

PROJECT TEAM

OWNER
 30 WEST OAK STREET - 7B
 CHICAGO, ILLINOIS, 60610
 JOHN & BETSY MCLINDEN P 312.925.0700

ARCHITECT / CONTRACTOR
 THE CONSTRUCTION ZONE, LTD
 1729 EAST OSBORN ROAD
 PHOENIX, ARIZONA 85016
 ANDY BYRNES, AIA P 602.230.0383 F 602.230.0535
 ANDY@CZPHX.COM

SOLAR
 SUN VALLEY SOLAR SOLUTIONS LLC
 3225 NORTH COLORADO STREET
 CHANDLER, ARIZONA 85225 P 480.689.5000

PROJECT DATA

PROJECT ADDRESS 5564 EAST PALO VERDE LANE
 PARADISE VALLEY, ARIZONA 85253

LEGAL DESCRIPTION LOT 13, STONE CANYON EAST, BOOK 81
 OF MAPS, PAGE 34., MARICOPA COUNTY
 RECORDER

APN 172-47-058C

ZONING R-43 (HILLSIDE)

AREA OF LOT (NET) 1.154 ACRES ± (50,256 SF)

PROJECT NARRATIVE

NEW SOLAR ARRAY CONSISTING OF 30 Q CELL SOLAR PANELS
 LOCATED ON THE LOWER EAST PARAPET ROOF. SOLAR PANELS TO BE
 Q PEAK G4.1 305 (BLACK COLOR VS. BLUE)
 THE SOLAR PANEL MOUNTS WILL BE PAINTED TO MATCH APPROVED
 SPRAY FOAM BASE COLOR. (NOT TO EXCEED LRV38%)
 PANELS WILL BE TILTED SO THAT IT WILL BE FULLY HIDDEN FROM
 VIEW WHEN VIEWED FROM THE SAME OR A LOWER ELEVATION BY
 THE +/- 13" TALL PARAPET. THE METER, DISCONNECT, INVERTER AND
 DEMAND MANAGER WILL BE LOCATED IN THE ENCLOSED
 MECHANICAL SPACE NORTH OF THE GARAGE AND WILL NOT BE
 VISIBLE FROM THE EXTERIOR.

EQUIPMENT SPECIFICATIONS

SOLAR PANELS:
 HANWHA Q CELLS Q.PEAK G4.1 305

RACKING SYSTEM:
 EVEREST MOUNTING RAIL
 6000 SERIES ALUMINUM (LRV +/-32)
 CAN BE PAINTED TO MATCH ROOF "BROWN OWL" (LRV +/-33)

CONDUIT:
 WILL BE PAINTED TO MATCH ROOF "BROWN OWL" (LRV +/-33)

INVERTER:
 SOLAR EDGE SE11,400A-US
 NOT PAINTED SCREENED FROM VIEW

DEMAND MANAGER:
 ENERGY SENTRY 9388A
 NOT PAINTED SCREENED FROM VIEW

METER / DISCONNECT:
 NOT PAINTED SCREENED FROM VIEW

DRAWING INDEX

A100	ARCHITECTURE
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A102	AERIAL CONTEXT PLAN
A300	SITE PHOTOS
A400	ELEVATION & SECTION
	SPECIFICATIONS

BUILDING QUALITY PRODUCTS
proTech

Custom Colors (6 below) \$1.00 extra per gallon:

No additional charge for: White (LRV - 96), Gray, Tan, or Energy Star Tan colors

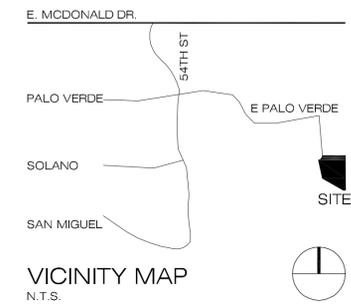
*LRV - Light Reflective Value
 *Desert Mountain HOA Approved: Brown Owl, SF Tan, Co. Trail, Terra Cotta

Every effort is made to reproduce these colors as closely as possible. The reproducibility of the colors is based on full batch quantities per color lot. Due to variation in raw material and colorants an exact match is not possible.

2 | ROOF BASE COLOR
 N.T.S.

1 | SITE PLAN
 SCALE: 1/16"=1'-0"

0' 8' 16' 32'



VICINITY MAP
 N.T.S.

the construction zone
 1729 east osborn road
 phoenix, arizona 85016
 office 602.230.0383
 fax 602.230.0535

HILLSIDE
SOLAR COMBINED REVIEW

mclinden residence
 5564 east palo verde lane, paradise valley, arizona 85253
SITE PLAN & PROJECT DATA

A100

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HILL SIDE
 SOLAR COMBINED REVIEW

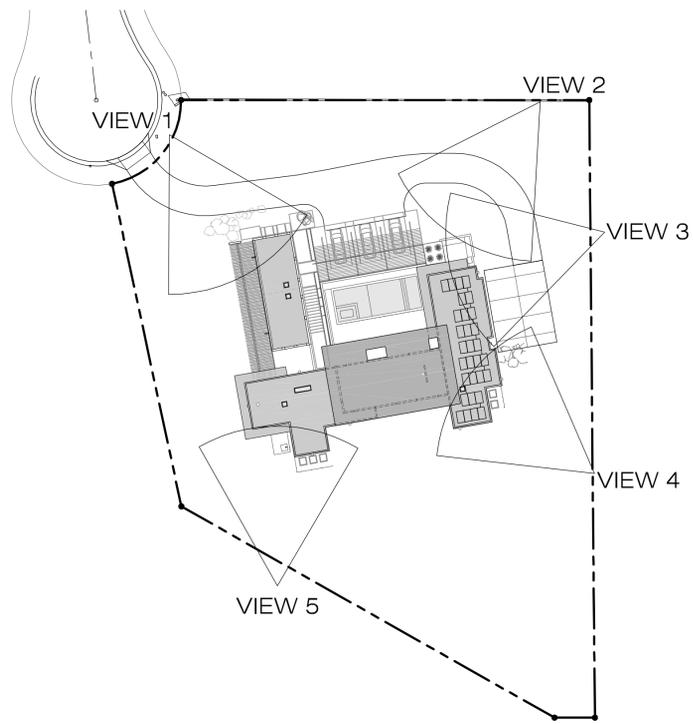
melinden residence
 5564 east palo verde lane, paradise valley, arizona 85253
AERIAL CONTEXT PLAN

02.20.19

A101



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SITE KEY PLAN

SCALE: 1"=40'

PROPOSED +/-13' TALL PARAPET
ROOF WILL SCREEN SOLAR
PANELS IN ELEVATION



VIEW 5



VIEW 4

PROPOSED +/-13' TALL PARAPET
ROOF WILL SCREEN SOLAR
PANELS IN ELEVATION



VIEW 3

PROPOSED LOCATION OF METER,
DISCONNECT, AND INVERTER, BEHIND
H.R. STEEL (L.F.V. +/-8) MECHANICAL SCREEN.
NOT VISIBLE FROM EXTERIOR. EQUIPMENT
WILL NOT BE PAINTED.



VIEW 2

PROPOSED +/-13' TALL PARAPET
ROOF WILL SCREEN SOLAR
PANELS IN ELEVATION

PROPOSED LOCATION OF METER,
DISCONNECT, AND INVERTER, BEHIND
H.R. STEEL (L.F.V. +/-8) MECHANICAL SCREEN.
NOT VISIBLE FROM EXTERIOR. EQUIPMENT
WILL NOT BE PAINTED.



VIEW 1

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**HILL SIDE
SOLAR COMBINED REVIEW**

melinden residence

5564 east palo verde lane, paradise valley, arizona 85253

SITE PHOTOS

02.20.19

A102

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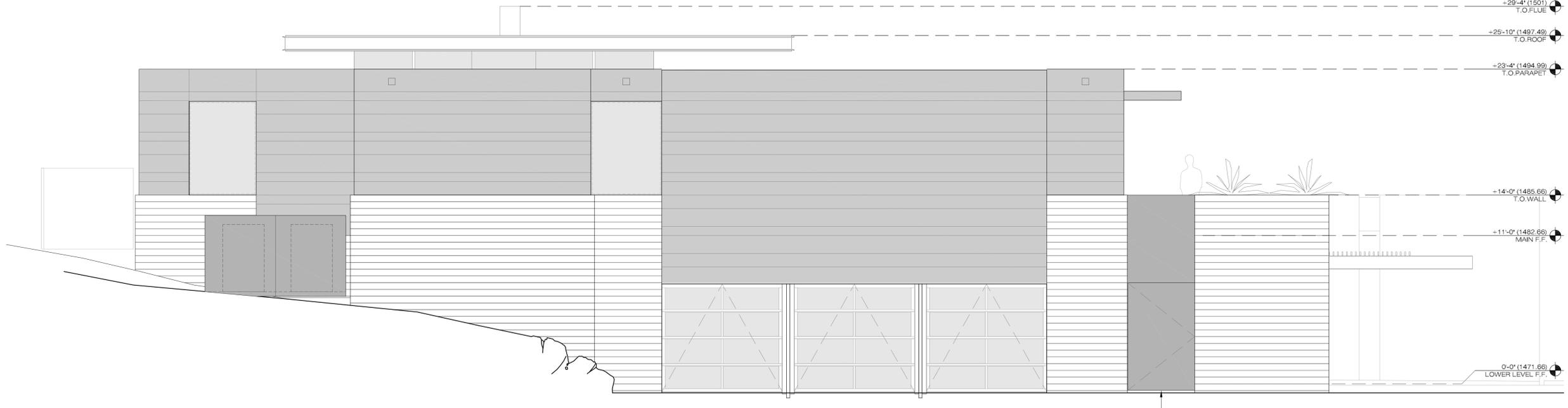
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HILLSIDE
SOLAR COMBINED REVIEW

mclinden residence
 5564 east palo verde lane, paradise valley, arizona 85253
ELEVATION & SECTION

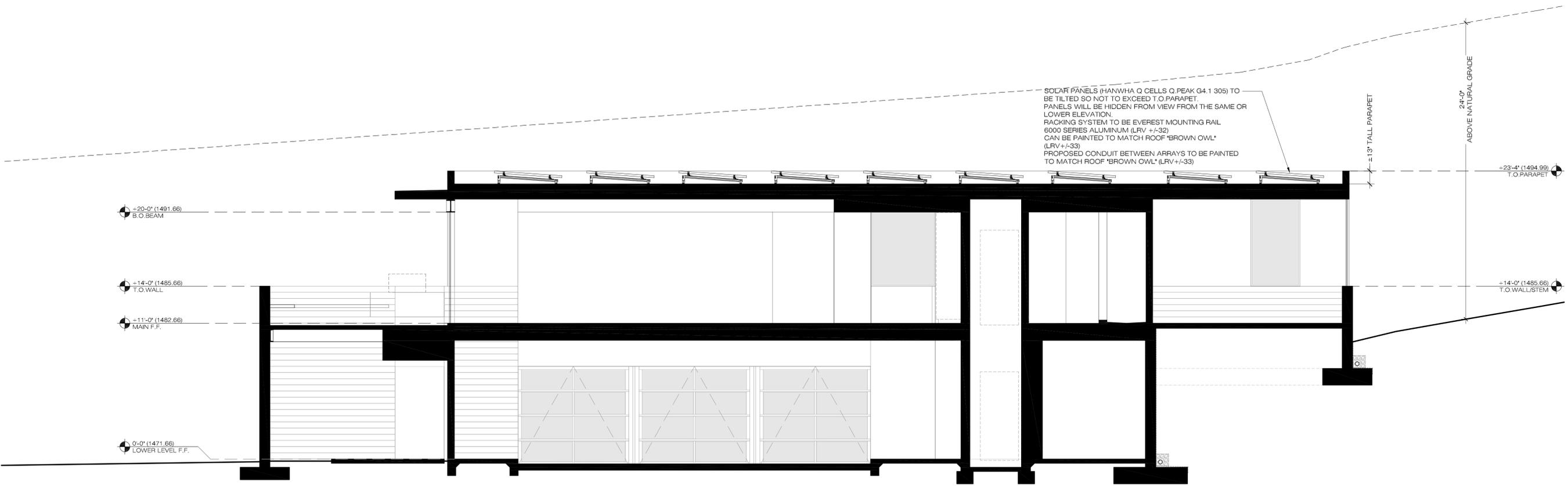
A300

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2 | EAST ELEVATION
 SCALE: 1/4"=1'-0"

PROPOSED LOCATION OF METER, DISCONNECT, AND INVERTER: BEHIND H.R. STEEL (LRV +/-8) MECHANICAL SCREEN. NOT VISIBLE FROM EXTERIOR. EQUIPMENT WILL NOT BE PAINTED.



1 | SECTION
 SCALE: 1/4"=1'-0"



SOLAR PANELS (HANWHA Q CELLS Q PEAK G4.1 305) TO BE TILTED SO NOT TO EXCEED T.O. PARAPET. PANELS WILL BE HIDDEN FROM VIEW FROM THE SAME OR LOWER ELEVATION. RACKING SYSTEM TO BE EVEREST MOUNTING RAIL 6000 SERIES ALUMINUM (LRV +/-32) CAN BE PAINTED TO MATCH ROOF 'BROWN OWL' (LRV +/-33). PROPOSED CONDUIT BETWEEN ARRAYS TO BE PAINTED TO MATCH ROOF 'BROWN OWL' (LRV +/-33).

±13" TALL PARAPET

24'-0" ABOVE NATURAL GRADE

02.20.19

powered by **Q.ANTUM**

Q.PEAK-G4.1 290-305

Q.ANTUM SOLAR MODULE

The new high-performance module Q.PEAK-G4.1 is the ideal solution for residential buildings thanks to its innovative cell technology Q.ANTUM. The world-record cell design was developed to achieve the best performance under real conditions – even with low radiation intensity and on clear, hot summer days.

- Q.ANTUM TECHNOLOGY: LOW LEVELIZED COST OF ELECTRICITY**
Higher yield per surface area and lower BOS costs and higher power classes and an efficiency rate of up to 18.6%.
- 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*, Hot-Spot Protect and Traceable Quality Tra.Q™.
- EXTREME WEATHER RATING**
High-tech aluminium alloy frame, certified for high snow (5400Pa) and wind loads (4000 Pa).
- MAXIMUM COST REDUCTIONS**
Up to 10% lower logistics costs due to higher module capacity per box.
- A RELIABLE INVESTMENT**
Inclusive 12-year product warranty and 25-year linear performance warranty*.

THE IDEAL SOLUTION FOR:
Residential arrays on residential buildings

Engineered in Germany

Q CELLS

MECHANICAL SPECIFICATION

Format: 1670mm x 1000mm x 32mm (including frame)
Weight: 18.8 kg
Front Cover: 3.2mm thermally pre-stressed glass with anti-reflection technology
Back Cover: Composite film
Frame: Black anodized aluminium
Cell: 6 x 12 monocrystalline Q.ANTUM solar cells
Junction box: 66.7mm x 111.90mm x 15.19mm
Protection class IP67, with bypass diodes
Cable: 4mm² Solar cable, (v) 1000mm, 1-1000mm
Connector: General Multi-Contact MC4, IP68

ELECTRICAL CHARACTERISTICS

POWER CLASS	290	295	300	305	
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC* (POWER TOLERANCE +3% / -0%)					
Power at MPP ¹	P _{MPP} [W]	290	295	300	305
Short Circuit Current ²	I _{sc} [A]	9.63	9.70	9.77	9.84
Open Circuit Voltage ²	V _{oc} [V]	39.19	39.48	39.76	40.05
Current at MPP ¹	I _{MPP} [A]	9.07	9.17	9.26	9.35
Voltage at MPP ¹	V _{MPP} [V]	31.86	32.19	32.41	32.62
Efficiency ³	η [%]	≥17.4	≥17.7	≥18.0	≥18.3
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOCT ⁴					
Power at MPP ¹	P _{MPP} [W]	214.4	218.1	221.8	225.5
Short Circuit Current ²	I _{sc} [A]	7.77	7.82	7.88	7.94
Open Circuit Voltage ²	V _{oc} [V]	36.65	36.92	37.19	37.46
Current at MPP ¹	I _{MPP} [A]	7.12	7.20	7.27	7.35
Voltage at MPP ¹	V _{MPP} [V]	30.12	30.30	30.49	30.67

*1000W/m², 25°C, spectrum AM 1.5G. *2 Measurement tolerance STC ±3%, NOCT ±5%. *300W/m², NOCT, spectrum AM 1.5G. *4 Typical values, actual values may differ.

Q CELLS PERFORMANCE WARRANTY

All best 98% of nominal power during first year. Thereafter max. 0.6% degradation per year. At least 92.0% of nominal power up to 10 years. At least 83.6% of nominal power up to 25 years.

All data within measurement tolerances. Full warranty in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I _{sc}	α [%/K]	+0.04	Temperature Coefficient of V _{oc}	β [%/K]	-0.28
Temperature Coefficient of P _{MPP}	γ [%/K]	-0.39	Normal Operating Cell Temperature	NOCT [°C]	45

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V _{max} [V]	1000	Safety Class	II
Maximum Reverse Current	I _r [mA]	20	Fire Rating	C
Wind/Snow Load (checked in accordance with IEC 61215)	(Pa)	4000/5400	Permitted Module Temperature (checked in accordance with IEC 61215)	-40°C up to +85°C

QUALIFICATIONS AND CERTIFICATES

RoHS, CE, VDE, IEC 61215 (IEC 61634), IEC 61730 (IEC 61730-1, Application class A)

RoHS Q CELLS Australia Pty Ltd
1402, 50 Burg St, North Sydney NSW 2060, Australia | TEL: +61 (0)291013033 | FAX: +61 (0)291013032 | EMAIL: q.cells.australia@q-cells.com | WEB: www.q-cells.com

Engineered in Germany

Q CELLS

SOLAR PANEL
HANWHA Q CELLS Q.PEAK G4.1 305

RACK SYSTEM
ALUMINIUM / STAINLESS STEEL (LRV: +/- 32)
PROPOSED UNPAINTED. DUE TO PARAPET AND LOW MOUNTING ANGLE THE MOUNTING SYSTEM WILL NOT BE VISIBLE.
IF VISIBLE WE WILL PAINT VISIBLE SECTIONS TO MATCH ROOF BASE COLOR OF "BROWN OWEL" (LRV +/- 33)

Mounting systems for solar technology

EVEREST SOLAR SYSTEMS
CROSSRAIL TILT UP SYSTEM

Everest Solar Systems, LLC 285 La Mirada Dr., Suite A Vista, CA 92081
Service Hotline +1 760.301.5300 info@everest-solarsystems.com www.everest-solarsystems.com

Product Sheet System
Please refer to the product manual for detailed information on the installation and operation of the system. The system is designed for use on residential buildings. It is not intended for use on commercial buildings. The system is not intended for use on roofs with a slope greater than 15 degrees. The system is not intended for use on roofs with a slope less than 5 degrees. The system is not intended for use on roofs with a slope between 5 and 15 degrees unless the roof is specifically designed for this purpose.

CrossRail Tilt Up System

- High quality, German-engineered system optimized for residential installation
- MK3 mounting hardware simplifies module installation – fast, easy, and secure
- Easily integrates with third party roof attachment products
- L-foot provides adjustability and compatibility with common roof types
- 100% code-compliant, structural validation for all solar states
- Three rail sizes available to suit all structural conditions
- Fast installation with minimal component count result in low total installed cost
- Simple to design using code compliant Everest Online Design Tool
- Flexible to several tilt angles and pre-engineered for 7, 10, 15 degree tilts
- Same rail used as tilt legs - minimize rail waste by using scrap as tilt legs

Technical Data:

Applicable roof types	Comp shingle, tile, flat tile, concrete
Flexibility	Modular construction, suitable for any system size, height adjustable
PV modules	For all common module types
Module orientation	Portrait and landscape
Material	High corrosion resistance, stainless steel and high grade aluminium
Roof attachment	Screw connection into rafter
Structural validity	IBC compliant, stamped engineering letters available for all solar states
Warranty	25 years
System components	CrossRail 48-x/48-XL/80, L-Foot, Tilt Connector Set, Climber Set, Mid and End Clamp Sets

Product Sheet US07-1218

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HILLSIDE
SOLAR COMBINED REVIEW

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solar edge

SolarEdge Single Phase Inverters For North America

SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US / SE7600A-US / SE10000A-US / SE11400A-US

INVERTERS

The best choice for SolarEdge enabled systems

- Specifically designed to work with power optimizers
- Superior efficiency (98%)
- Integrated arc fault protection and rapid shutdown for NEC 2014 and 2017, per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight and easy to install outdoors or indoors on provided bracket
- Built-in module-level monitoring
- Internet connection through Ethernet or Wireless
- Fixed voltage inverter for longer strings
- Optional – revenue grade data, ANSI C12.1

USA - CANADA - GERMANY - ITALY - FRANCE - JAPAN - CHINA - AUSTRALIA - THE NETHERLANDS - UK - ISRAEL - TURKEY - SOUTH AFRICA - BULGARIA www.solaredge.us

solar edge

Single Phase Inverters for North America

SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US / SE7600A-US / SE10000A-US / SE11400A-US

OUTPUT	SE3000A-US	SE3800A-US	SE5000A-US	SE6000A-US	SE7600A-US	SE10000A-US	SE11400A-US
Nominal AC Power Output	3000	3800	5000	6000	7600	9980 @ 208V	11400 VA
Max. AC Power Output	3100	4150	5450 @ 208V	6000	8350	10900 @ 208V	12000 VA
AC Output Voltage Min.-Nom.-Max. ¹	110 - 208 - 230V AC						
AC Output Voltage Min.-Nom.-Max. ²	211 - 240 - 264 Vdc						
AC Frequency Min.-Nom.-Max.	50/60 Hz						
Max. Continuous Output Current	32.5	16	24 @ 208V	25	32	48 @ 208V	47.5
GFCl Threshold	21 @ 240V						
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
INPUT							
Maximum DC Power (STC)	4050	5100	6750	8100	10250	13500	15300 W
Transformers- Ungrounded	Yes						
Max. Input Voltage	500	500	500	500	500	500	Vdc
North DC Input Voltage	150 @ 208V / 150 @ 240V	Vdc					
Max. Input Current ³	8.5	13	31.5 @ 208V	18	23	33 @ 208V	34.5
Max. Input Short-Circuit Current	18	18	45	45	45	45	Adc
Reverse Polarity Protection	Yes						
Ground-Fault Isolation Detection	600Vdc Sensitivity						
Maximum Inverter Efficiency	97.7	98.2	98.3	98.3	98	98	%
CCC Weighted Efficiency	97.5	98	97 @ 208V	97.5	97.5	97.5 @ 240V	97.5
Nighttime Power Consumption	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	W
ADDITIONAL FEATURES							
Supported Communication Interfaces	RS485, RS232, Ethernet, ZigBee (optional)						
Revenue Grade Data, ANSI C12.1	Optional ⁴						
Rapid Shutdown, NEC 2014 and 2017 690.12	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵	Automatic Rapid Shutdown upon AC Grid Disconnection ⁵
STANDARD COMPLIANCE							
Safety	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67	UL1741, UL1741 SA, UL1699B, CSA C22.2 Canadian AFCI according to TLL M-67
Grid Connection Standards	IEEE1547, Rule 21, Rule 14 (H)						
UL Listing	UL part 1 class B						
INSTALLATION SPECIFICATIONS							
AC output cord size / AWG range	3/4" minimum / 16-6 AWG						
DC input cord size / # of strings / AWG range	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG	3/4" minimum / 1-2 strings / 16-6 AWG
Dimensions with Safety Switch (WxHxD)	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4	30.5 x 12.5 x 7.2 / 7.75 x 31.5 x 18.4
Weight with Safety Switch	51.2 / 23.2	51.2 / 23.2	51.2 / 23.2	51.2 / 23.2	51.2 / 23.2	51.2 / 23.2	51.2 / 23.2
Connection	Natural Connection	Natural Connection	Natural Connection	Natural Connection	Natural Connection	Natural Connection	Natural Connection
Noise	< 25	< 25	< 25	< 25	< 25	< 25	dBA
Min. Max. Operating Temperature	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶	-13 to +140 / 25 to +40 (40 to 480 version available) ⁶
Protection Rating	NEMA 3R						

RoHS

Brayden Automation Corp • 6230 Aviation Circle • Loveland, CO 80538 • (888) BRAYDEN (272-9336) • www.energysentry.com

DEMAND MANAGER
(UNPAINTED: WILL BE MOUNTED IN MECHANICAL YARD AND WILL BE SCREENED FROM VIEW REF. 2/A300 ELEVATION FOR LOCATION)

Helping you use energy more efficiently

9388A

Demand Management System

Keep Money in your pocket by Lowering your Electric Bills!

Reliable • Quality • Easy to Use

Brayden Automation's Energy Sentry Residential Demand Management Systems give you the power to monitor and control your high demand peaks. With over 30 years of experience, we take pride in our expert knowledge and top-notch customer service – not to mention the most durable, user-friendly demand management systems in the industry. The Energy Sentry is the leader in controlling demand peaks and, to find the best solution for your needs and applications, we'll build and customize a 9388A especially for you.

Call anytime - we'd be happy to discuss how the 9388A can help you save!

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Change your electric demand, not your electric use

To reduce your energy costs, you might be switching off unnecessary lights and turning down your heat. While important efforts in energy conservation, these actions may have little effect on your energy bills.

Why?

Because electric companies care not only about how much you use, but when you use it. Many electric companies charge their customers according to "Time-of-Use Demand Rates". These rates charge more for electric use during on-peak periods, those times of day when the electric company is being asked to supply the most energy. Consequently, when your household's peak electric demand increases, you most often see several appliances and temperature control units operating at one time, your electric costs significantly increase!

However, there is a way to use these rates to your advantage and protect against increasing costs. If you manage your load during on-peak times and shift some of your use from on-peak to off-peak periods, you could lower your electric costs without having to change your overall electric use.

How can you control your electric demand without having to personally look out for what appliances are being used and when?

Invest in an Energy Sentry 9388A: a state-of-the-art demand controller that saves you money by monitoring your electric demand and keeping that demand below a limit you set.

Easier than adjusting your thermostat

Simply set your Energy Sentry to a suitable on-peak demand limit for your home and the current season. After that, the Energy Sentry does the rest!

The Energy Sentry continuously monitors the electric demand in your household. As you turn on electrical equipment and appliances, your electric demand rises. When your predetermined demand limit is about to be exceeded, the 9388A Energy Sentry automatically manages major energy users, such as your heating or cooling systems, for short periods of time. Once your electric demand falls back below your limit, the Energy Sentry gradually restores the managed loads. You control your electric bills while maintaining a comfortable home.

When you buy an 9388A it can be programmed to manage energy users according to your own priorities. You decide whether you want the heat or air conditioning to be turned off first or last. Demand limits can be set not only for on-peak periods but for off-peak periods, including weekends and holidays. The Energy Sentry can be programmed to adjust itself to daylight savings time, if applicable, and to seasonal rate changes at the start of summer and winter.

The quality of your comfort is never compromised

Don't worry! The Energy Sentry won't turn off your computer or change the temperature in your home. The electricity supplied through your wall outlets is not controlled, so your lights and plug-in appliances will never be affected. Also, the Energy Sentry can be programmed with a control strategy that matches your specific needs. For example, with a rotating strategy, the heat or air conditioning in each room would be turned off for only a few minutes at a time. As a result, you receive a decrease in your electric demand without a decrease in your comfort. In fact, with an Energy Sentry managing your demand, you may experience an increase in comfort. That's because you will no longer have to adjust the thermostat in an effort to save money. Be prepared to enjoy a new peace of mind caused by the freedom from worrying about an unexpectedly high electric demand running up your bills, and being able to budget for your electric costs well in advance.

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Working together to save your Money & your Earth

The 9388A Energy Sentry is both a financial and an environmental investment. You'll save 10% to 40% each month on your electric bills, with annual savings of about 25% to 35%. After 3^{1/2} to 3 years, the unit will have paid for itself. And it's quality design and manufacturing will save you money for years to come.

As more people in your neighborhood install an Energy Sentry, your community's demand for electricity declines. Your electric company will be able to reduce it's fuel consumption because it is able to operate at a more efficient level. This translates to savings which may be passed on to you. Also, pollution decreases, air quality improves, and our earth's resources are conserved.

*Savings may vary due to different circumstances in each household.

Specifications

Electrical	120VAC @ 25 Amp MAX
Voltage Input:	0-200 mA
Current Transformer Input:	9388A: 40KW or 80 KW
Demand Limit Ranges:	.5KW on 40KW, 1KW on 80KW
Demand Limit Resolution:	.1KW
Demand Display Resolution:	15, 30, 60 min.
Demand Averaging Period:	Internal
Demand Calculation Update:	<1 sec.
Audible Short Circuit Alarm:	Internal with On/Off Selection
External Alarm Output:	1 optional alarm output
Relay Outputs:	8, expandable to 16
Relays:	2 internal SPST-NC low-power outputs 3 Amps @ 30VAC/DC Available with up to eight 30 Amp DPST-NC relays rated @ 300VAC to control up to 16 circuits Low power 3 Amp relay relays for HVAC control circuits also available Powerline carrier system available
Standard Relay Configuration:	4 DPST-NC 30A/300VAC 2 SPST-NC 35A/300VAC
System Settings Memory:	Non-volatile EEPROM/Battery Backed RAM
Mechanical	12" H x 10" W x 4" D NEMA 3R 18" H x 12" W x 4" D NEMA 1 .600 steel housing with hinged cover door for easy access to connections on NEMA 3R Hinge door optional on NEMA 1 Enclosure
Size:	16 lbs.
Enclosure:	All specifications are subject to change without notice.
Weight:	

maindenresidence
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SPECIFICATIONS

02.20.19

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