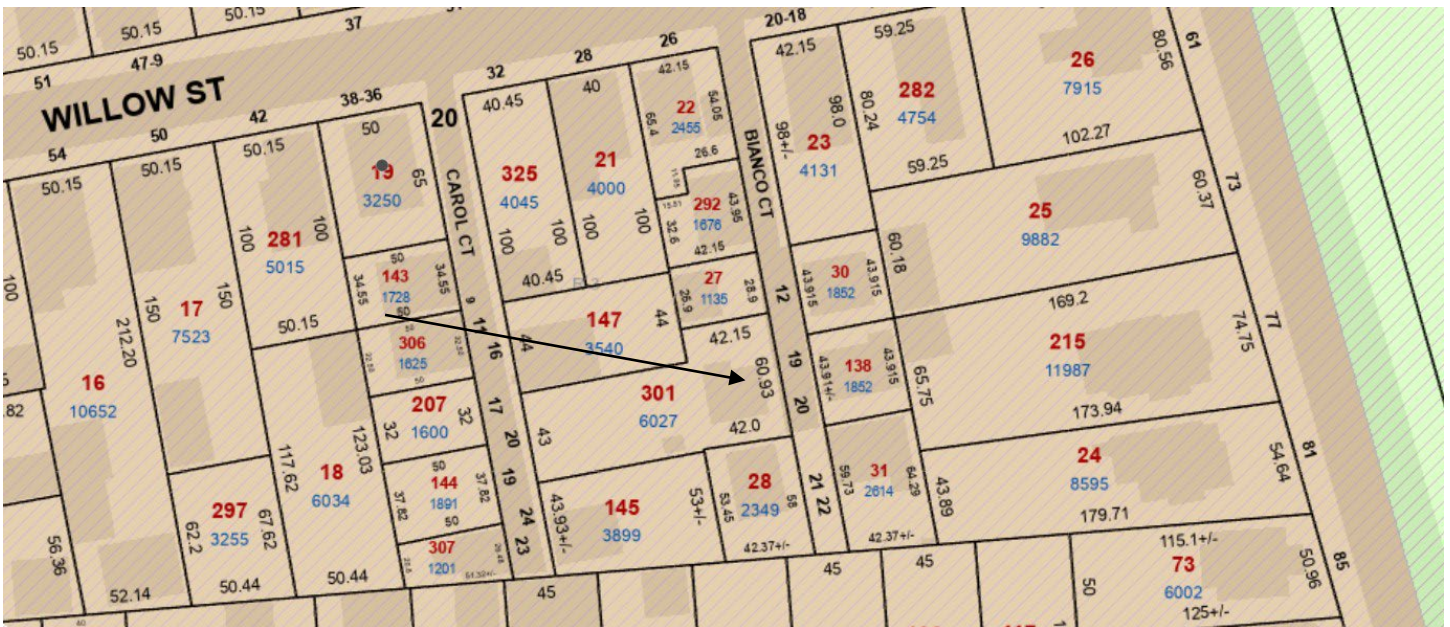


5. CASE 24.140, 19 BIANCO COURT, G. S. Jenckes House, ca1850s (ARMORY)

1½-story; end-gable; clapboard cottage; with plain sidehall entry and molded window caps. Dormer addition (2014); rear addition (2020).
CONTRIBUTING



Arrow indicates 19 Bianco Court.



Arrow indicates project location, looking north.

Applicant/Contractor: Kai R. Hadley, Portside Renewables, 77 N. Water St, New Bedford, MA 02740

Owner: Ottavia De Luca, 19 Bianco Court, Providence, RI 02909

Proposal: The scope of work proposed consists of Minor Alterations and includes:

- installation of 13 solar panels to the roof slopes.

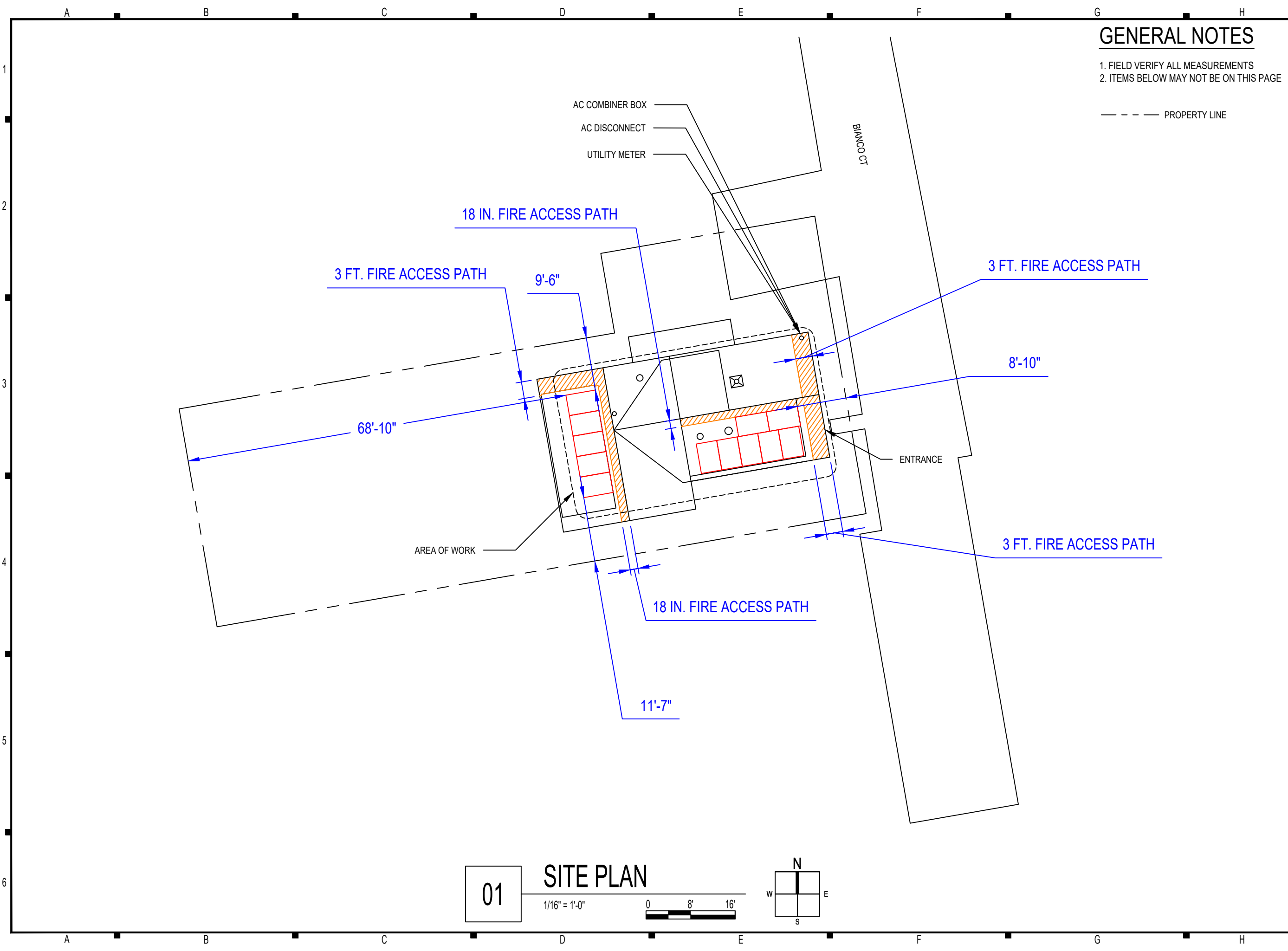
Issues: The following issues are relevant to this application:

- The Commission has previously approved modifications to the property that include a dormer addition (2014) and a rear addition (2020);
- The application as submitted will be minimally visible from the public rights-of-way;
- The modifications as proposed meets Minor Alterations: Solar Energy Systems Guidelines, Section 2, in the following manner: Panel layout shall be sympathetic or appropriate to design and scale of building. Rectangular configurations are preferred, with ample setback from edge of roof, dormers, chimneys, etc. (2.A); Panels shall be installed parallel to the existing roof slope and matched as closely as possible to the roof plane (2.B); Panels shall be installed without destroying or replacing original or historic materials or significantly compromising or altering the building's structural integrity (2.C); Panels shall be compatible in color to existing roofing insofar as possible (2.D); Installation of panels shall be as inconspicuous as possible when viewed from public right-of-way (2.E); Installation shall be reversible. Panels shall be removed when no longer viable or functioning and roofing restored to pre-existing conditions (2.F); and,
- Plans, specifications and pictures have been submitted.

Recommendations: The staff recommends the PHDC make the following findings of fact:

- a) 19 Bianco Court is a structure of historical and architectural significance that contributes to the significance of the Armory local historic district, having been recognized as a contributing structure to the Broadway/Armory National Register Historic District;
- b) The modifications as proposed meets Minor Alterations: Solar Energy Systems Guidelines, Section 2, and the application is considered complete; and,
- c) The work as proposed is in accord with PHDC Standards 8 & 9 as follows: 8) the work will be done so that it does not destroy the historic character of the property or the district as they are not on the primary elevation and will be minimally visible from the public rights-of-way; and, 9) Whenever possible... alterations to structures shall be done in such a manner that if removed in the future, the essential form and integrity of the structure and the site will be unimpaired.

Staff recommends a motion be made stating that: The application is considered complete. 19 Bianco Court is a structure of historical and architectural significance that contributes to the significance of the Armory local historic district, having been recognized as a contributing structure to the Broadway/Armory National Register Historic District. The Commission grants Final Approval of the proposal as submitted as the proposed alteration is appropriate having determined that the proposed alteration does not destroy the historic character of the property or the district and are historically and architecturally compatible with the property and district. The proposed alteration meets Minor Alterations: Solar Energy Systems Guidelines, Section 2, is reversible and will not have an adverse effect on the property or district as they will be minimally visible from the public rights-of-way (Standards 8 & 9), and the recommendations in the staff report, with staff to review any additional required details.



GENERAL NOTES

1. FIELD VERIFY ALL MEASUREMENTS
2. ITEMS BELOW MAY NOT BE ON THIS PAGE

--- PROPERTY LINE



CONTRACTOR

PORTSIDE RENEWABLES, LLC

PHONE: 508-470-1467

ADDRESS: 77 N. WATER ST
NEW BEDFORD, MA 02740

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HIC. NO.: HIC-181176

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NEW PV SYSTEM: 5.160 kWp

DE LUCA RESIDENCE

19 BIANCO CT
PROVIDENCE, RI 02909

APN: PROV36L301

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

SITE PLAN

DATE: 09.24.2024

DESIGN BY: O.L.

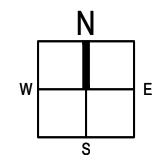
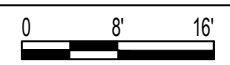
CHECKED BY: M.M.

REVISIONS

01

SITE PLAN

1/16" = 1'-0"



A-101.00

(SHEET 3)



CONTRACTOR

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NEW PV SYSTEM: 5.160 kWp

**DE LUCA
RESIDENCE**

19 BIANCO CT
PROVIDENCE, RI 02909

APN: PROV36L301

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ASSEMBLY DETAILS

DATE: 09.24.2024

DESIGN BY: O.L.

CHECKED BY: M.M.

REVISIONS

S-501.00

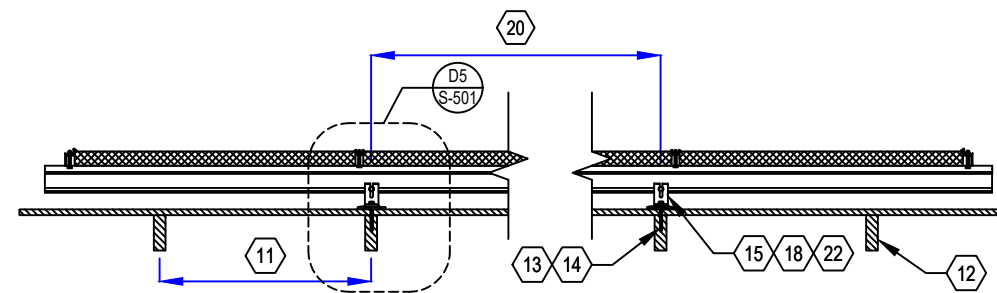
(SHEET 9)

GENERAL NOTES

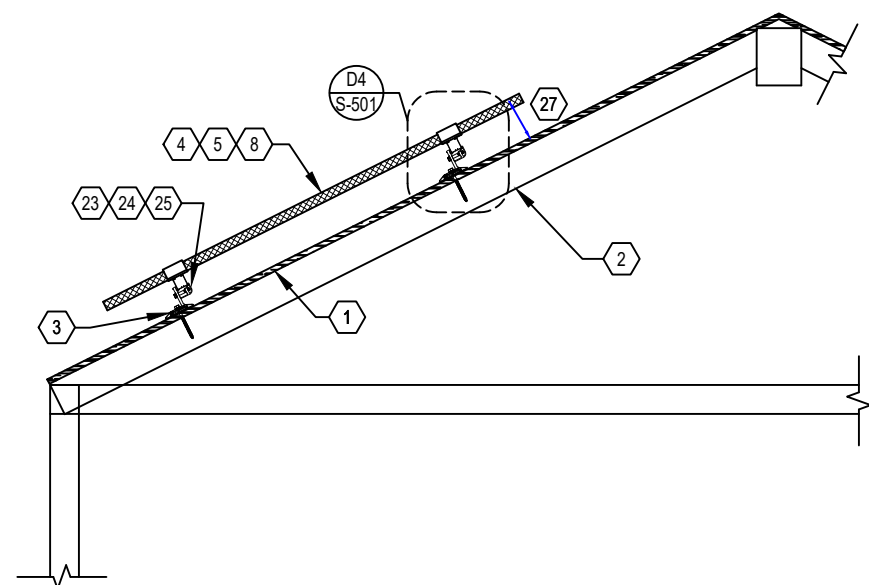
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2. ITEMS BELOW MAY NOT BE ON THIS PAGE

SHEET KEYNOTES

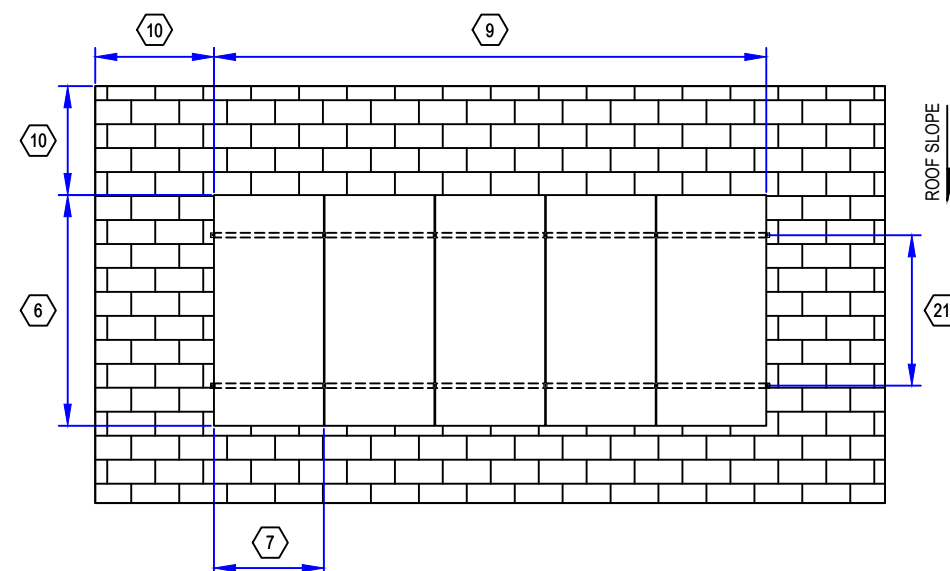
1. ROOF MATERIAL: ASPHALT SHINGLE
2. ROOF STRUCTURE: SINGLE SPAN RAFTER
3. ATTACHMENT TYPE: UNIRAC STRONGHOLD ATTACHMENT KIT
4. MODULE MANUFACTURER: SILFAB SOLAR
5. MODULE MODEL: SIL-430 QD
6. MODULE LENGTH: 67.8"
7. MODULE WIDTH: 44.6"
8. MODULE WEIGHT: 46.3 LBS.
9. SEE SHEET A-103 FOR DIMENSION(S)
10. FIRE OFFSET: 18" FROM RIDGE, 36" FROM EDGE.
11. RAFTER SPACING: 24 IN. O.C.
12. RAFTER SIZE: 2X6 IN. NOMINAL.
13. LAG BOLT DIAMETER: BOLT/SCREW SUPPLIED WITH RACKING.
14. LAG BOLT EMBEDMENT: PER RACKING MFG SPECIFICATIONS.
15. TOTAL # OF ATTACHMENTS: 32
16. TOTAL AREA: 251.99 SQ. FT.
17. TOTAL WEIGHT: 623.03 LBS.
18. WEIGHT PER ATTACHMENT: 19.47 LBS.
19. DISTRIBUTED LOAD: 2.47 PSF
20. MAX. HORIZONTAL STANDOFF: 48 IN.
21. MAX. VERTICAL STANDOFF: IN ACCORDANCE WITH MODULE MANUFACTURER'S INSTRUCTIONS.
22. STANDOFF STAGGERING: YES
23. RAIL MANUFACTURER (OR EQUIV.): UNIRAC
24. RAIL MODEL (OR EQUIVALENT): NXT UMount
25. RAIL WEIGHT: 0.401 PLF
26. MAX. RAFTER SPAN: 12 FT.
27. MODULE CLEARANCE: 3 IN. MIN., 6 IN. MAX.



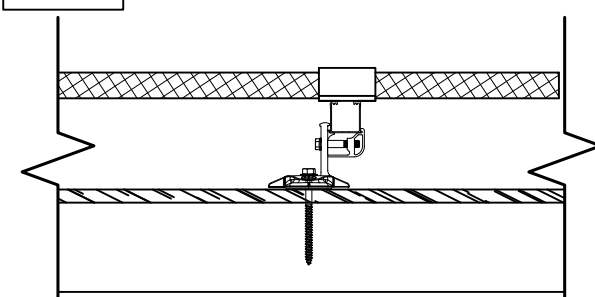
D2 RACKING DETAIL (LONGITUDINAL)
SCALE: NOT TO SCALE



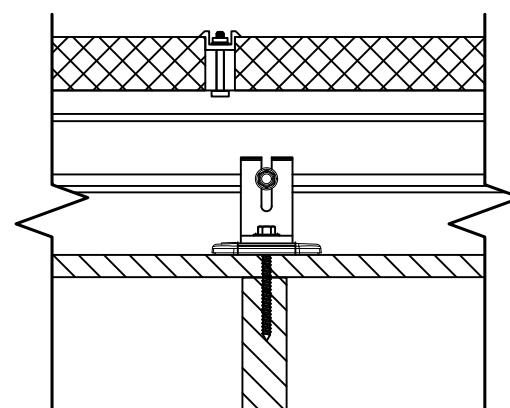
D1 RACKING DETAIL (TRANSVERSE)
SCALE: NOT TO SCALE



D3 RACKING DETAIL (TOP)
SCALE: NOT TO SCALE



D4 DETAIL (TRANSVERSE)
SCALE: NOT TO SCALE

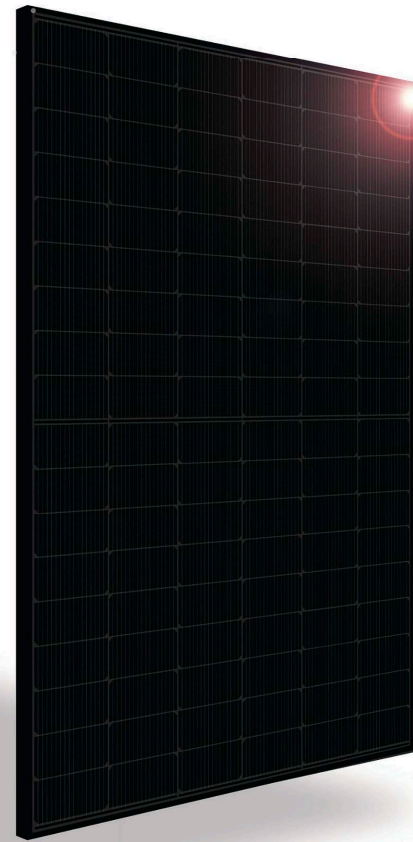


D5 DETAIL (LONGITUDINAL)
SCALE: NOT TO SCALE

A B C D E F G H

SILFAB PRIME NTC

SIL-430 QD



INTRODUCING NEXT-GENERATION N-TYPE CELL TECHNOLOGY

- Improved Shade Tolerance
- Improved Low-Light Performance
- Increased Performance in High Temperatures
- Enhanced Durability
- Reduced Degradation Rate
- Industry-Leading Warranty



SILFABSOLAR.COM



ELECTRICAL SPECIFICATIONS		430	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	430	321
Maximum power voltage (Vpmax)	V	33.25	31.02
Maximum power current (Ipmx)	A	12.93	10.33
Open circuit voltage (Voc)	V	38.91	36.58
Short circuit current (Isc)	A	13.87	11.15
Module efficiency	%	22.1%	20.6%
Maximum system voltage (VDC)	V	1000	
Series fuse rating	A	25	
Power Tolerance	Wp	0 to +10	

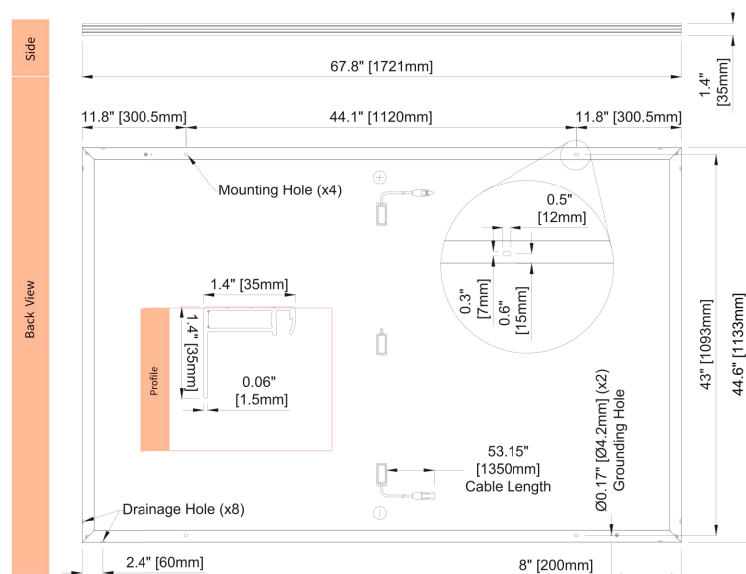
Measurement conditions: STC 1000 W/m² • AM 1.5 • Temperature 25 °C • NOCT 800 W/m² • AM 1.5 • Measurement uncertainty ≤ 3%
Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by 0 to +10 W.

MECHANICAL PROPERTIES / COMPONENTS	METRIC	IMPERIAL
Module weight	21 kg ± 0.2 kg	46.3 lbs ± 0.4 lbs
Dimensions (H x L x D)	1721 mm x 1133 mm x 35 mm	67.8 in x 44.6 in x 1.37 in
Maximum surface load (wind/snow)*	4000 Pa rear load / 5400 Pa front load	83.5 lb/ft ² rear load / 112.8 lb/ft ² front load
Hail impact resistance	Ø 25 mm at 83 km/h	Ø 1 in at 51.6 mph
Cells	108 Half cells - N-Type Silicon solar cell 182 mm x 91 mm	108 Half cells - N-Type Silicon solar cell 7.16 in x 3.58 in
Glass	3.2 mm high transmittance, tempered, antireflective coating	0.126 in high transmittance, tempered, antireflective coating
Cables and connectors (refer to installation manual)	1350 mm, Ø 5.7 mm, MC4 from Staubli	53.1 in, Ø 0.22 in (12 AWG), MC4 from Staubli
Backsheet	High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet	
Frame	Anodized aluminum (Black)	
Junction Box	UL 3730 Certified, IEC 62790 Certified, IP68 rated, 3 diodes	

TEMPERATURE RATINGS		WARRANTIES	
Temperature Coefficient Isc	0.04 %/°C	Module product workmanship warranty	25 years**
Temperature Coefficient Voc	-0.24 %/°C	Linear power performance guarantee	30 years
Temperature Coefficient Pmax	-0.29 %/°C		≥ 98% end 1st yr ≥ 94.7% end 12th yr ≥ 90.8% end 25th yr ≥ 89.3% end 30th yr
NOCT (± 2 °C)	45 °C		
Operating temperature	-40/+85 °C		

CERTIFICATIONS	SHIPPING SPECS
Product	Modules Per Pallet: 26 or 26 (California)
	Pallets Per Truck: 32 or 30 (California)
Factory	Modules Per Truck: 832 or 780 (California)

* Warning, Read the Safety and Installation Manual for mounting specifications and before handling, installing and operating modules.
** 12 year extendable to 25 years subject to registration and conditions outlined under "Warranty" at silfab.com.
PAN files generated from 3rd party performance data are available for download at: silfab.com/downloads.



SILFAB SOLAR INC.

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T +1 360.569.4733
info@silfab.com
SILFABSOLAR.COM

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Fort Mill SC 29715 USA
T +1 839.400.4338

240 Courtneypark Drive East
Mississauga ON L5T 2Y3 Canada
T +1 905.255.2501
F +1 905.696.0267

Silfab - SIL-430-QD-20240227
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APN: PROV36L301

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

DATE: 09.24.2024

DESIGN BY: O.L.

CHECKED BY: M.M.

REVISIONS

R-001.00

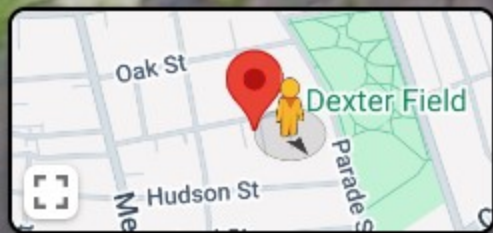
(SHEET 10)

12 Bianco Ct

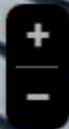
Providence, Rhode Island

Google Street View

Jul 2019 See more dates



Google





BLACK
LIVES
MATTER





BRICK CHIMNEY

DORMER WINDOW

WINDOW

WINDOW

WINDOW

WOODEN FENCE

CAR

PROPERTY OF CITY

WOODEN PLANKS

ROCKS

HOSE

TRASH BIN