The current proposal is:

Preservation Department – Item 4, LPC-21-06265

114-14 179th Street – Addisleigh Park Historic District

Borough of Queens

To Testify Please Join Zoom

Webinar ID: 880 9920 7345
Passcode: 594556
By Phone: 1 646-558-8656 US (New York)
877-853-5257 (Toll free) US
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Note: If you want to testify on an item, join the Zoom webinar at the agenda’s “Be Here by” time (about an hour in advance). When the Chair indicates it’s time to testify, “raise your hand” via the Zoom app if you want to speak (*9 on the phone). Those who signed up in advance will be called first.
PRESENTATION TO THE NYC LANDMARK PRESEVERATION COMMISSION
114-14 179 STREET, QUEENS, NY 11434

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MAKEDA WADKINS RESIDENCE
114-14 179 STREET, QUEENS, NY 11434

(16) Q.PEAK DUO BLK-G10+ (360W) MODULES
SOLAR PV SYSTEM SIZE: 5.760 KW (ROOF MOUNT)
These plans are approved only for the work indicated on the application specification sheet. All other matters shown are not to be relied upon or to be considered either approved or in accordance with applicable codes.

No change in use, egress or occupancy.
**Legend**

- **3'-0" Wide Clear Access Pathway As Per FDNY FC512.3**

- **(16) Q.Peak Duo BLK-G10+ (360W) 67.59" x 41.14" Photovoltaic Solar Panels (See Panel Spec. For More Details)**

**Details**

- **Roof Pitch:** 38 degrees
- **16 Panels:** 297 SF

**Note:**
- No additional structural work required @ roof for installation of solar panels.
- Micro-inverters are located on the roof below the solar panels.
- AC disconnect switch must be readily accessible. Top of lever no higher than 2.0 M / 6'-7" above the floor or platform. This floor surface must be accessible without the use of ladders.
- Existing location of main service panel @ inside (basement).

**Existing Vent Pipe**

- Installation of 16 solar panels, (Typ.) with micro-inverters
- 3'-0" wide clear unobstructed access pathway as per FDNY FC512.3

**Proposed Location of BOS/AC Disconnect**

**Existing Roof Ridge**

- Existing vents (Typ.)

**Existing Roof Ridge**

**Exterior Roof Ridge**

**测量**

- **A-100.00**

**项目**

114-14 179 Street, Queens, New York 11434

**设计**

S&S Solar Design Consultation Permitting
124-15 Metropolitan Avenue
Queens, NY 11415
Phone: (646) 626-6299
Info@srsolardesign.com

**日期**

12/11/2020

**描述**

- 这些计划仅适用于申请规格说明中的工作。其他显示的内容均不可依赖或被视为符合适用的法规。
- 不得改变用途、出口或使用。
- 设计师：

**图签**

- 114-14 179 STREET, QUEENS, NEW YORK 11434
- 15B
- R2
- 14310
- 10330
- 320-1249

**签署及密封**

- 12/11/2020
- 114-14 179 STREET, QUEENS, NEW YORK 11434
- 15B
- 14310
- 10330
- 320-1249
- A-100.00

**图签**

- 只有在应用规格说明中指示的用途才能依赖。所有其他内容均不可依赖。
- 不得改变用途、出口或使用。
- 符合适用的法规。
NO ADDITIONAL STRUCTURAL WORK REQUIRED @ ROOF FOR SOLAR PANEL INSTALLATION.

NOTE:
AC DISCONNECT SWITCH MUST BE 'READILY ACCESSIBLE, TOP OF LEVER NO HIGHER THAN 2.0 M / 6'-7" ABOVE THE FLOOR OR PLATFORM. THIS FLOOR SURFACE MUST BE ACCESSIBLE WITHOUT THE USE OF LADDERS.

NOTE:
SOLAR PANEL INSTALLATION COMPLIES WITH NYC ZONING RESOLUTION 23-62 & 23-62(m)

3'-0" WIDE CLEAR ACCESS PATHWAY AS PER FDNY FC512.3

INSTALLATION OF 16 PHOTOVOLTAIC SOLAR PANELS (TYP.)

NO ADDITIONAL STRUCTURAL WORK REQUIRED @ ROOF FOR SOLAR PANEL INSTALLATION.

PROPOSED CONDUIT RUNNING DOWN REAR OF BUILDING

NOTE:
SOLAR PANEL INSTALLATION COMPLIES WITH NYC ZONING RESOLUTION 23-62 & 23-62(m)

32'-6"
BUILDING HEIGHT
21'-11"
STREET WALL HEIGHT

FINISH GRADE
TOP OF ROOF

114-14 179 STREET,
QUEENS, NEW YORK 11434

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A-200.00

S&R SOLAR DESIGN    CONSULTATION    PERMITTING
124-15 METROPOLITAN AVENUE
QUEENS, NY 11415
PHONE: (646) 626-6299
INFO@SRSOLARDESIGN.COM

DRAWN BY:
SIGN AND SEAL:

DATE:
12/11/2020

SCALE:
1/8" = 1'-0"

PAGE:
5 of 12
PROPOSED LOCATION OF BOSIAC DISCONNECT

NOTE: SOLAR PANEL INSTALLATION COMPLIES WITH NYC ZONING RESOLUTION 23-62 & 23-62(m)

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TOP OF ROOF

BUILDING HEIGHT

STREET WALL HEIGHT

FINISH GRADE

FINISH GRADE

SKY PLANE EXPOSURE - ZR 23-631

NOTE: SOLAR PANEL INSTALLATION COMPLIES WITH NYC ZONING RESOLUTION 23-62 & 23-62(m)

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SECTION ELEVATION VIEW FROM 175 PLACE

SCALE 3/32 = 1'-0"

114-14 179 STREET,
QUEENS, NEW YORK 11434
MECHANICAL SPECIFICATION

- Panel
  - Glass: [Details provided]
  - Frame: [Details provided]
  - Back Sheet: [Details provided]
- Connector: [Details provided]

ELECTRICAL SPECIFICATIONS

- Power Class: [Details provided]
- Power Output: [Details provided]
- Voltage: [Details provided]
- Current: [Details provided]
- Efficiency: [Details provided]

QUALIFICATIONS AND CERTIFICATIONS

- [Details provided]
  - Standard: [Details provided]
  - Certification: [Details provided]

*Note: Installation instructions must be followed. See the installation manual and/or contact our technical service department for further information on equipment installation and use of this product.*

THE IDEAL SOLUTION FOR:
- [Details provided]
  - Applications: [Details provided]
  - Benefits: [Details provided]

ENDURANCE & WIND LOAD CALCULATIONS

- [Details provided]
  - Load Calculations: [Details provided]
  - Wind Zones: [Details provided]

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The SnapNrack Array Skirt

is an enhanced aesthetic option with a sleek black finish providing a flush clean line homeowners love. When installed the Array Skirt provides a clean finish to the front of arrays covering any screws, bolts, wires, or mounting hardware. It mounts directly to standard module frames allowing it to attach to almost any array.

**Skirt Mounts**
- Hook onto the inside of module frame
- Secured in place with 3/8” fastener from front of module preventing any need for reaching under array

**Skirt**
- Snaps into place on the mount easily with nc tools required
- Smooth curved profile provides an elegant finished look

**Splice**
- Attaching separate sections of skirt is easy with the snap-in splice
- Provides a seamless transition between skirt sections

**End Caps**
- Cover end sections of skirt so no cuts are visible
- Easily snap end caps onto the ends of any skirt section

---

**Array Skirt**


Start Installing the Array Skirt Today

**RESOURCES**

snaprack.com/resources

**DESIGN**

snaprack.com/configurator

**WHERE TO BUY**

snaprack.com/where-to-buy

---

**MODULE ELECTRICAL & MECHANICAL SPECIFICATIONS**
SOLAR PANELS WILL NOT BE VISIBLE FROM FRONT, LEFT AND RIGHT SIDE OF THE BUILDING

SOLAR PANELS NOT VISIBLE FROM THE FRONT, LEFT AND RIGHT FROM 179 STREET

CONDUCT AT THE REAR OF HOUSE (PAINTED GRAY)

LOCATION OF BOS DISCONNECT

SOLAR PANELS TO BE INSTALLED NO MORE THAN 7" ABOVE THE EXISTING ROOF

A MOK-UP OF THE PROPOSED SOLAR ARRAY

PHOTOMONTAGE OF THE PROPOSED SOLAR ARRAY

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114-14 179 STREET,
QUEENS, NEW YORK 11434

12/11/2020
S20-1249
A mock-up of the proposed solar array

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PROJECT:
114-14 179 STREET,
QUEENS, NEW YORK 11434

PHOTOMONTAGE OF THE PROPOSED SOLAR ARRAY

CONDUIT AT THE REAR OF HOUSE (PAINTED GRAY)

VIEW OF PROPERTY FROM MURDOCK AVENUE

VIEW OF PROPERTY FROM 179 PLACE

VIEW E
Aurora Shade Report

Customer
MAKEDA WACKINS

Address
114-14 179th St.
Jamaica, NY 11434, USA

Designer
Sun Solarholmal

Coordinates
(40.69013, 73.770373)

Organization
S&R Solar Design Corp.

Date
21 January 2021

Table: Annual insolation

<table>
<thead>
<tr>
<th>Array</th>
<th>Panel Count</th>
<th>Azimuth (deg.)</th>
<th>Pitch (deg.)</th>
<th>Annual TSP (%)</th>
<th>Annual Solar Access (%)</th>
<th>Annual TSPF (%)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>15</td>
<td>232</td>
<td>38</td>
<td>91</td>
<td>71</td>
<td>65</td>
</tr>
</tbody>
</table>

Weighted average by panel count

Monthy solar access (%) across arrays

<table>
<thead>
<tr>
<th>Array</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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Shading Report

S&R SOLAR DESIGN
CONSULTATION
PERMITTING

124-15 METROPOLITAN AVENUE
QUEENS, NY 11415

PHONE: (646) 626-6299
INFO@SRSOLARDESIGN.COM

PROJECT NUMBER:

S&R SOLAR DESIGN    CONSULTATION    PERMITTING

124-15 METROPOLITAN AVENUE
QUEENS, NY 11415

PHONE: (646) 626-6299
INFO@SRSOLARDESIGN.COM

DESIGNER:

SIGN AND SEAL:

114-14 179 STREET,
QUEENS, NEW YORK 11434

SHADING REPORT

13/11/2020
S20-1249
FR, CS, CG
10910
14
82
15B
A-304.00
The current proposal is:

Preservation Department – Item 4, LPC-21-06265

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