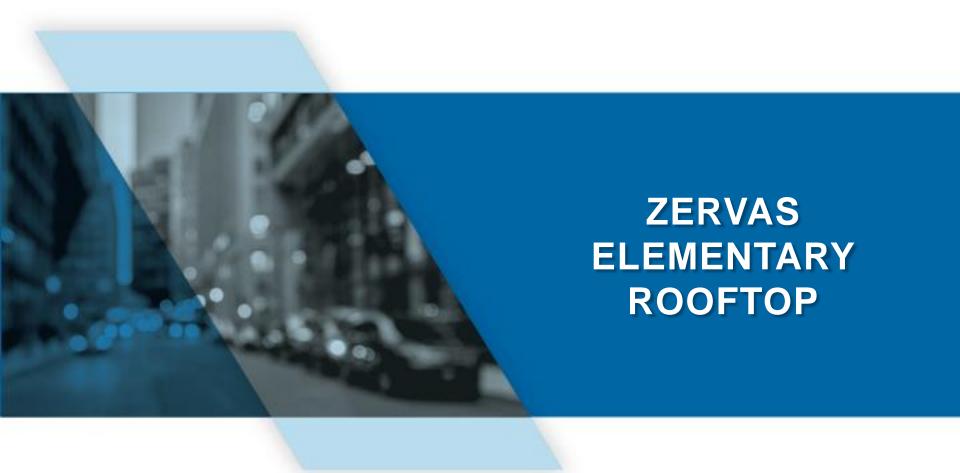
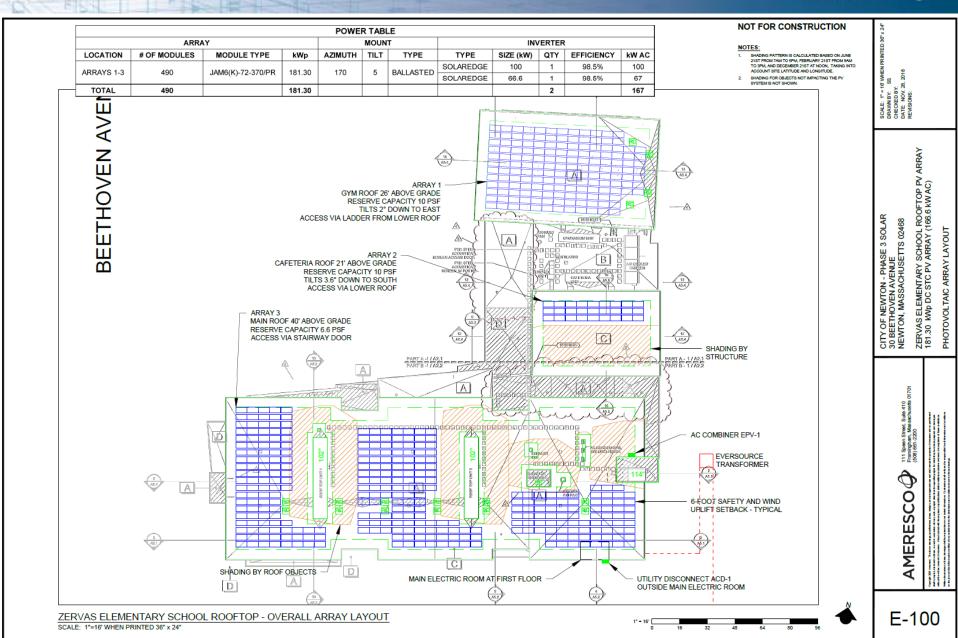


CITY OF NEWTON SOLAR PV-PHASE 3

JANUARY 2019







AMERESCO Q.

					POWER	RTABL	.E						
	ARRAY				MOUNT			INVERTER					
	LOCATION	# OF MODULES	MODULE TYPE	kWp	AZIMUTH	TILT	TYPE	TYPE	SIZE (kW)	QTY	EFFICIENCY	kW AC	
	ARRAY 1	306	JAM72S01-370/PR	113.22	197	5	BALLASTED	SolarEdge	100	1	98.5%	100	
	ARRAY 2	190	JAM72S01-370/PR	70.3	197	5	BALLASTED	SolarEdge	66.6	1	98.5%	67	
	ARRAY 3	190	JAM72S01-370/PR	70.3	197	5	BALLASTED	SolarEdge	66.6	1	98.5%	67	
- 27	TOTAL	686		253.82						3		233	



NOT FOR CONSTRUCTION

BHADING PATTERN IS CALCULATED BASED ON JUNE 21ST FROM 7:30AM TO 4:30PM, FEBRUARY 21ST FROM 9AM TO 3PM, AND DECEMBER 21ST AT NOON, TAKING INTO ACCOUNT SITE LATITUDE AND LONGITUDE.

- SHADING FOR OBJECTS NOT IMPACTING THE PV SYSTEM IS NOT SHOWN.
- GROUND SNOW LOAD = 40 PSF, BASIC WIND SPEED = 105 MPH, EXPOSURE TYPE C.

F. A. DAY MIDDLE SCHOOL ROOFTOP PV ARRAY 253.82 KWp DC STC PV ARRAY (233 KW AC) CITY OF NEWTON - PHASE 3 SOLAR 21 MINOT PLACE NEWTON, MASSACHUSETTS 02460

PHOTOVOLTAIC ARRAY LAYOUT

AMERESCO ♥

E-100

F. A. DAY MIDDLE SCHOOL - OVERALL ARRAY LAYOUT SCALE: 1"=20' WHEN PRINTED 36" x 24"



AMERES	SCO GR
NOT FOR CONSTRUCTION	.24

POWER TABLE											
ARRAY				MOUNT			INVERTER				
LOCATION	# OF MODULES	MODULE TYPE	kWp	AZIMUTH	TILT	TYPE	TYPE	SIZE (kW)	QTY	EFFICIENCY	kW AC
ARRAYS 1-4	218	JAM6(K)-72-370/PR	80.66	VARIES	5	BALLASTED	SolarEdge	66.6	1	98.0%	66.6
TOTAL	218		80.66						1		66.6

NOTES:

- BHADING PATTERN IS CALCULATED BASED ON JUNE 21ST FROM 7:30AM TO 4:30PM, FEBRUARY 21ST FROM 34M TO 3PM, AND DECEMBER 21ST AT MOON, TAKING INTO ACCOUNT SITE LATITUDE AND LONGITUDE.
- SHADING FOR OBJECTS NOT IMPACTING THE PV SYSTEM IS NOT SHOWN.
- GROUND SNOW LOAD = 40 PSF, BASIC WIND SPEED = 105 MPH EXPOSURE TYPE C.

CITY OF NEWTON - PHASE 3 SOLAR 100 WALNUT STREET NEWTON, MASSACHUSETTS 02460

EDUCATION CENTER ROOFTOP PV ARRAY 80.66 KWD DC STC PV ARRAY (66.6 KW AC) PHOTOVOLTAIC ARRAY LAYOUT

AMERESCO ♥

E-100





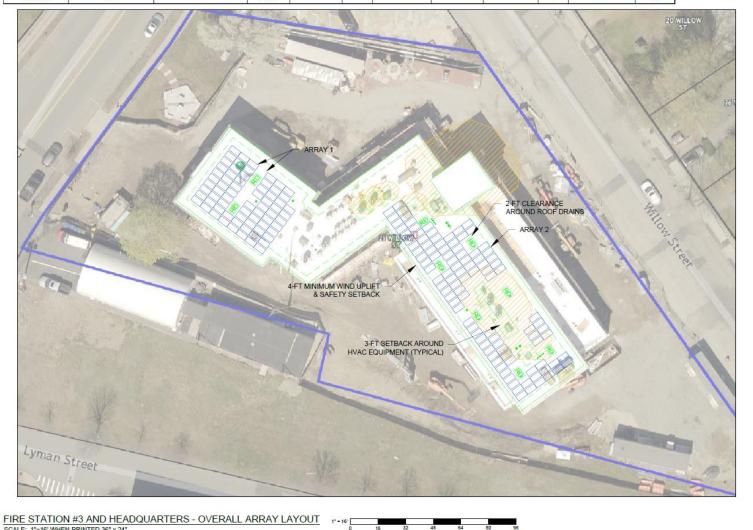
AMERESCO Q

POWER TABLE											
ARRAY				MOUNT			INVERTER				
LOCATION	# OF MODULES	MODULE TYPE	kWp	AZIMUTH	TILT	TYPE	TYPE	SIZE (kW)	QTY	EFFICIENCY	kW AC
ARRAYS 1 & 2	171	JAM6(K)-72-370/PR	63.27	VARIES	5	BALLASTED	SolarEdge	66.6	1	98.0%	67
TOTAL	171		63.27				2		1		67

NOT FOR CONSTRUCTION

NOTES:

- SHADING PATTERN IS CALCULATED BASED ON JUNE 21ST FROM 7:30AM TO 4:30PM, FEBRUARY 21ST FROM 3AM TO 3PM, AND DECEMBER 21ST AT MOON, TAKING INTO ACCOUNT SITE LATITUDE AND LONGITUDE.
- SHADING FOR OBJECTS NOT IMPACTING THE PV SYSTEM IS NOT SHOWN.
- GROUND SNOW LOAD = 40 PSF, BASIC WIND SPEED = 105 MPI EXPOSURE TYPE C.



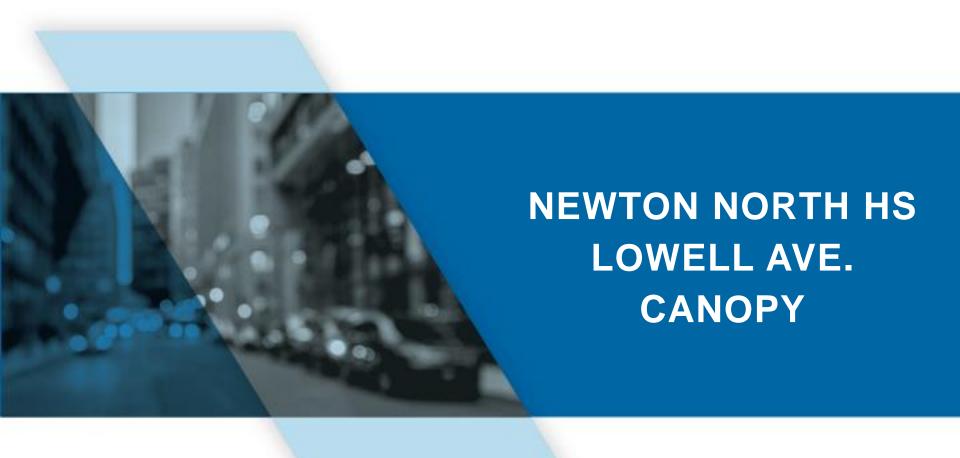
CITY OF NEWTON - PHASE 3 SOLAR 1164 CENTRE STREET NEWTON, MASSACHUSETTS 02459

FIRE STATION #3 ROOFTOP PV ARRAY 63.27 kWp DC STC PV ARRAY (66.6 kW AC) PHOTOVOLTAIC ARRAY LAYOUT

AMERESCO ♥

E-100

SCALE: 1"=16" WHEN PRINTED 36" x 24"





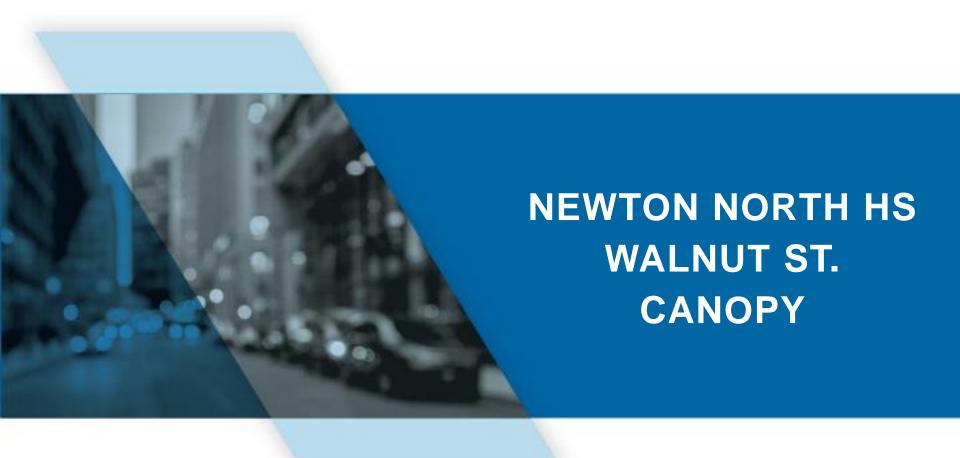
























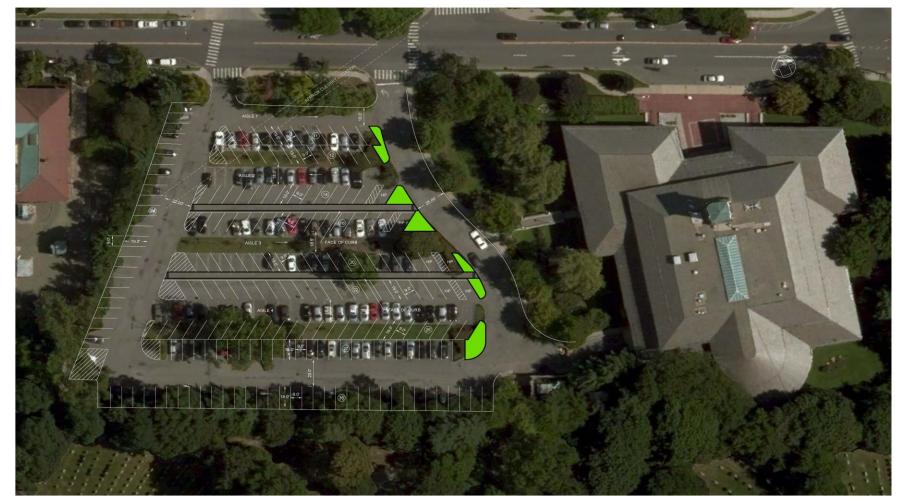
LIBRARY WITH NO WALKWAYS +36 SPACES



0 20 50 100



LIBRARY WITH 2 WALKWAYS +24 SPACES



0 20 50 100 SCALF: 1" = 20"



LIBRARY CANOPIES



























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