

General Notes:
A. No changes to parking layout, vehicular or pedestrian circulation, off-street loading, etc.
B. No changes to the public streets or circulation.

Array Info - Module - BVM7612L-540-H					
Array Name	Tilt*	Azimuth	Module Count	Area	Size (kW)
CARPORT 1	5	270	84	2,394 SF	45.360
CARPORT 2	5	270	240	6,840 SF	129.600
CARPORT 3	5	180	184	5,244 SF	99.360
CARPORT 4	5	180	228	6,498 SF	123.120
CARPORT 5	5	180	240	6,840 SF	129.600
CARPORT 6	5	180	240	6,840 SF	129.600
CARPORT 7	5	180	180	5,130 SF	97.200
CARPORT 8	5	180	33	941 SF	17.820
CARPORT 9	1	180	693	19,751 SF	374.220
				2122	60,477 SF 1,145.880



Affordable Solar
4840 Pan American East Fwy NE,
Albuquerque, NM 87109
www.Affordable-Solar.com
(505) 244-1154

Confidentiality Statement:
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Affordable Solar
LIC # NM - 365954
(GB98/EE98/ES03)

X

Water Authority PV System

9521 RIO GRANDE BLVD NW
ALBUQUERQUE, NM 87114

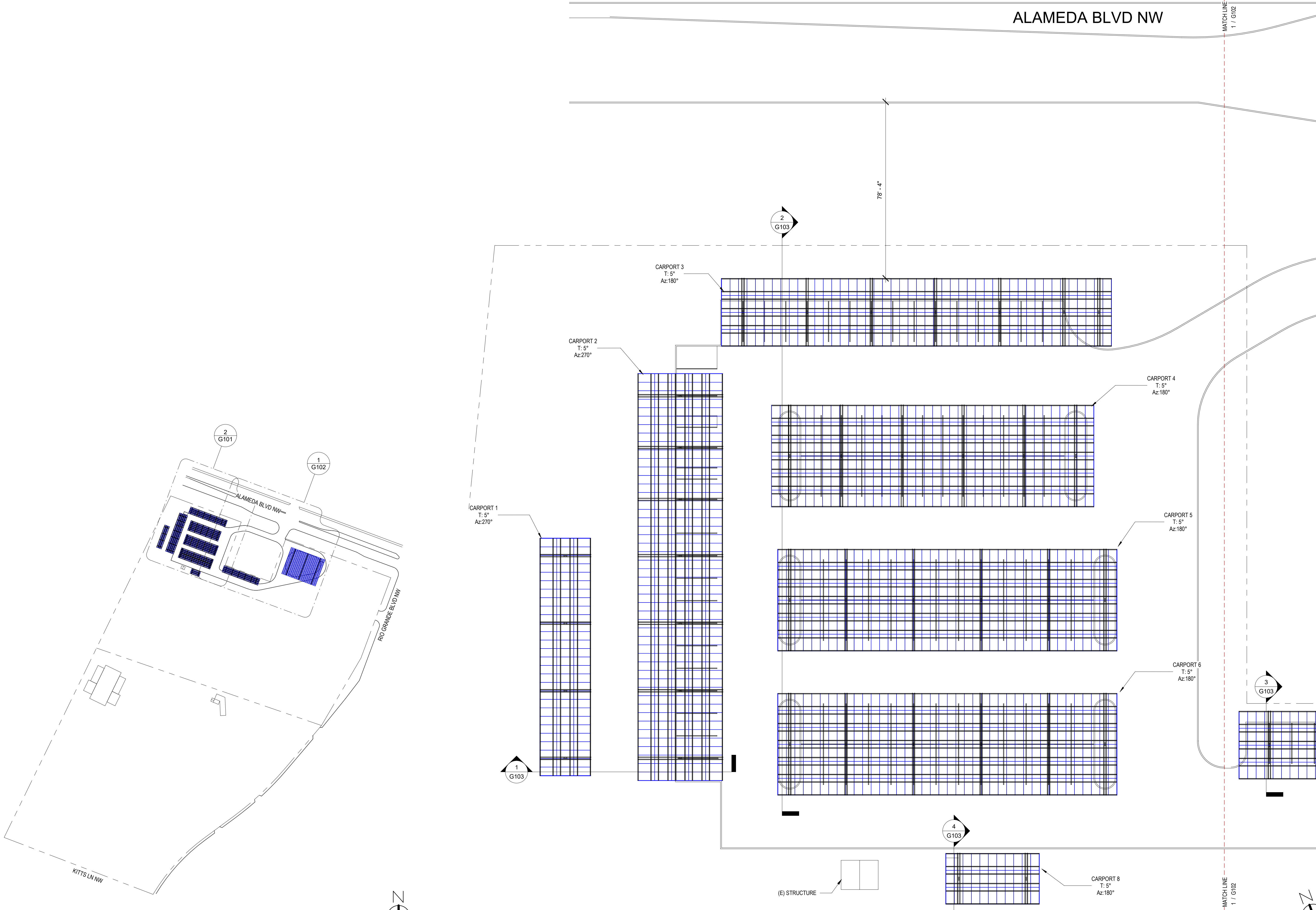
No.	Description	Date
1	EPC Planning Review	7/21/22

Affordable Solar

Site Plan

G101

7/21/2022 9:09:20 AM
To scale on 24x36 paper



General Notes:
A: No changes to parking layout, vehicular or pedestrian circulation, off-street loading, etc.
B: No changes to the public streets or circulation.

Array Info - Module - BVM7612L-540-H					
Array Name	Tilt*	Azimuth	Module Count	Area	Size (kW)
CARPOT 1	5	270	84	2,394 SF	45,360
CARPOT 2	5	270	240	6,840 SF	129,600
CARPOT 3	5	180	184	5,248 SF	99,360
CARPOT 4	5	180	228	6,498 SF	123,120
CARPOT 5	5	180	240	6,840 SF	129,600
CARPOT 6	5	180	240	6,840 SF	129,600
CARPOT 7	5	180	180	5,130 SF	97,200
CARPOT 8	5	180	33	941 SF	17,820
CARPOT 9	1	180	693	19,751 SF	374,220
			2122	60,477 SF	1,145,880



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Affordable Solar
LIC # NM - 365954
(GB98/EE98/ES03)

x _____

Water Authority PV System

9521 RIO GRANDE BLVD NW
ALBUQUERQUE, NM 87114

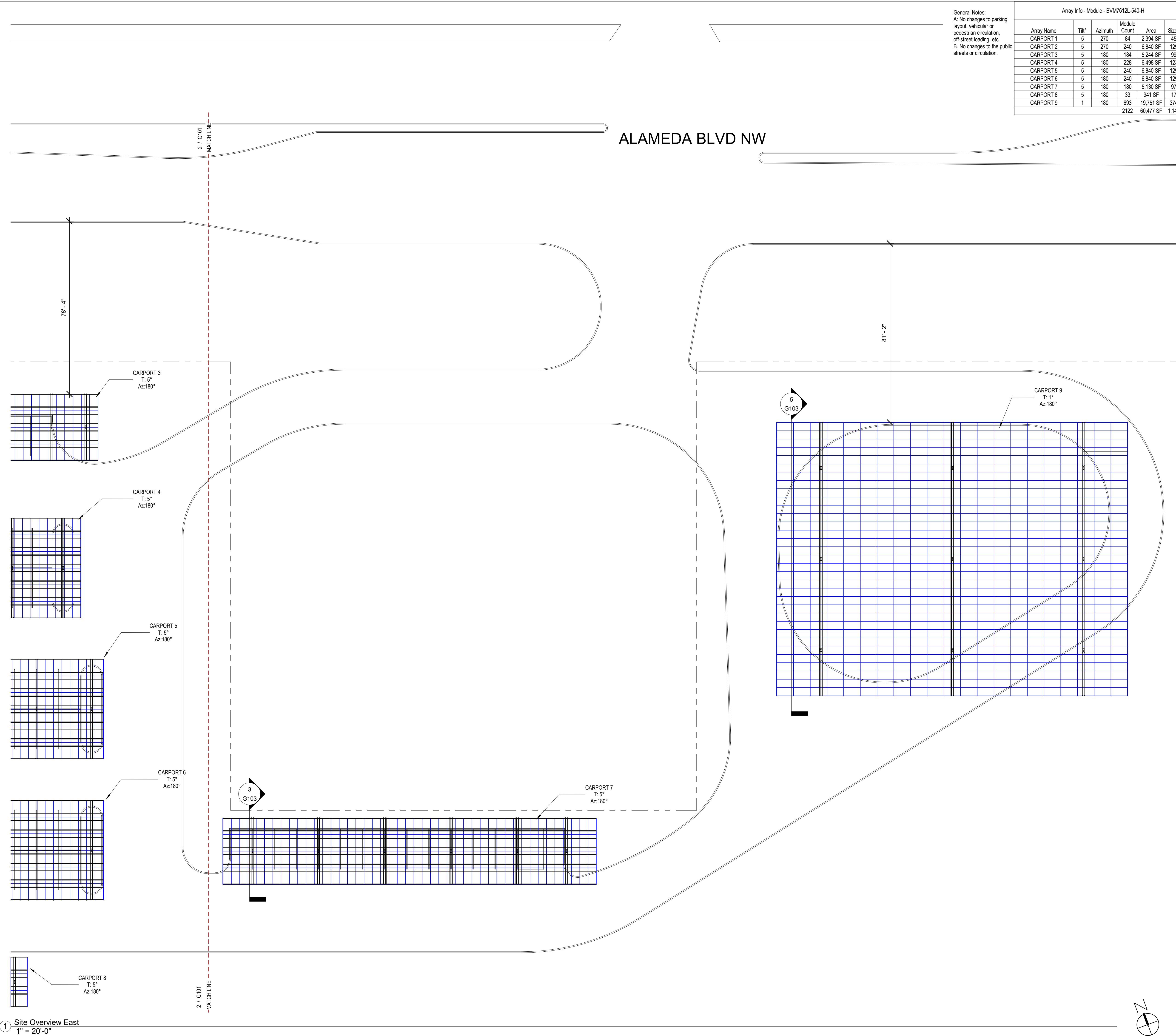
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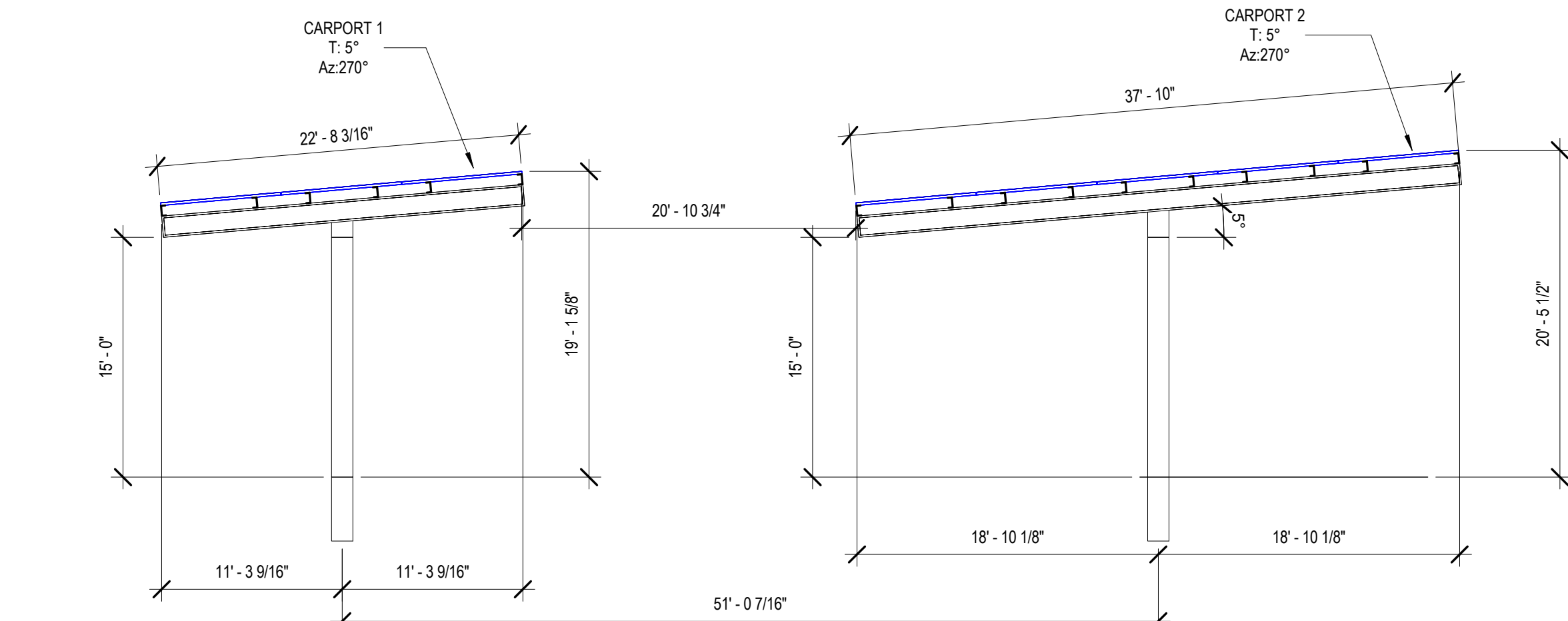
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Site Plan

G102

7/21/2022 9:09:21 AM
To scale on 24x36 paper



Array Info - Module - BVM7612I -540-H

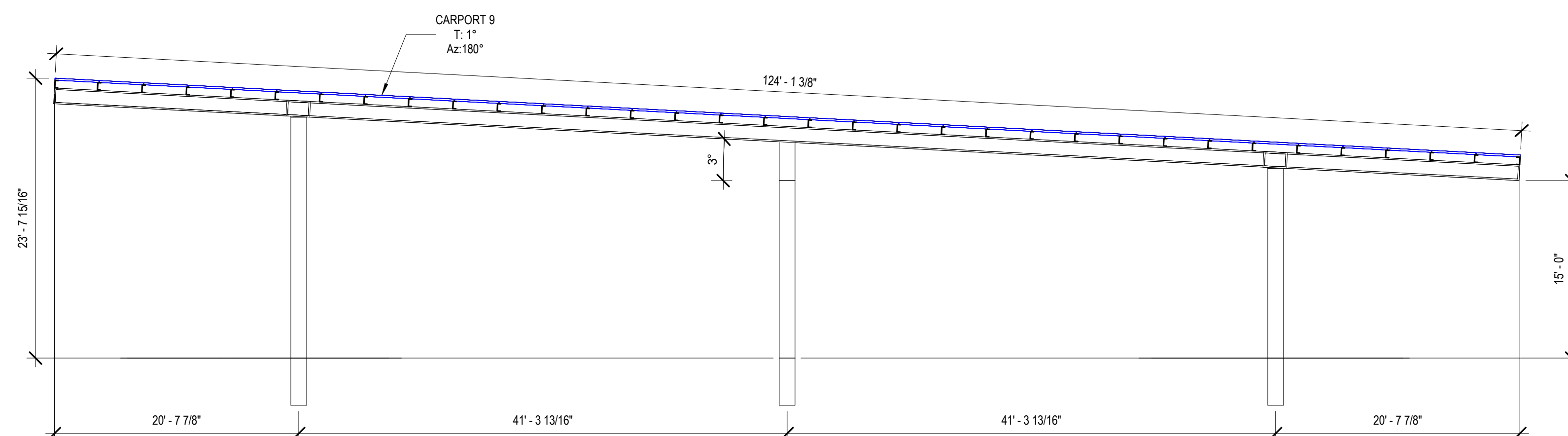
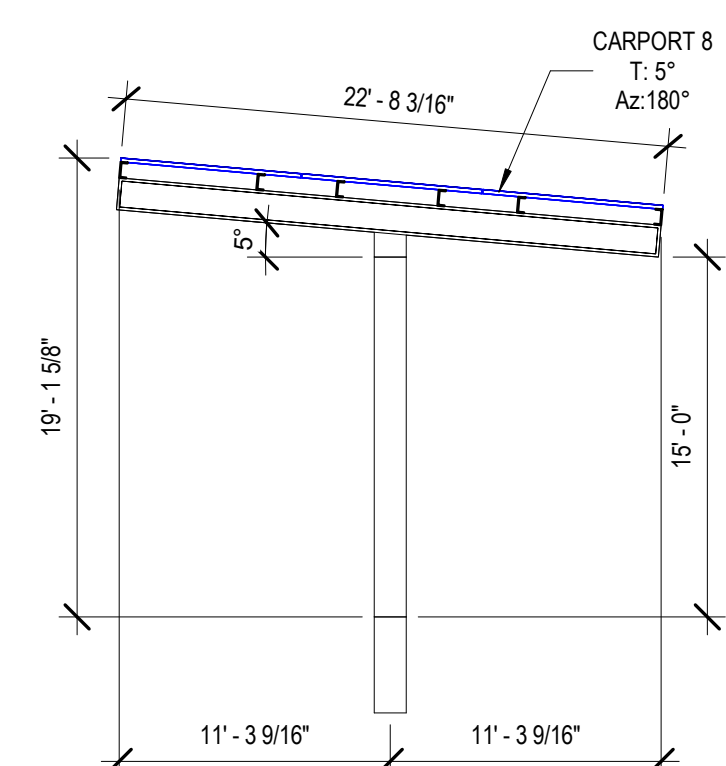
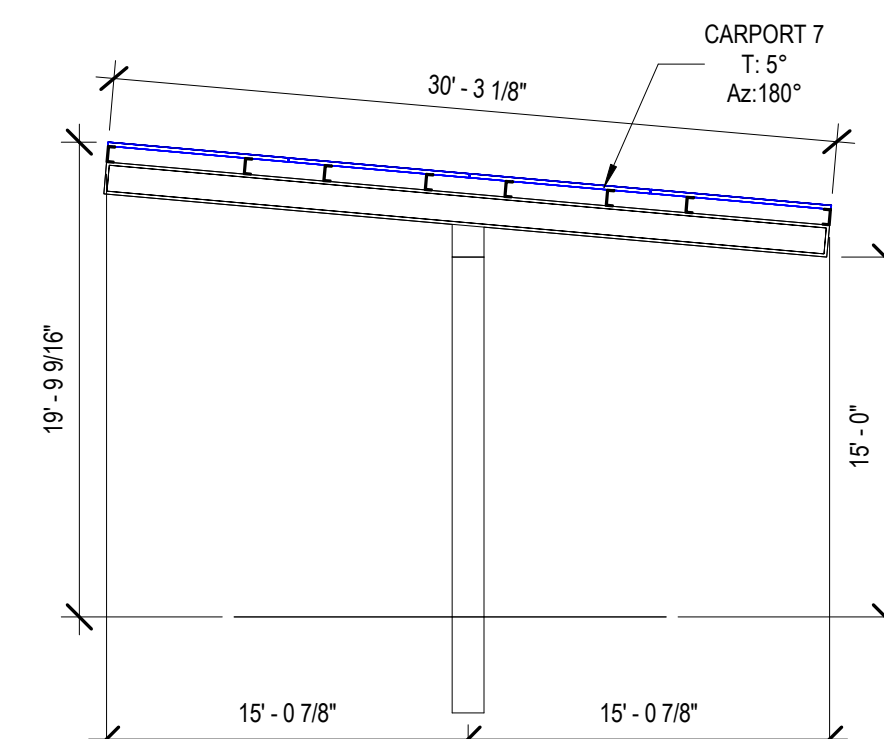
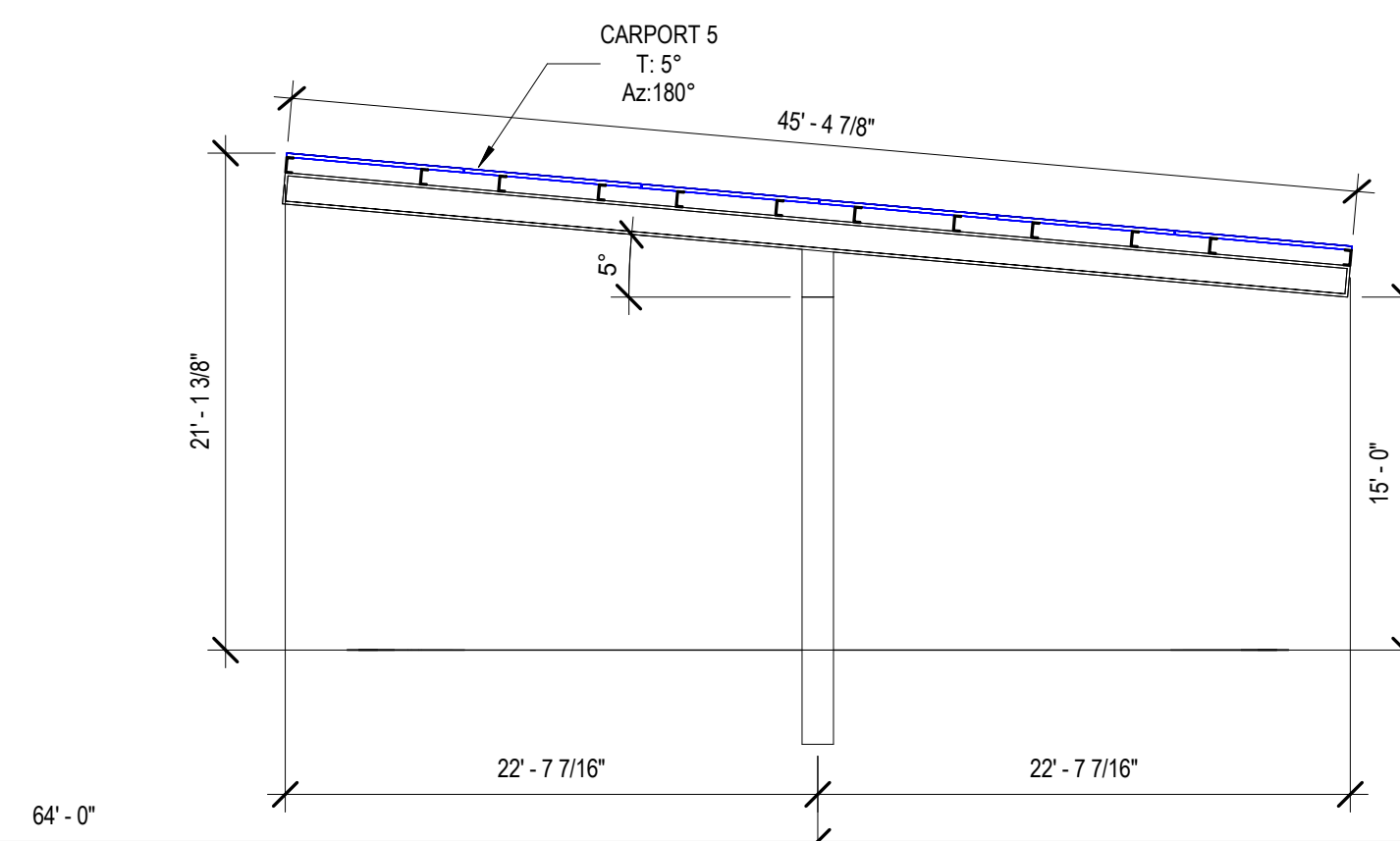
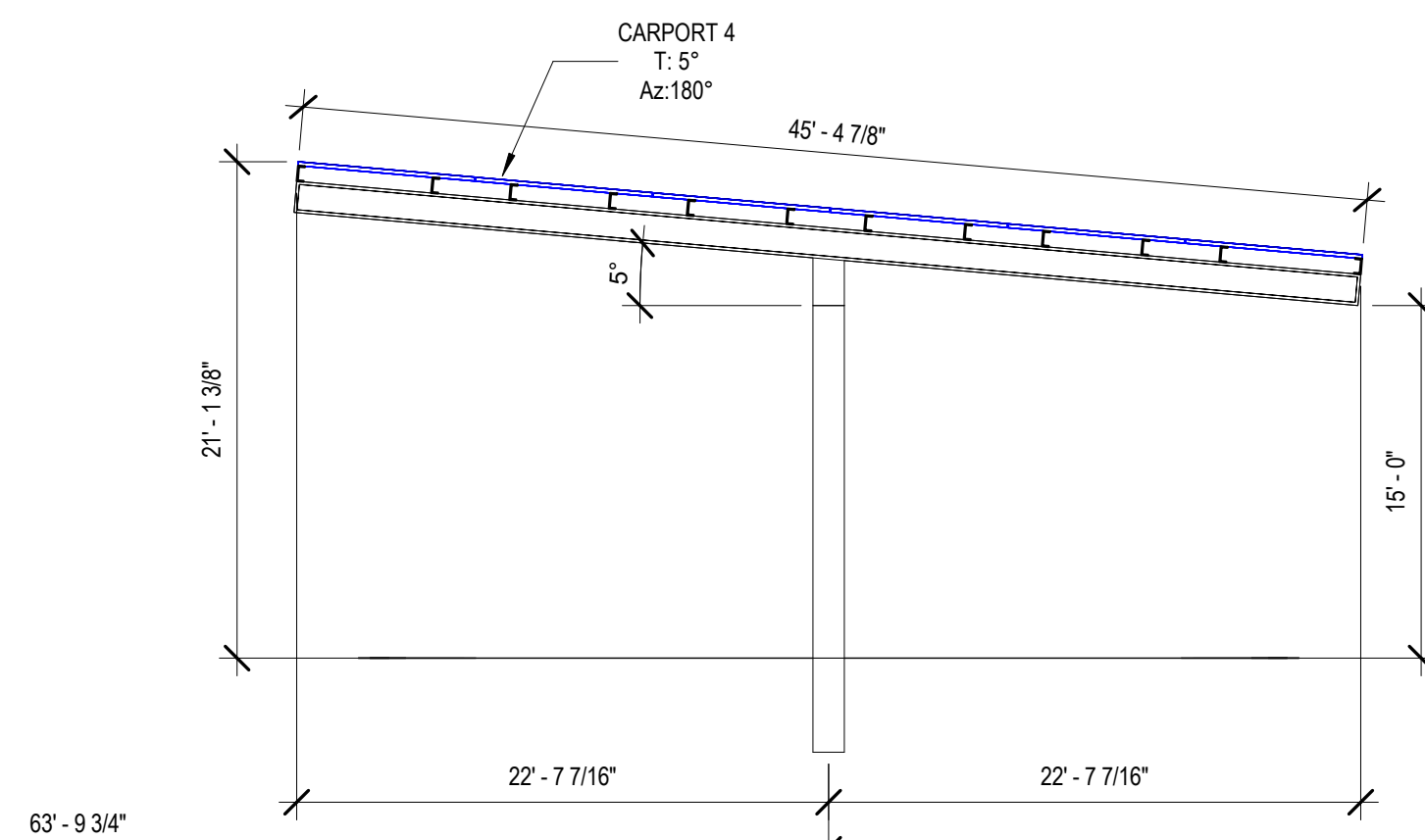
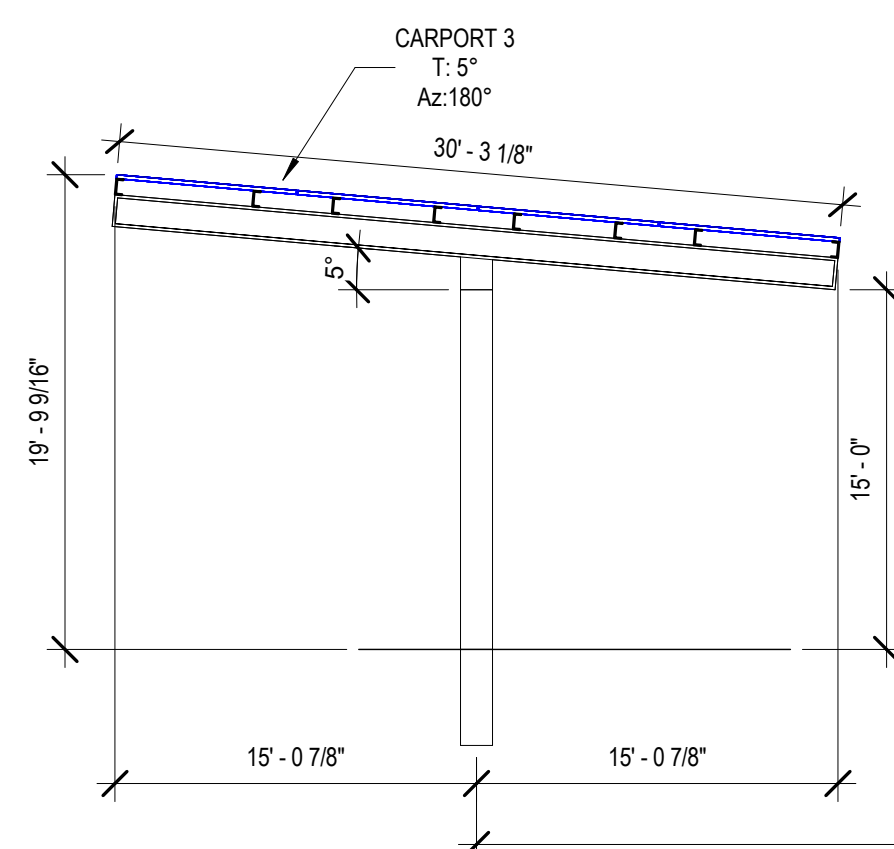
Array Name	Tilt*	Azimuth	Module Count	Area	Size (KW)
CARPOT 1	5	270	84	2,394 SF	45,360 W
CARPOT 2	5	270	240	6,840 SF	128,640 W
CARPOT 3	5	180	184	5,244 SF	99,360 W
CARPOT 4	5	180	228	6,498 SF	123,420 W
CARPOT 5	5	180	240	6,840 SF	129,600 W
CARPOT 6	5	180	240	6,840 SF	129,600 W
CARPOT 7	5	180	180	5,130 SF	97,200 W
CARPOT 8	5	180	33	941 SF	17,820 W
CARPOT 9	1	180	693	19,751 SF	374,220 W

374,220

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LIC # NM - 365954
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3



Water Authority PV System

9521 RIO GRANDE BLVD NW
ALBUQUERQUE, NM 87114

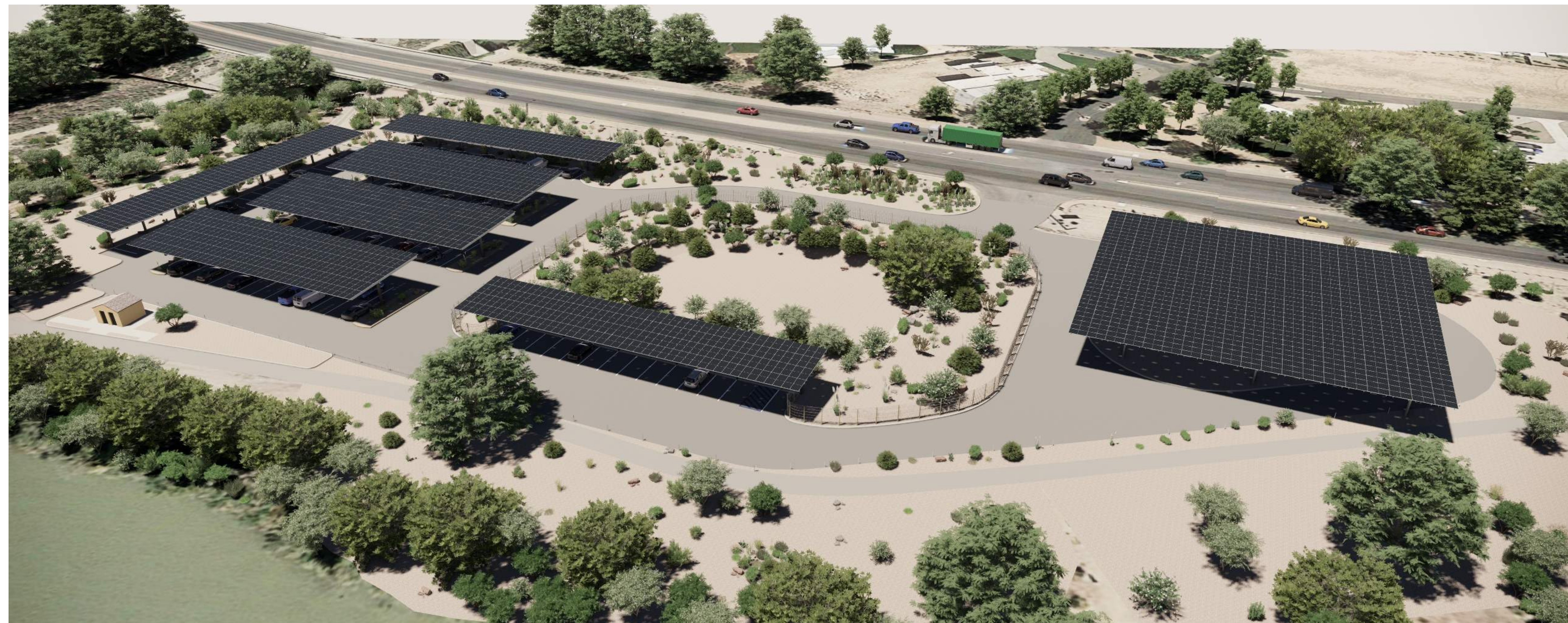
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Affordable Solar

Array Layouts

G103

7/21/2022 9:09:22 AM
To scale on 24x36 paper



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LIC # -
EXP: -

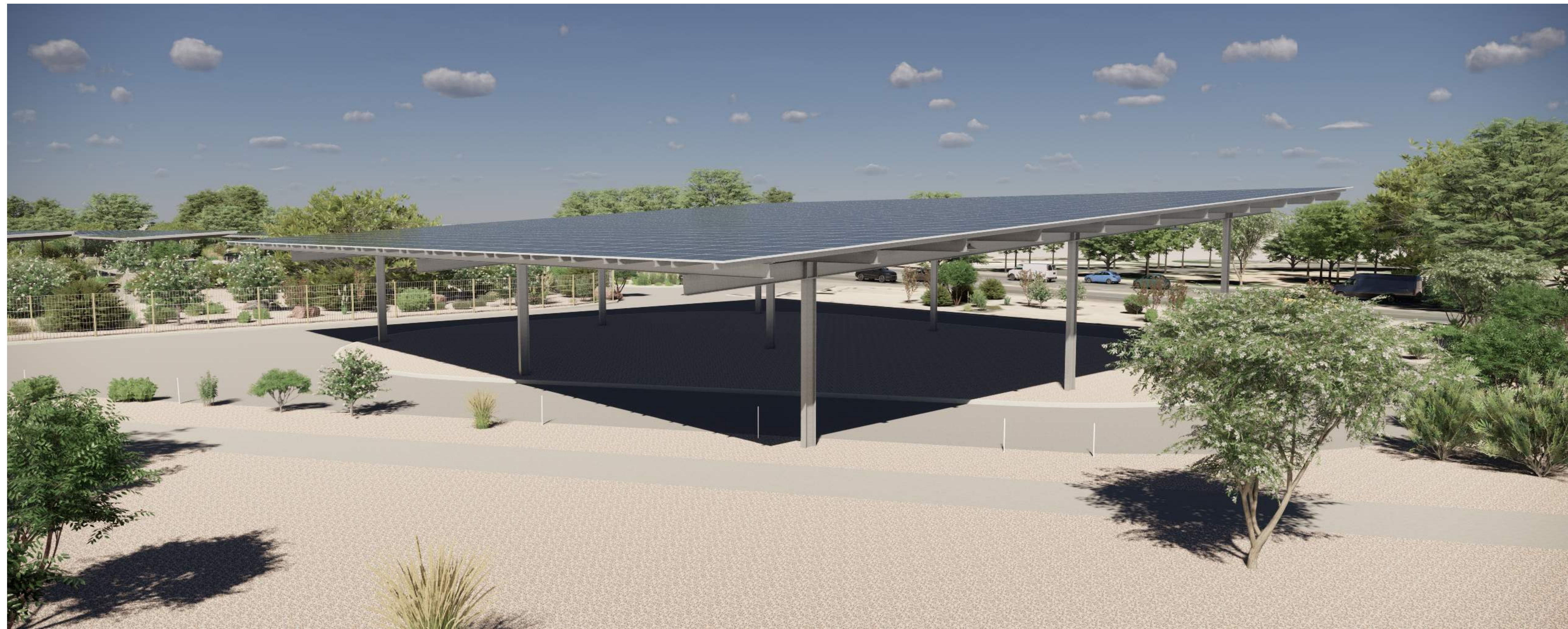
Water Authority PV System

9521 RIO GRANDE BLVD
NW ALBUQUERQUE NM
87114

Ray Renderings

G104

7/20/2022 12:42:21 AM
To scale on 24x36 paper



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LIC # -
EXP: -

EXP: -

3

Water Authority PV System

9521 RIO GRANDE BLVD
NW ALBUQUERQUE NM
87114

[illegible]

Array Renderings

G106

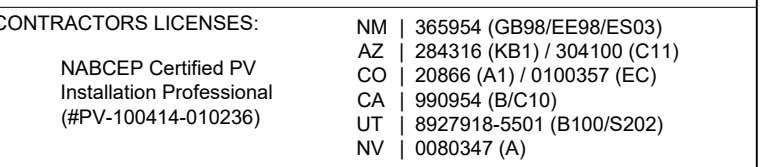
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To scale on 24x36 paper

ENGINEER:

CONCEPTUAL - NOT FOR CONSTRUCTION

PV MODULES:	
Manufacturer:	Boviet Solar
Model:	BVM7612L-540-H
Peak Power:	540 Wp (Ea)
Quantity:	2,122 Modules

INVERTER CONFIGURATION:	
Manufacturer:	Yaskawa/Solectria
Models:	36/50/60TL-US
Quantities:	(18) Inverters
Inv. Output Voltage:	480V (3Ø/3W)
Array Combiner:	Integrated/Fused
DC Disconnect	Integral/Lockable (Off)
AC Disconnect:	Integral/Lockable (Off)



FACILITY NAME/LOCATION: ABCWUA - OPEN SPACE PARKING CANOPIES
AT RAW WATER PUMP STATION



ENGINEER:

CONCEPTUAL - NOT FOR CONSTRUCTION

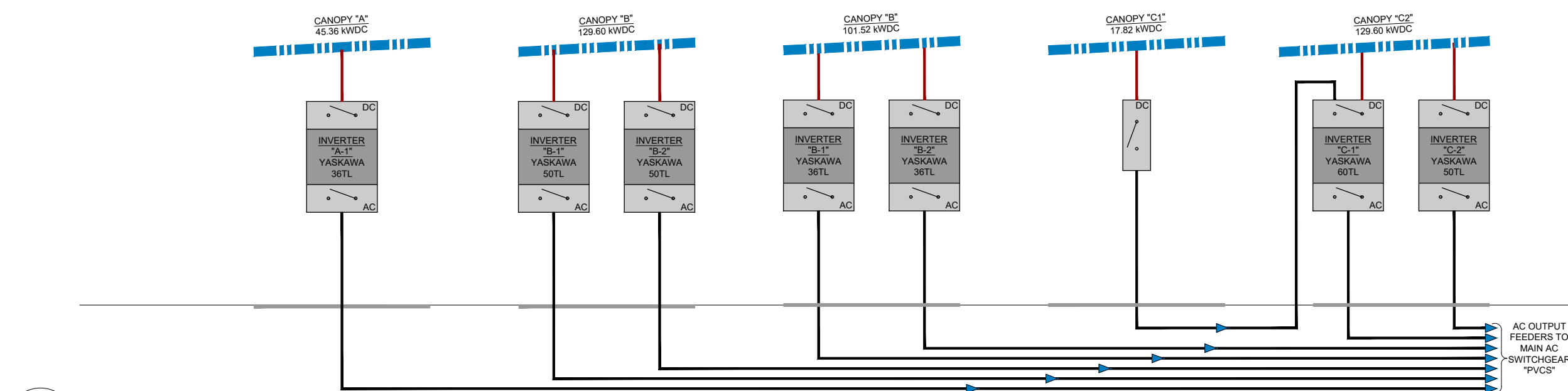
SYSTEM SUMMARY:

MAIN FEATURES:
Nominal AC Power: 890,000 kWac
Peak DC Power: 1,145,880 kWp
Module Technology: Mono-Crystalline
Inverter Topology: 3Ø String-UL1741

PV MODULES:
Manufacturer: Boviet Solar
Model: BVM7612L-540-H
Peak Power: 540 Wp (Ea)
Quantity: 2,122 Modules

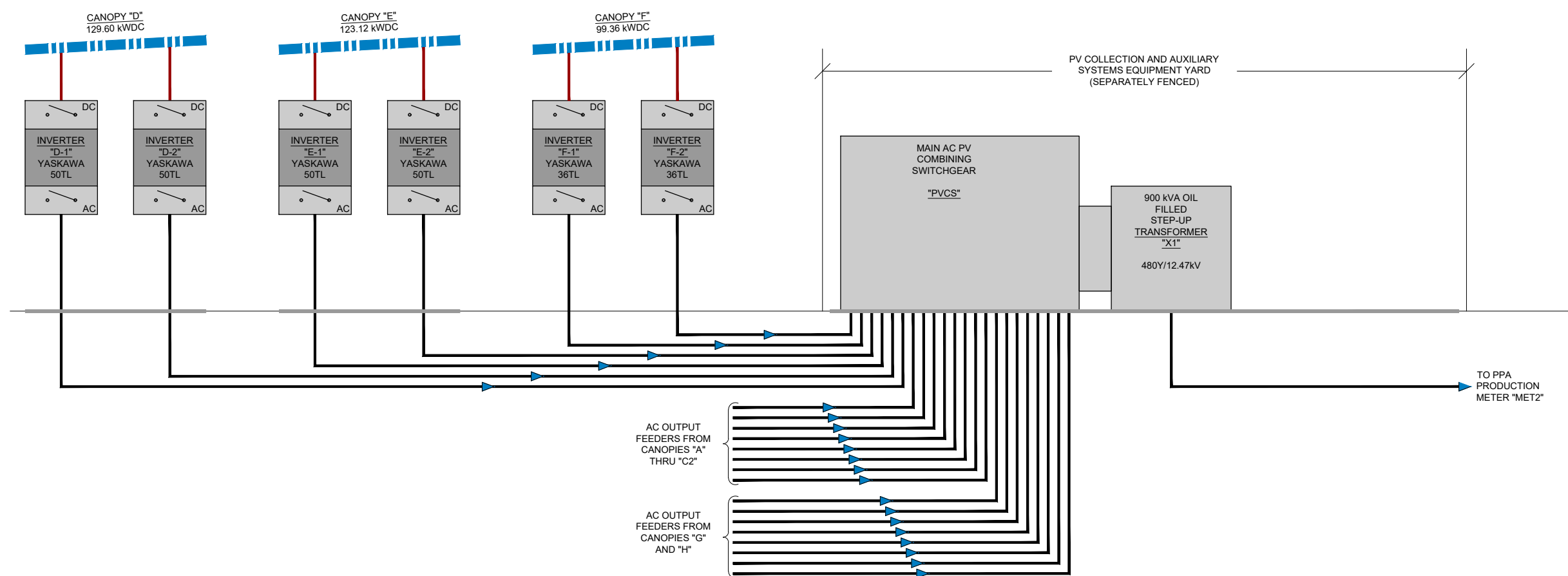
ELECTRICAL CONFIGURATION:
Modules per string: Varies (18 Nom.)
Max DC Voltage: 1000 V (UL)

INVERTER CONFIGURATION:
Manufacturer: Yaskawa/Solectria
Models: 36/50/60TL-US
Quantities: (18) Inverters
Inv. Output Voltage: 480V (3Ø/3W)
Array Combiner: Integrated/Fused
DC Disconnect: Integral/Lockable (Off)
AC Disconnect: Integral/Lockable (Off)



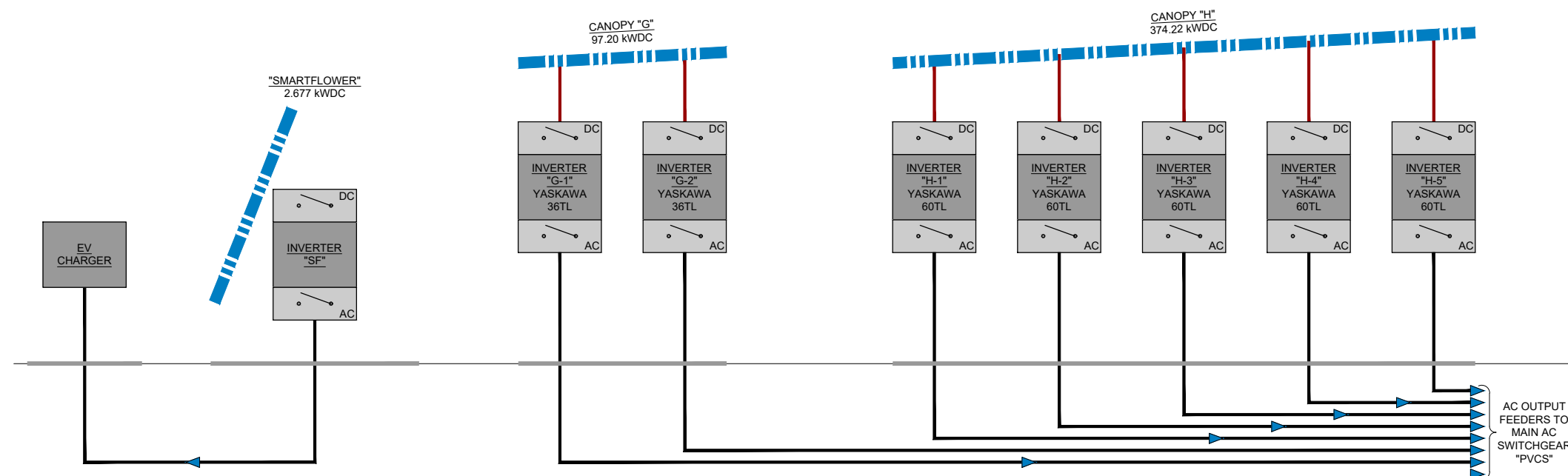
1.1 OPTION #1 - PARTIAL AC COLLECTION DIAGRAM

SCALE: NONE



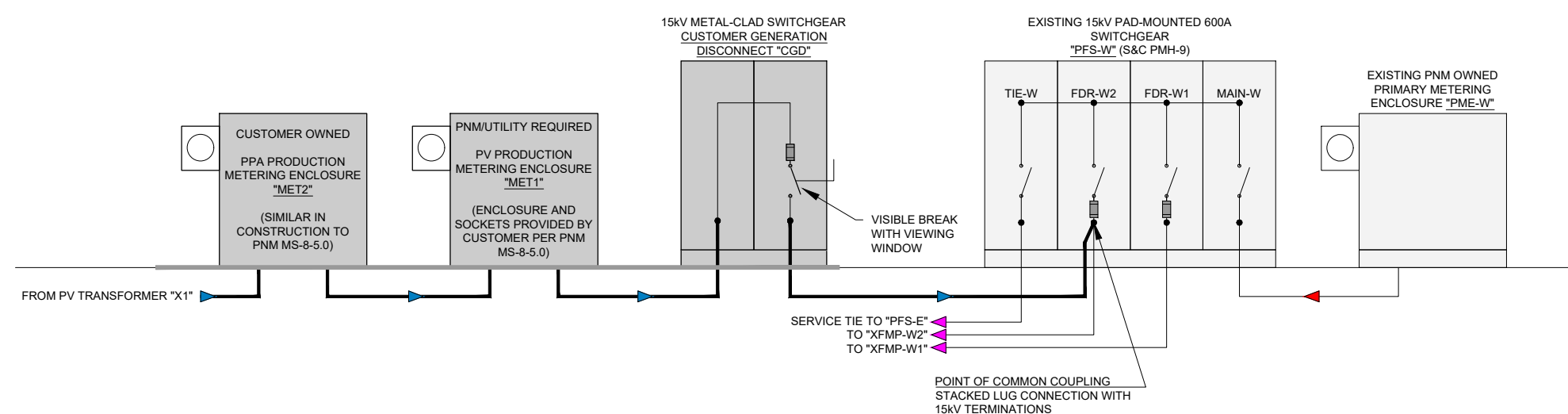
1.2 OPTION #1 - PARTIAL AC COLLECTION DIAGRAM

SCALE: NONE



1.3 OPTION #1 - PARTIAL AC COLLECTION DIAGRAM

SCALE: NONE



1.4 OPTION #1 - MV DISTRIBUTION AND INTERCONNECTION DIAGRAM

SCALE: NONE

1	07/12/22	PROPOSAL COMMENTS	DN	DC	WS
0	06/01/22	RFP RESPONSE	DN	DC	
REV	DATE	DESCRIPTION	BY	CHK	APR

REVISIONS