

THE CITY OF ORANGE TOWNSHIP HISTORIC PRESERVATION COMMISSION

APPLICATION NUMBER: A4191-23 DATE RECEIVED: April 14, 2023

MEETING DATE: April 19, 2023 MEETING DATE: _____

NAME: Alfonzo + Bethye Williams

PHONE: 9738685033 E-MAIL: FONZO705@gmail.com

NAME: _____

PHONE: _____ E-MAIL: _____

BLOCK: 6602 LOT 37 ORANGE VALLEY MONTROSE SEVEN OAKS PARK MAIN STREET ST JOHN'S

ADDRESS: 705 S Center St

PROPOSED WORK: Solar Panels

PHOTOS SURVEY STRUCTURAL CERTIFICATION SKETCHES MATERIAL SPECIFICATIONS SITE PLAN

APPLICATION FEE: \$70 CHECK NO: _____ RECEIPT NO: 4993 ONLINE: _____

TRC: _____ APPROVED _____ DENIED _____ RESCHEDULED _____

APPROVAL LETTER _____ RESOLUTION NUMBER _____ RESOLUTION DATE _____

Taken by Joyce



CITY OF ORANGE HISTORIC PRESERVATION COMMISSION

ORANGE CITY HALL
29 North Day Street, Orange, New Jersey 07050
PHONE (973) 952- 6344 FAX (973) 672-6643

RECEIVED
CITY CLERK'S OFFICE
APR 11 A 2:49

**CITY OF ORANGE PRESERVATION COMMISSION
APPLICATION FOR CERTIFICATION OF APPROPRIATENESS**

DATE RECEIVED _____ APPLICATION # _____

APPLICANT(S):

Name of Applicant(s): ALFONZO & BETTYE S. WILLIAMS

Address: 705 S. CENTER ST Email: FONZO 705 @ GMAIL.COM

Telephone (Day) 973-868-5033 (Eve) 973-673-4867 (Fax) 973-673-4878

Relationship of Applicant to Property owner:

Owner(s) Lessee Property Under Contract Other (Specify)

Explanation if Other: _____

OWNER(S), IF DIFFERENT THAN APPLICANT:

Name(s) of Owner(s): _____

Address: _____ Email: _____

Telephone Number: (Day) _____ (Eve) _____

Street Address of the Property that is subject of Application: 705 S. CENTER ST
ORANGE NJ 07050

Tax Block: 6602 Lot: 37

Name of Historic District in which Property lies: _____

Orange Valley Montrose Seven Oaks Park Main Street St. John's

Existing use of the Property:

LIVING QUARTERS

Existing zoning of the Property:

R-1

Describe in detail the proposed work to be done at the Property.

SOLAR PANELS BEING INSTALLED ON ROOF OF
HOUSE.

Explain how you plan to prevent, minimize and mitigate any adverse effects to this Property, to nearby historically significant properties, and to the Historic District?

SOLAR PANELS ARE BEING INSTALLED ON ROOF OF HOUSE
TREE LIMBS REMOVED FROM ^{TREES} IN FRONT OF HOUSE GETTING THE
SOLAR PANELS.

Each Application must be accompanied by sketches, drawings, photographs, descriptions or other information sufficient to show the proposed alterations, additions, changes or new construction. The Commission may require the subsequent submission of such additional materials as it reasonably requires to make an informed decision. A submission shall include:

- A photograph of each elevation of the structure.
- Fifteen (15) copies of drawings, photographs, material brochures, samples, specifications or information that may be necessary to assist the Commission. Copies may be submitted electronically, or by CD or flash drive.
- Fifteen (15) copies of a survey, or if applicable, a site plan showing the location of new and existing structures on the site and their location with respect to the building line, property line, and the front of those buildings or structures immediately adjacent to each side of the lot to be built upon.
- Fifteen (15) copies of façade elevation(s), if applicable, of the proposed work in sufficient detail to identify the limits and location of the proposed work, and existing and proposed materials to be used.
- \$70.00 Application fee (check or money order made to the City of Orange).

By signing this Application, I hereby certify that the owner of record authorizes the proposed work and I have been authorized by the owner to make this Application as his/her authorized agent. By signing this Application, the owner hereby grants authorization to the Commission members, and its professional and support staff to enter the Property in question for inspection purposes. By signing this application I further agree that the attorney's and professional staff's review of my application is chargeable to me and that I agree to pay for such review separately from the application fee, by depositing an escrow payment of \$_____.

Signature of Applicant(s) Alfonzo Williams

(Print Name) ALFONZO WILLIAMS

Date 4/11/2023

Signature of Owner(s) (if different than Applicant) Bettye S. Williams

(Print Name) Bettye Williams

Date 4/11/2023

Submittal of this Application form-properly signed, with the indicated copies of documents and the Application fee will constitute a complete Application. Upon receipt of a complete Application, the Board Secretary will schedule the Application with the Commission. The Applicant delays his/her own Application if all of these required items are not submitted. The Commission shall reach a decision on the Application within forty-five (45) days of submission of a complete Application. The Applicant must appear in front of the Commission in order to present the Application during the public hearing on the scheduled date.

Telephone: _____ Fax: _____ Website: _____

Michael S. Rezk

Pro Custom Solar LLC
3096B Hamilton Blvd
South Plainfield, NJ 07080

Engineer-PE

732-902-6224

March 4, 2023

Revised: March 28 2023

Re: Proposed Photovoltaic Solar Panel Installation

Alfonzo Williams
705 S CENTER ST
ORANGE, NJ 07050

Dear Plan Reviewer:

Certification: I have reviewed the engineering testing reports for the racking and attachments to be used on this project and I certify that the products are capable of supporting the code required loads and are suitable for this installation when installed in strict compliance with the manufacturers printed instructions.

Regarding the solar panel array installation on the above referenced project please note that an inspection was performed by a representative of the Architect/Engineer of Record, and analysis of the existing structure was conducted. There is adequate structural capacity for the installation of the array with the following recommendations:

1. The array will be installed on the existing roof. The roof framing is constructed of 2"x8" wood rafters @22" o.c. spanning 13' 10" with 1/2" plywood sheathing. The new array (See Site map by contractor) will add 2.63 Lb. / Sf. overall to the roof. The existing structure is sufficient to support the new loads associated with the additional weight & wind resistance. No additional structural support is required for the roof structure.

2. The attachment system shall be secured to the roof and shall be in strict compliance with manufacturers printed instructions. The attachment system shall be UL 1703 approved tested. Provide water tight sealant at all penetrations. Attachments shall follow panel rows as specified by the system manufacturer's installation manual. The panel angle shall match the roof slope. Reference summary table below:

Roof Type:	Shingle	Fastener Max Spacing (in.)		
Attachment System:	"ROOFTECH"® "RT MINI II" & "UNIRAC SM" Mounting Systems	Wind Zone 1	Wind Zone 2	Wind Zone 3
Fastener Info:	min. 5/16" x 4" long stainless-steel lags with a min. embedment of 3" into the rafters	80	72	72

3. Solar Modules shall be UL-1703 rated. Refer to manufacturers specifications sheets.

4. Positive drainage of the system shall be so as not to void the existing roof warranty.

5. All aspects of the installation shall comply with NJUCC, ASCE 7-16, IBC NJ 2021, NEC 2020(NFPA-70), IRC NJ 2021. Please review the attached certifications prepared by the manufacturer.

6. Please refer to the attached structural calculations.

If you have any questions relating to this matter, please contact me at your earliest convenience. Thank you.

Michael S. Rezk, P.E.
NJ. Lic. No. GE56261



Digitally signed by:
Michael S Rezk
DN: CN = Michael S
Rezk C = US O = New
Jersey

Michael S. Rezk

Engineer-PE

Pro Custom Solar LLC
3096B Hamilton Blvd
South Plainfield, NJ 07080

732-902-6224

March 4, 2023

Revised: March 28 2023

Gravity Load Calculation Criteria

Structural Design Loads per ASCE 7-16

Dead Loads = 10 psf + 2.6 psf (new solar panels) = 12.6 psf

Roof Live Load = 20 psf

Ground Snow Load/Live Load = 25 psf

Wind Load Calculation Criteria

Wind Loads per ASCE 7-16, Ch. 30.4

Design wind pressure determined by Eq. 29.4-7:

Zone 1 = -24.6 psf

Roof Slope = 15 degrees

Roof Mean Height = 15 ft

Zone 2 = -32 psf

Basic Wind Speed = 115 mph

Zone 3 = -36.9 psf

Exposure = B

Per section 2.4.1, ASD combo = D + 0.6W:

Zone 1 = 2.6 psf + 0.6(-24.6 psf) = -12.2 psf

Zone 2 = 2.6 psf + 0.6(-32 psf) = -16.6 psf

Zone 3 = 2.6 psf + 0.6(-36.9 psf) = -19.5 psf

Check Attachment to Wood Rafter

Use 5/16 dia. Lag screw w/ 3" embedment into 2 in. wide roof rafter

Lag Screw Spacing:

Lag Screw Tributary Area:

Zone 1 = 80" o.c. max

Zone 1 = $(80" \text{ o.c. max})^2 / 144 = 44.44 \text{ SF}$

Zone 2 = 72" o.c. max

Zone 2 = $(72" \text{ o.c. max})^2 / 144 = 36 \text{ SF}$

Zone 3 = 72" o.c. max

Zone 3 = $(72" \text{ o.c. max})^2 / 144 = 36 \text{ SF}$

Lag Screw Forces:

Zone 1 = 12.2 psf x 44.44 SF = 542 lb < W', OK

Zone 2 = 16.6 psf x 36 SF = 598 lb < W', OK

Zone 3 = 19.5 psf x 36 SF = 702 lb < W', OK

W = 266lb/in (Table 12.2A, 2015 NDS)

Cd = 1.6 (Table 2.3.2, 2015 NDS)

Ct = 1 (Table 2.3.3, 2015 NDS)

W' = W x embed x Cd x Ct

W' = 266 lb/in x 3 in. x 1.6 x 1 = 1276.8 lb

Design Overview



Prepared for:

Alfonzo Williams

705 S Center St

Orange, NJ 07050

Contact Us:

We'd love to hear from you!

1 (888) MOMENTUM

myinstall@momentumsolar.com

04/10/2023

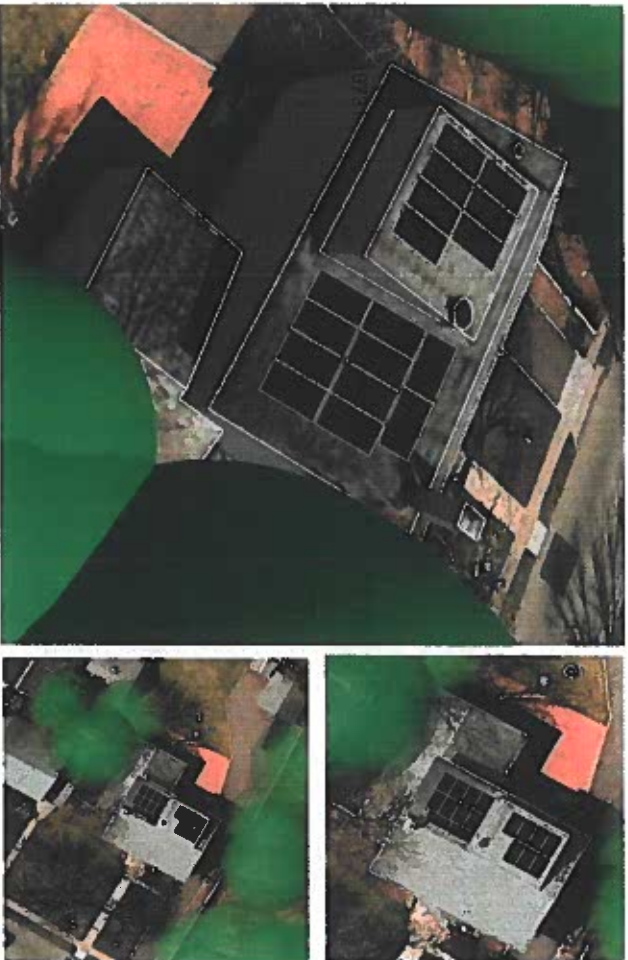
Momentum Solar – Confidential

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Momentum Solar, LLC

Design Overview

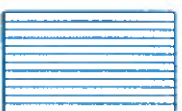
Your solar system is **6.8 KW** (kilowatts)

Your estimated consumption is a projection of how much energy you'll be using this year versus your estimated generation, which is how much energy your solar system is projected to produce.



System Size:	6.8	KW
1st Year Estimated Consumption:	4,806	KWh
1st Year Estimated Generation:		KWh

Your System



Solar Module: HANWHA Q.PEAK DUO BLK ML-G10+ 400
Warranty: 25-year linear power output warranty /
25 year product warranty
Quantity: 17



Solar Inverter: IQ8PLUS-72-2-US
Warranty: 25-year limited warranty
Quantity: 17

A copy of your agreement and a detailed outline of your warranty information for your equipment has been included in your proposal

Timeline

1. Site Assessment Completed
2. Design Completed
3. Permit / PTI / HOA Submission
(when applicable)
4. Solar System Installation
5. Solar System Inspection
6. Utility Permission to Operate / System Activation



Alfonzo Williams Sr <fonzo705@gmail.com>

ADI Application Number NJADRE1552714328 - Conditional Acceptance

1 message

donotreply@programprocessing.com <donotreply@programprocessing.com>
 Reply-To: njreinfo@njcleanenergy.com
 To: fonzo705@gmail.com

Tue, Mar 28, 2023 at 11:38 AM



Mar-28 2023

Andrew King
 Momentum Solar Energy Services
 3096 Hamilton Blvd. Building B
 South Plainfield, NJ 07080

ADI Project Number NJADRE1552714328 - Conditional Acceptance

Dear Andrew King:

We are pleased to inform you the above solar project has been conditionally accepted in the Administratively Determined Incentive Program within New Jersey's Successor Solar Incentive Program and has been assigned a Registration Number NJADRE1552714328. The project has been conditionally accepted with a 10.8 kW (DC) solar electric system. The final acceptance of this initial registration is conditioned on completing the solar installation and commencing commercial operation on or before the expiration date of **03/28/2024**.

Pursuant to the Clean Energy Act of 2018 (L. 2018, c.17) and the Solar Act of 2021 (L. 2021, c. 169), the New Jersey Board of Public Utilities (NJBP) has established a new Successor Solar Incentive Program (SuSI) by Board Order dated July 28, 2021. The SuSI Program replaces the SREC Registration Program (SRP), which was closed to new registration on April 30, 2020, and the Transition Incentive Program (TI), which provided a bridge between the Legacy SRP and the Successor Solar Incentive Program. The SuSI Program provides incentives to eligible solar facilities to enable the continued efficient and orderly development of solar electric generating sources throughout the State. The SuSI Program is comprised of two sub-programs: the Administratively Determined Incentive Program (ADI) and the Competitive Solar Program (CSI). The ADI Program opened to new registrations on August 28, 2021.

Your ADI Registration packet provided us with the following information regarding your solar project:

ADI Registration Number	NJADRE1552714328	Installation Address	705 S Center St Orange, NJ 07050
Premise Contact	Alfonzo Williams	System Size (kW dc)	10.8
Primary Contact (SREC-II Owner)	Andrew King	Market Segment	Net Metered Residential

Note: This letter is addressed to the Primary Contact (SREC-II) Owner, the Premise Contact, and the Solar Installer listed in the ADI Registration Certification form signed by the Primary Contact.

[1] This is a standard form letter intended to cover many cases. You should read it carefully for those provisions applicable to your own project but be aware that all the provisions may not be applicable.

The date of your project's conditional acceptance is 03/28/2023. You may now begin construction of your solar facility.

You must receive permission to operate from the relevant Electric Distribution Company (EDC), submit a complete Final As-Built Package (Post Construction Certification) and meet all other program requirements on or before the project's expiration date noted in this acceptance letter. **If a complete Final As-Built Package with permission to operate is not submitted on or before the expiration date, the registration will be canceled.** If the registration is canceled, you will be required to re-start the entire registration process by submitting a new initial registration package which will have no reference to the above registration. If the solar system is issued permission to operate from the EDC prior to resubmitting a new registration, you will be required to petition the NJBPU for approval to participate in the ADI Program. ***NOTE: If at the time you submit the new registration, the capacity cap for this market segment has been reached, you will no longer be eligible to submit a new registration in this capacity block and will be required to wait until the next capacity block is opened to submit a new registration.***

Once the Final As -Built packet is deemed complete, you may be randomly selected for an on-site program inspection or selected for an inspection waiver. If you are selected for a waiver of inspection, you will receive a waiver letter via email. If you are selected for an on-site inspection, you will be contacted to schedule an on-site visit by a Program Representative.

Upon satisfactory completion of all ADI program requirements, the owner of the SREC-IIs will be issued an NJ SREC-II Certification Number and instructions regarding how to register the solar PV generating system in the Generation Attribute Tracking System at PJM-EIS LLC. The NJ SREC-II Certification Number is a distinct number that is assigned based on the solar installation market segment that is associated with the eligible incentive level. *For additional information on Market Segments, Capacity Blocks and Incentives see ADI Guidelines and Clarification below.*

More detailed information regarding the ADI Program can be found on the NJCEP website and on the ADI Program Online Portal homepage. In addition, certain additional explanations, caveats, clarifications, and conditions are set forth under the *ADI Guidelines and Clarification* section below.

If you have questions or concerns about your ADI Registration, please feel free to contact us at njreinfo@njcleanenergy.com.

Thank you for participating in the Administratively Determined Incentive Program.

Successor Solar Incentive (SuSI) Program
Administratively Determined Incentive (ADI) Program
New Jersey Clean Energy Program
c/o TRC
317 George Street, Suite #520
New Brunswick, NJ 08901

CC:
Alfonzo Williams
Andrew King

ADI Guidelines and Clarifications

Special Reporting Required for Net Metered Projects 1 MW or larger

For net metered projects 1 MW or larger, Quarterly Milestone reports must be submitted to the ADI Processing Team within two weeks of the quarters ending on March 31, June 30, September 30 and December 31. If there is a change to the ownership of the SREC-IIs from the initial ADI Registration, this change should be noted on the ADI Milestone Reporting Form and a copy of the newly executed contract reflecting the new SREC-II owner and a revised ADI Registration Certification Form should be included with the Milestone Reporting form, for the next quarterly submission. Quarterly reports can be submitted in the online portal or via email to njreinfo@njcleanenergy.com. The Milestone Reporting Form and instructions on how to submit this form can be found at www.njcleanenergy.com.

Revenue Grade Meter Requirements

All solar energy systems eligible to earn SREC-IIs must report system production based upon readings from a revenue-grade meter that meets the American National Standards Institute (ANSI) Standard C12.1-2008. This meter is in addition to the electric meter installed by the local utility to measure the home or business' electric consumption. The approved list of revenue grade meters accepted in TI can be found at solar production meters.

SREC-II Eligibility for Adding Capacity to an Existing Solar System

If you are adding capacity to a previously installed system that participated in the SREC Registration Program, Transition Incentive Program, or any previous NJ solar program where the solar system was eligible for SRECs (Solar Renewable

Energy Certificates) or TRECs (Transition Renewable Energy Certificates), you are **required** to install a new revenue grade meter for the added capacity.

Co-Locating Systems

Co-location is not permitted in the ADI Program, unless granted special dispensation by the Board. Co-location is defined as siting two or more SuSI-eligible solar facilities on the same property or on contiguous properties such that the individual facilities are eligible for a higher incentive value than they would be if they combined into one single facility. In the case of net metered projects, **ADI eligible solar facilities shall not be deemed co-located if they serve separate net metering customers as set forth at N.J.A.C. 14:8-4.** If the review of the Post Construction Certification (Final As-Built) packet or project inspection reveal that the registrant failed to disclose co-located solar facilities, the Board may take enforcement action, including but not limited to adjusting the incentive downward by multiplying the aggregated project size by the lowest incentive level among the projects' qualifying market segments.

Interconnection and Authorization to Energize Requirements

This acceptance letter does not constitute a determination of eligibility to interconnect the project to the distribution system in New Jersey. Net metered project owners or their developers must follow the Net Metering and Interconnection process required by New Jersey law at N.J.A.C. 14:8-4.1 through 14:8-5.9 and facilitated by their EDC. The ADI Processing Team does not review the estimated system production and historical onsite consumption for projects to determine eligibility for net metering purposes. Registrants must obtain the required approval from their EDCs, or they may be at risk of proceeding with a project that the EDC refuses to interconnect based on its review of the system output and historical consumption. Among other things, on-site load must be at least equal to project generation before a net-metered system may be energized or final program acceptance issued.

Registrants must also obtain permission to operate for their interconnected system from their EDC. The Final As-Built Checklist requires, among other things, proof that the relevant EDC has approved the interconnection with the EDC's Electrical Distribution System (i.e., grid) and issued a Notice of Authorization to Energize. The facility must receive permission to operate from the relevant EDC and submit a complete Final As-Built (Post-Construction Certification) packet as defined at N.J.A.C. 14:8-11.5(j)) prior to the expiration date indicated in this notice of conditional registration.

ADI Guidelines and Clarifications (cont.)

Increases and Decreases

If, after submittal of an initial ADI Registration packet, an increase of up to 10 percent or 25 kW (dc), whichever is smaller, in the solar electric generating facility's generating capacity is planned, the registrant is required to notified NJBPU at oce@bpu.nj.gov and the ADI Processing Team at NJREINFO@NJCleanEnergy.com. An ADI solar facility **cannot increase the system's capacity that would expand the project beyond 5 MW (dc).**

Extensions

The ADI Program allows for one, 6-month extension. Extension requests must be submitted in the ADI online portal on or before the expiration date noted in this acceptance letter. Requests will be reviewed and considered on a case-by-case basis. Timely and consistent submissions of the Milestone Reporting Form will be considered when making a determination on any extension requests. ADI does not allow for a second extension. To request a second extension, a petition must be submitted to the NJBPU. You can find more information on the ADI Extension Policy at njcleanenergy.com.

New Jersey Solar Renewable Energy Certificates-II (SREC-IIs)

Once a qualified solar project is interconnected with the Electric Distribution System in New Jersey and is authorized to be energized by the EDC, the system is able to produce electricity and is eligible to begin earning SREC-IIs. One SREC-II is earned each time a project generates 1,000 kilowatt-hours (kWh) of electricity.

Capacity Blocks

The ADI Program will accept new registration packages for a given market segment until the capacity block for that market segment is fully subscribed. When the capacity block for a given market segment is reached, the ADI registration portal will stop accepting new registrations for that market segment. New registrations will be accepted in the ADI registration portal when the next capacity block opens. Capacity Blocks will be set annually by the Board.

A capacity block is defined as being fully subscribed when the last registration received in the ADI registration portal causes the total capacity of all registrations in that block to exceed the capacity allocated for the block. Registrations will be reviewed on a first come, first serve basis and the capacity for each application under the status of **ADI Registration Received** will be counted toward the block of the relevant market segment.

Market Segments	System Size	MW (dc) Capacity Blocks EY 2022
Net-Metered Residential	All Sizes	150 MW
Net Metered Non-Residential	All Sizes at or below 5 MW (dc)	150 MW
Community Solar including LMI and Non-LMI	All Sizes at or below 5 MW (dc)	150 MW
Interim Subsection (t) Grid	All Sizes	75 MW (or 3 months before CSI commencement)

ADI Guidelines and Clarifications cont.

Market Segments and Incentives Values

Market Segments	System Size MW dc	Incentive Values (\$/SREC II)	Public Entities (\$20/SREC II Adder)
Net-Metered Residential	All Sizes	\$90	N/A
Small Net-Metered Non-Residential located on Rooftop, Carport, Canopy and Floating Solar	Project Smaller than 1 MW	\$100	\$120
Small Net Metered Non-Residential Ground Mount	Project Smaller than 1 MW	\$85	\$105
Large Net Metered Non-Residential Ground Mount	Projects 1 MW to 5 MW	\$80	\$100
Community Solar LMI	Up to 5 MW	\$90	N/A
Community Solar Non-LMI	Up to 5 MW	\$70	N/A
Interim Subsection (t) Grid	All Sizes	\$100	N/A

Changing SREC-II Ownership

Registrants that have a change to the System or SREC-II ownership must provide a copy of the newly executed contract reflecting the new owner together with a revised ADI Registration Certification form. If the change in ownership occurs after the SREC-II Certification Number has been issued, please contact GATS for guidance on how to make this change.

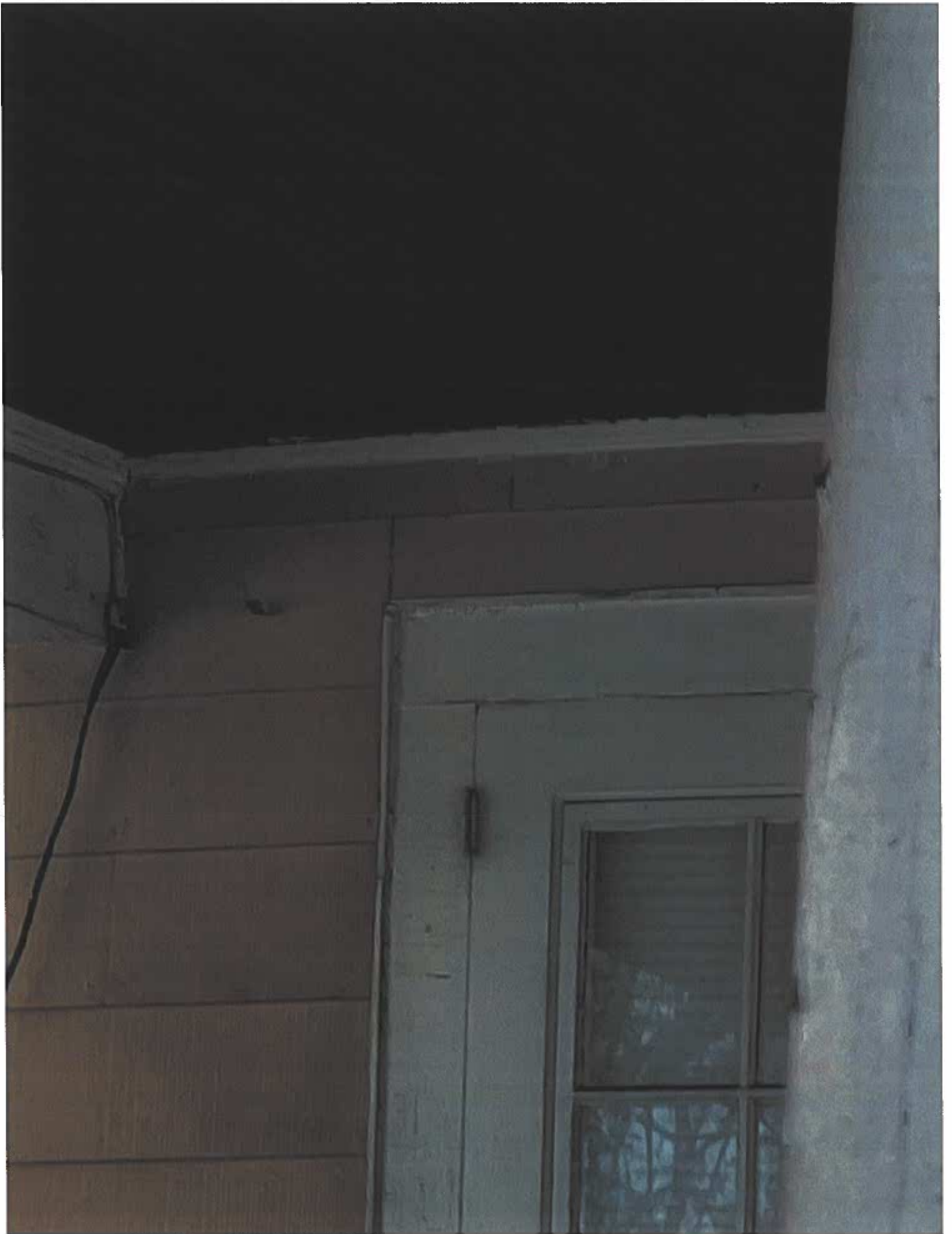
Location of ADI Program Forms and Documents

The Final As-Built Checklist and other program forms can be found at www.njcleanenergy.com.

Joyce Lanier

From: Alfonzo Williams <fonz705@me.com>
Sent: Tuesday, April 11, 2023 3:39 PM
To: Joyce Lanier; Bettye Williams
Subject: 705 South Center Street Orange NJ
Attachments: IMG_0339.MOV







From bettyeswilliams@aol.com <bettyeswilliams@aol.com>

To: Bettye S. Williams <bettyeswilliams@aol.com>

Date Today at 4:21 PM



Sent from the all new AOL app for iOS

From bettyeswilliams@aol.com <bettyeswilliams@aol.com>

To: Bettye S. Williams <bettyeswilliams@aol.com>

Date Today at 4:23 PM



Sent from the all new AOL app for iOS



From bettyeswilliams@aol.com <bettyeswilliams@aol.com>

To: Bettye S. Williams <bettyeswilliams@aol.com>

Date Today at 4:20 PM



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