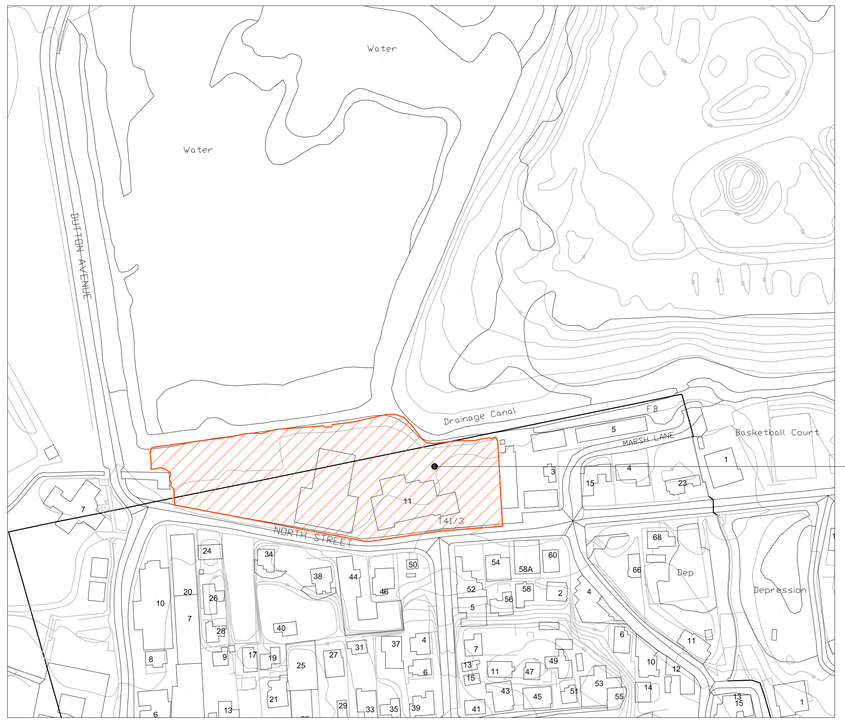
PROPOSED PV PANELS
AT TRANSPORT CONTROL DEPARTMENT
#11 NORTH STREET,
CITY OF HAMILTON, BERMUDA

MARCH 2021



1 TP.0 LOCATION PLAN
SCALE: N.T.S.

SHEET INDEX

SHEET	DESCRIPTION
TP.0	TITLE SHEET / LOCATION PLAN / SHEET LIST
SP.1	SITE PLAN
S.1	ROOF PLAN
S.2	SECTIONS & SPECIFICATIONS

MAY 2021	-	SUBMITTED DAP1
DATE	NO:	REVISION

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PROJECT:
TRANSPORT CONTROL DEPT.
11 NORTH STREET
CITY OF HAMILTON, HM 17

TITLE:
TITLE PAGE /
LOCATION PLAN /
DRAWING LIST

SCALE:	AS SHOWN	JOB NO:	21-012
DRAWN BY:	JC	DRAWING #:	**TP.0**
DATE:	MARCH 2021		

DRAWING SCALE SHOWN IS FOR FULL-SIZE DRAWINGS. DRAWINGS PLOTTED ON 11"x17" SHEETS ARE HALF SCALE SHOWN (1/4"=1'-0" ON 24"x36" SHEET = 1/8"=1'-0" ON 11"x17" SHEET)

1 / SP.1 SITE PLAN
SCALE: 3/128" = 1'-0" (11x17 SHEET)
3/64" = 1'-0" (24x36 SHEET)

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11 NORTH STREET
CITY OF HAMILTON, HM 17

TITLE:
SITE PLAN
(PROPOSED)

SCALE:	AS SHOWN	JOB NO:	21-012
DRAWN BY:	JC	DRAWING #:	SP.1
DATE:	MARCH 2021		

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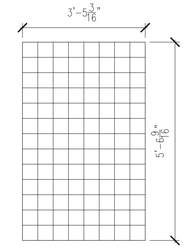
1 S.1 ROOF PLAN
SCALE: 3/32" = 1'-0" (11x17 SHEET)
3/16" = 1'-0" (24x36 SHEET)



PROPOSED PV SOLAR PANELS.
REFER TO DWG. 3/S.2

2 S.1 TYPICAL SOLAR PANEL SIZE
SCALE: 1/4" = 1'-0" (11x17 SHEET)
1/2" = 1'-0" (24x36 SHEET)

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CITY OF HAMILTON, HM 17

TITLE:
ROOF PLAN
(PROPOSED)

SCALE:	AS SHOWN	JOB NO:	21-012
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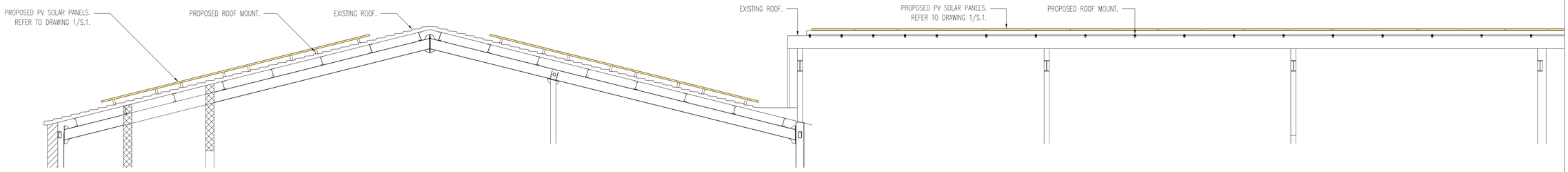
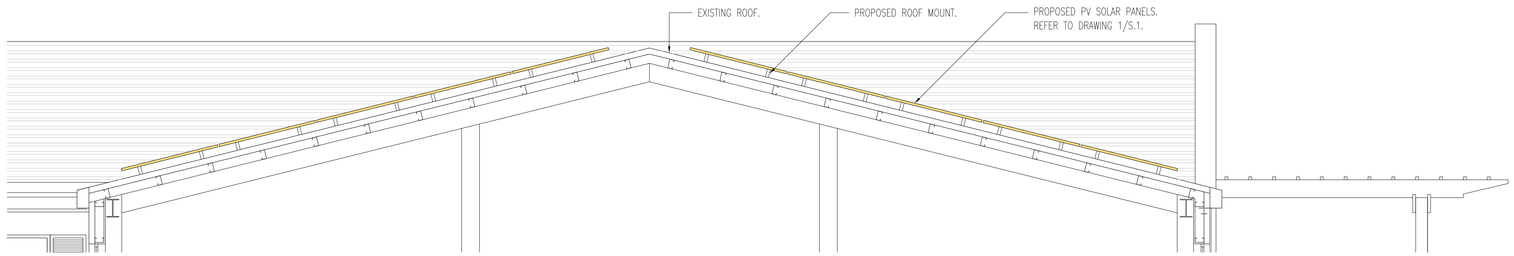
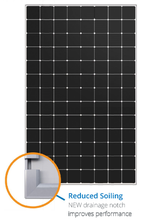


1 S.2 **SECTIONS**
SCALE: 1/8" = 1'-0" (11x17 SHEET)
1/4" = 1'-0" (24x36 SHEET)



2 S.2 **SECTIONS**
SCALE: 1/8" = 1'-0" (11x17 SHEET)
1/4" = 1'-0" (24x36 SHEET)

SUNPOWER®
MAXEON®



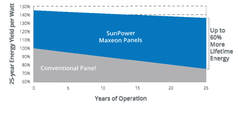
MAXEON® 3 | 400 W

Commercial Solar Panel

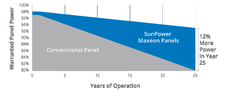
SunPower Maxeon panels combine the top efficiency, durability and warranty available in the market today, resulting in more long-term energy and savings. [1,2]

Maximum Power. Minimalist Design.
Generates more power and savings per available space, making it easier to meet your organization's goals.

Highest Lifetime Energy and Savings
Designed to deliver 60% more energy in the same space over 25 years in real-world conditions like partial shade and high temperatures. [2]



Better Reliability, Better Warranty
With more than 25 million panels deployed around the world, SunPower technology is proven to last. That's why we stand behind our panel with an exceptional 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.



Fundamentally Different. And Better.

The SunPower Maxeon® Solar Cell
- Enables highest efficiency panels available [1]
- Unmatched reliability [3]
- Patented solid metal foundation prevents breakage and corrosion

As Sustainable As Its Energy
- Ranked #1 in Silicon Valley Toxics Coalition Solar Scorecard [4]
- First solar panels to achieve Cradle to Cradle Certified™ Silver recognition [5], pending
- Contributes to more LEED categories than conventional panels [6]

sunpower.com.au

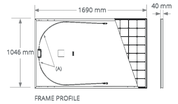
3 S.2 **SOLAR PANEL SPECIFICATIONS**
SCALE: N.T.S.

MAXEON® 3 | 400 W Commercial Solar Panel

Electrical Data	SPR-MAX3-405-COM	SPR-MAX3-390-COM	SPR-MAX3-370-COM
Nominal Power (Pnom) [7]	400 W	390 W	370 W
Power Tolerance	+5/0%	+5/0%	+5/0%
Panel Efficiency	22.6%	22.1%	20.9%
Rated Voltage (Vmpp)	65.8 V	64.5 V	61.8 V
Rated Current (Impp)	6.08 A	6.05 A	5.99 A
Open-Circuit Voltage (Voc)	75.6 V	75.3 V	74.7 V
Short-Circuit Current (Isc)	6.58 A	6.55 A	6.52 A
Max. System Voltage	1000 V IEC		
Maximum Series Fuse	20 A		
Power Temp Coef.	-0.29% / °C		
Voltage Temp Coef.	-176.8 mV / °C		
Current Temp Coef.	2.9 mA / °C		

Operating Condition And Mechanical Data	
Temperature	-40°C to +85°C
Impact Resistance	25 mm diameter hail at 23 m/s
Solar Cells	104 Monocrystalline Maxeon Gen III
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-68, Multi-Contact (MC4), 3 bypass diodes
Weight	19 kg
Max. Load [8]	Wind: 4000 Pa, 408 kg/m² front & back Snow: 6000 Pa, 611 kg/m² front
Frame	Class 2 silver anodized

Tests And Certifications	
Standard Tests [9]	IEC 61215, IEC 61730
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	RoHS (Pending), OHSAS 18001:2007, lead free, REACH SVHC-163 (Pending)
Sustainability	Cradle to Cradle Certified™ (Pending)
Ammonia Test	IEC 62716
Desert Test	MIL-STD-810G
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	1000 V: IEC 62804
Available Listings	TUV



A. Cable Length: 1200 mm +/-10 mm
B. LONG SIDE: 32 mm
SHORT SIDE: 24 mm

Please read the safety and installation guide.

1 SunPower 400 W, 22.6% efficient, compared to a Conventional Panel on same-sized arrays (310 W, 16% efficient, approx. 2 m²), 8% more energy per watt. Based on PVSyst.com files for avg. EU climate, 0.5%/yr slower degradation rate (Jordan, et. al. "Robust PV Degradation Methodology and Application." PVSC 2018).
2 DNV "SunPower Shading Study," 2013. Compared to a conventional front contact panel.
3 #1 rank in "Fraunhofer PV Durability Initiative for Solar Modules: Part 3". PVTech Power Magazine, 2015.
4 SunPower is rated #1 on Silicon Valley Toxics Coalition's Solar Scorecard.
5 Cradle to Cradle Certified is a multi-attribute certification program that assesses products and materials for safety to human and environmental health, design for future use cycles, and sustainable manufacturing.
6 Maxeon2 and Maxeon3 panels additionally contribute to LEED Materials and Resources credit categories.
7 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C). NREL calibration Standard: SOMS current, LACCS FF and Voltage.
8 Class C fire rating per IEC 61730.
9 Calculated with a 1.5 Safety Factor.

Designed in USA.
Made in Philippines (Cells)
Modules Assembled in Mexico

Visit www.sunpower.com.au for more information.
Specifications included in this datasheet are subject to change without notice.

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MAXEON®

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