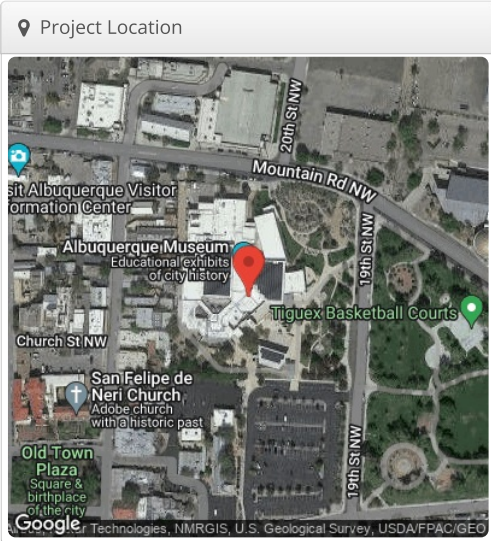


Design 3-5 degree tilt 11" intra row spacing (For Construction) Museum of Albuquerque (COA#2), 2000 Mountain Rd. NW, Albuquerque, NM 87104

Design	
Design	Design 3-5 degree tilt 11" intra row spacing (For Construction)
DC Nameplate	246.3 kW
AC Nameplate	220.0 kW (1.12 DC/AC)
Last Modified	Benjamin Rodefer (09/13/2018)



Components		
Component	Name	Count
Inverters	PVI 20TL-480 (Solectria)	1 (20.0 kW)
Inverters	PVI 50TL (Solectria)	4 (200.0 kW)
AC Home Runs	1/0 AWG (Aluminum)	1 (236.2 ft)
AC Home Runs	600 MCM (Aluminum)	2 (2,113.6 ft)
AC Home Runs	750 MCM (Aluminum)	2 (2,879.2 ft)
Strings	10 AWG (Copper)	43 (5,808.1 ft)
Module	Seraphim Energy Group, Inc., SEG-6MA-345WW (345W)	714 (246.3 kW)

Field Segments									
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Landscape (Horizontal)	5°	182.428°	0.9 ft	1x1	341	341	117.6 kW
Field Segment 2	Fixed Tilt	Landscape (Horizontal)	5°	182.428°	0.9 ft	1x1	255	255	88.0 kW
Field Segment 3	Fixed Tilt	Landscape (Horizontal)	5°	182.428°	0.9 ft	1x1	24	24	8.28 kW
Field Segment 4	Fixed Tilt	Landscape (Horizontal)	5°	174.347°	0.9 ft	1x1	44	44	15.2 kW
Field Segment 5	Fixed Tilt	Landscape (Horizontal)	5°	182.272°	0.9 ft	1x1	44	44	15.2 kW
Field Segment 6	Fixed Tilt	Landscape (Horizontal)	5°	182.272°	0.9 ft	1x1	6	6	2.07 kW

Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	15-19	Along Racking
Wiring Zone 2	-	15-19	Along Racking
Wiring Zone 4	-	9-11	Along Racking

Detailed Layout

