



200 HARBORSIDE DRIVE  
SUITE 200  
SCHENECTADY, NY 12305

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DISTRIBUTED SOLAR DEVELOPMENT

SEAL & SIGNATURE:

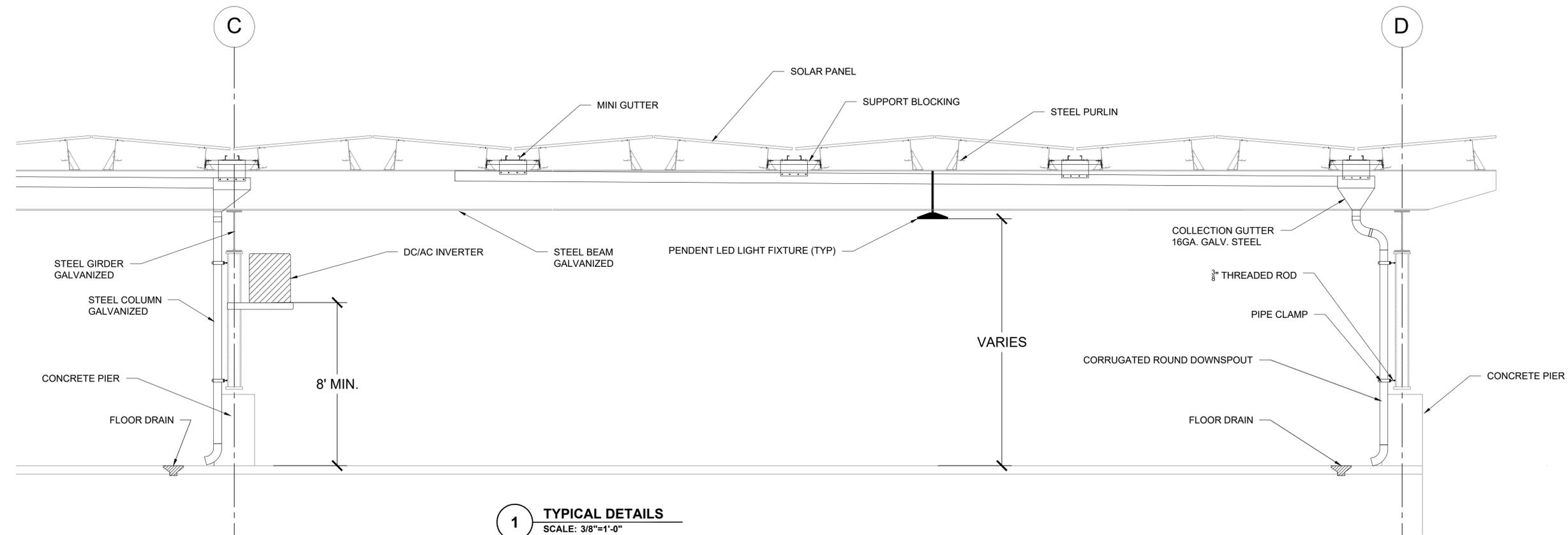
PROJECT NAME:  
**MONROE TOWNSHIP  
PUBLIC LIBRARY  
PARKING CANOPY - SOLAR PV SYSTEM**

PROJECT ADDRESS:  
**713 MARSHA AVE  
WILLIAMSTOWN, NJ  
08094**

NO.	DATE	REVISION DESCRIPTION	DRAWN BY:	CHECKED BY:
1	8-7-20	PRELIMINARY DESIGN REVIEW	AJN	BRJ

SHEET TITLE:  
**DETAILS &  
EQUIPMENT  
SPEC'S**

SHEET NO.:  
**A-200**



**1** TYPICAL DETAILS  
SCALE: 3/8"=1'-0"

powered by **Q. ANTUM DUO**

**Q. PEAK DUO L-G6.3**  
405-425  
ENDURING HIGH PERFORMANCE

**Q. ANTUM TECHNOLOGY: LOW LEVELED COST OF ELECTRICITY**  
Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 20.1%.

**INNOVATIVE ALL-WEATHER TECHNOLOGY**  
Optimal yields, whatever the weather with excellent low-light and temperature behaviour.

**ENDURING HIGH PERFORMANCE**  
Long-term yield security with Anti LID Technology, Anti PID Technology<sup>1</sup>, Hot-Spot Protect and Traceable Quality Tra.QM<sup>2</sup>.

**EXTREME WEATHER RATING**  
High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).

**A RELIABLE INVESTMENT**  
Inclusive 12-year product warranty and 25-year linear performance warranty<sup>2</sup>.

<sup>1</sup> APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 168h)  
<sup>2</sup> See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:  
Roof-top arrays on commercial/industrial buildings  
Ground-mounted solar power plants

Engineered in Germany

**SUNNY TRIPOWER CORE1 33-US / 50-US / 62-US**

**UP TO 60% FASTER INSTALLATION FOR COMMERCIAL PV SYSTEMS**

**2017 inter solar award WINNER**

**Fully integrated**

- Innovative design requires no additional racking for rooftop installation
- Integrated DC and AC disconnects and overvoltage protection
- 12 direct string inputs for reduced labor and material costs

**Increased power, flexibility**

- Multiple power ratings for small to large scale commercial PV installations
- Six MPPT trackers for flexible stringing and maximum power production
- OptiTrack™ Global Peak shade tolerant MPPT tracking

**Enhanced safety, reliability**

- Integrated SunSpec PRC signal for module-level rapid shutdown compliance to 2017 NEC
- Next-gen DC AFCI arc-fault protection certified to new Standard UL 1699B Ed. 1

**Smart monitoring, control, service**

- Advanced smart inverter grid support capabilities
- Increased ROI with SMA emonOS cross sector energy management platform
- SMA Smart Connected proactive O&M solution reduces time spent diagnosing and servicing in the field

**SUNNY TRIPOWER CORE1 33-US / 50-US / 62-US**  
It stands on its own

The Sunny Tripower CORE1 is the world's first free-standing PV inverter for commercial rooftops, carports, ground mount and repowering legacy solar projects. Now with expanded features and new power classes, the CORE1 is the most versatile, cost-effective commercial solution available. From distribution to construction to operation, the Sunny Tripower CORE1 enables logistical, material, labor and service cost reductions. Integrated SunSpec PRC for rapid shutdown and enhanced DC AFCI arc-fault protection ensure compliance to the latest safety codes and standards. With Sunny Tripower CORE1 and SMA's emonOS cross sector energy management platform, system integrators can deliver comprehensive commercial energy solutions for increased ROI.

www.SMA-America.com

**VCPG LED Parking Garage**

**Specifications**  
Diameter: 19"  
Height: 3.75" (4.87" with top lens)  
Weight: 18 lbs (max. with no options)

**Introduction**  
The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring glare control, optical performance and energy savings into one package. The recessed lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pixilation and delivers the required minimums, verticals and uniformity. The dedicated up-light module option reduces the contrast between the luminaire and the ceiling creating a more visually comfortable environment. The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

**Ordering information** EXAMPLE: VCPG LED V4 P4 40K 70CRI T5M MVOLT SRM DNAXD

Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
VCPG LED	V4 <sup>1</sup> 4 Light Engines V8 <sup>1</sup> 8 Light Engines	P1 <sup>2</sup> P2 <sup>2</sup> P3 <sup>2</sup> P4 <sup>2</sup> P5 <sup>2</sup> P6 <sup>2</sup> P7 <sup>2</sup>	30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 80CRI	TSM Type V, medium TSR Type V, rectangular TSW Type V, wide TSE Type V, entry LANE <sup>3</sup> Drive lane	MVOLT 347 120 208 240 277 347 480	Shipped included PM Pendant mount (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSVWA accessory to mount to a wall)

**Options**

Options	Finish options
<b>Shipped installed</b>	
UPL1 Up-Light: 500 lumens	DWHD White
UPL2 Up-Light: 700 lumens	DNAXD Natural aluminum
EWNC Emergency battery backup, Certified in CA Title 20 MAJDES (8h, -20°C min) <sup>4,5</sup>	DOBK Dark bronze
E10WH Emergency battery backup, Certified in CA Title 20 MAJDES (10h, 0°C min) <sup>4,5</sup>	DBLX Black
HA High ambient (50°C, only P1-P4)	
SF Single fuse (120V, 277V, 347V)	
DF Double fuse (208V, 240V, 480V)	
SPD10V 10kV Surge Block	
LD534 34in (91) lead length	
LD572 72in (183) lead length	
LD5108 108in (274) lead length	
DMG External 0-10V leads (no controls) <sup>6</sup>	
<b>Shipped separately</b>	
WC Wire Guard	
BS5 Bird Shield	
HS House Side Shield	

**Standalone Sensors/Controls<sup>7</sup>**

Series	Function
PIR	Motion/ambient sensor for 8-15' mounting heights
PIR8	Motion/ambient sensor for 15-30' mounting heights
PIR3FCV	Motion/ambient sensor for 8-15' mounting heights, pre-programmed to 3% and 35% light output
PIR3FCV8	Motion/ambient sensor for 15-30' mounting heights, pre-programmed to 3% and 35% light output
PIR3FCV24	UL 924 Listed motion/ambient sensor for emergency circuit for 8-15' mounting heights, pre-programmed to 3% and 35% light output <sup>8</sup>
PIR3FCV24	UL 924 Listed motion/ambient sensor for emergency circuit for 15-30' mounting heights, pre-programmed to 3% and 35% light output <sup>8</sup>

**Networked Sensors/Controls<sup>7</sup>**

Series	Function
NEAR2 PIR	UL 924 AIR Wireless enabled motion/ambient sensor for 8-15' mounting heights
NEAR2 PIR8	UL 924 AIR Wireless enabled motion/ambient sensor for 15-30' mounting heights
NEAR2 PIR24	UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights <sup>8</sup>
NEAR2 PIR24	UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights <sup>8</sup>
XAD	XSense™ Wireless enabled <sup>9</sup>
XAD24	XSense™ Wireless enabled, UL 924 Listed for emergency circuit <sup>8</sup>
XAD PIR	XSense™ Wireless enabled motion/ambient sensor for 8-15' mounting heights
XAD PIR8	XSense™ Wireless enabled motion/ambient sensor for 15-30' mounting heights
XAD24 PIR	XSense™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 8-15' mounting heights <sup>8</sup>
XAD24 PIR8	XSense™ Wireless enabled, UL 924 Listed motion/ambient sensor for emergency circuits for 15-30' mounting heights <sup>8</sup>

LITHONIA LIGHTING  
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