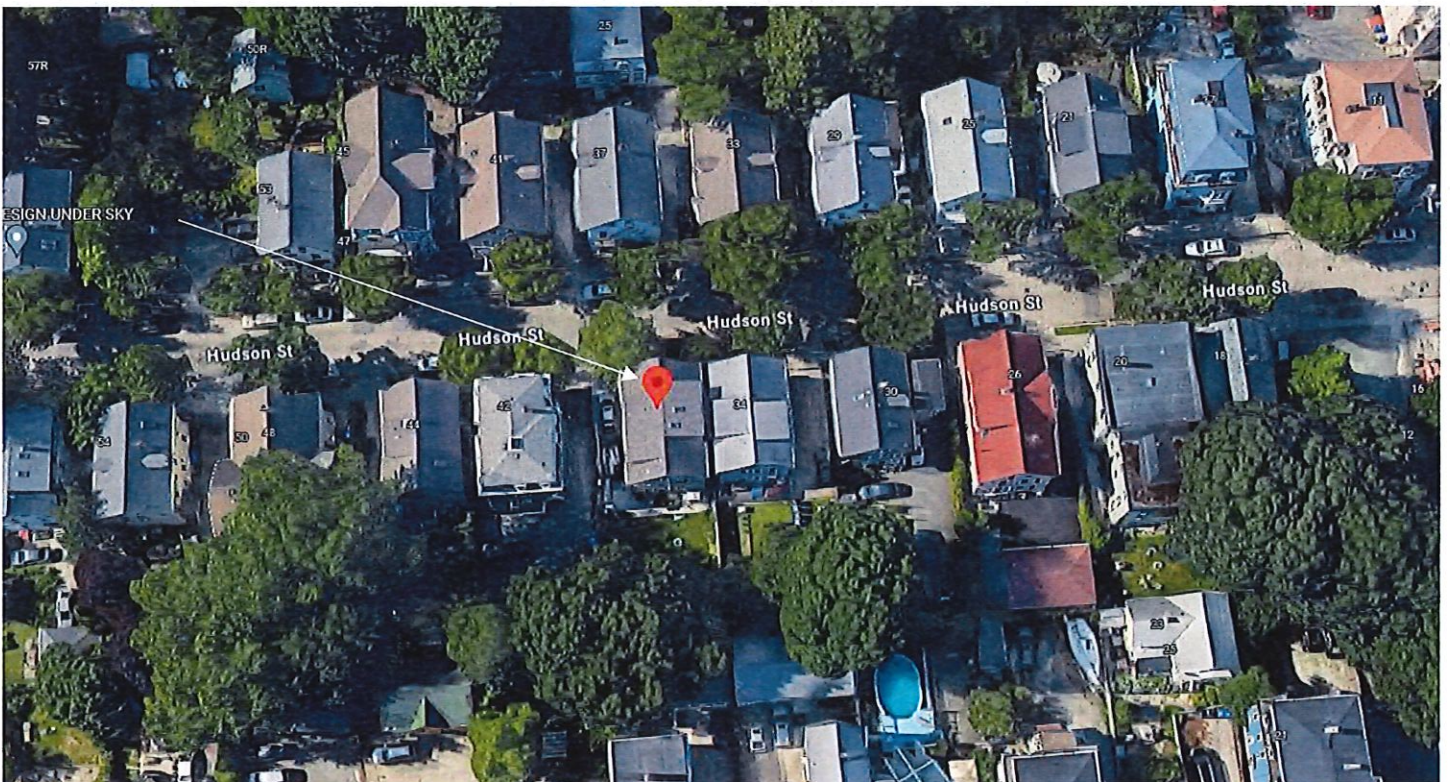


6. CASE 23.133, 36 HUDSON STREET, House, c1880 (ARMORY)
2½-story; end-gable; shingle dwelling; with bracketed hood, shed dormers, 2-story front bay, and side-hall plan.
CONTRIBUTING



Arrow indicates 36 Hudson Street.



Arrow indicates project location, looking north.

Applicant/Contractor: Jarad Asselin, 155 Williams Street, Providence, RI 02906

Owner: Gabriel Long, 36 Hudson Street, Apt. 2, Providence, RI 02907

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

- the installation of 26 solar panels, 10 on the flat of the east dormer roof, four at the southeast corner of the east slope of the hip roof, 8 on the flat of the west dormer roof, and four at the northeast corner of the west slope of the hip roof.

Issues: The following issues are relevant to this application:

- The modifications as proposed will not be 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) 36 Hudson Street 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-to-not 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. 36 Hudson Street 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 as 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 are not on the primary elevation and 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.



System:
26 – Hanwha 405W modules
26 – Enphase IQ8A
10.53 kW DC
9.074 kW AC

Interior AC disconnect located at main electric panel in basement with combiner box

Exterior AC disconnect located at utility meter

4-405w panels at 266 azimuth and 33 pitch

10-405w panels at 266 azimuth and 13 pitch

8-405w panels at 86 azimuth and 13 pitch

4-405w panels at 86 azimuth and 33 pitch



JACOB S. PROCTOR
No. 13119
REGISTERED PROFESSIONAL ENGINEER

08/31/2023

Vector Structural Engineering has reviewed the existing structure with loading from the solar array and screw connections to the existing framing. The design of the racking system, racking connections, and all other structural is by others. Mechanical, architectural, and all other nonstructural aspects of the design are by others. Electrical is by others, unless stamped by Dean Levorsen.



Site Location: Gabe Long
36 Hudson St.
Providence, RI. 02909

Aerial Layout
Created By: Abel Collins

Sol Power
11 Almy Street
Providence, RI. 02909





LOCATED IN BASEMENT

pviabels.com/03-1-140469-A1

ON

SIEMENS

**GENERAL DUTY
ENCLOSED SWITCH
30A 240VAC, 250VDC**

⚠ DANGER



Hazardous Voltage.
Will cause death or serious injury.

- Disconnect and lock out power supplying this switch before working on this switch.
- Turn off switch before removing or installing fuses if so equipped.
- Always use a properly rated voltage sensing device on all fuse clips (Fusible) or all load side terminals (Non-Fusible) to confirm switch is off.
- Close or replace cover before turning power on.
- To lock in the OFF position, the locking mechanism must engage through both the enclosure hasp and the handle.
- To turn the switch ON, rotate the handle to the mechanical stop position.

**PHOTOVOLTAIC SYSTEM
⚠ AC DISCONNECT ⚠**

RATED AC OUTPUT CURRENT

12

A

NOMINAL OPERATING AC VOLTAGE

240

05-21

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