

MODULE : (22) APTOS SOLAR MODULES : DNA-144-BF26-365
INVERTER : (11) CHILICON POWER CP-720-72/96-240-MC4
DC SYSTEM SIZE: 8.03 kW



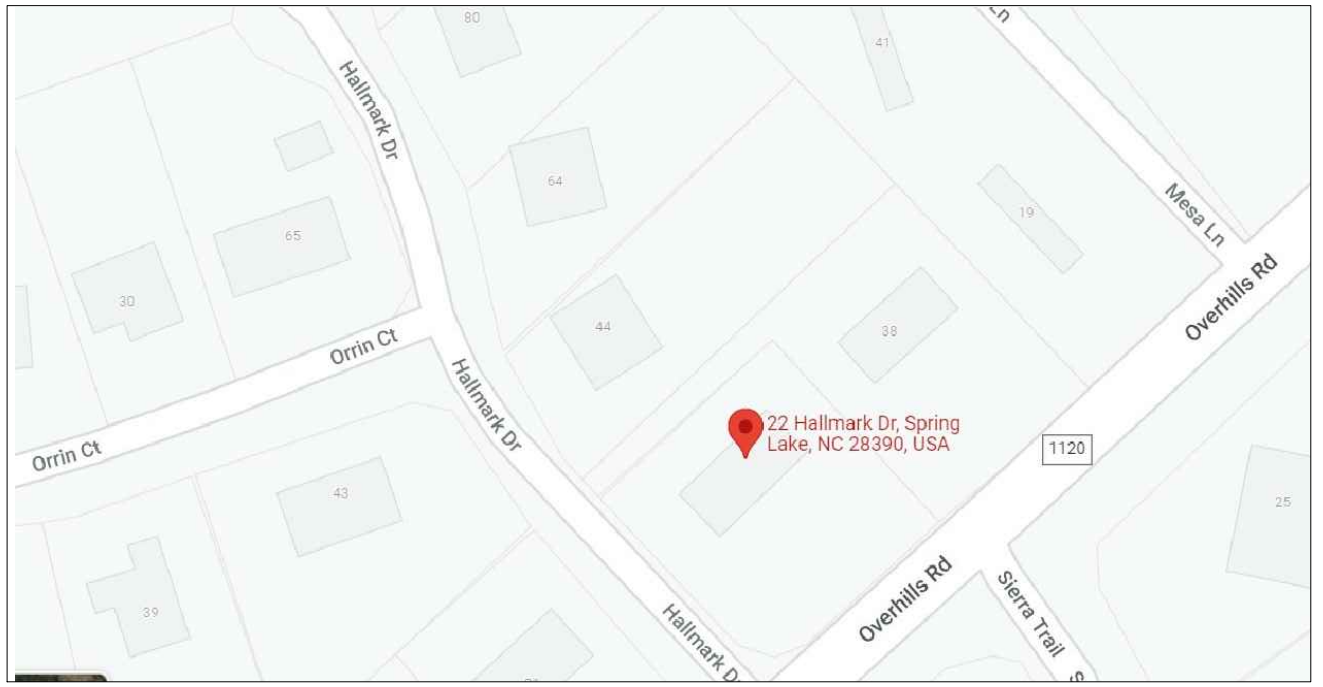
- Notes:
- THIS PROJECT SHALL COMPLY WITH THE 2018 NORTH CAROLINA RESIDENTIAL CODE AND THE 2018 NORTH CAROLINA UNIFORM STATEWIDE BUILDING CODE (USBC) WHICH INCLUDES THE 2018 NCCC, 2018 NCEBC AND THE 2018 NCMC
 - ALL ELECTRICAL WORK SHALL BE DESIGNED PER LATEST NATIONAL, STATE AND LOCAL ELECTRICAL CODE.**
 - 110.2 APPROVAL : ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION.PV EQUIPMENT, SYSTEMS AND ALL ASSOCIATED WIRING AND INTERCONNECTIONS SHALL ONLY BE INSTALLED BY QUALIFIED PERSONS.**
 THIS IS A (22) MODULE SOLAR ELECTRIC PROJECT USING APTOS SOLAR MODULES : DNA-144-BF26-365 365(WATT)
 - THIS SYSTEM USES (11) CHILICON POWER CP-720-72/96-240-MC4 INVERTERS.
 - NO BATTERY BACKUP OR UPS IS USED IN THIS SYSTEM.
 - THIS SYSTEM IS A 8.03 kW USING UNIRAC RAKING AT A 18 PITCH.
 - NO ALTERATIONS TO EXISTING DWELLING, THIS BUILDING IS A 1 STORY HOUSE.
 - LOCAL UTILITY PROVIDED SHALL BE NOTIFIED PRIOR TO USE AND ACTIVATION OF ANY SOLAR PV INSTALLATION.
 - NO SHEET METAL OR TECH SCREWS SHALL BE USED TO GROUND DISCONNECT ENCLOSURE WITH TIN-PLATED ALUMINUM LUGS; PROPER GROUNDING/GROUND BAR KITS SHOULD BE USED.
 - ALL ELECTRICAL EQUIPMENT SHALL BE 3 FEET FROM GAS METER.

SHEET NO	DRAWING INFO
PV-1	COVER SHEET
PV-2	LAYOUT
PV-3	STRUCTURE
PV-4	WIRING
PV-5	SIGNAGE

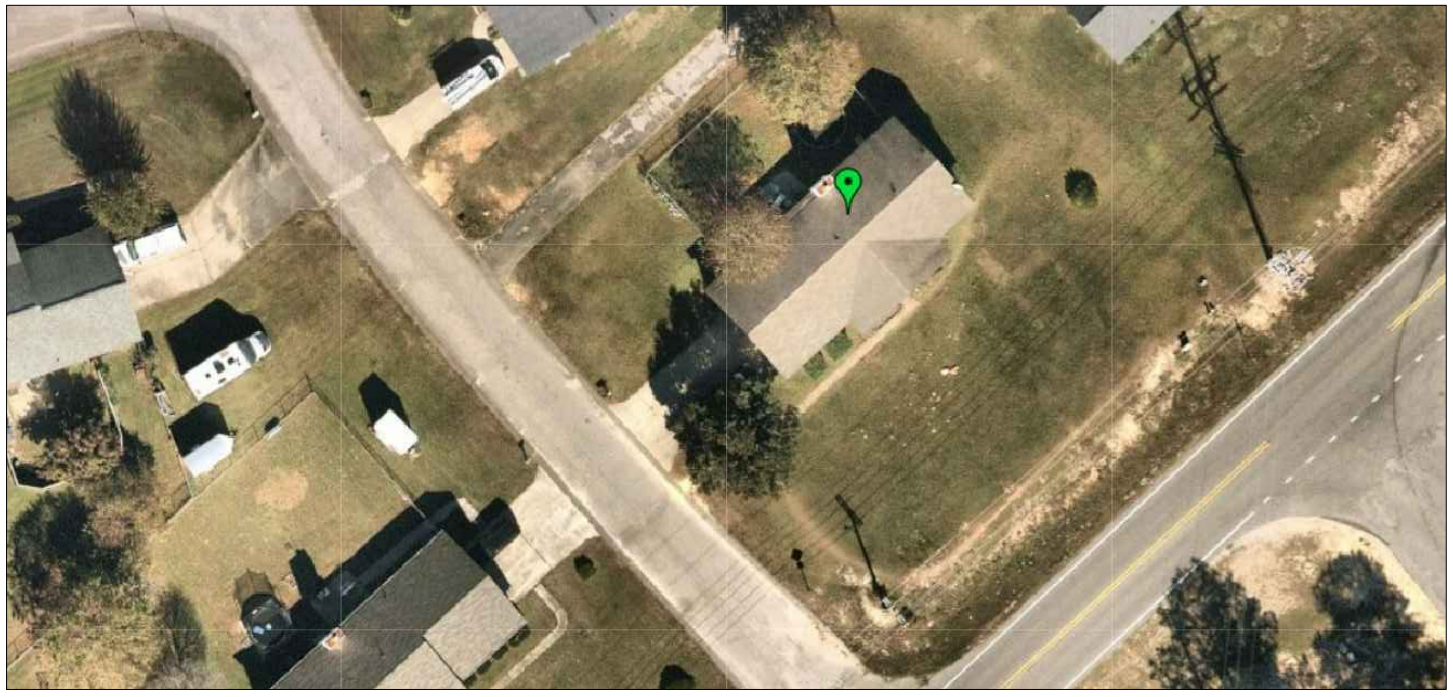
LEGEND

- ROOF OUTLINE
- ⊗ ○ ROOF VENT/MECHANICAL
- SOLAR MODULE (69"x41")
- ⊕ PV STAND-OFF/PENETRATION
- - CONDUIT RUN

VICINITY MAP



SATELLITE MAP



SOLAR TYME
 6710 JEFFERSON HWY
 RICHMOND, VA 23237
 LICENSE #2705036452

JENNIFER FENMORE
 22 HALLMARK DR
 SPRING LAKE, NC 28390

REV 1
 Designed by BB
 Issue Date 18-Feb-22
 Drawing Cover Sheet
 Drawing PV-1



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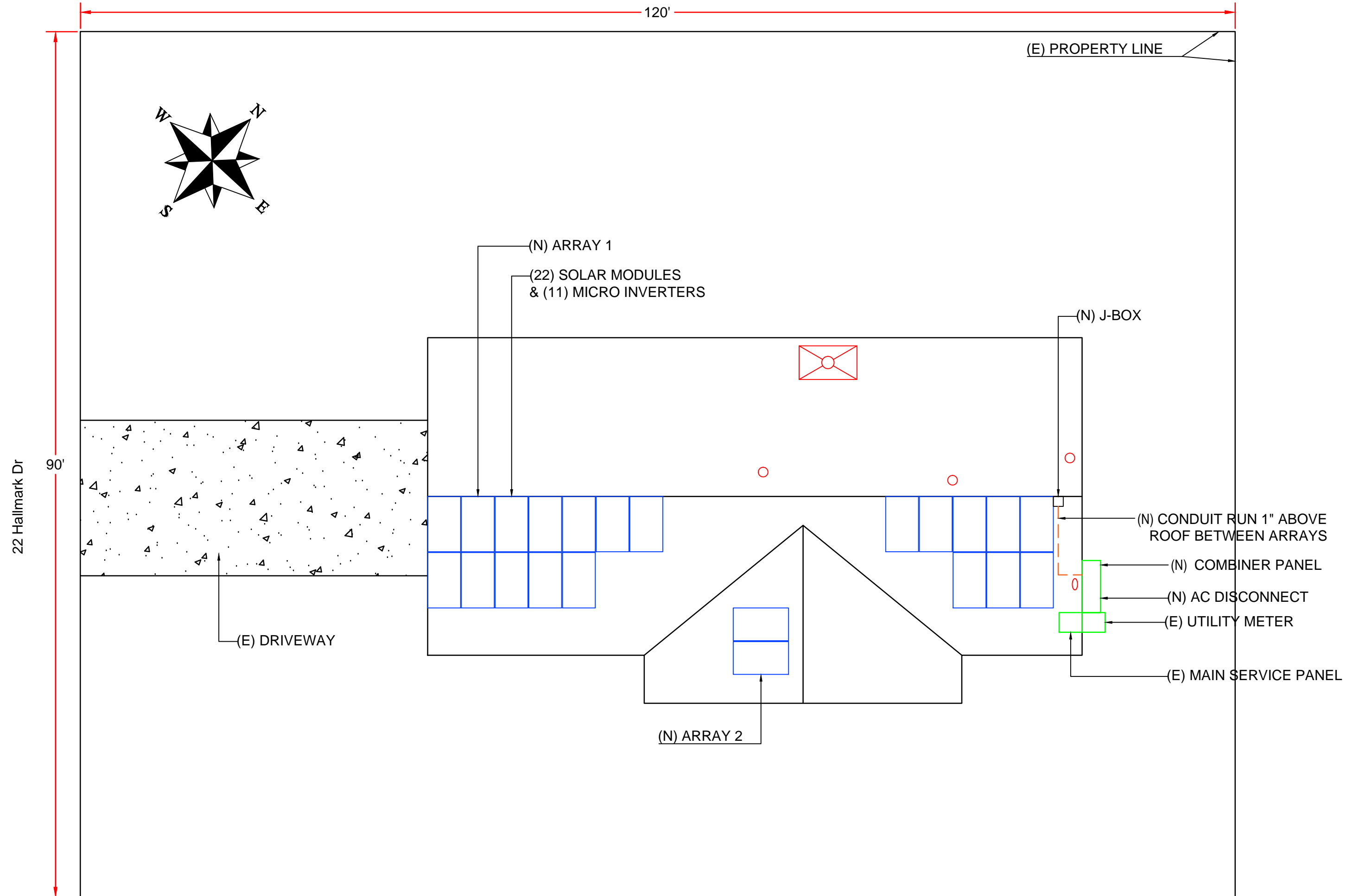
REV 1

Designed by
BB

Issue Date
18-Feb-22

Drawing
Layout

Drawing
PV-2

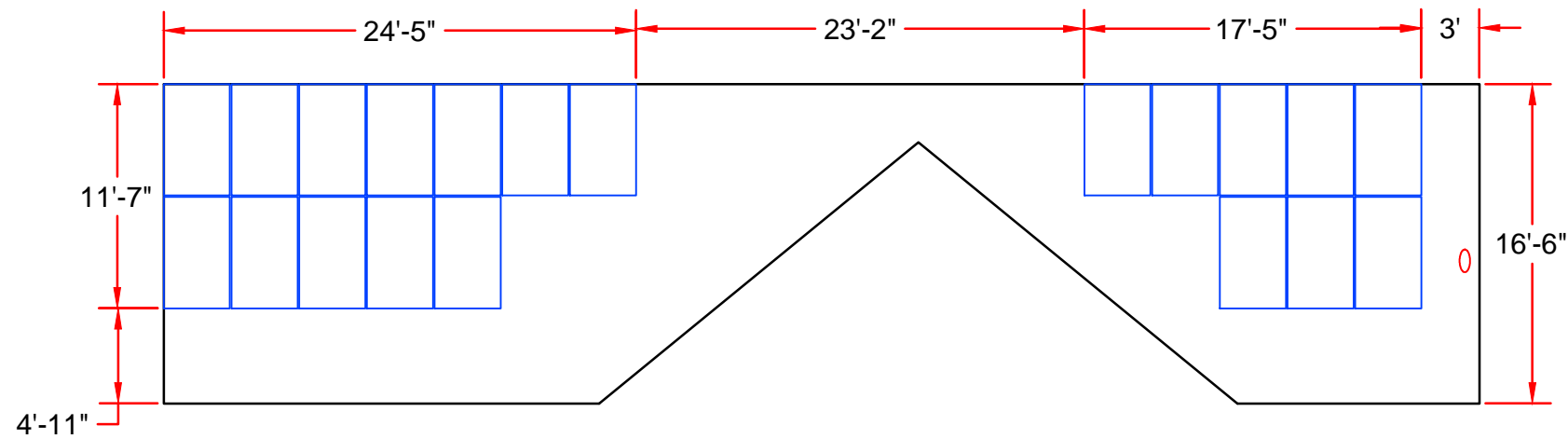


SCALE:27

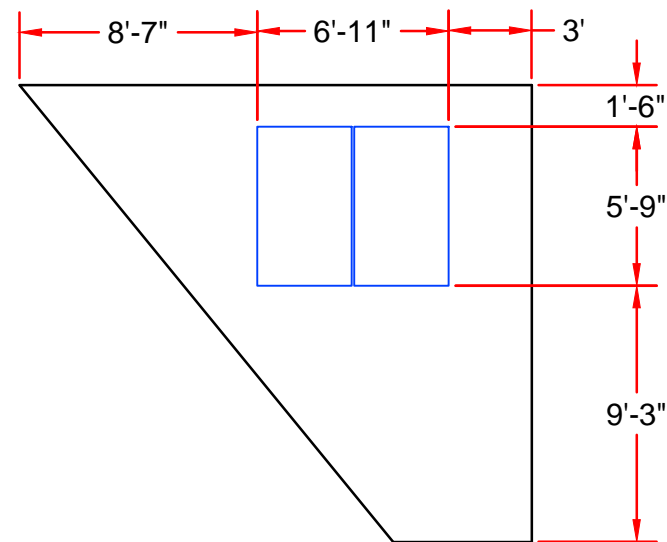
ROOF NOTES:

1. THE ROOF MODULES WILL NOT COVER ANY PLUMBING OR MECHANICAL VENTS
2. THIS SYSTEM IS ON COMP SHINGLE ROOF AT A **18** PITCH WITH **2x4TRUSSED** AT **24"** O.C.
3. THIS ROOF HAS **1** LAYERS OF COMP SHINGLES.
4. THESE BUILDINGS ARE **1** STORY HOUSES AND GARAGE.
5. NO ATTACHMENTS SHALL BE MADE WITHIN 6 INCHES OF ALL NAILING PLATES.
6. ALL WIRING SETBACK ON THE ROOF IS IN 3/4" EMT AND 4" ABOVE THE ROOF.
7. ALL LAG SCREWS SHALL HAVE A MINIMUM EMBEDMENT OF 2.5"
8. MAX CANTILEVER SHALL BE 18" OR AS SPECIFIED ON PLANS.
9. ALL RAILS TO BE LEVELED.
10. ALL CONNECTIONS SHALL BE SEALED WITH WATERPROOF SEALANT.
11. PROVIDE 3/16" PILOT HOLE PRIOR TO INSTALLATION OF 5/16 LAG SCREW

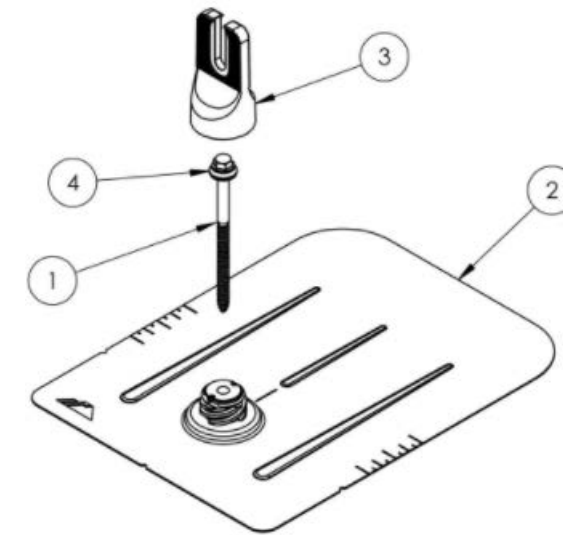
SCALE: 3/16" = 1'-0":ARRAY 1



SCALE: 3/16" = 1'-0":ARRAY 2

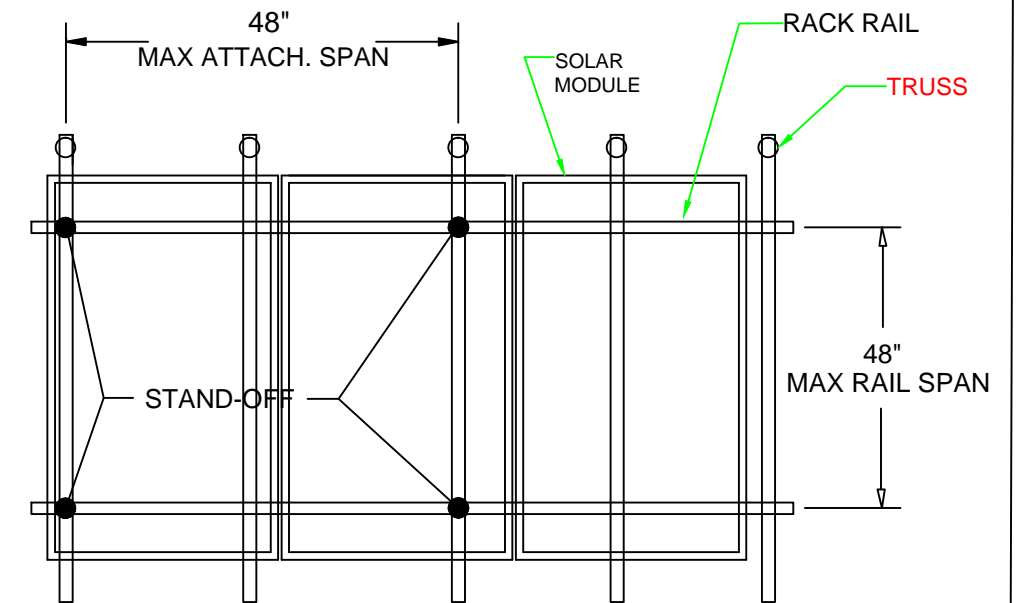


MODULE ATTACHMENT



ITEM NO.	DESCRIPTION
1	BOLT LAG 5/16 X 4.75"
2	ASSY, FLASHING
3	ASSY, CAP
4	WASHER, EPDM BACKED

ROOF ATTACHMENT



PER ASCE 7-16
 WIND SPEED = 120 mph
 SNOW LOAD = 10 lb/sqft



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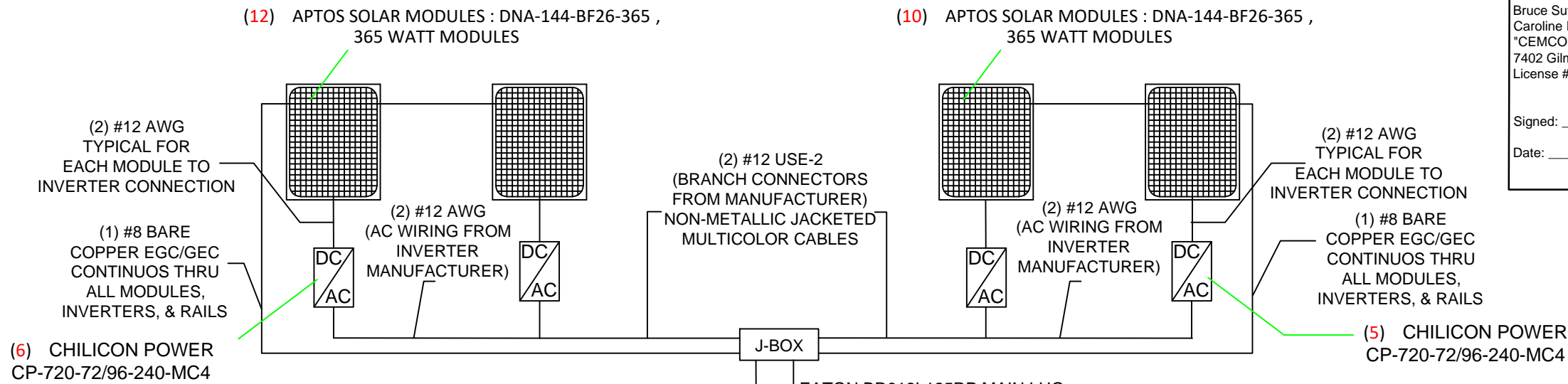
REV 1

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Issue Date
18-Feb-22

Drawing
 Structure

Drawing
 PV-3



Electrical Contractor / Tradesman:
 Bruce Sutton Brown
 Caroline Electrical & Mechanical Co.,
 "CEMCO"
 7402 Gilmore Dr., Wilmington, NC 28411
 License # 1.23104

Signed: _____
 Date: _____

- NOTES:
- ALL PV SYSTEM COMPONENT SHALL BE LISTED BY A RECOGNIZED TESTING AGENCY (i.e., UL 1741, ETC)
 - WIRING MATERIAL SHALL BE SUITABLE FOR THE SUN EXPOSURE AND WET LOCATIONS. FIELD APPLIED PROTECTIVE COATINGS ARE NOT ACCEPTABLE
 - WHERE THE TERMINAL OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A WARNING SIGN SHALL BE MOUNTED ON OR ADJACENT TO THE DISCONNECTING MEANS HAVING THE FOLLOWING WORDS: "WARNING-ELECTRIC SHOCK HAZARD, DO NOT TOUCH TERMINALS. TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION"
 - SIGNS SHALL BE POSTED ADJACENT TO EACH PV DISCONNECT AND INVERTER TO INDICATE "PHOTOVOLTAIC SYSTEM"
 - ALL PV MODULES AND ASSOCIATED EQUIPMENT AND WIRING MATERIAL SHALL BE PROTECTED FROM PHYSICAL DAMAGE
 - ALL FIELD INSTALLED JUNCTION, PULL AND OUTLET BOXES LOCATED BEHIND MODULES OR PANEL SHALL BE ACCESSIBLE DIRECTLY OR BY DISPLACEMENT OF A MODULE(S) OR PANEL(S) SECURED BY REMOVABLE FASTENERS
 - EACH SIDE OF A POWER TRANSFORMER SHALL BE CONSIDERED AS PRIMARY AND PROTECTED IN ACCORDANCE WITH NEC 2014
 - REMOVAL OF INVERTER OR OTHER EQUIPMENT SHALL NOT DISCONNECT THE BONDING CONNECTION BETWEEN THE GROUNDING ELECTRODE CONDUCTOR AND THE PHOTOVOLTAIC SOURCE AND/OR OUTPUT CIRCUIT GROUNDED CONDUCTOR
 - THE OVER-CURRENT PROTECTION OF OUTPUT CIRCUITS WITH INTERNAL CURRENT LIMITING DEVICES SHALL BE NOT LESS THAN 125% OF THE MAXIMUM LIMITED CURRENT OF THE OUTPUT CIRCUIT. THE CONDUCTORS IN SUCH AN OUTPUT CIRCUIT SHALL BE SIZED IN ACCORDANCE WITH NEC 2014.
 - PHOTOVOLTAIC SOURCE CIRCUITS, OUTPUT CIRCUITS, INVERTER OUTPUT CIRCUITS AND EQUIPMENT SHALL BE PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC 2014.
 - MODULES FRAMES AND RACKING SYSTEMS SHALL BE GROUNDED AT UL-LISTED LOCATIONS PROVIDED BY THE MANUFACTURER USING UL LISTED GROUNDING LUGS. THE REMOVAL OF THE ONE PANEL SHALL NOT INTERRUPT THE CONTINUITY OF THE GROUNDING SYSTEM FOR THE REST OF THE PANELS OR RACKING SYSTEM. NEC 2014 690.64(B)(2)
 - ALL NEC REQUIRED PV SIGNAGE (690.17, 690.53, 690.56, 705.10) WILL BE POSTED.
 - IF AN EXISTING GROUND ROD IS PRESENT, AN ADDITIONAL GROUND ROD WILL BE PLACED LESS THAN 6 FEET AWAY.
 - IF THE EXISTING MAIN SERVICE PANEL DOES NOT HAVE A VIABLE GROUNDING ELECTRODE, IT IS THE PV CONTRACTOR'S RESPONSIBILITY TO INSTALL A SUPPLEMENTAL GROUNDING ELECTRODE.
 - ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.

SYSTEM OUTPUT:
 DC (STC) RATING: 8.03 kW
 (22) APTOS SOLAR MODULES : DNA-144-BF26-365 , 365 WATT MODULES
 (11) CHILICON POWER CP-720-72/96-240-MC4

PV SYSTEM CALCULATIONS:

DC SIDE
 MAXIMUM DC SYSTEM VOLTAGE:
 43.4x1.12=48.60V
 MAXIMUM PER DC SOURCE CIRCUIT CURRENT:
 9.58x1.25x1.25=14.97A

AC SIDE
 MAXIMUM AC SYSTEM VOLTAGE: 240V
 BRANCH #1
 3x6x1.25=22.50A,30A
 BRANCH #2
 3x5x1.25=18.75A,30A
 MAXIMUM AC CURRENT FOR OVER-CURRENT PROTECTION:
 3x11x1.25=41.25A,60A

MODULE INFORMATION
 APTOS SOLAR MODULES : DNA-144-BF26-365
 PEAK POWER: 365 WATTS
 Voc: 43.4Vdc Isc: 9.58A
 Vpm: 35.8Vdc Imp: 9.09A
 TYPE 1 (UL 1703) OR CLASS C (IEC 61730)
 MAX SERIES FUSE RATING 15A

INVERTER INFORMATION
 CHILICON POWER CP-720-72/96-240-MC4
 8.34"x6.89"x1.19" 2.38 LBS.
 COMPLIANCE: IEEE-1547, UL 1741, CA Rule 21 (UL 1741-SA)
 DC
 DC MAXIMUM VOLTAGE - 48 V
 MAX DC SHORT CIRCUIT CURRENT - 15 A
 PEAK POWER TRACKING VOLTAGE - 27 V- 37 V
 MIN/MAX PV START VOLTAGE - 22V/48V
 AC
 MAXIMUM OUTPUT POWER - 240VA
 OPERATING RANGE, UTILITY VOLTAGE - 211 - 264V @ 240V
 MAXIMUM CONTINUOUS OUTPUT CURRENT - 1.0A @ 240V
 FREQUENCY OPERATING RANGE - 60 HZ / 47 - 68 HZ
 MAXIMUM EFFICIENCY - 97%



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REV 1

Designed by
 BB

Issue Date
 18-Feb-22

Drawing
 Wiring

Drawing
 PV-4

SIGNAGE

CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED

TO BE PLACED ON ALL INTERIOR & EXTERIOR PV CONDUITS, RACEWAYS, ENCLOSURE, CABLE ASSEMBLES, EVERY 10 FEET, 1' FROM TURNS AND ABOVE AND BELOW PENETRATIONS AND ALL DC COMBINER AND JUNCTION BOXES

PHOTOVOLTAIC POWER SOURCE

OPERATING AC VOLTAGE: **240 V**

MAXIMUM OPERATING AC OUTPUT CURRENT: **41.25 A**

TO BE PLACED ON MAIN SERVICE PANEL

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TO BE PLACED ON MAIN SERVICE PANEL

PHOTOVOLTAIC SYSTEM COMBINER PANEL DO NOT ADD LOADS

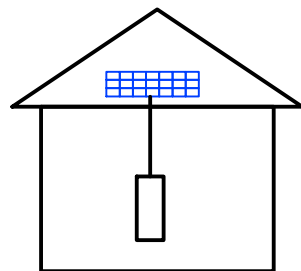
TO BE PLACED ON SOLAR SUB PANEL

RAPID SHUT DOWN SWITCH FOR SOLAR PV SYSTEM

TO BE PLACED ON AC DISCONNECT

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUTDOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY



LABEL FOR PV SYSTEMS THAT SHUT DOWN

NOTES:
THE ARRAY AND THE CONDUCTORS LEAVING THE ARRAY
ALL LABELS WILL BE ON RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT
ALL LABELS SHALL HAVE A RED BACKGROUND WITH MIN. 3/8" WHITE LETTERING

WARNING
ELECTRICAL SHOCK HAZARD
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.

TO BE PLACED ON DISCONNECT

WARNING
DUAL POWER SUPPLY
SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

TO BE PLACED ON MAIN SERVICE PANEL

WARNING: PHOTOVOLTAIC POWER SOURCE

TO BE PLACED ON MAIN SERVICE PANEL

PHOTOVOLTAIC SYSTEM
AC DISCONNECT

WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM
ELECTRIC SHOCK HAZARD

DO NOT TOUCH TERMINALS
TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.

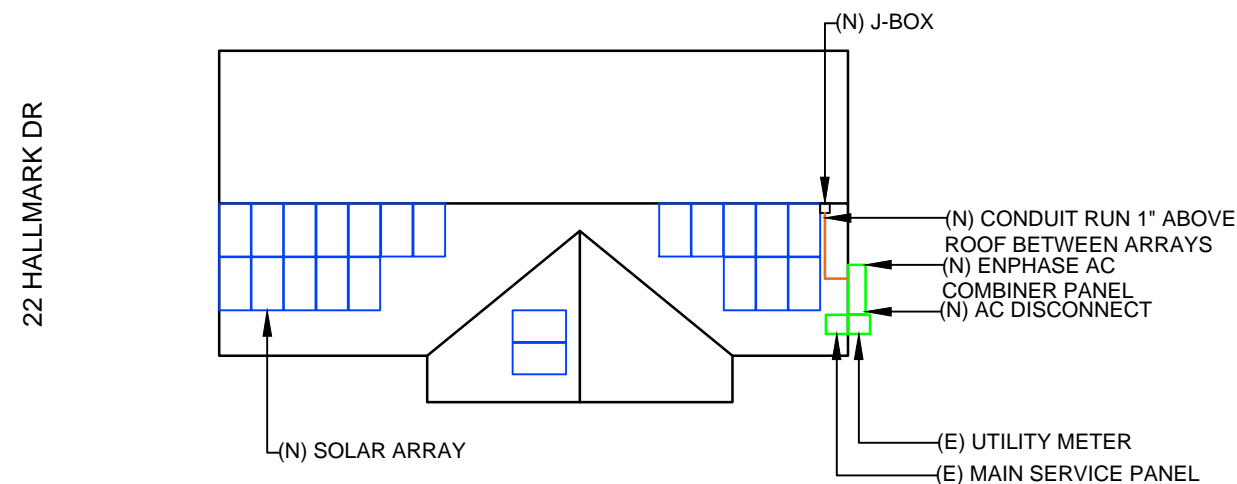
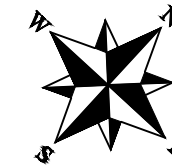
OPERATING VOLTAGE: **240 VOLTS**
OPERATING CURRENT: **41.25 AMPS**

TO BE PLACED ON DISCONNECT

SOLAR PV BREAKER
BREAKER IS BACKFED
DO NOT RELOCATE

TO BE PLACED INSIDE MAIN SERVICE PANEL
NEXT TO SOLAR BREAKER

CAUTION:
POWER TO THIS BUILDING IS ALSO SUPPLIED FROM A PHOTOVOLTAIC SYSTEM WITH DISCONNECTS LOCATED AS SHOWN



TO BE PLACED ON MAIN SERVICE PANEL



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REV 1

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Issue Date
18-Feb-22


Drawing
Signage


Drawing
PV-5


Residential | Commercial

Designed & Engineered in Silicon Valley 370W | 365W | 360W

Our DNA™ Split Cell Series impressively combines advanced solar technologies to maximize performance. Our patented Dual Nano Absorber (DNA™) Technology allows the panel to operate at high-efficiencies in extreme temperatures. Contact our sales team today to learn more about our line of high-efficiency solar panels.

 Patented DNA™ technology boosts power performance & module efficiency

 Advanced split cell technology with 9 ultra-thin busbars allows for less resistance and more photon capture

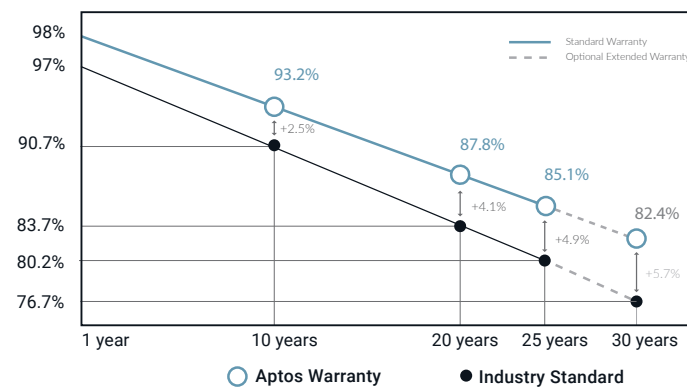
 Ideal solution for applications affected by shading

 All-black design for pristine aesthetics
No excessive silver bussing or ribbons

 Robust product design is resilient in extreme weather. Up to 5400 Pa snow load and 210 mph wind speeds



Linear Performance Warranty



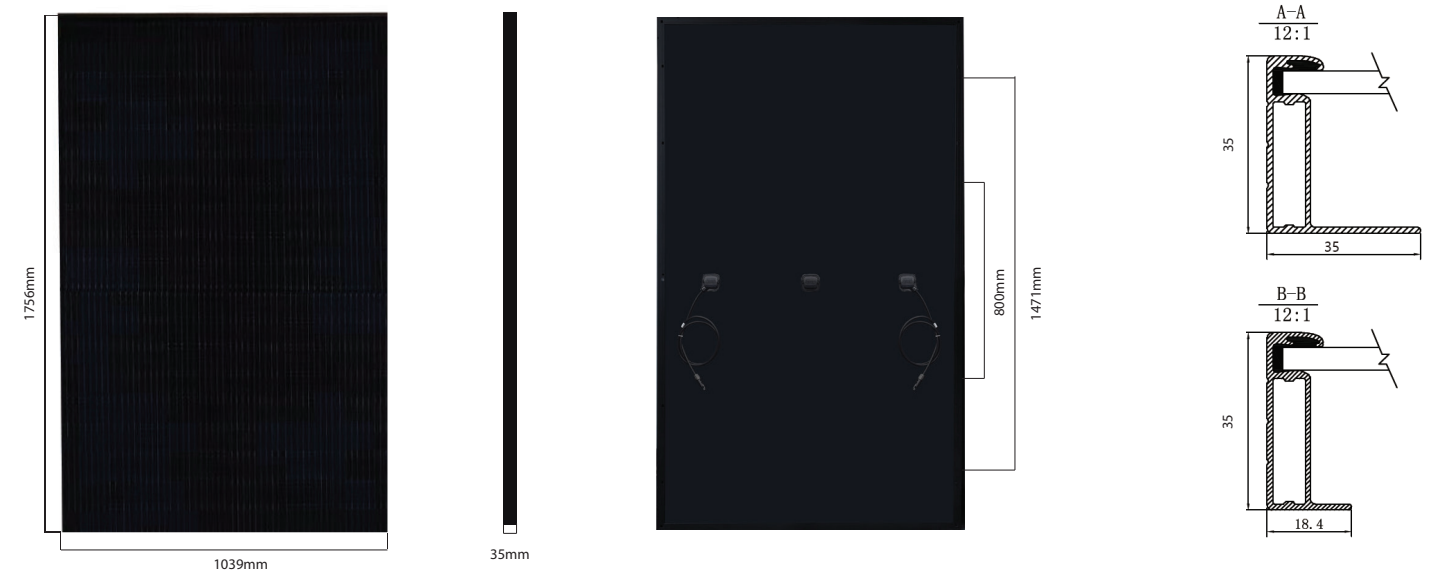
30 Year Warranty

3X IEC Standards

RETC Top Performer



3140 De La Cruz Blvd., Ste 200
Santa Clara, CA 95054
www.aptossolar.com
info@aptossolar.com



Electrical Specifications

	DNA-120-MF26-360W	DNA-120-MF26-365W	DNA-120-MF26-370W
STCrated Output P_{mmp} (W)	360W	365W	370W
Module Efficiency	19.73%	20.01%	20.29%
Open Circuit Voltage V_{voc} (V)	40.6	40.7	40.8
Short Circuit Current I_{sc} (A)	11.24	11.36	11.51
Rated Voltage V_{mmp} (V)	33.8	33.96	34.06
Rated Voltage I_{mmp} (A)	10.66	10.75	10.87

Standard Test Conditions for front-face of panel: 1000 W/m², 25°C, measurement uncertainty $\pm 3\%$

Temperature Coefficients

Temperature Coefficients P_{mmp}	-0.36%
Temperature Coefficients I_{sc}	+0.05%/°C
Temperature Coefficients V_{oc}	-0.29%/°C
Normal Operating Cell Temperature (NOCT)	44°C

Test Operating Conditions

Maximum Series Fuse	20A
Maximum System Voltage	1,500 VDC (UL&IEC)
Maximum Load Capacity (Per UL 1703)	5400 PA Snow Load / 210mph Wind Rating
Fire Performance Class	Class C/Type 1

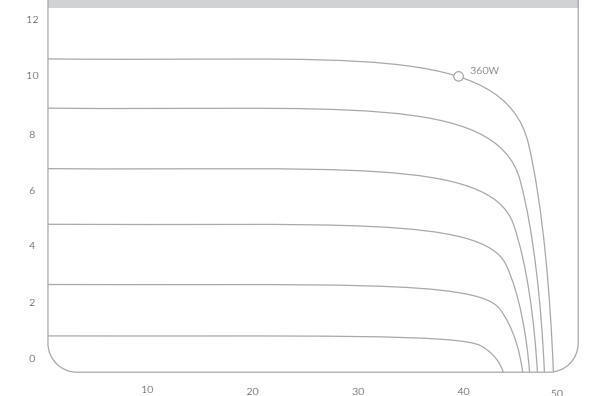
Packaging Configuration

Number of Modules per Pallet	30
Number of Pallets per 40ft. Container	26
Pallet Dimensions	1740 X 1140 X 1165
Pallet Weight (kg)	640
Container Weight (kg)	16640

Mechanical Properties

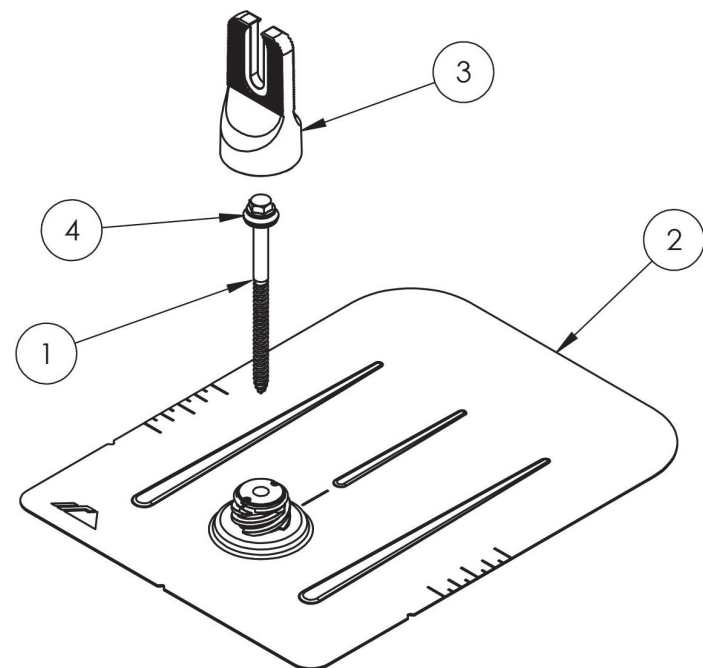
Cell Type	Monocrystalline
Glass	3.2mm, anti-reflection coating, high transmission, low iron, tempered glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Dimensions	1756 X 1039 X 35mm
Output Cable	4mm ² (EU)12AWG,39.37in.(1200mm)
Weight	45.19lbs.(20.5kg)
Cable Length	1200mm
Encapsulant	POE

I-V Curve



Certifications



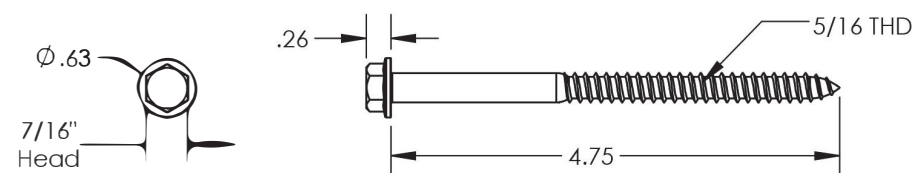


ITEM NO.	DESCRIPTION
1	BOLT LAG 5/16 X 4.75"
2	ASSY, FLASHING
3	ASSY, CAP
4	WASHER, EPDM BACKED

FLASHFOOT 2

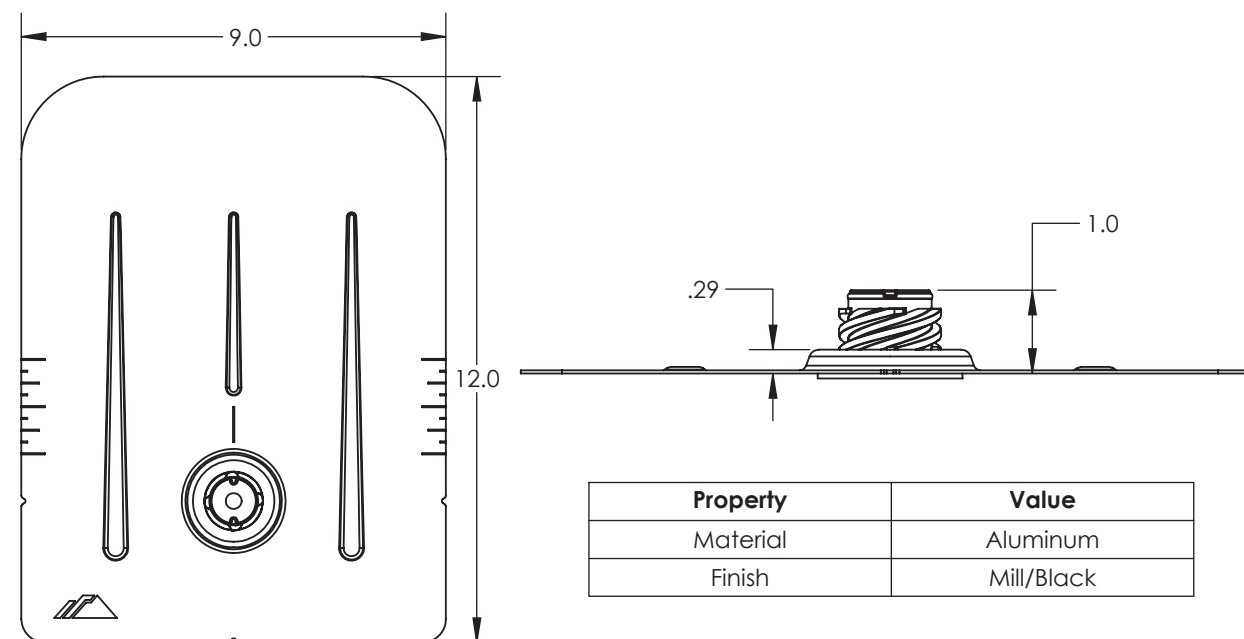
Part Number	Description
FF2-01-M1	FLASHFOOT2, MILL
FF2-01-B1	FLASHFOOT2, BLACK

1) Bolt, Lag 5/16 x 4.75



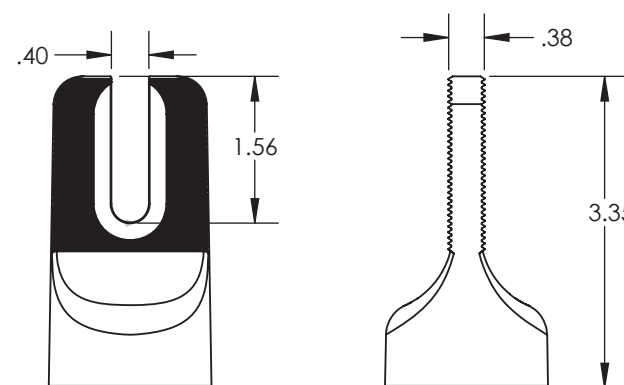
Property	Value
Material	300 Series Stainless Steel
Finish	Clear

2) Assy, Flashing



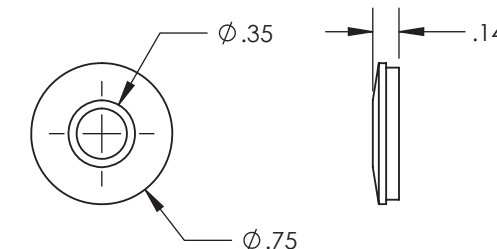
Property	Value
Material	Aluminum
Finish	Mill/Black

3) Assy, Cap



Property	Value
Material	Aluminum
Finish	Mill/Black

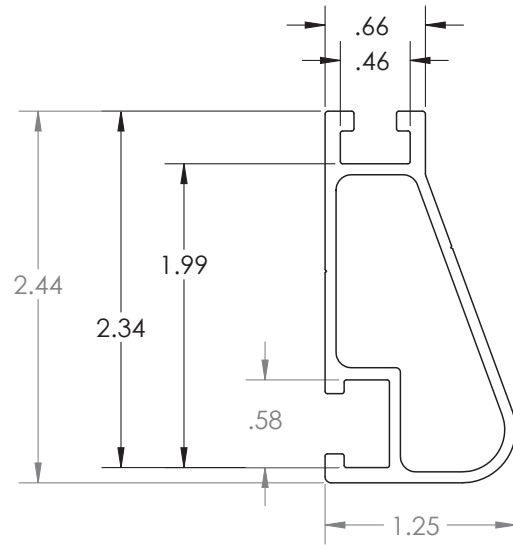
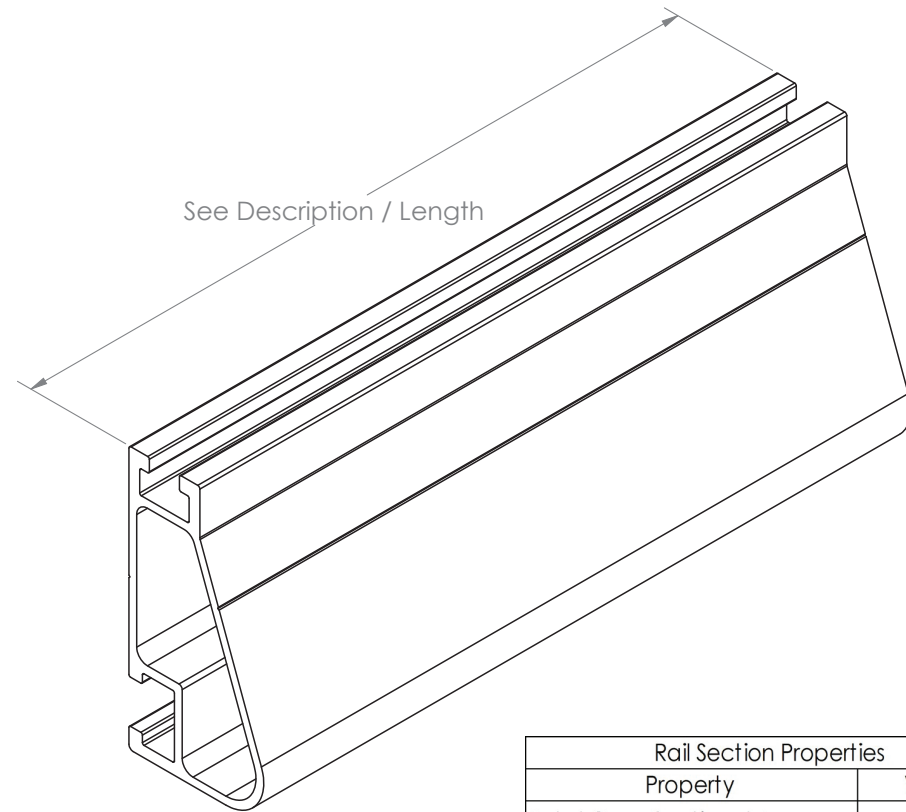
4) Washer, EPDM Backed



Property	Value
Material	300 Series Stainless Steel
Finish	Clear



XR100 Rail



Rail Section Properties	
Property	Value
Total Cross-Sectional Area	0.582 in ²
Section Modulus (X-axis)	0.297 in ³
Moment of Inertia (X-axis)	0.390 in ⁴
Moment of Inertia (Y-axis)	0.085 in ⁴
Torsional Constant	0.214 in ³
Polar Moment of Inertia	0.126 in ⁴

APPROVED MATERIALS:
 6005-T6, 6005A-T61, 6105-T5, 6N01-T6
 (34,000 PSI YIELD STRENGTH MINIMUM)

Clear Part Number	Black Part Number	Description / Length	Material	Weight
XR-100-132A	XR-100-132B	XR100, Rail 132" (11 Feet)	6000-Series Aluminum	7.50 lbs.
XR-100-168A	XR-100-168B	XR100, Rail 168" (14 Feet)		9.55 lbs.
XR-100-204A	XR-100-204B	XR100, Rail 204" (17 Feet)		11.60 lbs.

CHILICON POWER CP-720

Dual Panel Microinverter



CP-720™ Series Microinverters

The Chilicon CP-720 allows installers to maximize PV system production, while minimizing installation and operational costs. Microinverter based architectures offer the benefit of increased flexibility in module deployment, while also providing per module visibility to simplify system O&M. With its all-AC approach, integrated grounding, modular bus cabling, and ability to support up to 20 modules on a 30A branch circuit, the CP-720 simplifies both design and installation. Both freq-Watt and volt-Watt modes allow AC control in off-grid battery or generator systems. Coupled with the CP-100 gateway and cloud-based monitoring software, the CP-720 can form the energy management backbone of both residential and commercial PV systems.

Performance

- Supports up to 840W with no clipping (or 2x420W)
- Maximizes energy production over life of system
- Minimizes losses due to shading and debris
- Eliminates single point of failure for system

Simplicity

- All AC design – No string calculations needed
- No GEC needed for microinverters
- Easy installation with standardized trunk cables

Versatility

- Compatible with most 60, 72, 96 & 128 cell panels
- Single SKU 240V or 208V
- Allows for variable module placement
- Robust PLC communication protocol (>500 ft range)
- Self supply mode (zero-export)
- Supports up to 30A branch circuits
- Up to 20 panels possible on one branch circuit

Reliability, Safety, & Compliance

- NEMA 6 rated construction
- 25 year warranty
- AC branch circuits will not support arc faults
- Quick disconnect circuit to mitigate grid instabilities
- NEC 690.12(B)(2) rapid shutdown compliant
- CA Rule 21 (UL 1741-SA) compliant



CP-720-60/72/96-208/240-MC4 Microinverter Specifications

INPUT DATA (DC)

Recommended input power (STC)	(190 - 450 W) x 2; (380 - 900 W) x 1	
Maximum DC input voltage	120 V	
MPPT voltage tracking range	56 – 82 V	
Operating range	48 – 102 V ¹	
Min./Max. start voltage	55 – 102 V ¹	
Max. DC input short circuit current	16 A	
Max. DC input current	13.5 A	
Ground fault protection	Transformer isolated 2000 Vrms input/output/chassis	

OUTPUT DATA (AC)

	@ 208 V	@ 240 V
Max. continuous output power	713 W	720 W
Max. continuous output current	3.43 A (can be current limited to 2.66 A)	3.0 A (can be current limited to 2.4 A)
Nominal output voltage / range	208 / 183 – 229 V	240 / 211 – 264 V
Extended output voltage range	133 / 150 / 166 – 250 V	153 / 173 / 192 – 288 V
Nominal frequency / range	60.0 / 59.3 – 60.5 Hz	60.0 / 59.3 – 60.5 Hz
Extended frequency range	54.22 – 66.75 Hz ²	54.22 – 66.75 Hz ²
Power factor	-0.6 to 0.6 programmable	-0.6 to 0.6 programmable
Maximum units per 30 A branch circuit	7 (14 modules)/9 ³ (18 modules)	8 (16 modules)/10 ³ (20 modules)
Maximum output overcurrent protection	6.3 A Fuse; 12A peak for 30 uSec	6.3 A Fuse; 12A peak for 30 uSec

EFFICIENCY

CEC weighted efficiency	96.1 %
Peak inverter efficiency	96.7 %
Static MPPT efficiency (EN 50530)	99.5 % - 99.8 %
Night time power consumption	100 mW; Standby Reactive Current < 200mA

MECHANICAL DATA

Ambient temperature range	-40° C to +65° C		
Dimension (W x H x D) (Chassis only)	10" x 8" x 1.8"	MC4 DC leads: 8.75"	Integrated branch cable: 27"
Weight	2 kg (4.4 lbs)		
Enclosure rating	NEMA 6		

FEATURES

Communication	Mesh Networked Power Line (130.2 kHz carrier)
Monitoring	Monitoring via CP-100 gateway and Online Cloud
Certifications	UL1741, IEEE std 1547, IEEE std C62.41.2, CSA C22.2 NO. 107.1 CISPR 22 Class B; HECO Rule14H (Advanced Inverter), HECO Rule 22 (Self-Supply) Rule 21 / UL1741SA; Complies with NEC 690.12(B)(2) Rapid Shutdown Product Warranty 25 Years 2 x Series 60/72 Cell Mono or Poly PV modules 2 x Parallel HV Panasonic Modules; 2 x Parallel 96/128 Cell SunPower Modules
Compatibility (Single SKU)	¹ Maximum DC exposed voltage equals single module Voc when in shutdown ² Supports 50Hz operating in extended mode range (45.2-55.7 Hz) ³ When current limited to 2.66A for 208V or 2.4A for 240V