

SOLAR ENERGY SYSTEMS, LLC

ROOF-TOP SOLAR ELECTRIC
(PHOTOVOLTAIC SOLAR PANEL) PROJECT
(AS-BUILT)

NANUET SCHOOL DISTRICT - NANUET, NY 10954



GW MILLER ELEMENTARY SCHOOL 1400 S. 1ST ST. NANUET, NY 10954	ROOF-MOUNTED SOLAR ELECTRIC (PHOTOVOLTAIC) GENERATION SYSTEM 193.2 kWdc; 140 kWac
To be connected to parallel to Orange & Highland Service	
Total of [840] modules: Using 750W-230 PCP414 - 230-watt PV modules Total in (840) series strings of (14) modules	
PV ARRAY TEL: 10' - PV ARRAY AZIMUTH: 197/210'	All panelled strings to be fed into (10) 250A/125V PV INVERTERS
Proposed Inverter Location: See S-001	
System Point of Interconnection with Utility: See Project E-001-002-003-004-005	

A. MACARTHUR BARR MIDDLE SCHOOL 1400 S. 1ST ST. NANUET, NY 10954	ROOF-MOUNTED SOLAR ELECTRIC (PHOTOVOLTAIC) GENERATION SYSTEM 193.2 kWdc; 140 kWac
To be connected to parallel to Orange & Highland Service	
Total of [840] modules: Using 750W-230 PCP414 - 230-watt PV modules Total in (840) series strings of (14) modules	
PV ARRAY TEL: 10' - PV ARRAY AZIMUTH: 197'	All panelled strings to be fed into (10) 250A/125V PV INVERTERS
Proposed Inverter Location: See S-001	
System Point of Interconnection with Utility: See Project E-001-002-003-004-005	

NANUET SENIOR HIGH SCHOOL 1000 S. 1ST ST. NANUET, NY 10954	ROOF-MOUNTED SOLAR ELECTRIC (PHOTOVOLTAIC) GENERATION SYSTEM 200.30 kWdc; 154 kWac
To be connected to parallel to Orange & Highland Service	
Total of [713] modules: Using 750W-230 PCP414 - 230-watt PV modules Total in (713) series strings of (11) modules	
PV ARRAY TEL: 10' - PV ARRAY AZIMUTH: 200'	All panelled strings to be fed into (11) 250A/125V PV INVERTERS
Proposed Inverter Location: See S-003	
System Point of Interconnection with Utility: See Project E-001-002-003-004-005	

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9. E-001.02 ELECTRICAL LABELING REQUIREMENTS
10. E-002.02 ELECTRIC 3-LINE SCHEMATIC (ELEMENTARY SCHOOL)
11. E-201.02 ELECTRIC 3-LINE SCHEMATIC (MIDDLE SCHOOL)
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14. E-400.02
- 15.

TITLE SHEET

GENERAL NOTES

ROOF PLAN (MIDDLE SCHOOL)

ROOF PLAN (HIGH SCHOOL)

ROOF PLAN (MIDDLE SCHOOL)

ROOF PLAN (HIGH SCHOOL)

ROOF PLAN (MIDDLE SCHOOL)

ROOF PLAN (HIGH SCHOOL)

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ROOF PLAN (HIGH SCHOOL)

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ROOF PLAN (HIGH SCHOOL)

ROOF PLAN (MIDDLE SCHOOL)

ROOF PLAN (HIGH SCHOOL)



SOLAR PHOTOVOLTAIC
TOTAL PROJECT SIZE:
584.76 kWp dc
(454 kWp ac)

REVISIONS	DATE	BY	REVISIONS
1	04/01/2016	JS	UPDATE DRAWING FROM RANKING MANUFACTURERS
2	04/01/2016	JS	UPDATE DRAWING FROM RANKING MANUFACTURERS
3	04/01/2016	JS	UPDATE DRAWING FROM RANKING MANUFACTURERS
4	04/01/2016	JS	UPDATE DRAWING FROM RANKING MANUFACTURERS
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ENGINEER OF RECORD

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PROJECT

Nanuet School District
Nanuet, NY 10954

SOLAR PV ELECTRIC SYSTEM:
TITLE SHEET

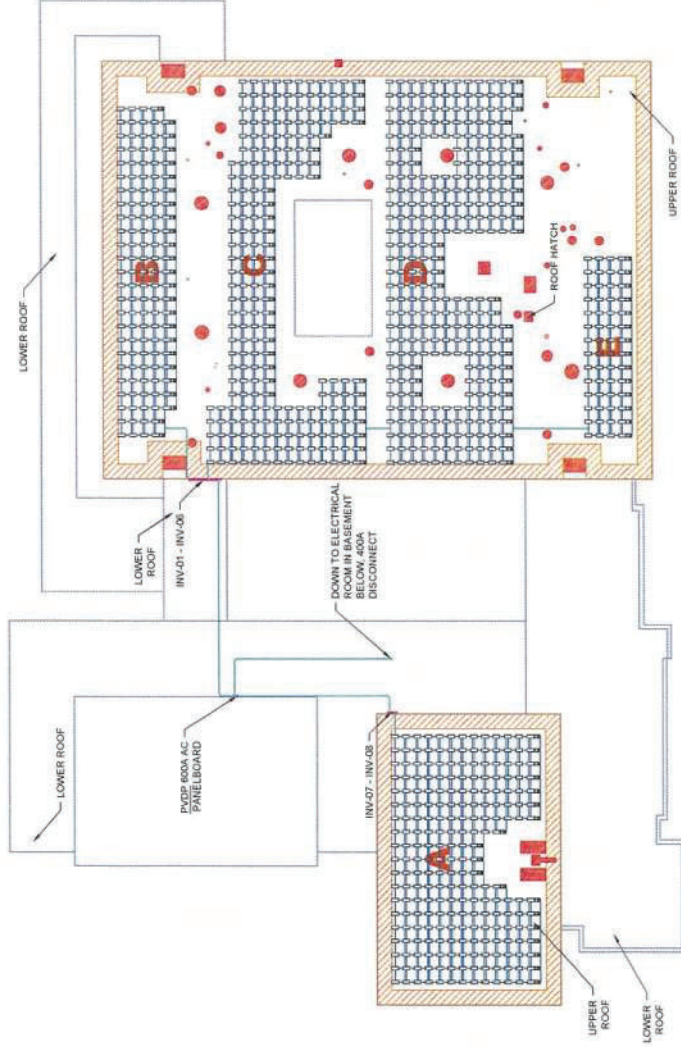
DATE	1/28/2011
PROJECT NO.	121310101
DRAWING BY	JS
CHECK BY	JS
DATE	1/28/2011
CAD FILE NO.	1/19/11

T-001.02

NOTES:

1. DESIGN CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND NEW YORK STATE EDUCATION DEPARTMENT BUILDING STANDARDS.

SUB-ARRAY	A	B	C	D	E	TOTAL
# of PV MODULES	208	117	195	260	52	832
# of SERIES STRINGS	16	9	15	20	4	64
kWdc (at 230W)	47.84	26.91	44.85	59.80	9.20	191.36



KEY:

EXISTING ROOF OBSTRUCTIONS

6'-0" ACCESS PATH FROM EDGE OF ROOF



1 ROOF PLAN
SCALE: 1/8" = 1'-0"



SOLAR PHOTOVOLTAIC
BUILDING SYSTEM SIZE:
191.36 kWp dc
(160 kWp ac)

REVISIONS	DATE	BY	CHKD	COMMENTS
01	01/20/2016			LAYOUT UPDATE FROM BACKING MANUFACTURERS
02	06/01/2016			UPDATES ON S-005 AND S-007 AND THE PAGE NUMBERING

ENGINEER OF RECORD:

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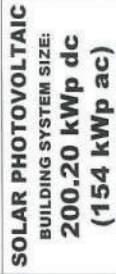
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PROJECT

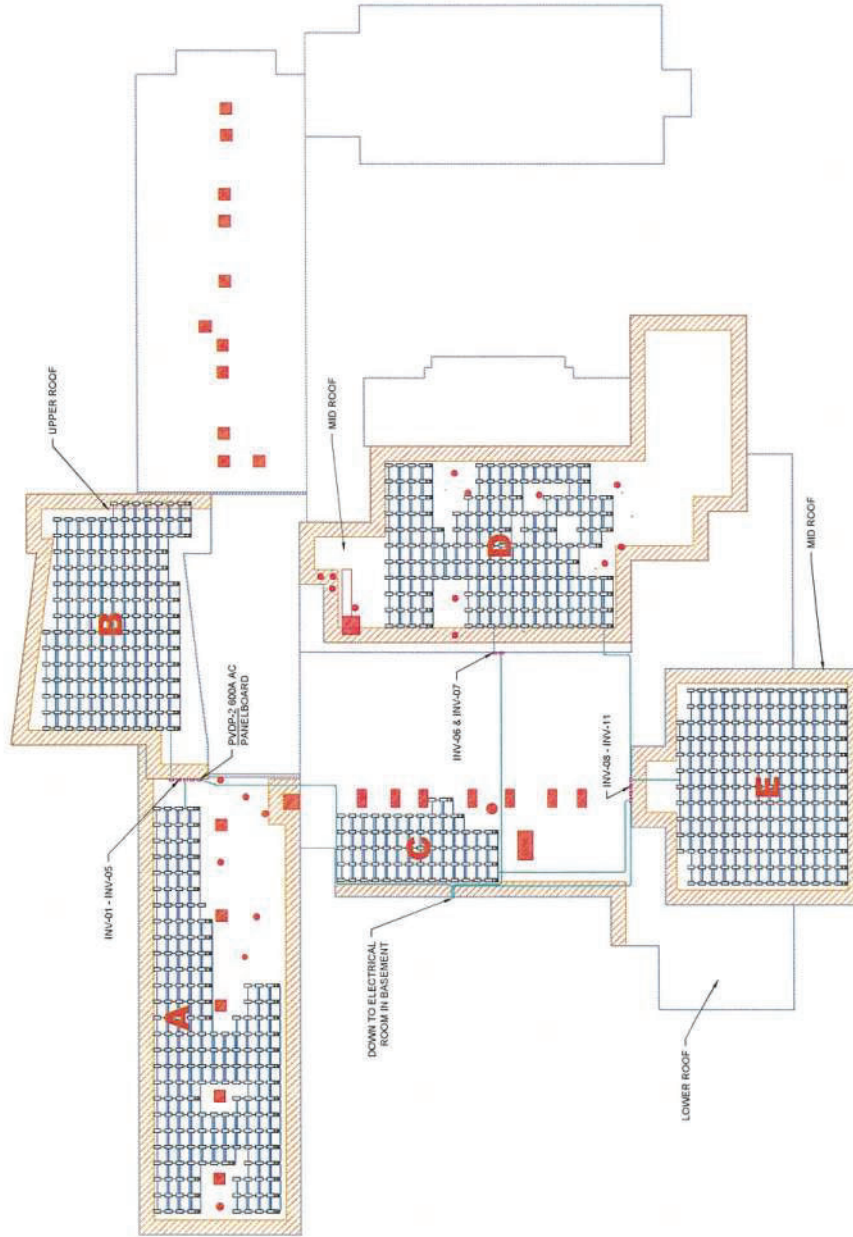
Nanuet School District
Nanuet, NY 10954

A MACARTHUR BARR MIDDLE SCHOOL
SOLAR PV ELECTRIC SYSTEM:
ROOF PLAN

DATE:	FEB-14-2014
PROJECT No.:	13-112-131.014
DRAWING BY:	BP
CHECKED BY:	JMS
DATE:	JAN
CAD FILE No.:	S-002.02
SCALE:	1/8" = 1'-0"



	A	B	C	D	E	TOTAL
SUB-ARRAY						
# of PV MODULES	176	154	55	154	176	715
# of SERIES STRINGS	16	14	5	14	16	65
kWdc (at 230W)	49.28	43.12	15.4	43.12	49.28	200.20



EXISTING ROOF OBSTRUCTIONS

6'-0" ACCESS PATH FROM EDGE OF ROOF

1 ROOF PLAN
EQU'S SCALE 1/4" = 1'-0"

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Nanuet School District
Nanuet, NY 10954

NANUET SENIOR HIGH SCHOOL
SOLAR PV ELECTRIC SYSTEM:
ROOF PLAN

DATE	#11B-25-1014
PROJECT No.	13.012.013.014
DRAWING BY	RP
CHECK BY	JMS
QING No.	
S-003.02	
CADD FILE No.	03-05-10