THE FOLLOWING PAGES.

KB RACKING INC. HAS NO LIABILITY FOR THE USE OF THIS REPORT BY THE CUSTOMER. THE CUSTOMER MAY CHOOSE TO CERTIFY THIS REPORT WITH A LICENSED STRUCTURAL ENGINEER NOT UNDER CONTRACT TO KB RACKING. IN THIS CASE, KB RACKING WARRANTY ASSIGNMENT IS CONTINGENT ON RECEIVING THE CERTIFIED REPORT AND/OR WRITTEN CONFIRMATION THAT THE STRUCTURAL ENGINEER HAS CERTIFIED THE REPORT. IF THERE ARE ANY QUESTIONS OR CONCERN, PLEASE CONTACT KB RACKING INC.

NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m

SITE PLAN-PROJECT SUMMARY

DRAWING TITLE: SITE PLAN-PROJECT SUMMARY

PROJECT: 1500 Rue Nobel

client: kWh Quebec Inc.

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1-888-661-3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: K.P.

CHECKED BY: Z.U.

VERSION: 1

PROJECT NO.: -

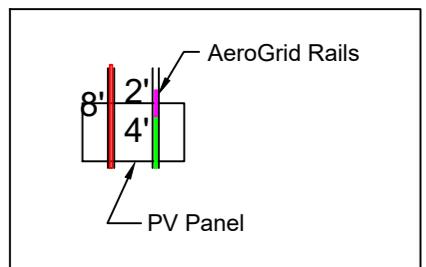
DATE: 2025/10/21

SHEET: 2 OF 31

DRAWING NO.: M-1.0

NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

ROOF PLAN

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE: PROJECT: CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

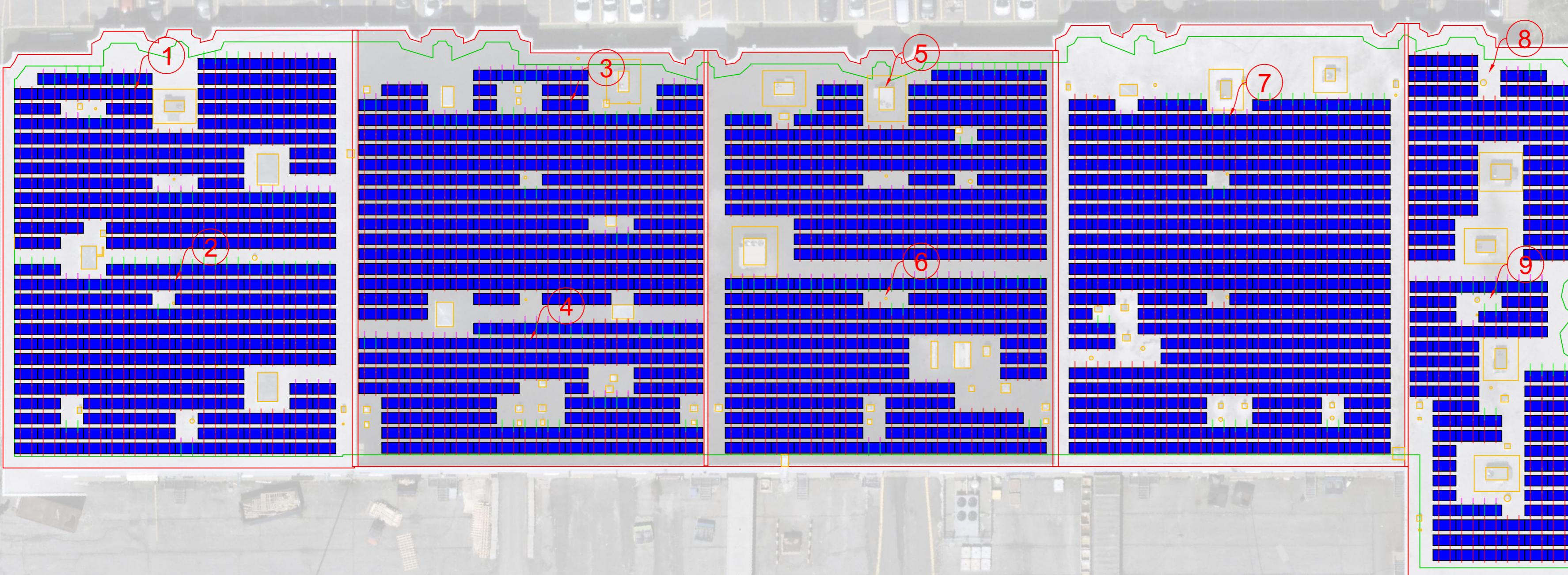
DATE: -

2025/10/21

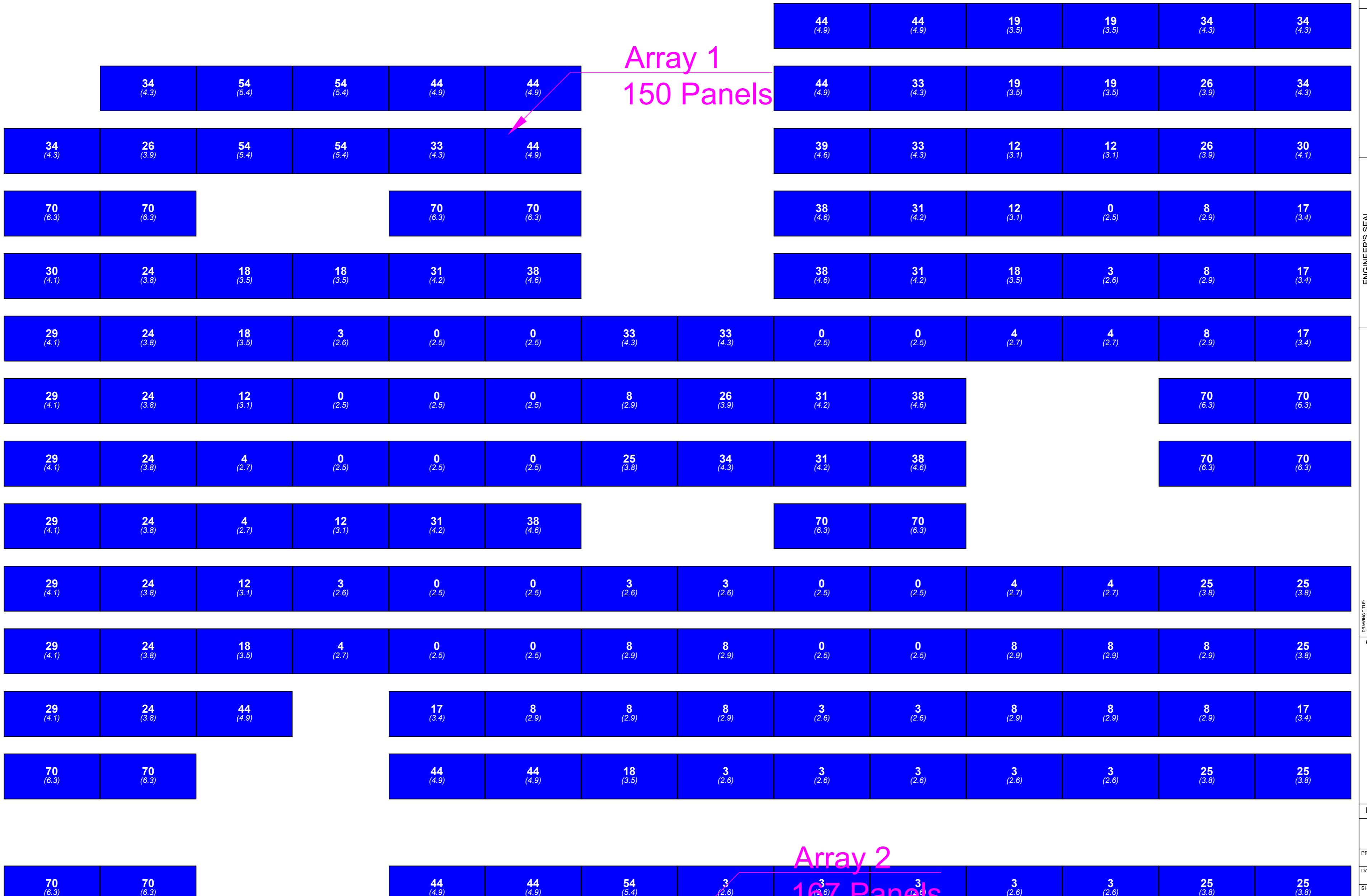
SHEET: M-2.0

3 OF 31

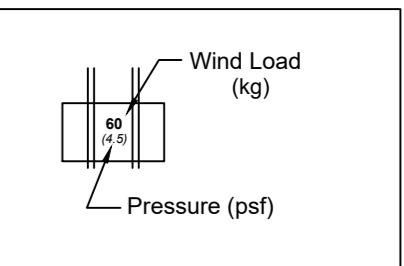
ARRAY LAYOUT



NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m



LEGEND



ENGINEER'S SEAL

LOAD ARRAY 1
 1500 Rue Nobel
 1500 Rue Nobel
 Boucherville, QC J4B 5H3
 kWh Quebec Inc.

DRAWING TITLE:
 PROJECT:
 PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
 TORONTO, ONTARIO M6K 0C7
 CANADA

TOLL - FREE TEL: 1-888-661-3204
 LOCAL TEL: 416 532 2500
 EMAIL: info@kracking.com
 WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.:
 - DRAWING NO.
 DATE: 2025/10/21 M-3.1
 SHEET: 4 OF 31

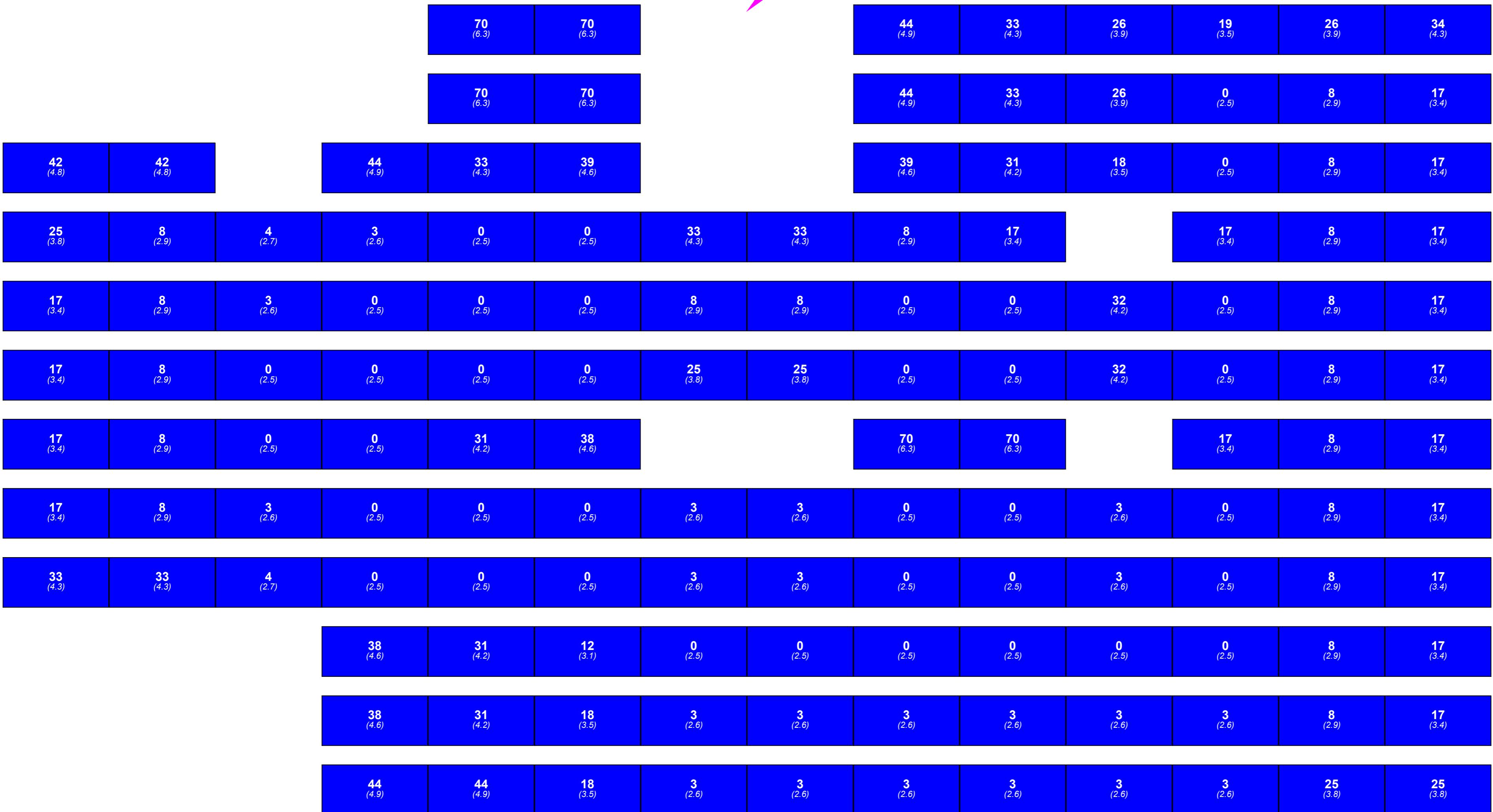
NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m



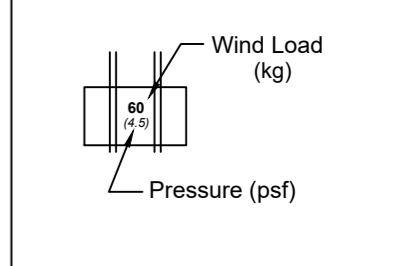


NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

Array 5 145 Panels



LEGEND



ENGINEER'S SEAL

LOAD ARRAY 5

kWh Quebec Inc.

DRAWING TITLE:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kbracking.com

WWW.KBRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: - DRAWING NO.:

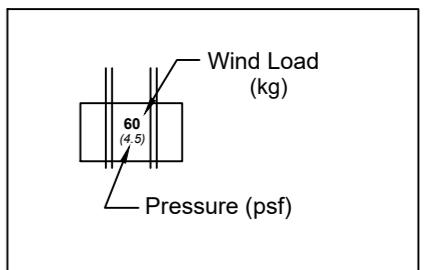
DATE: 2025/10/21 SHEET: M-3.5

SHEET: 8 OF 31

Array 6

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



Array 6 142 Panels

38 (4.6)	31 (4.2)	12 (3.1)	0 (2.5)	8 (2.9)	17 (3.4)						
38 (4.6)	31 (4.2)	18 (3.5)	3 (2.6)	8 (2.9)	17 (3.4)						
44 (4.9)	44 (4.9)	18 (3.5)	3 (2.6)	25 (3.8)	25 (3.8)						
33 (4.3)	33 (4.3)	4 (2.7)	3 (2.6)	3 (2.6)	40 (4.7)	40 (4.6)	3 (2.6)	3 (2.6)	3 (2.6)	3 (2.6)	25 (3.8)
25 (3.8)	8 (2.9)	3 (2.6)	19 (3.5)	33 (4.3)	44 (4.9)		44 (4.9)	33 (4.3)	26 (3.9)	8 (2.9)	8 (2.9)
30 (4.1)	26 (3.9)	12 (3.1)	0 (2.5)	0 (2.5)	0 (2.5)	3 (2.6)	3 (2.6)	8 (2.9)	8 (2.9)	8 (2.9)	26 (3.9)
17 (3.4)	8 (2.9)	0 (2.5)	0 (2.5)	0 (2.5)	0 (2.5)	3 (2.6)	3 (2.6)	4 (2.7)	4 (2.7)	4 (2.7)	8 (2.9)
17 (3.4)	8 (2.9)	0 (2.5)	0 (2.5)	0 (2.5)	0 (2.5)	31 (4.2)	38 (4.6)		70 (6.3)	70 (6.3)	
17 (3.4)	8 (2.9)	0 (2.5)	0 (2.5)	0 (2.5)	0 (2.5)	31 (4.2)	38 (4.6)		70 (6.3)	70 (6.3)	
17 (3.4)	8 (2.9)	0 (2.5)	0 (2.5)	0 (2.5)	0 (2.5)	31 (4.2)	38 (4.6)		70 (6.3)	70 (6.3)	
17 (3.4)	8 (2.9)	0 (2.5)	0 (2.5)	0 (2.5)	0 (2.5)	4 (2.7)	0 (2.5)	44 (4.9)	44 (4.9)		
29 (4.1)	24 (3.8)	4 (2.7)	0 (2.5)	8 (2.9)	17 (3.4)		29 (4.1)	33 (4.3)	44 (4.9)		
29 (4.1)	24 (3.8)	12 (3.1)	0 (2.5)	8 (2.9)	17 (3.4)		17 (3.4)	8 (2.9)	0 (2.5)	44 (4.9)	44 (4.9)
17 (3.4)	8 (2.9)	3 (2.6)	3 (2.6)	8 (2.9)	17 (3.4)		17 (3.4)	8 (2.9)	3 (2.6)	8 (2.9)	8 (2.9)
25 (3.8)	25 (3.8)	3 (2.6)	3 (2.6)	3 (2.6)	52 (5.3)	3 (2.6)	3 (2.6)	3 (2.6)	25 (3.8)	25 (3.8)	33 (4.3)

ENGINEER'S SEAL

LOAD ARRAY 6

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:

PROJECT:

CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL - FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com
WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

-

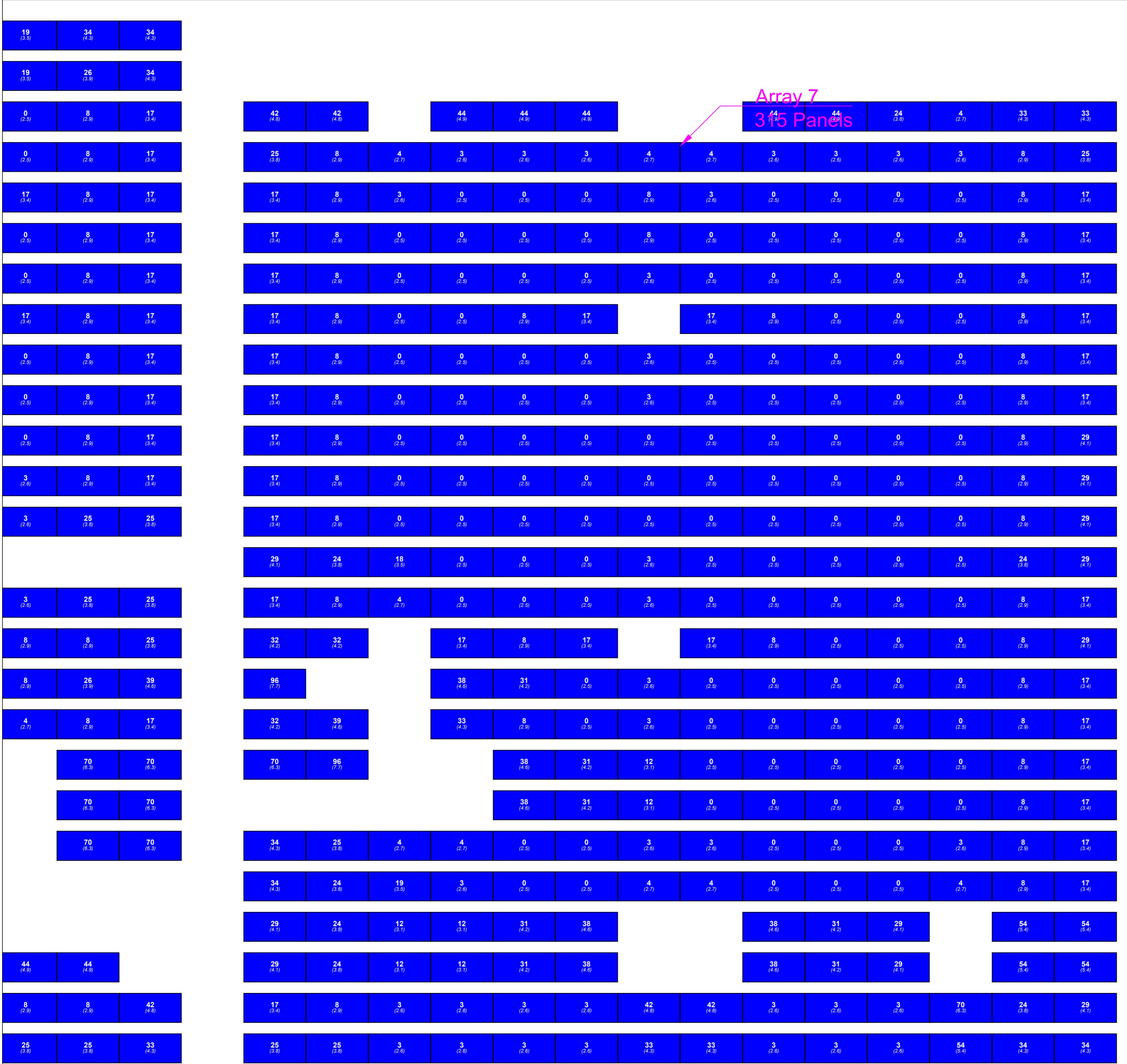
DATE: 2025/10/21

SHEET: 9 OF 31

M-3.6

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

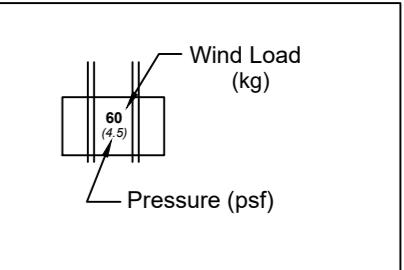
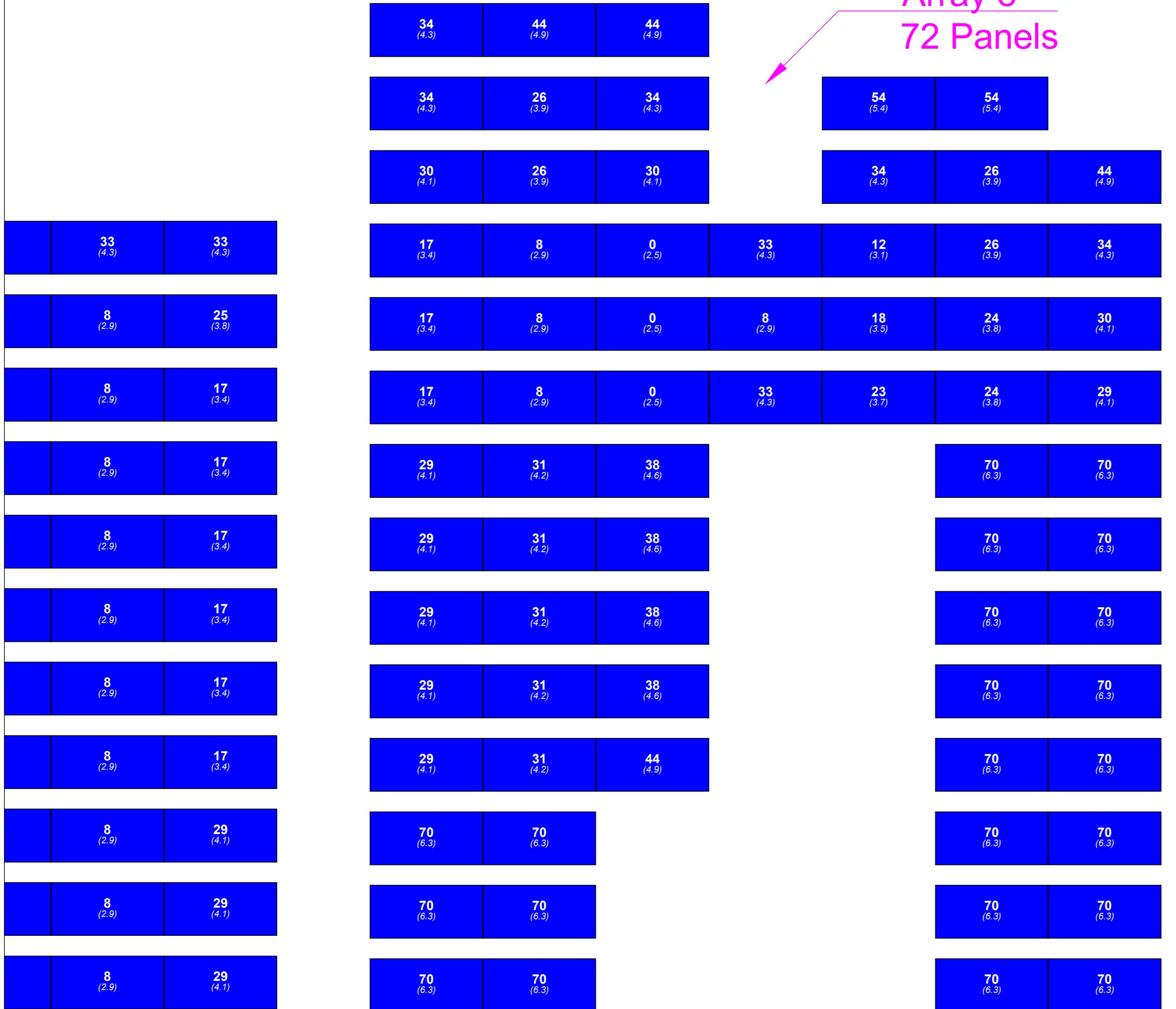
Array 7
315 Panels



NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m

Array 8

72 Panels



ENGINEER'S SEAL

LOAD ABBAY 8

1500 Rue Nobel
Boucherville, QC J4B 5H3

KWH Québec Inc.

WING TITLE:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL - FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kbracking.com

WWW.KBRACKING.COM

CHECKED BY: VERONICA

20

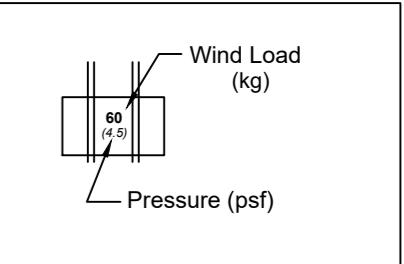
DRAWING NO.

M-3.8

1 | Page

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

LOAD ARRAY 9

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE: PROJECT: CLIENT:
PROVIDER:



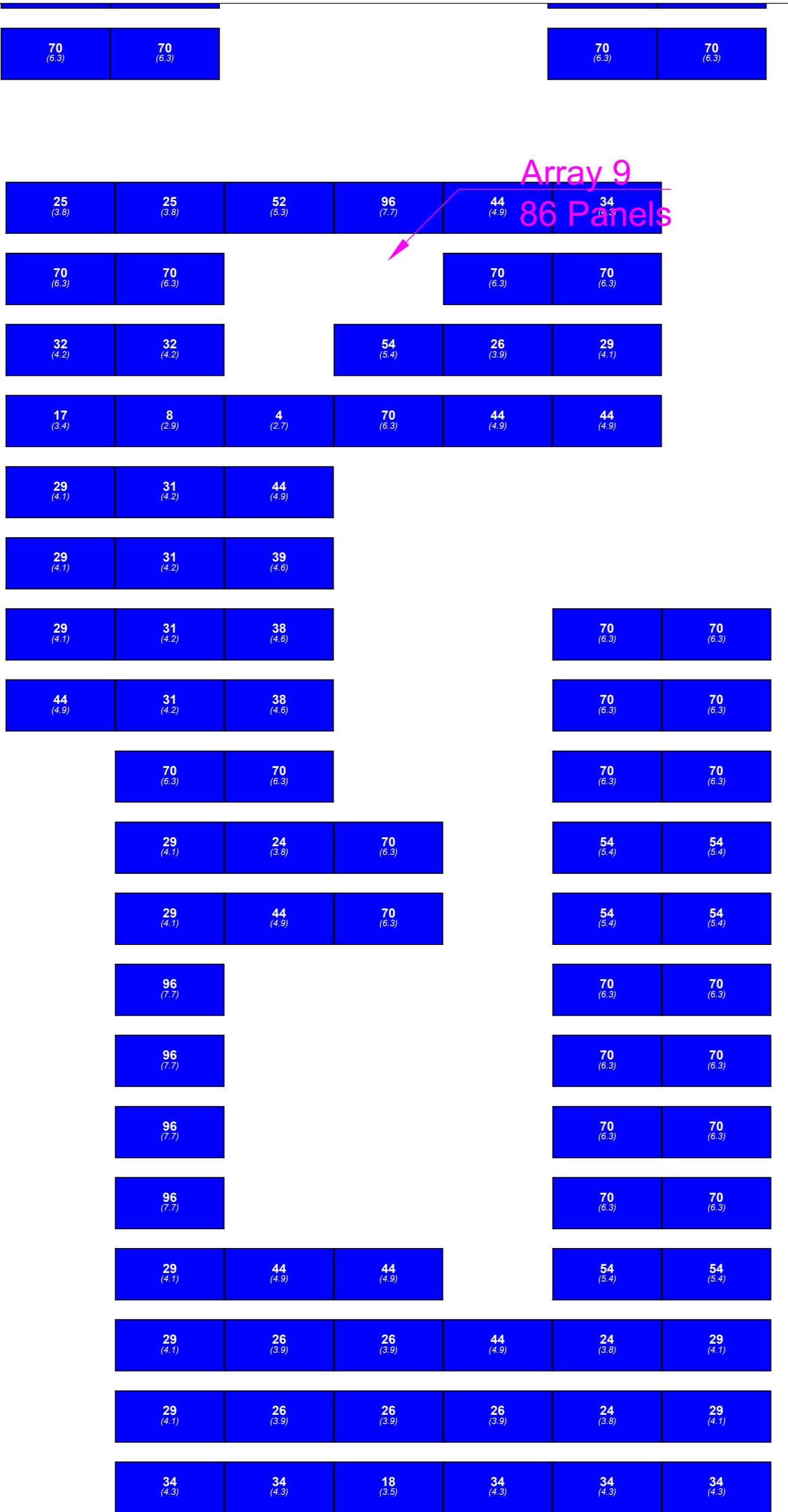
1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1-888-661-3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com
WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:
K.P. Z.U. 1

PROJECT NO.: -	DRAWING NO.:
DATE: 2025/10/21	
SHEET: 12 OF 31	M-3.9

0 (2.5)	0 (2.5)	8 (2.9)	29 (4.1)
0 (2.5)	0 (2.5)	24 (3.8)	29 (4.1)
0 (2.5)	0 (2.5)	8 (2.9)	17 (3.4)
0 (2.5)	0 (2.5)	8 (2.9)	29 (4.1)
0 (2.5)	0 (2.5)	8 (2.9)	17 (3.4)
0 (2.5)	0 (2.5)	8 (2.9)	17 (3.4)
0 (2.5)	3 (2.6)	8 (2.9)	17 (3.4)
0 (2.5)	4 (2.7)	8 (2.9)	17 (3.4)
29 (4.1)	54 (5.4)	54 (5.4)	
29 (4.1)	54 (5.4)	54 (5.4)	
3 (2.6)	70 (6.3)	24 (3.8)	29 (4.1)
3 (2.6)	54 (5.4)	34 (4.3)	34 (4.3)



1500 Rue Nobel - 875.0 kW (dc)

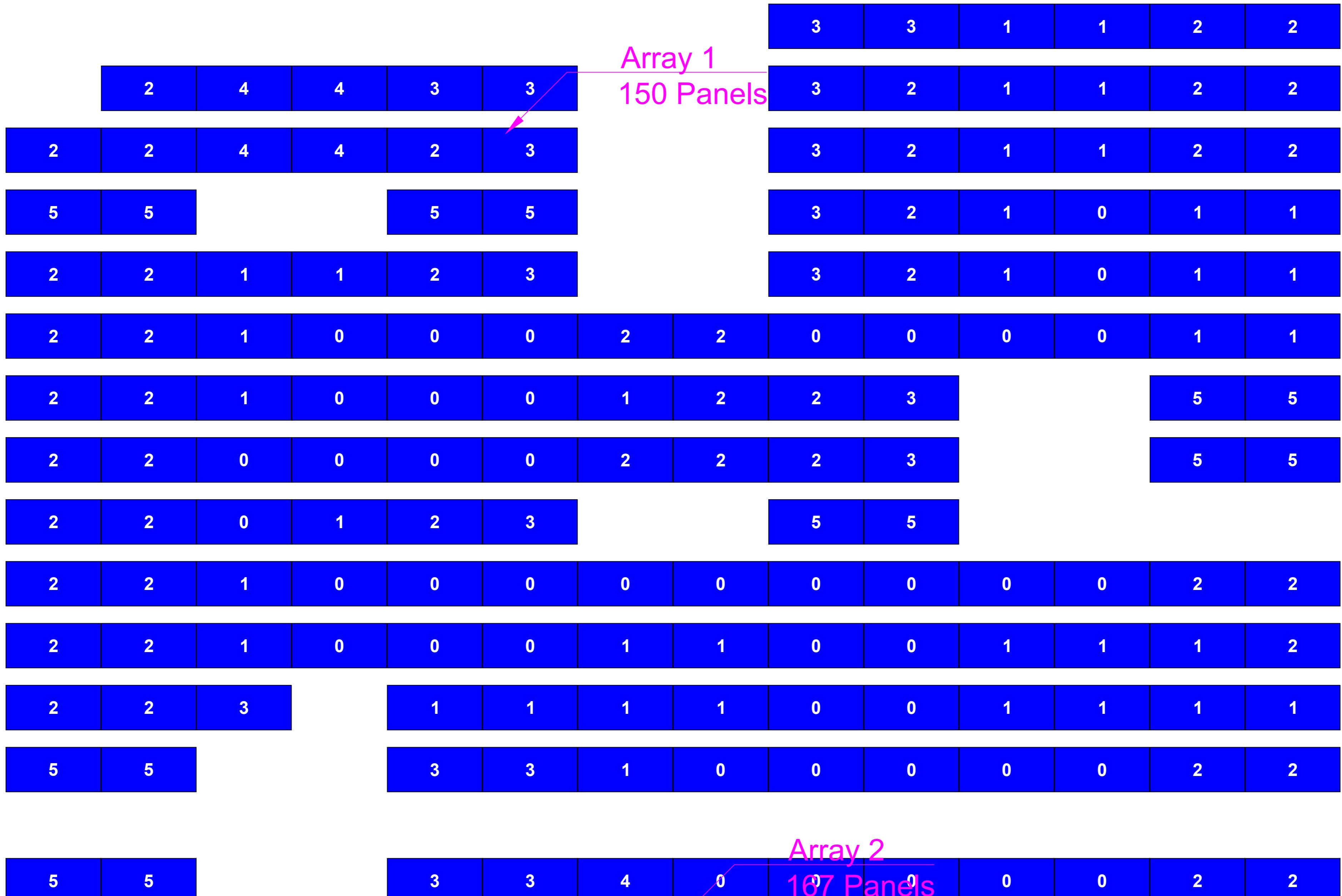
1500 Rue Nobel, Boucherville, QC J4B 5H3

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

Total Ballast (kg)	Stone Quantities			
	15.5x7.5x3.5in	Ballast Trays	Accessory Brackets	High Uplift Supports
	Large (14.5 kg)			
Array 01	3596.00	248	0	0
Array 02	2900.00	200	0	0
Array 03	3059.50	211	0	0
Array 04	2247.50	155	0	0
Array 05	2334.50	161	0	0
Array 06	2465.00	170	0	0
Array 07	3668.50	253	0	0
Array 08	3001.50	207	0	0
Array 09	4190.50	289	0	0
Totals	27463.00	1894	0	0
<i>Recommended Ballast</i>	26718.38			
<i>Additional Ballast Weight</i>	744.62			

DRAWING TITLE:	PAVER LAYOUT	
PROJECT:	1500 Rue Nobel 1500 Rue Nobel Boucherville, QC J4B 5H3	
CLIENT:	kWh Quebec Inc.	
PROVIDER:	KB RACKING®	
1050 KING ST. W, SUITE 03A104 TORONTO, ONTARIO M6K 0C7 CANADA		
TOLL-FREE TEL: 1.888.661.3204 LOCAL TEL: 416 532 2500 EMAIL: info@kbracking.com		
WWW.KBRACKING.COM		
DRAWN BY:	CHECKED BY:	VERSION:
K.P.	Z.U.	1
PROJECT NO.:	DRAWING NO.:	
DATE:	2025/10/21	
SHEET:	M-4.0	
13 OF 31		

NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m

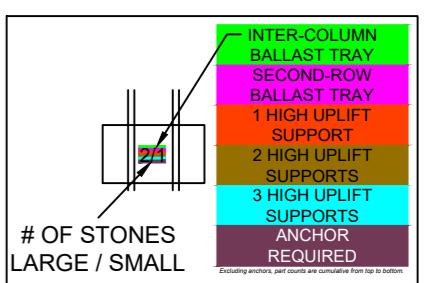


2	2	3	1	1	1	1	0	0	1	1	1	1
5	5		3	3	1	0	0	0	0	0	2	2

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

5	5		3	3	4	0	0	0	0	0	2	2
2	2	2	0	0	0	2	0	0	0	0	1	2
2	2	1	0	1	1		1	1	0	0	1	1
2	2	1	0	0	0	0	0	0	0	0	1	1
2	2	0	0	0	0	0	0	0	0	0	1	2
2	2	0	0	0	0	0	0	0	0	0	0	1
2	2	1	0	0	0	0	0	0	0	0	0	2
2	2	1	0	0	0	0	1	2	3			
2	2	2	0	0	0	0	1	2	3		5	5
4	4		1	1	0	0	2	2	3		5	5
4	4		1	1	1	1		1	1	2	3	2
2	2	5	0	0	1	1		1	1	1	2	2
2	2	4	0	0	0	0	4	0	0	2	2	2

LEGEND



ENGINEER'S SEAL

PAVER ARRAY 2
1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3
kWh Quebec Inc.

DRAWING TITLE: PAVER ARRAY 2
PROJECT: 1500 Rue Nobel
CLIENT: kWh Quebec Inc.
PROVIDER: KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA
TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416.532.2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: K.P. CHECKED BY: Z.U. VERSION: 1

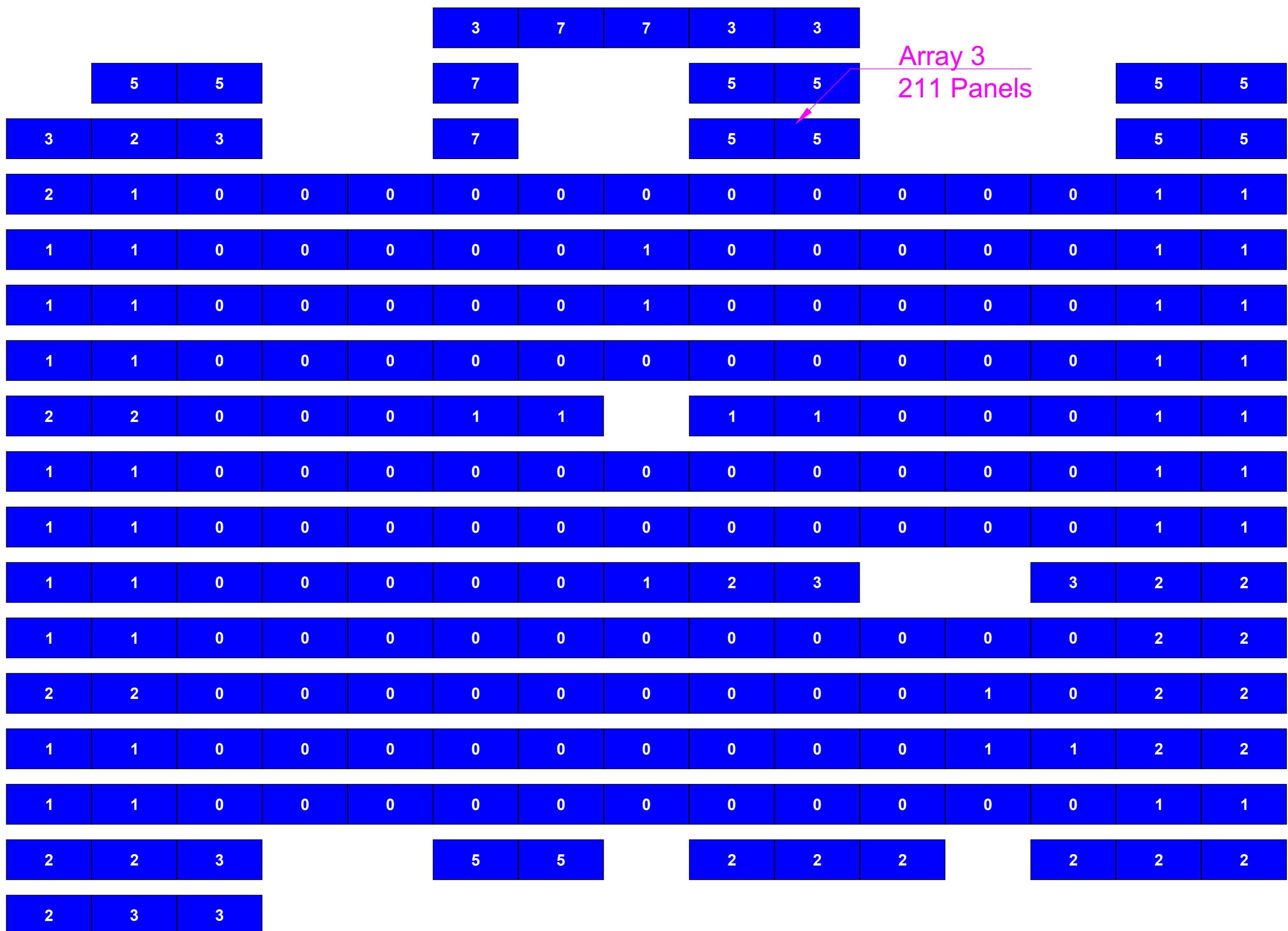
PROJECT NO.: - DRAWING NO.

DATE: 2025/10/21

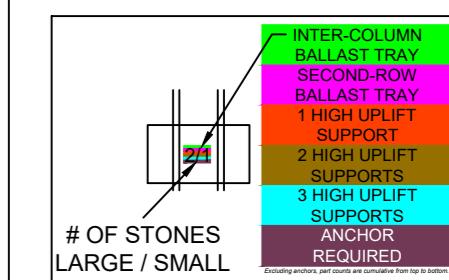
SHEET: 15 OF 31

M-4.2

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m



LEGEND



ENGINEER'S SEAL

PAVER ARRAY 3

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:

PROJECT:

CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: - DRAWING NO.:

DATE: 2025/10/21 SHEET: M-4.3

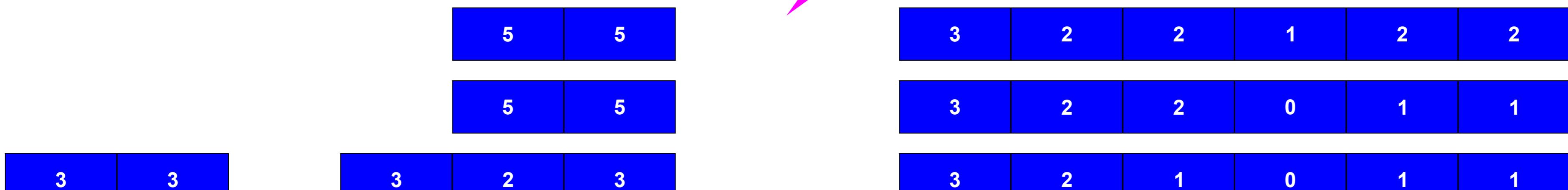
SHEET: 16 OF 31

1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	NOTE: 1400 Modules (Jinko 625W) DC Output: 875.00 kW (DC) AeroGrid L: 10 Degree Tilt Row Spacing: 1.56m Inter-Row Spacing: 0.44m Setback from edge: 1.22m				
2	2	0	0	0	0	0	0	0	0	0	1	0	2	2					
1	1	0	0	0	0	0	0	0	0	0	1	1	2	2					
1	1	0	0	0	0	0	0	0	0	0	0	0	1	1					
2	2	3			5	5		2	2	2		2	2	2					
2	3	3																	
Array 4																			
112 Panels																			
3	3	2	0	0	2	2	2	2	0	2	2	0	2	2					
2	2	0	0	0	0	0	1	1	0	1	1	0	1	2					
2	1	0	0	0	0	0	0	1	1	0	2	2	0	1	1				
1	1	0	0	0	0	0	0	2	3	3		3	2	2					
2	1	0	0	0	2	3		7			3	2	3						
2	2	0	2	3				3	3	2	2	2							
2	2	1	2	3				3	2	2	2	2							
2	2	1	0	0	3	3	3	0	1	1	0	1	2	3					
2	2	1	0	0	2	2	2	0	0	0	0	0	2	2					
PAVER ARRAY																			
kWh Quebec Inc.																			
PROJECT: 1500 Rue Nobel 1500 Rue Nobel Boucherville, QC J4B 5H3																			
DRAWING TITLE: PAVER ARRAY																			
PROVIDER: KB RACKING®																			
1050 KING ST. W, SUITE 03A104 TORONTO, ONTARIO M6K 0C7 CANADA																			
TOLL - FREE TEL: 1.888.661.3204 LOCAL TEL: 416 532 2500 EMAIL: info@kbracking.com																			
WWW.KBRACKING.COM																			
DRAWN BY: K.P. CHECKED BY: Z.U. VERSION: 1																			
PROJECT NO.: - DRAWING NO.:																			
DATE: 2025/10/21 SHEET: 17 OF 31 M-4.4																			

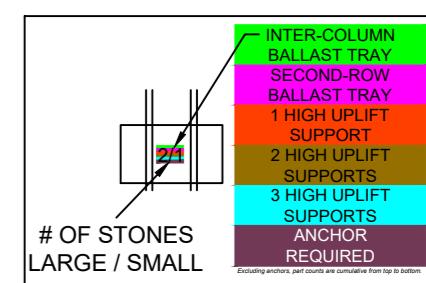
NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

Array 5

145 Panels



LEGEND



ENGINEER'S SEAL

PAVER ARRAY 5

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:

PROJECT:

CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

-

DATE: 2025/10/21

SHEET: 18 OF 31

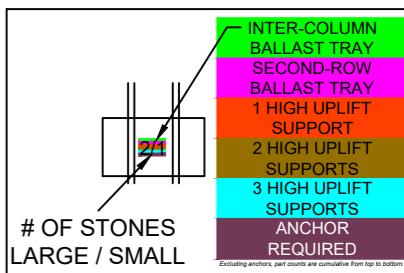
M-4.5

Array 6

3	2	1	0	0	0	0	0	0	1	1
3	2	1	0	0	0	0	0	0	1	1
3	3	1	0	0	0	0	0	0	2	2

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

PAVER ARRAY 6

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE: PROJECT: CLIENT:

PROVIDER: **KB RACKING®**

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416.532.2500
EMAIL: info@kracking.com
WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

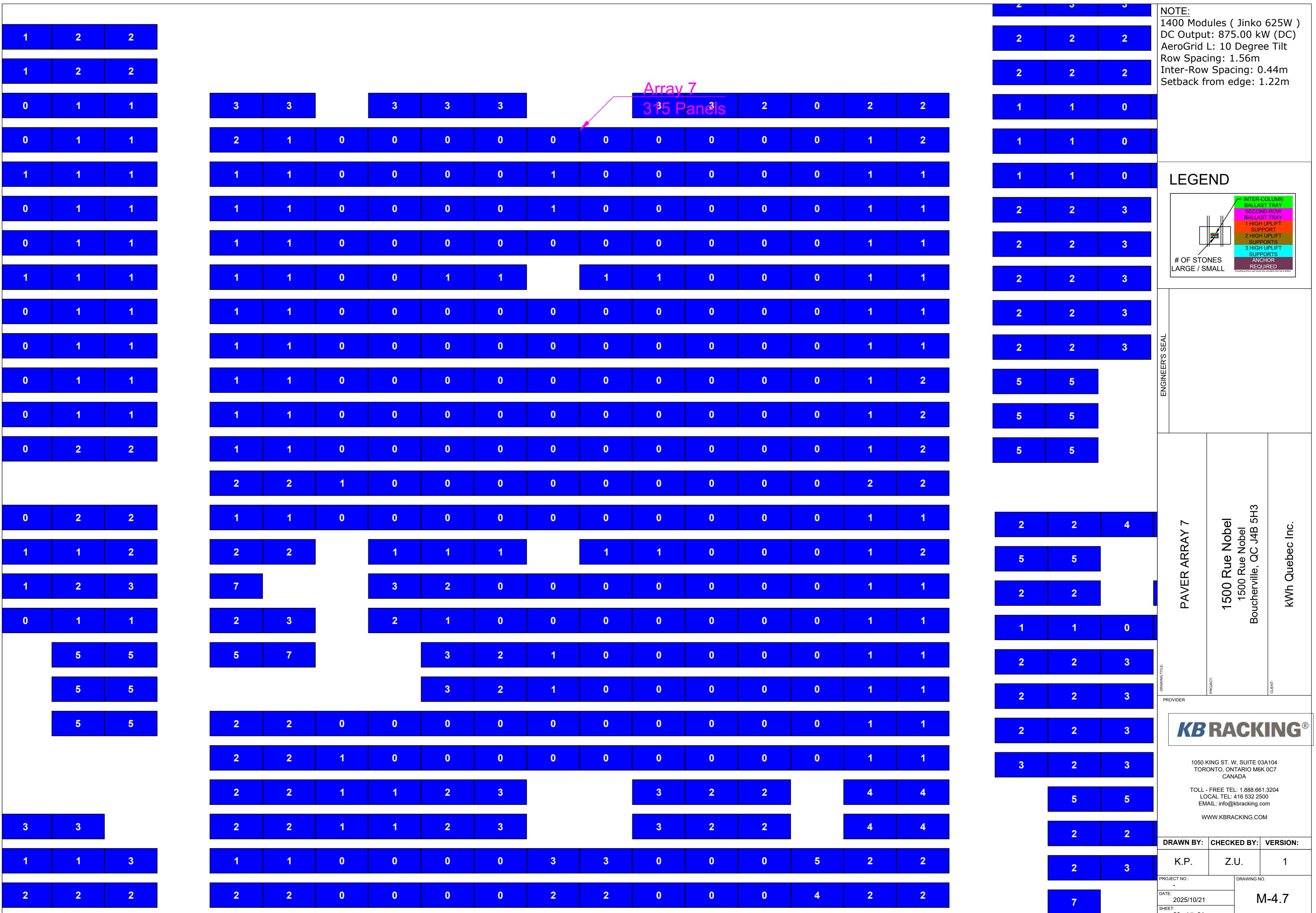
DATE: - M-4.6

SHEET: 19 OF 31

Array 6

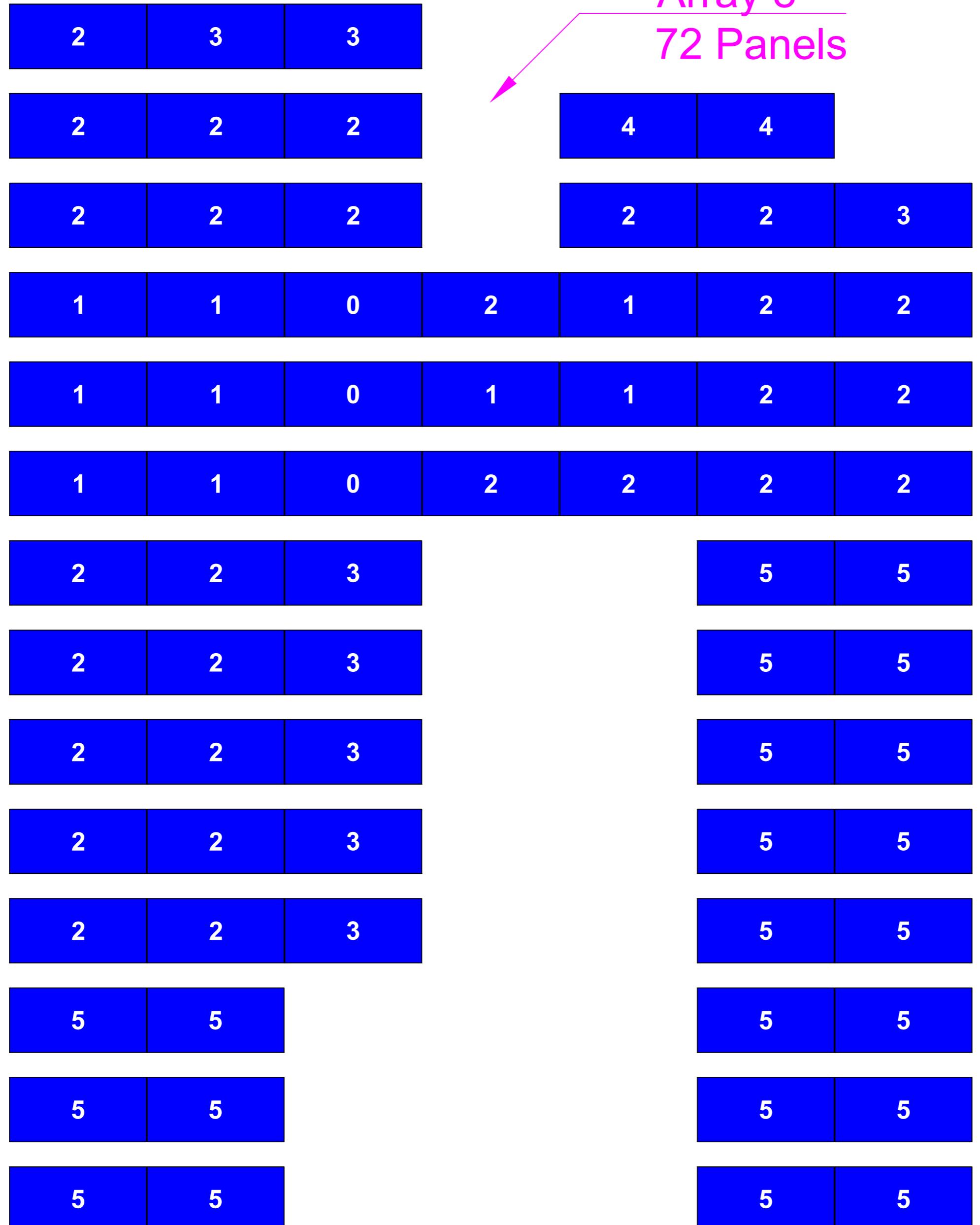
142 Panels

2	2	0	0	0	0	3	3	0	0	0	2	2
2	1	0	1	2	3		3	2	2	1	1	2
2	2	1	0	0	0	0	0	1	1	1	1	2
1	1	0	0	0	0	0	0	0	0	0	1	1
1	1	0	0	0	0	2	3			5	5	
1	1	0	0	0	0	2	3			5	5	
1	1	0	0	0	0	2	3			5	5	
1	1	0	0	0	0	0	0	3	3			
2	2	0	0	1	1		2	2	3			
2	2	1	0	1	1		1	1	0	3	3	
1	1	0	0	1	1		1	1	0	1	1	3
2	2	0	0	0	0	4	0	0	0	2	2	2

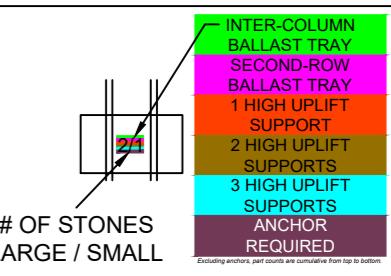


NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

Array 8 72 Panels



LEGEND



ENGINEER'S SEAL

PAVER ARRAY 8

DRAWING TITLE:

PROJECT:

CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
 TORONTO, ONTARIO M6K 0C7
 CANADA

TOLL - FREE TEL: 1.888.661.3204
 LOCAL TEL: 416 532 2500
 EMAIL: info@kbracking.com

WWW.KBRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

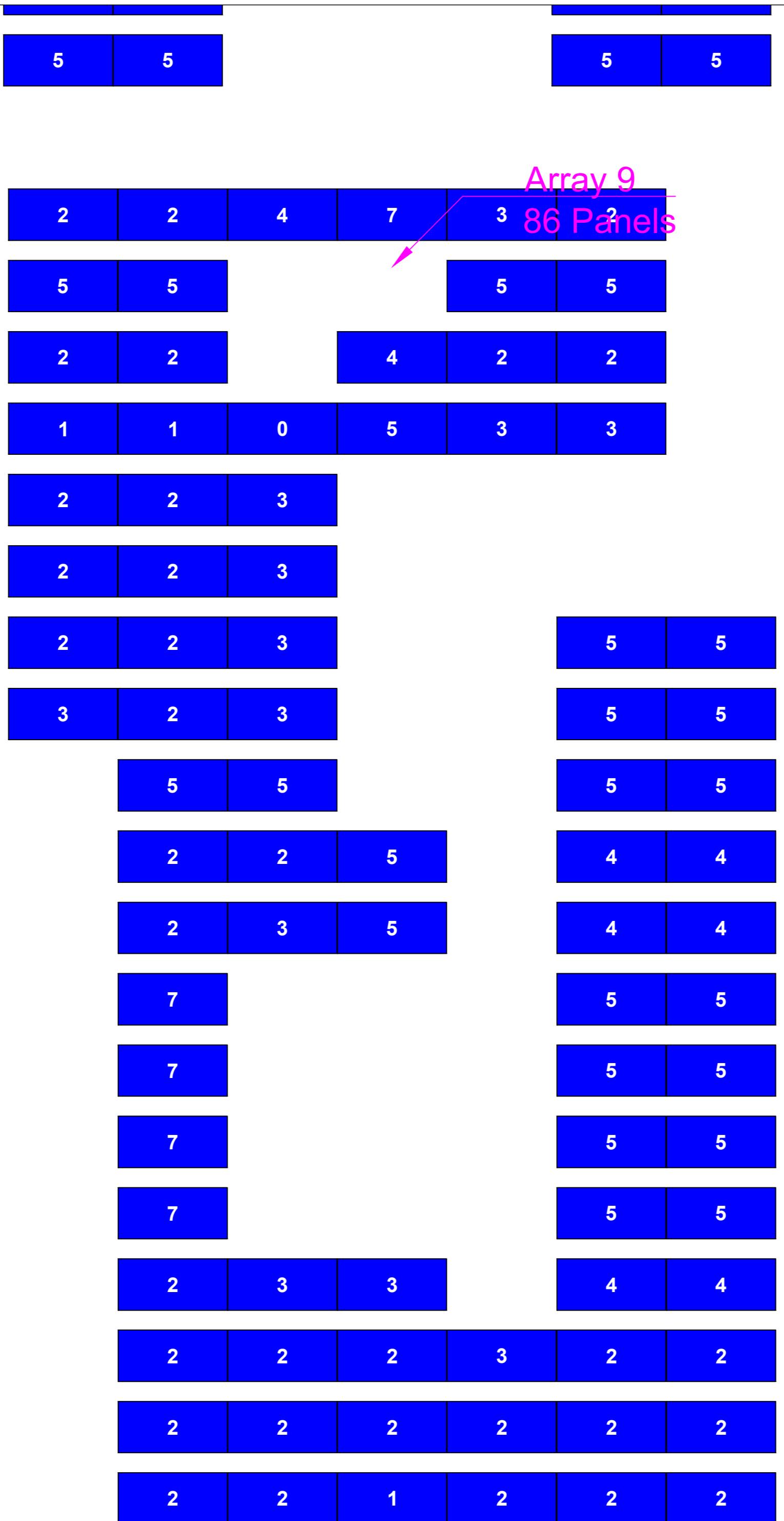
K.P. Z.U. 1

PROJECT NO.: - DRAWING NO.:

DATE: 2025/10/21 SHEET: 21 OF 31

M-4.8

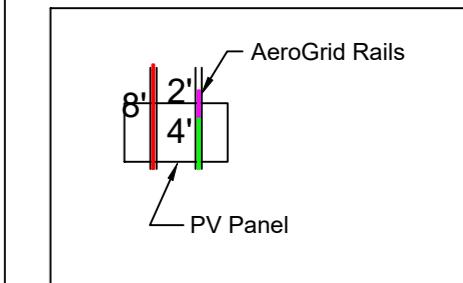
0	0	0	1	2
0	0	0	2	2
0	0	0	1	1
0	0	0	1	2
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
0	0	0	1	1
2	2	4	4	4
2	2	4	4	4
0	0	5	2	2
0	0	4	2	2



NOTE: 1400 Modules (Jinko 625W) DC Output: 875.00 kW (DC) AeroGrid L: 10 Degree Tilt Row Spacing: 1.56m Inter-Row Spacing: 0.44m Setback from edge: 1.22m		
LEGEND		
<p># OF STONES LARGE / SMALL</p> <p>INTER-COLUMN BALLAST TRAY SECOND-ROW BALLAST TRAY 1 HIGH UPLIFT SUPPORT 2 HIGH UPLIFT SUPPORTS 3 HIGH UPLIFT SUPPORTS ANCHOR # OF STONES LARGE / SMALL</p>		
ENGINEER'S SEAL		
PAVER ARRAY 9	1500 Rue Nobel 1500 Rue Nobel Boucherville, QC J4B 5H3	kWh Quebec Inc.
DRAWING TITLE:	PROJECT:	CLIENT:
PROVIDER:	<p>KB RACKING®</p> <p>1050 KING ST. W, SUITE 03A104 TORONTO, ONTARIO M6K 0C7 CANADA</p> <p>TOLL - FREE TEL: 1.888.661.3204 LOCAL TEL: 416.532.2500 EMAIL: info@kracking.com</p> <p>WWW.KRACKING.COM</p>	
DRAWN BY:	CHECKED BY:	VERSION:
K.P.	Z.U.	1
PROJECT NO.:	DRAWING NO.:	
-	M-4.9	
DATE:	2025/10/21	
SHEET:	22 OF 31	

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

RAIL ARRAY 1

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:

PROJECT:

CLIENT:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416.532.2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

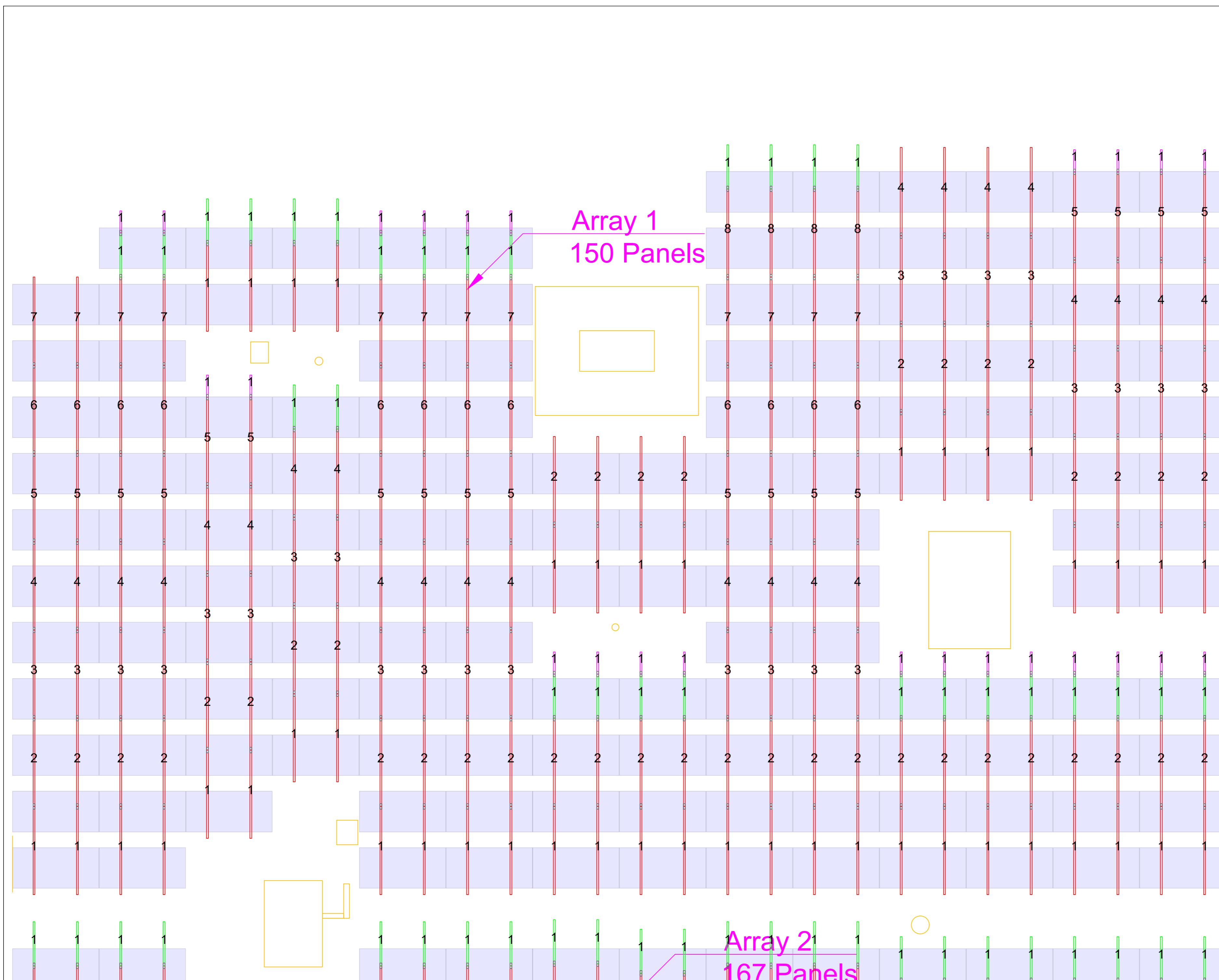
PROJECT NO.: DRAWING NO.:

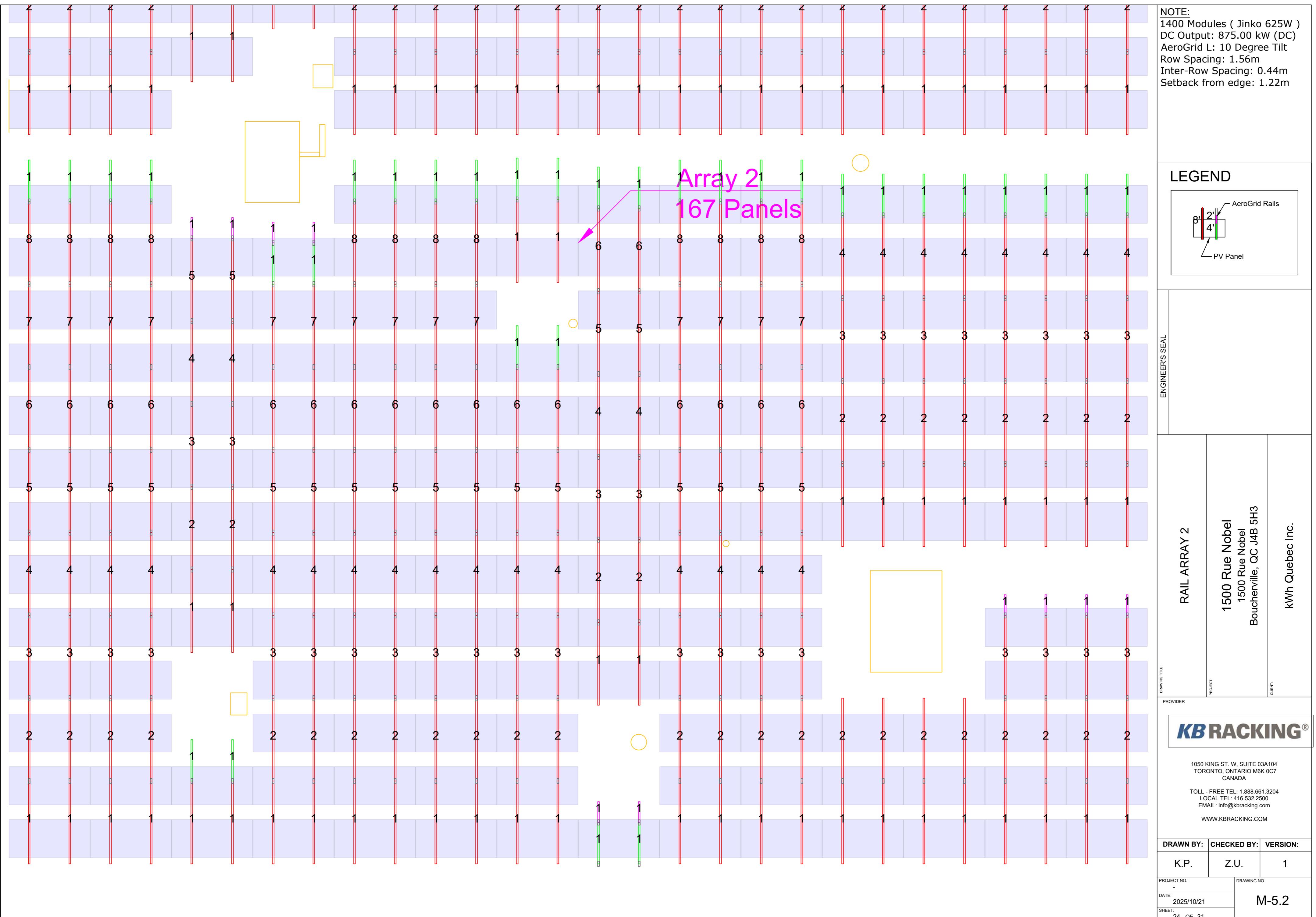
DATE: 2025/10/21 SHEET: M-5.1

SHEET: 23 OF 31

Array 1
150 Panels

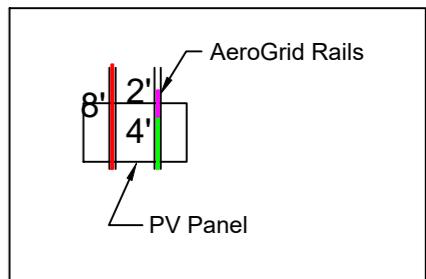
Array 2
167 Panels





NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

RAIL ARRAY 3

1500 Rue Nobel
 1500 Rue Nobel
 Boucherville, QC J4B 5H3

DRAWING TITLE:

PROJECT:

CUSTOMER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
 TORONTO, ONTARIO M6K 0C7
 CANADA

TOLL-FREE TEL: 1 888 661 3204
 LOCAL TEL: 416 532 2500
 EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

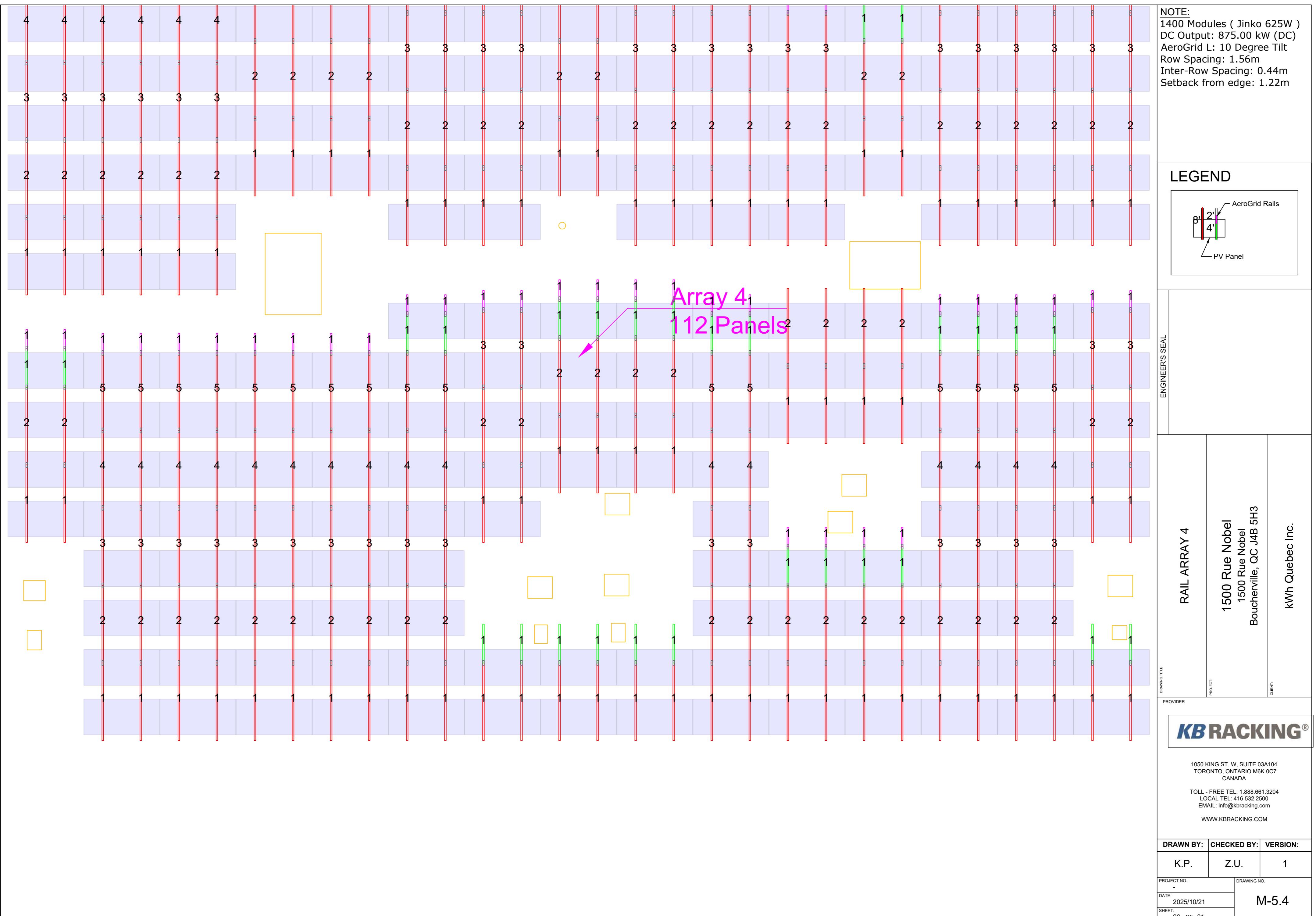
DATE: 2025/10/21 SHEET: M-5.3

SHEET: 25 OF 31

Array 3
 211 Panels

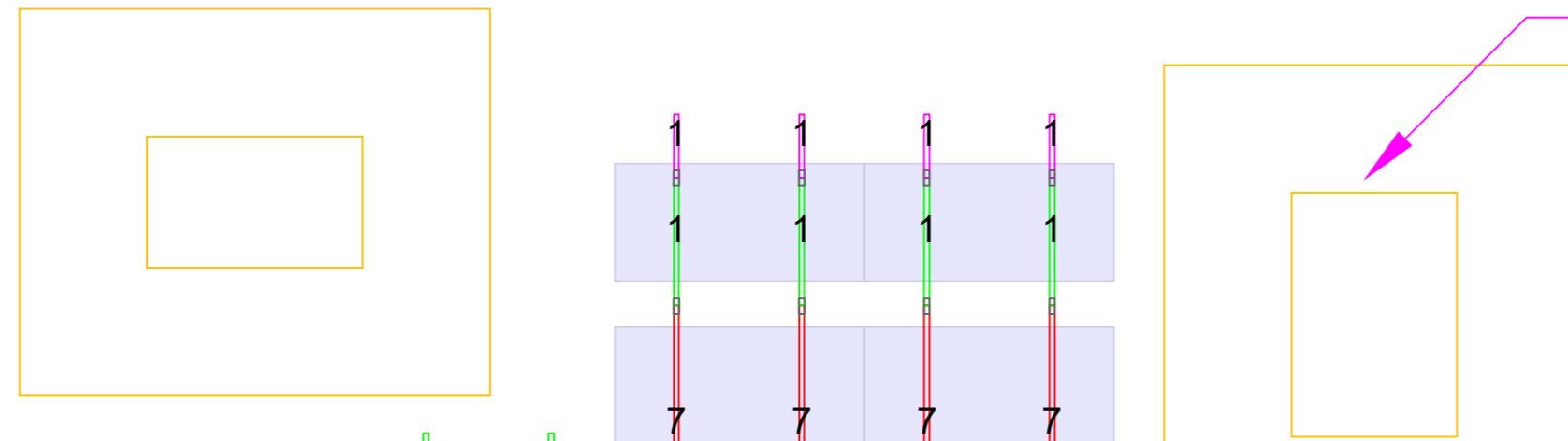
Array 4



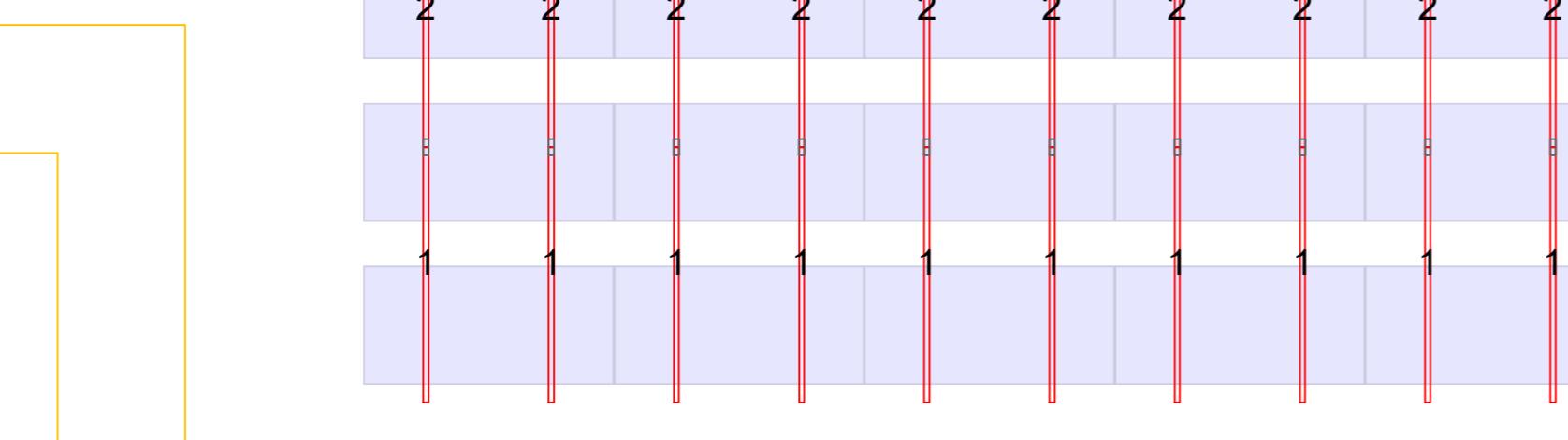


NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

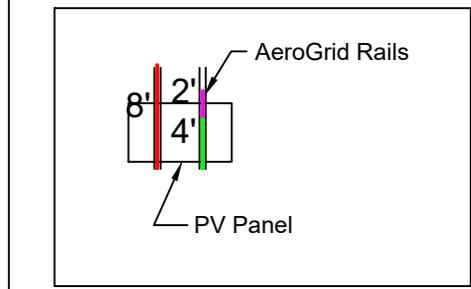
Array 5 145 Panels



Array 6 145 Panels



LEGEND



ENGINEER'S SEAL

RAIL ARRAY 5

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:

M-5.5

PROJECT:

client:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1-888-661-3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

-

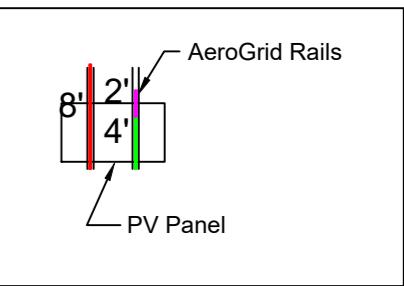
DATE: 2025/10/21

SHEET: 27 OF 31

M-5.5

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

RAIL ARRAY 6

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE: PROJECT: CLIENT: PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416.532.2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

K.P. Z.U. 1

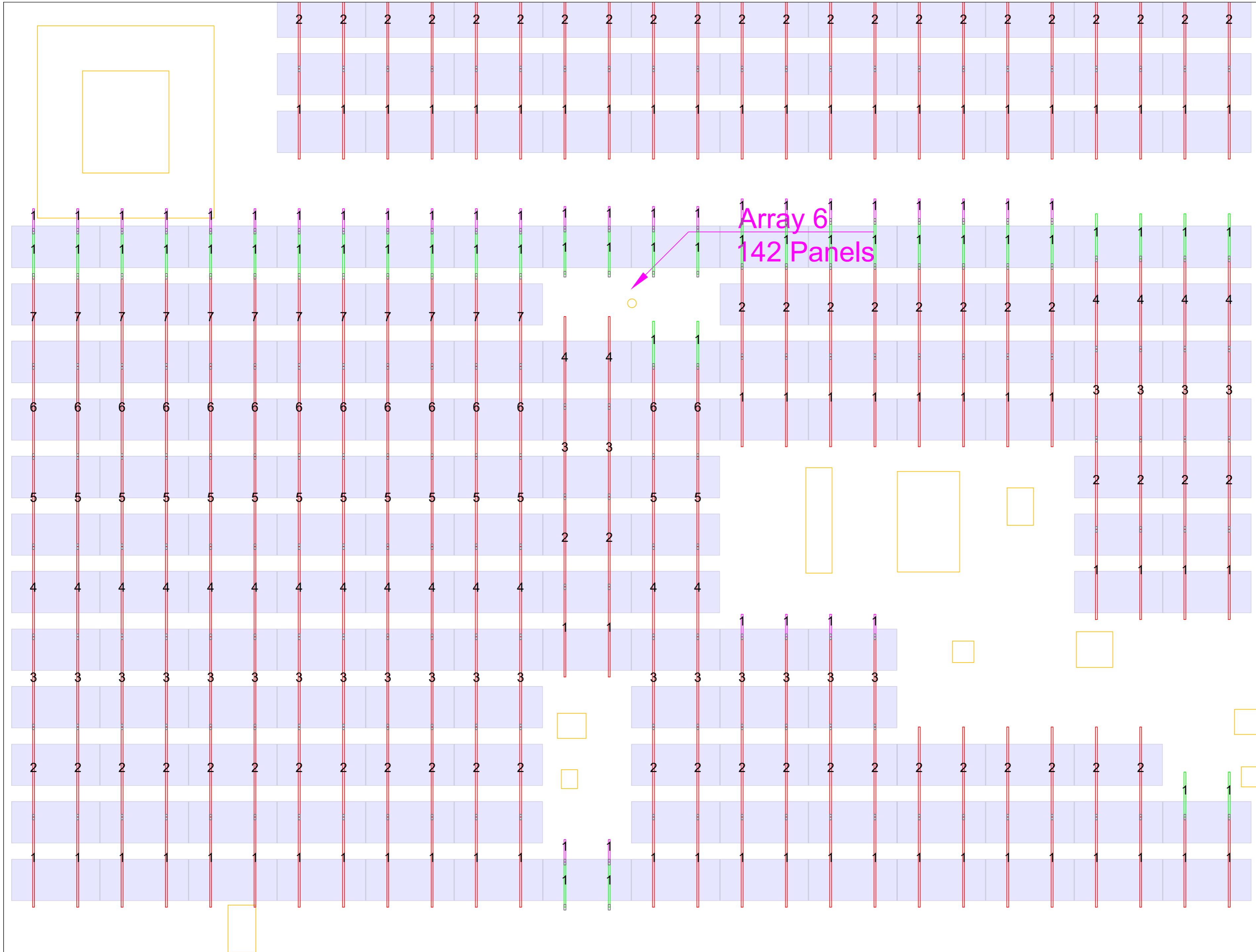
PROJECT NO.: DRAWING NO.:

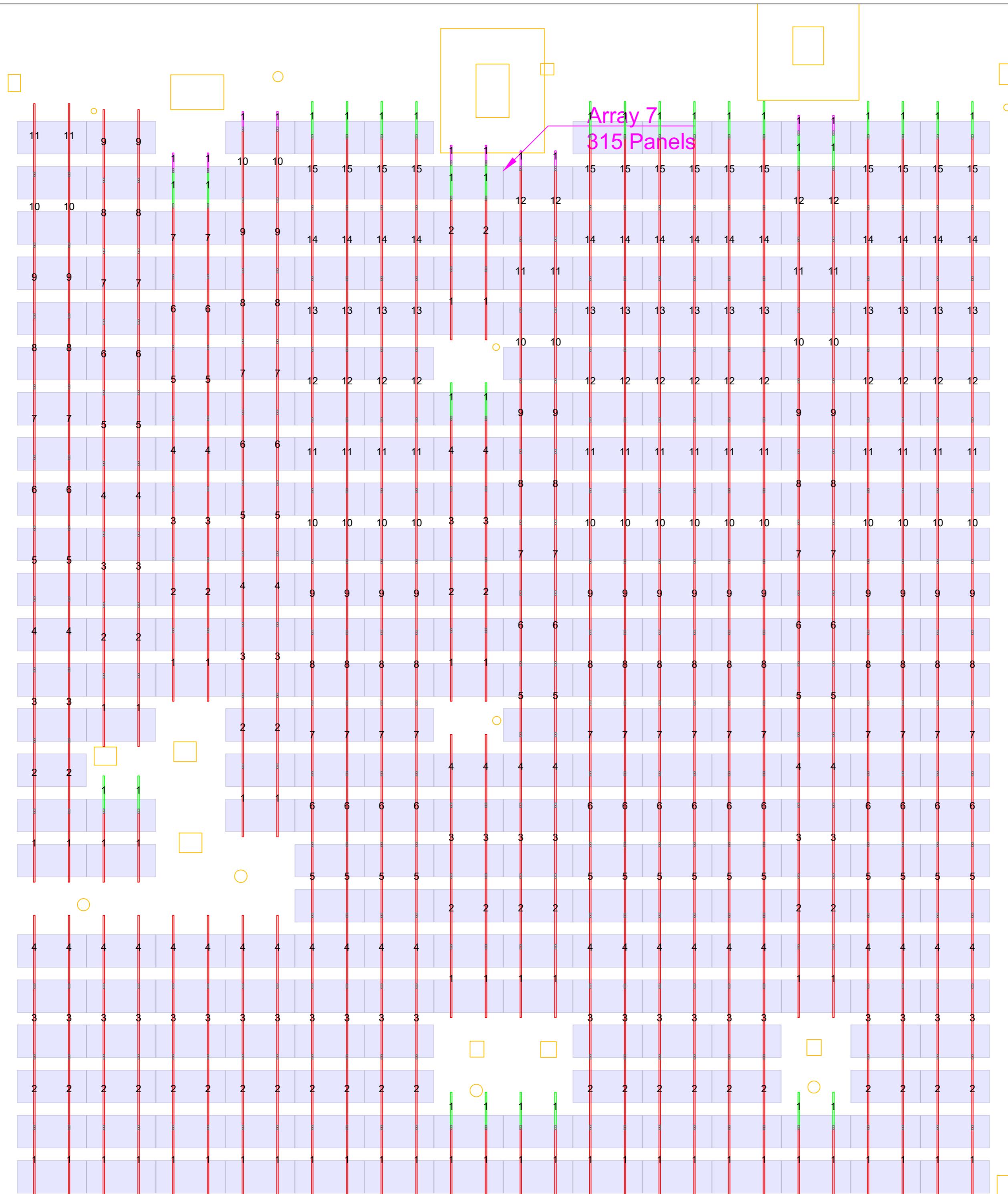
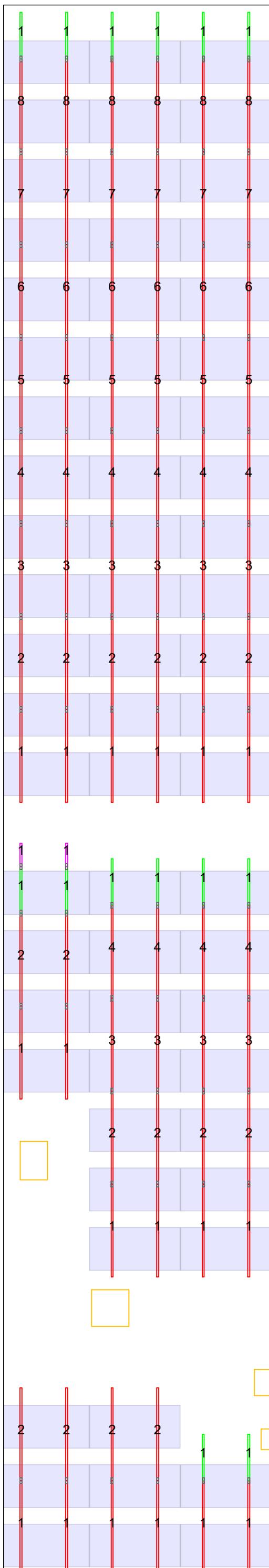
DATE: M-5.6

2025/10/21

SHEET: 28 OF 31

Array 6
142 Panels





NOTE:
1400 Modules (Jinko 625W)
DC Output: 875.00 kW (DC)
AeroGrid L: 10 Degree Tilt
Row Spacing: 1.56m
Inter-Row Spacing: 0.44m
Setback from edge: 1.22m

LEGEND

ENGINEER'S SEAL

RAIL ARRAY

kWh Quebec Inc.

PROJECT: 1500 Rue Nobel
CLIENT: Boucherville, QC J4B 5H3

PROVIDER: KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416.532.2500
EMAIL: info@kracking.com

WWW.KRACKING.COM

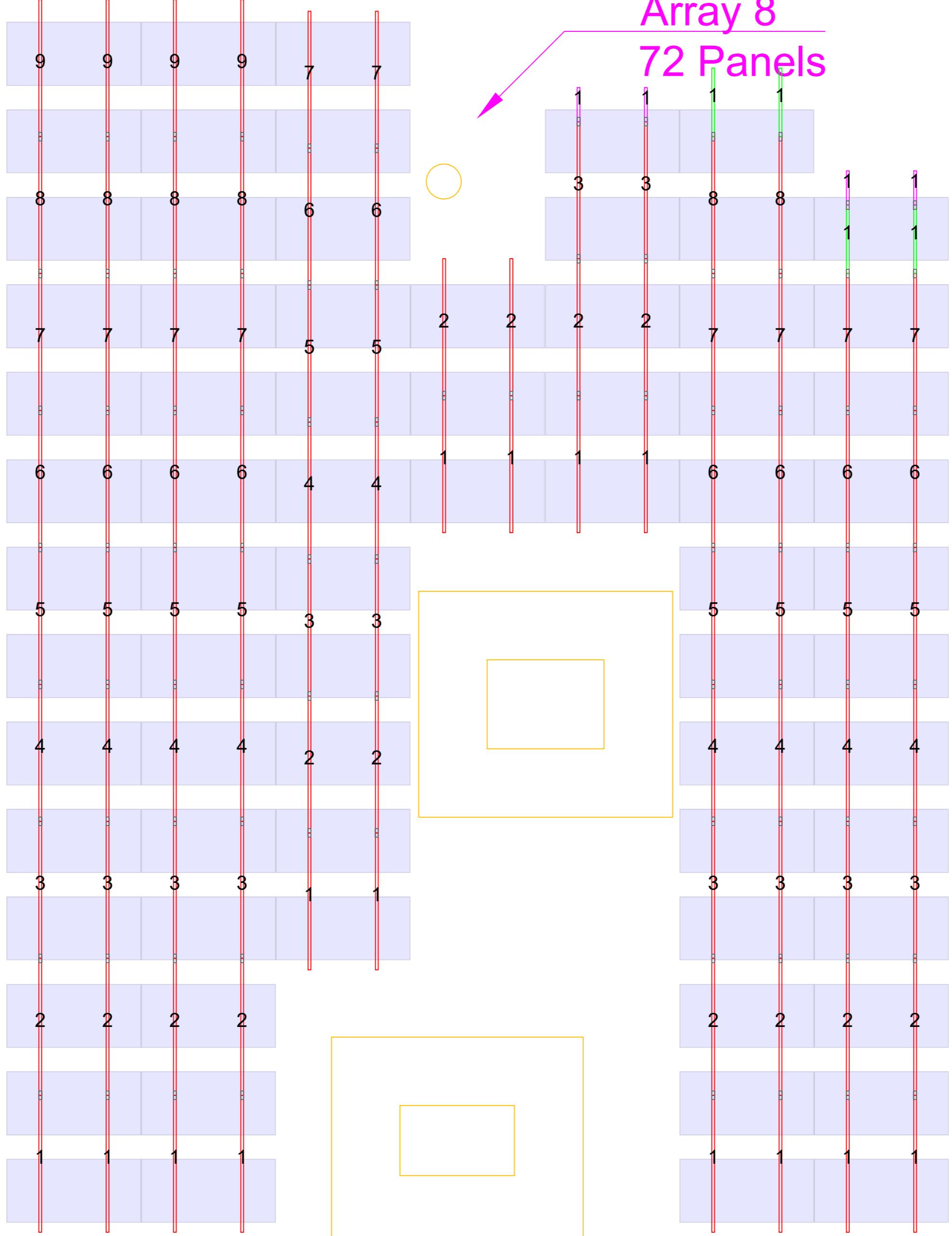
DRAWN BY:	CHECKED BY:	VERSION:
K.P.	Z.U.	1

PROJECT NO.:	DRAWING NO.:
-	M-5.7

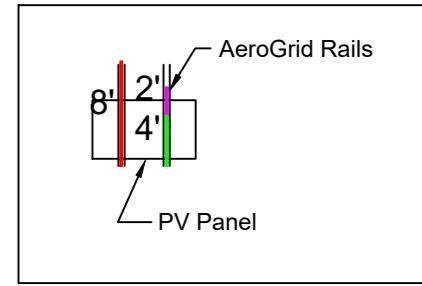
DATE:	2025/10/21
SHEET:	29 OF 31

NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

Array 8 72 Panels



LEGEND



ENGINEER'S SEAL

RAIL ARRAY 8

kWh Quebec Inc.
 1500 Rue Nobel
 1500 Rue Nobel
 Boucherville, QC J4B 5H3

DRAWING TITLE:

PROJECT:

CUSTOMER:

PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
 TORONTO, ONTARIO M6K 0C7
 CANADA

TOLL - FREE TEL: 1.888.661.3204
 LOCAL TEL: 416.532.2500
 EMAIL: info@kracking.com

WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:

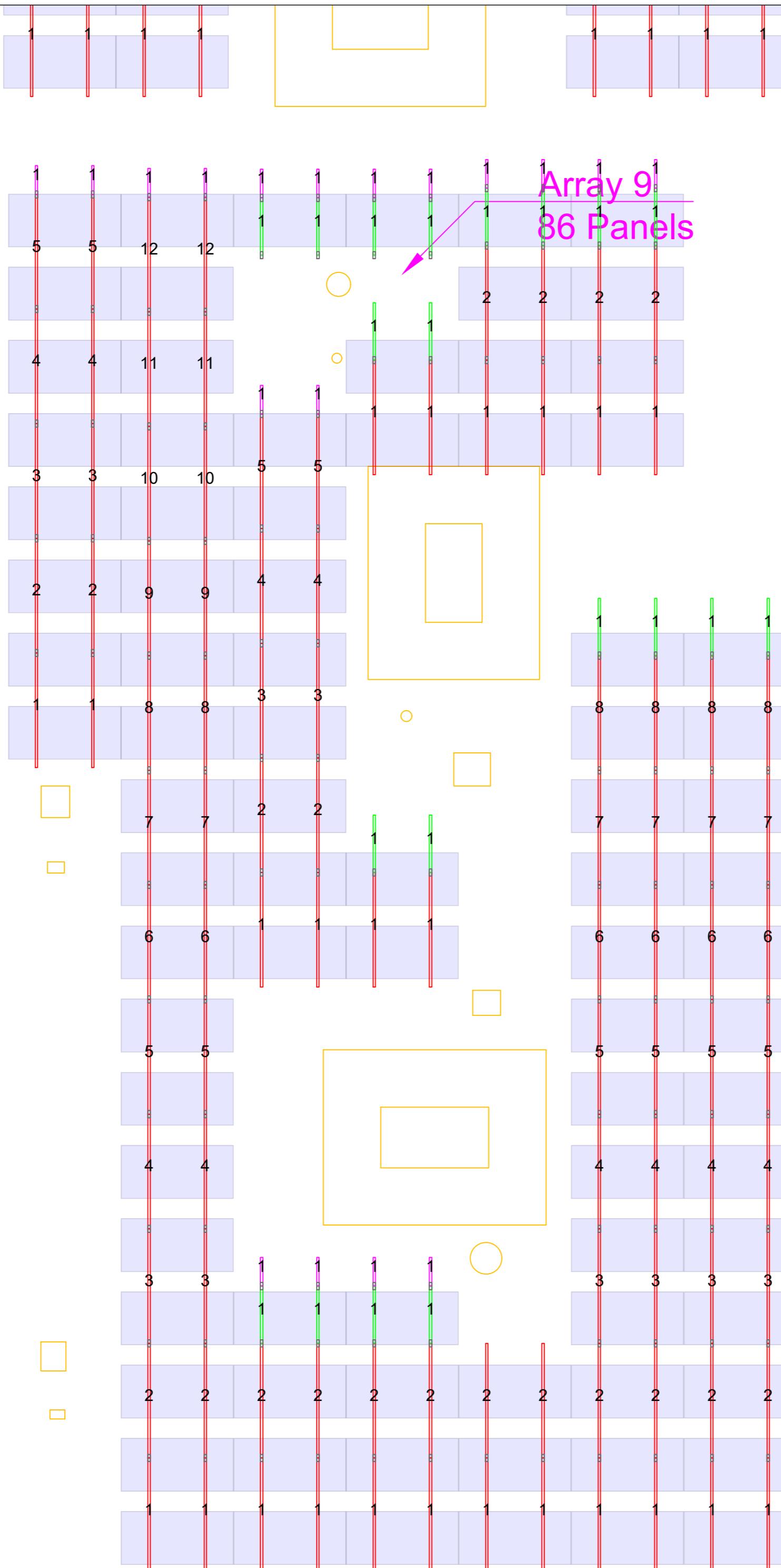
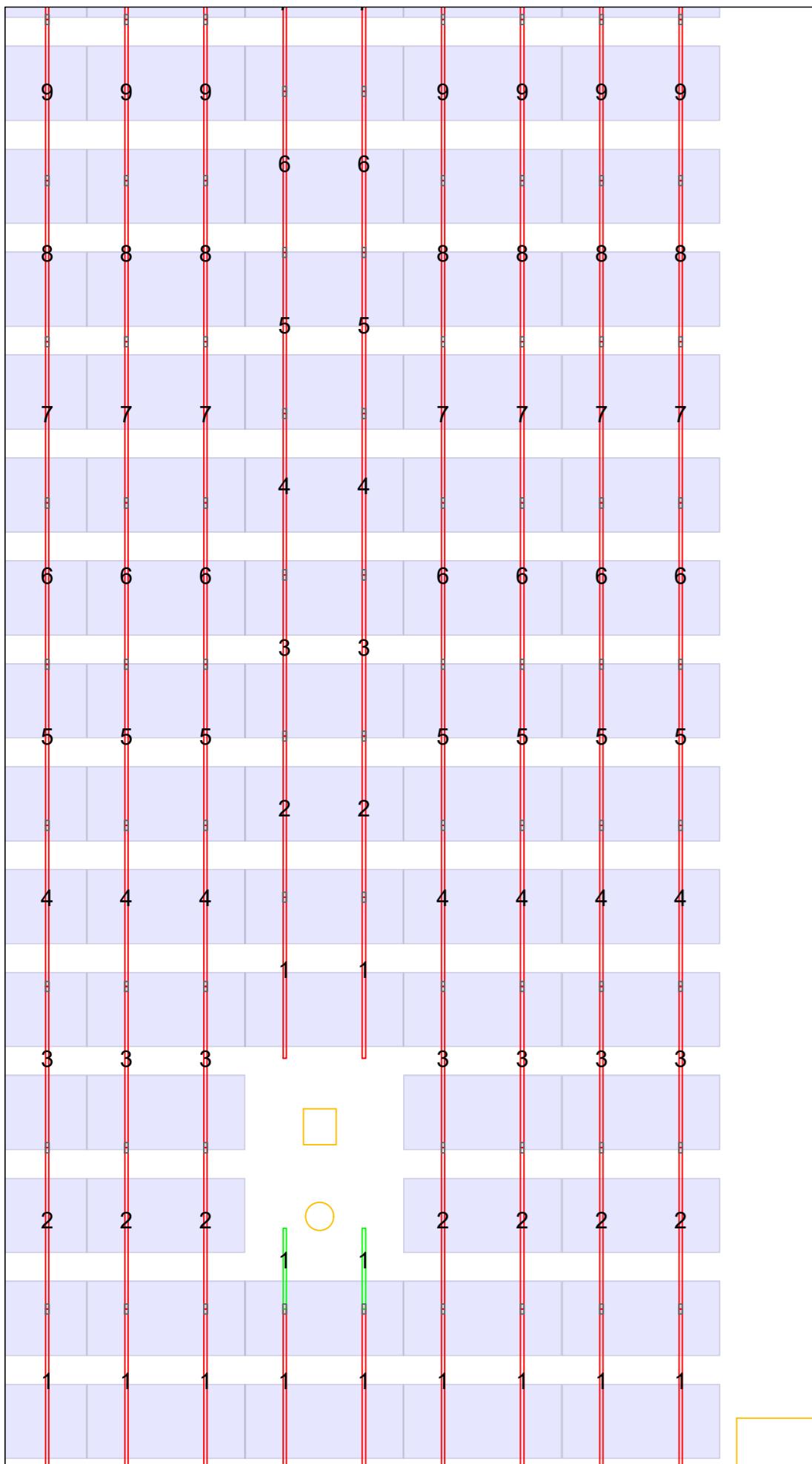
K.P. Z.U. 1

PROJECT NO.: DRAWING NO.:

DATE: 2025/10/21

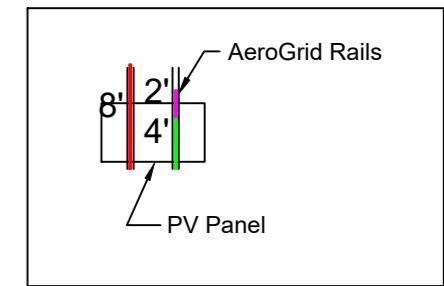
SHEET: 30 OF 31

M-5.8



NOTE:
 1400 Modules (Jinko 625W)
 DC Output: 875.00 kW (DC)
 AeroGrid L: 10 Degree Tilt
 Row Spacing: 1.56m
 Inter-Row Spacing: 0.44m
 Setback from edge: 1.22m

LEGEND



ENGINEER'S SEAL

RAIL ARRAY 9

1500 Rue Nobel
1500 Rue Nobel
Boucherville, QC J4B 5H3

kWh Quebec Inc.

DRAWING TITLE:
PROJECT:
CLIENT:
PROVIDER:

KB RACKING®

1050 KING ST. W, SUITE 03A104
TORONTO, ONTARIO M6K 0C7
CANADA

TOLL-FREE TEL: 1.888.661.3204
LOCAL TEL: 416 532 2500
EMAIL: info@kracking.com
WWW.KRACKING.COM

DRAWN BY: CHECKED BY: VERSION:
K.P. Z.U. 1

PROJECT NO.: -	DRAWING NO.: M-5.9
DATE: 2025/10/21	SHEET: 31 OF 31