



Loreen Harvey  
279 Broadway, Bldg 2  
Menands, NY 12204  
(518) 478 – 3906  
LHarvey@kasselmansolar.com

Village of Upper Nyack  
Architectural Review Board  
328 North Broadway  
Upper Nyack, New York 10960

RE: Nathalie Fiaschi / 3 Riverton Drive, Nyack, New York 10960 / PV Array

Dear Board,

Kasselman Solar, LLC. is proposing a 15.4 kW roof-mounted photovoltaic array for homeowner Nathalie Fiaschi at the above address. Information regarding the material specifications have been provided otherwise.

*I have enclosed documents, also submitted electronically:*

Project Narrative  
Rockland County ME License  
Engineer Stamped Drawings / Site Plan  
Photos of views of adjacent properties

*Description of existing & proposed use:*

Single-Family residential, no change in use.

Installation of 38 roof-mounted solar panels and equipment on parcel 60.13-2-81.2.

Installation should not exceed one day, installation of this project to ensue as soon as possible post permit reception.

Neighbors have not been specifically notified of the project we are proposing at this site at this time. The entire project will be installed on the rear/South facing side of the residence. The installation will not be visible to any significant degree, if any, to adjacent properties either by inaccessibility to view and/or natural screening.

The array layout has been designed to optimally generate efficient energy production and has been approved by the homeowner. Any major changes to the layout could reduce the effectiveness of the system though are receptive to minor adjustments from recommendations. Any new layout scheme would need to be re-evaluated for efficiency and approved by the homeowner. Additionally, the panel type is an all-black model.

Thank you for your consideration and we look forward to working with you on this project. I can be reached during normal working hours Mon-Fri by any of the contact means listed below.

Sincerely,

James Gardner  
Permit Coordinator

279 Broadway Bldg 2  
Menands, NY 12204  
(518) 918 4800  
[jgardner@kasselmansolar.com](mailto:jgardner@kasselmansolar.com)

**VILLAGE OF UPPER NYACK**

**328 NORTH BROADWAY**

**UPPER NYACK, NY 10960**

INCORPORATED 1872

Tel. 845-358-0084 FAX. 845-358-0741

www.uppernyack-ny.us

BUILDING PERMIT APPLICATION FOR

**SOLAR PANELS**

Application is hereby made for a Building Permit in conformance with the Zoning Ordinance of the Incorporated Village of Upper Nyack.

Submit the following:

- 2 copies of this application form
- 1 copy of deed
- 1 copy of survey in current homeowner's name
- 6 copies of site plan/enhanced survey, signed and sealed by license professional.  
Include: elevations, appearance from street, vicinity map, location & size of panels
- 6 copies of technical drawings detailing the installation. Must comply with the NYS Fire Prevention & Building Code and NYS Special Wind Region Requirements
- Manufacturers' specifications
- Engineer's report on structural integrity of roof
- Contractors Documentation: Rockland County License, Liability & Workers Compensation
- Payment of Architectural Review Board Fee at time of submission

Plans and specifications shall bear the stamp, seal, and signature of the person responsible for the design and drawings. Further information may be required by the office of the Building Inspector, as provided by the Zoning Ordinance of the Incorporated Village of Upper Nyack, if such is considered necessary for approval of this application.

Owner(s) \_\_\_\_\_

Address: \_\_\_\_\_

Phone # \_\_\_\_\_

Email Address \_\_\_\_\_

Property Address to which permit pertains: \_\_\_\_\_

PLEASE COMPLETE THE FOLLOWING

**Proposed work:** \_\_\_\_\_  
\_\_\_\_\_

**Total valuation of work:** \_\_\_\_\_

**County Tax ID Number of Property:** \_\_\_\_\_

**Zoning District** \_\_\_\_\_

**Zoning:** Single Family\_\_\_\_\_ Two Family\_\_\_\_\_ Other (specify)\_\_\_\_\_

**Sewage Disposal:** Public Sewers \_\_\_\_\_ Septic System\_\_\_\_\_

**Contractor Information:**

Name \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

**OFFICE OF THE BUILDING INSPECTOR  
INCORPORATED VILLAGE OF UPPER NYACK  
PROPERTY OWNER CERTIFICATION**

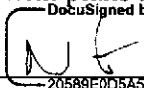
Inc. Village of Upper Nyack  
County of Rockland  
State of New York

Property Owner: Nathalie Fiaschi

Certifies that he/she resides at 3 Riverton Dr Nyack , NY 10960

and that he/she is the owner of all that certain lot, parcel of land and/or building located at  
3 Riverton Dr Nyack , NY 10960

and proposed construction will be performed in accordance with the New York State Building Code;  
in conformance with the Zoning Ordinance of the Incorporated Village of Upper Nyack; and in  
accordance with plans and specifications submitted herewith.

Signature  20589E0D5A584CE...

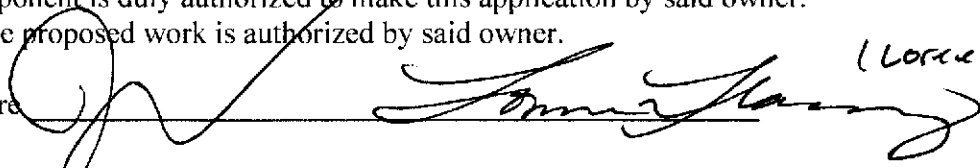
Date 9/12/2022 | 8:48 PM PDT

**STATEMENT BELOW ONLY TO BE FILLED OUT IN THE EVENT THIS APPLICATION  
IS MADE BY PERSON OTHER THAN OWNER OF PROPERTY**

Inc. Village of Upper Nyack  
County of Rockland  
State of New York

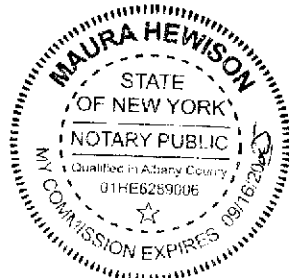
*James Gardner*  
Agent Name: Loreen Harvey: Kasselmann Solar being duly sworn deposes and says:

1. That Nathalie Fiaschi is the owner of the land that is the subject of this permit.
2. The deponent is duly authorized to make this application by said owner.
3. That the proposed work is authorized by said owner.

Agent Signature  *(Loreen Harvey)*

Sworn to before me this 2nd day of February 2023

(Notary Public)



VILLAGE OF UPPER NYACK GENERAL MUNICIPAL LAW 809 STATEMENT

APPLICATION NAME: Nathalie Fiaschi PV Array Installation

APPEARING BEFORE (CIRCLE ALL THAT APPLY):

PLANNING BOARD

ZONING BOARD OF APPEALS

ARCHITECTURAL REVIEW BOARD

BOARD OF TRUSTEES

STATE OF NEW YORK ) ss:

COUNTY OF Albany )

James Gardner: Kasselmann Solar, LLC. being duly sworn, deposes and says: (deponent name)

Your deponent is over 18 years of age and (resides at) or (maintains an office at) [circle one]:

3 Riverton Dr, Nyack, NY 10960

Deponent is the (a) applicant, (b) one of the applicants, (c) officer of applicant A

(state office held), (d) partner or principal in applicant. [circle applicable status].

To deponent's knowledge, the following state, county, Town of Clarkstown or Village of Upper Nyack officers or employees have an interest in the applicant as defined in General Municipal Law § 809 (for each person identified state his or her name, residence address and the nature and extent of his or her interest in the applicant; if none, so state):

N/A

N/A

N/A

N/A

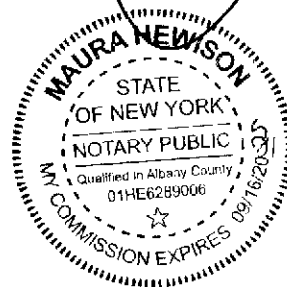
N/A

N/A

(Signed)

Sworn to before me this Feb 2 day of 2023.

Maura Kathleen Hewson Notary Public



**VILLAGE OF UPPER NYACK ARCHITECTURAL REVIEW BOARD  
SUBMISSION CHECKLIST**

Applications for Solar Panels

Please include a completed copy of this checklist with your submission. If any item on the checklist is not included, please provide an explanation as to why it is not included.

**Incomplete submissions may be rejected.**

Please check where included	Description
	Completed Solar Panel Building Permit Application <b>[Submit two (2)]</b>
	Application fee \$150 made payable to the Village of Upper Nyack
	Copy of Deed to present owner of property. Agents and Contract Vendees must have written authorization from the owner to appear in front of the ARB. <b>[Submit one (1)]</b>
	General Municipal Law Section 809 Disclosure Form <b>[Submit one (1)]</b>
	A descriptive project narrative in the form of a cover letter or separate narrative. <b>[Submit six (6)]</b>
	Site plan/enhanced survey in the current owner’s name, signed and sealed by license professional. Include: elevations, appearance from street, vicinity map, location & size of panels. <b>[Submit six (6)]</b>
	Technical drawings detailing the installation and engineer’s report on structural integrity of roof. Must comply with the NYS Fire Prevention & Building Code and NYS Special Wind Region Requirement. <b>[Submit six (6); all must be signed and sealed]</b>
	Manufacturers’ specifications <b>[Submit two (2)]</b>
	Color photographs of the subject property and all buildings and structures located thereon. These photographs should include at least one photograph of each side (north, east, south and west) of the building or structure on the property. <b>[Submit six (6) sets of photos]</b>
	Color photographs of buildings and structures located on adjacent properties and properties directly across the street. These photographs should be taken from the applicant’s property or from the public street; applicants may <b>not</b> enter upon private property without the owner’s permission in order to take such photographs. <b>[Submit six (6) sets of photos]</b>

\* Prior to the issuance of any building permit, Contractors Documentation (Rockland County License, Liability & Workers Compensation) must be submitted to the Building Department.

ONE PDF COPY OF ALL PLANS PHOTOGRAPHS AND TECHNICAL REPORTS MUST BE SUBMITTED BY ELECTRONIC MAIL TO boardsecretary@uppernyack-ny.us. PLEASE USE THE APPLICANT NAME AND ADDRESS AS THE RE OF THE EMAIL

Additional Notes Regarding Solar Panel Applications. The ARB has a strong preference for solar panel designs that incorporate the following:

1. Black anti-glare panels with black framing.
2. Installation of panels on the second-story roof if the building is two stories in height or taller.
3. Solar panels arranged in rectangular shaped arrays or in a geometric arrangement that conforms with the shape of the roof on which the panels are located.

If the proposed arrangement and selection of solar panels do not comply with these criteria, the applicant must explain why such compliance is not feasible and how its proposal is consistent with the surrounding neighborhood.

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

^ ^ ^ ^ ^ ^ 464740969

LOVELL SAFETY MGMT CO., LLC  
110 WILLIAM STREET 12TH FLR  
NEW YORK NY 10038



SCAN TO VALIDATE  
AND SUBSCRIBE

<b>POLICYHOLDER</b> KASSELMAN SOLAR LLC 279 BROADWAY, STE 2 MENANDS NY 12204		<b>CERTIFICATE HOLDER</b> VILLAGE OF UPPER NYACK 328 N BROADWAY NYACK NY 10960	
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<b>POLICY NUMBER</b> Z 2329 433-3	<b>CERTIFICATE NUMBER</b> 637620	<b>POLICY PERIOD</b> 04/01/2022 TO 04/01/2023	<b>DATE</b> 03/17/2022
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THIS IS TO CERTIFY THAT THE POLICYHOLDER NAMED ABOVE IS INSURED WITH THE NEW YORK STATE INSURANCE FUND UNDER POLICY NO. 2329 433-3, COVERING THE ENTIRE OBLIGATION OF THIS POLICYHOLDER FOR WORKERS' COMPENSATION UNDER THE NEW YORK WORKERS' COMPENSATION LAW WITH RESPECT TO ALL OPERATIONS IN THE STATE OF NEW YORK, EXCEPT AS INDICATED BELOW.

**IF YOU WISH TO RECEIVE NOTIFICATIONS REGARDING SAID POLICY, INCLUDING ANY NOTIFICATION OF CANCELLATIONS, OR TO VALIDATE THIS CERTIFICATE, VISIT OUR WEBSITE AT [HTTPS://WWW.NYSIF.COM/CERT/CERTVAL.ASP](https://www.nysif.com/cert/certval.asp). THE NEW YORK STATE INSURANCE FUND IS NOT LIABLE IN THE EVENT OF FAILURE TO GIVE SUCH NOTIFICATIONS.**

THIS POLICY DOES NOT COVER THE SOLE PROPRIETOR, PARTNERS AND/OR MEMBERS OF A LIMITED LIABILITY COMPANY.

THE POLICY INCLUDES A WAIVER OF SUBROGATION ENDORSEMENT UNDER WHICH NYSIF AGREES TO WAIVE ITS RIGHT OF SUBROGATION TO BRING AN ACTION AGAINST THE CERTIFICATE HOLDER TO RECOVER AMOUNTS WE PAID IN WORKERS' COMPENSATION AND/OR MEDICAL BENEFITS TO OR ON BEHALF OF AN EMPLOYEE OF OUR INSURED IN THE EVENT THAT, PRIOR TO THE DATE OF THE ACCIDENT, THE CERTIFICATE HOLDER HAS ENTERED INTO A WRITTEN CONTRACT WITH OUR INSURED THAT REQUIRES THAT SUCH RIGHT OF SUBROGATION BE WAIVED.

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS NOR INSURANCE COVERAGE UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICY.

NEW YORK STATE INSURANCE FUND

DIRECTOR, INSURANCE FUND UNDERWRITING

VALIDATION NUMBER: 985475615







# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/29/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Arthur J. Gallagher Risk Management Services, Inc. 30 Century Hill Drive Suite 200 Latham NY 12110	<b>CONTACT NAME:</b> Susan Marlette <b>PHONE (A/C, No, Ext):</b> 518-556-3130 <b>E-MAIL ADDRESS:</b> Susan_Marlette@AJG.com	<b>FAX (A/C, No):</b> 518-869-3580
	<b>INSURER(S) AFFORDING COVERAGE</b>	
License#: BR-724491 KASSSOL-01	<b>INSURER A:</b> Southwest Marine & General Ins Co <b>INSURER B:</b> Selective Insurance Company of America <b>INSURER C:</b> ShelterPoint Life Insurance Company <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	<b>NAIC #</b> 12294 12572 81434


**COVERAGES** **CERTIFICATE NUMBER:** 1467386637 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> BI/PD Ded:5,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y		GL202200011431	3/24/2022	3/24/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			S2513625	3/24/2022	3/24/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			EX202200001814	3/24/2022	3/24/2023	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C B	Disability Installation Floater			DBL441239 S2513625	3/24/2022 3/24/2022	3/24/2023 3/24/2023	NY Statutory \$500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER** **CANCELLATION**

Village of Upper Nyack 328 N Broadway Nyack NY 10960 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# CERTIFICATE OF INSURANCE COVERAGE DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

**PART 1. To be completed by Disability and Paid Family Leave Benefits Carrier or Licensed Insurance Agent of that Carrier**

<p>1a. Legal Name &amp; Address of Insured (use street address only)</p> <p>Kasselman Solar LLC 279 Broadway, Building 2 Menands, NY 12204</p> <p>Work Location of Insured <i>(Only required if coverage is specifically limited to certain locations in New York State, i.e., Wrap-Up Policy)</i></p>	<p>1b. Business Telephone Number of Insured</p> <p>518-478-8365</p> <p>1c. Federal Employer Identification Number of Insured or Social Security Number</p> <p>464740969</p>
<p>2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder)</p> <p>Village of Upper Nyack 328 N Broadway Nyack, NY 10960 USA</p>	<p>3a. Name of Insurance Carrier</p> <p>ShelterPoint Life Insurance Company</p> <p>3b. Policy Number of Entity Listed in Box "1a"</p> <p>DBL441239</p> <p>3c. Policy effective period</p> <p style="text-align: center;">03/24/2022 <span style="margin-left: 100px;">to</span> 03/24/2023</p>

4. Policy provides the following benefits:

A. Both disability and paid family leave benefits.

B. Disability benefits only.

C. Paid family leave benefits only.

5. Policy covers:

A. All of the employer's employees eligible under the NYS Disability and Paid Family Leave Benefits Law.

B. Only the following class or classes of employer's employees:

\_\_\_\_\_

\_\_\_\_\_

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has NYS Disability and/or Paid Family Leave Benefits insurance coverage as described above.

Date Signed 3/29/2022 By *Robert Crandall*  
(Signature of insurance carrier's authorized representative or NYS Licensed Insurance Agent of that insurance carrier)

Telephone Number 518-556-3130 Name and Title Robert Crandall Area President

**IMPORTANT:** If Boxes 4A and 5A are checked, and this form is signed by the insurance carrier's authorized representative or NYS Licensed Insurance Agent of that carrier, this certificate is COMPLETE. Mail it directly to the certificate holder.

If Box 4B, 4C or 5B is checked, this certificate is NOT COMPLETE for purposes of Section 220, Subd. 8 of the NYS Disability and Paid Family Leave Benefits Law. It must be mailed for completion to the Workers' Compensation Board, Plans Acceptance Unit, PO Box 5200, Binghamton, NY 13902-5200.

**PART 2. To be completed by the NYS Workers' Compensation Board (Only if Box 4C or 5B of Part 1 has been checked)**

**State of New York  
Workers' Compensation Board**

According to information maintained by the NYS Workers' Compensation Board, the above-named employer has complied with the NYS Disability and Paid Family Leave Benefits Law with respect to all of his/her employees.

Date Signed \_\_\_\_\_ By \_\_\_\_\_  
(Signature of Authorized NYS Workers' Compensation Board Employee)

Telephone Number \_\_\_\_\_ Name and Title \_\_\_\_\_

**Please Note:** Only insurance carriers licensed to write NYS disability and paid family leave benefits insurance policies and NYS licensed insurance agents of those insurance carriers are authorized to issue Form DB-120.1. **Insurance brokers are NOT authorized to issue this form.**



## Additional Instructions for Form DB-120.1

By signing this form, the insurance carrier identified in Box 3 on this form is certifying that it is insuring the business referenced in box "1a" for disability and/or paid family leave benefits under the New York State Disability and Paid Family Leave Benefits Law. The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed as the certificate holder in Box 2.

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is cancelled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from coverage indicated on this Certificate. (These notices may be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in Box 3c, whichever is earlier

This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Disability and/or Paid Family Leave Benefits contract of insurance only while the underlying policy is in effect.

**Please Note: Upon the cancellation of the disability and/or paid family leave benefits policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of NYS Disability and/or Paid Family Leave Benefits Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Disability and Paid Family Leave Benefits Law.**

### DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

#### §220. Subd. 8

(a) The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in employment as defined in this article, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand and twenty-one, the payment of family leave benefits for all employees has been secured as provided by this article. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any disability benefits to any such employee if so employed.

(b) The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in employment as defined in this article and notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that the payment of disability benefits and after January first, two thousand eighteen, the payment of family leave benefits for all employees has been secured as provided by this article.

Donna G. Silberman, County Clerk  
1 South Main St., Ste. 100  
New City, NY 10956  
(845) 638-5070

## Rockland County Clerk Recording Cover Sheet

Received From :  
FIDELITY NATIONAL TITLE  
1415 KELLUM PLACE  
GARDEN CITY, NY 11530

Return To :  
FIDELITY NATIONAL TITLE  
1415 KELLUM PLACE  
GARDEN CITY, NY 11530

Method Returned : ERECORDING

**First GRANTOR**

GREENBERG, JONATHAN

**First GRANTEE**

FIASCHI, NATHALIE M

Index Type : Land Records

Instr Number : 2021-00011949

Book : Page :

Type of Instrument : Deed

Type of Transaction : Deed

Recording Fee: \$201.00

Recording Pages : 5

**Real Estate Transfer Tax**

RETT # : 5201

Deed Amount : \$880,000.00

RETT Amount : \$3,520.00

Total Fees : \$3,721.00

The Property affected by this instrument is situated in Clarkstown, in the  
County of Rockland, New York

State of New York

County of Rockland

I hereby certify that the within and foregoing was  
recorded in the Clerk's office for Rockland  
County, New York

On (Recorded Date) : 03/18/2021

At (Recorded Time) : 1:50:00 PM

*Donna G. Silberman*

Donna G. Silberman  
County Clerk



This Indenture, made the 15th day of March Two Thousand Twenty One

Between

Jonathan Greenberg 3 Riverton Drive Upper Nyack, NY 10960

party of the first part, and

Nathalie M. Fiaschi 377 Martling Avenue Tarrytown, NY 10591

party of the second part,

Witnesseseth, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs and successors and assigns of the party of the second part forever,

All that certain plots, pieces or parcels of land, with the buildings and improvements thereon erected, situate, lying and being in the Town of ~~Orangetown~~ Clarkstown, County of Rockland, and State of New York being more particularly bounded and described as follows:

SEE ATTACHED SCHEDULE "A"

Being and intended to be the same premises conveyed to the party of the first part by deed made by WB Upper Nyack Inc, dated October 22, 2010 recorded November 9, 2010 in the Rockland County Clerk's Office in Instrument No. 2010-00040266.

Together with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises; To Have And To Hold the premises herein granted unto the party of the second part, the heirs and successors and assigns of the party of the second part forever.  
And the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

And the part of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.  
In Witness Whereof, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

*Jonathan Greenberg* By: *Walter R. Sebastian,*  
Jonathan Greenberg *Walter R. Sebastian,*  
Agent

\* Power of Attorney to be Recorded Simultaneously.

(New)

**SCHEDULE A-1  
(Description of the Land)**

ALL that certain plot, piece or parcel of land situate, lying and being in the Village of Upper Nyack, Town of Clarkstown, County of Rockland and State of New York, shown and designated as Lot 2 on a certain map entitled, "Courtyard at Upper Nyack, Village of Upper Nyack, New York", last dated 1/25/08 and filed in the Rockland County Clerk's Office on 3/3/08 as Map No. 7971.

FOR INFORMATION ONLY: Premises also known as 3 Riverton Drive, Nyack, NY  
Section 60.13 Block 2 Lot 81.2

\*\*\*METES AND BOUNDS DESCRIPTION TO BE PROVIDED UPON RECEIPT OF A GUARANTEED, CERTIFIED SURVEY\*\*\*

THE POLICY TO BE ISSUED under this commitment will insure the title to such buildings and improvements on the premises which by law constitute real property.

FOR CONVEYANCING ONLY: Together with all the right, title and interest of the party of the first part, of in and to the land lying in the street in front of and adjoining said premises.

END OF SCHEDULE A

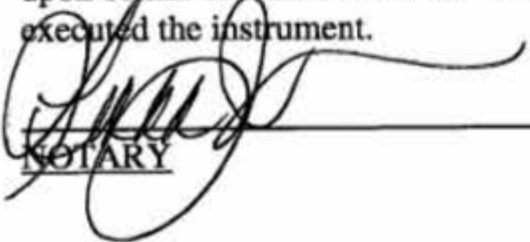
**UNOFFICIAL**

State of New York County of Rockland ss:

On the 15th day of March in the year 2021  
before me personally appeared

**Walter R. Sevastian**

personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

  
\_\_\_\_\_  
NOTARY

Linda Jacobsen Notary Public  
State of NY Rockland County  
Reg. #: 01JA6339796  
Commission expires 04/04/2028<sup>24</sup>

**UNOFFICIAL**

**Bargain and Sale Deed**

With Covenant Against Grantor's Acts

Title No. \_\_\_\_\_

SECTION 60.13  
BLOCK 2  
LOTS 81.2  
TOWN Clarkstown  
COUNTY Rockland

TO

RETURN BY MAIL TO:

\_\_\_\_\_  
Richard Strassfield, Esq.  
81 Main Street, Suite 205  
White Plains, NY 10601

\_\_\_\_\_

FOR COUNTY USE ONLY

C1. SWIS Code 392001

C2. Date Deed Recorded 3/18/2021  
Month / Day / Year

C3. Book 2021 C4. Page 11949



**New York State Department of Taxation and Finance**  
 Office of Real Property Tax Services  
**RP- 5217-PDF**  
 Real Property Transfer Report (8/10)

**PROPERTY INFORMATION**

1. Property Location 3 Riverton Drive  
\* STREET NUMBER \* STREET NAME

Clarkstown Upper Nyack  
\* CITY OR TOWN VILLAGE

2. Buyer Name Fiaschi Nathalie M.  
\* LAST NAME/COMPANY FIRST NAME

3. Tax Billing Address  
 Indicate where future Tax Bills are to be sent if other than buyer address(at bottom of form)

LAST NAME/COMPANY FIRST NAME  
 STREET NUMBER AND NAME CITY OR TOWN STATE ZIP CODE

4. Indicate the number of Assessment Roll parcels transferred on the deed 1 # of Parcels OR  Part of a Parcel (Only if Part of a Parcel) Check as they apply:

5. Deed Property Size X 0.46  
\* FRONT FEET \* DEPTH \* ACRES

4A. Planning Board with Subdivision Authority Exists   
 4B. Subdivision Approval was Required for Transfer   
 4C. Parcel Approved for Subdivision with Map Provided

6. Seller Name Greenberg Jonathan  
\* LAST NAME/COMPANY FIRST NAME

7. Select the description which most accurately describes the use of the property at the time of sale:

A. One Family Residential

Check the boxes below as they apply:  
 8. Ownership Type is Condominium   
 9. New Construction on a Vacant Land   
 10A. Property Located within an Agricultural District   
 10B. Buyer received a disclosure notice indicating that the property is in an Agricultural District

**SALE INFORMATION**

11. Sale Contract Date 12/30/2020

\* 12. Date of Sale/Transfer 3/15/2021

\* 13. Full Sale Price 880,000.00  
( Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) Please round to the nearest whole dollar amount.

14. Indicate the value of personal property included in the sale 0.00

15. Check one or more of these conditions as applicable to transfer:  
 A. Sale Between Relatives or Former Relatives  
 B. Sale between Related Companies or Partners in Business.  
 C. One of the Buyers is also a Seller  
 D. Buyer or Seller is Government Agency or Lending Institution  
 E. Deed Type not Warranty or Bargain and Sale (Specify Below)  
 F. Sale of Fractional or Less than Fee Interest (Specify Below)  
 G. Significant Change in Property Between Taxable Status and Sale Dates  
 H. Sale of Business is Included in Sale Price  
 I. Other Unusual Factors Affecting Sale Price (Specify Below)  
 J. None

Comment(s) on Condition:

**ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill**

16. Year of Assessment Roll from which information taken (YY) 20

\* 17. Total Assessed Value 354,000

\* 18. Property Class 210

\* 19. School District Name Nyack

\* 20. Tax Map Identifier(s)/Roll Identifier(s) (if more than four, attach sheet with additional Identifier(s))  
60.13-2-81.2

**CERTIFICATION**

I Certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein subject me to the provisions of the penal law relative to the making and filing of false instruments.

SELLER SIGNATURE Johna Kuba of West, Agent 3/15/21

BUYER SIGNATURE Taell 03/15/2021

**BUYER CONTACT INFORMATION**  
(Enter information for the buyer. Note: If buyer is LLC, society, association, corporation, joint stock company, estate or entity that is not an individual agent or fiduciary, then a name and contact information of an individual/responsible party who can answer questions regarding the transfer must be entered. Type or print clearly.)

Fiaschi Nathalie  
\* LAST NAME FIRST NAME

412 600-0425  
\* AREA CODE \* TELEPHONE NUMBER (Ex: 908099)

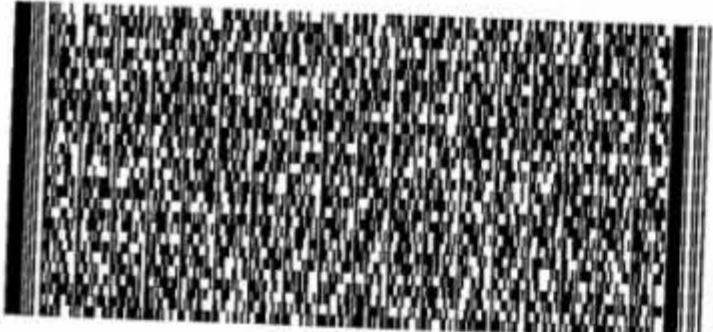
3 Riverton Court  
\* STREET NUMBER \* STREET NAME

Orangetown NY 10960  
\* CITY OR TOWN \* STATE \* ZIP CODE

**BUYER'S ATTORNEY**

Strassfield Richard  
LAST NAME FIRST NAME

(914) 683-2500  
AREA CODE TELEPHONE NUMBER (Ex: 908099)





**CONSUMER PROTECTION / WEIGHTS & MEASURES**

50 Sanatorium Road, Building A, 8th Floor  
Pomona, NY 10970  
(845) 364-3901 Fax: (845) 364-3902  
CPLCAL@co.rockland.ny.us

The issuance and retention of this license is contingent upon the licensee's compliance with the laws of the State of New York and the County of Rockland, the rules and regulations of the Office of Consumer Protection, and the rules and regulations of all other New York State and Rockland County agencies, now in effect or which may hereafter be enacted.

LICENSED FOR

**HOME IMPROVEMENT**

LICENSE NUMBER: **H-19093** LICENSE CLASSIFICATIONS:

**40 Solar Panel Installer**

ISSUED TO: **Kasselman Solar, LLC**  
279 Broadway  
Building 2  
Menands, NY 12204

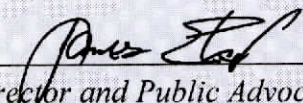
LICENSE HOLDER: **Steven M. Kasselman**

INITIAL APPLICATION DATE: **3/8/2019**

EFFECTIVE DATE: **4/1/2022**

EXPIRATION DATE: **3/31/2023**

LICENSE RESTRICTIONS: **Solar Installation only**

  
\_\_\_\_\_  
Director and Public Advocate

4/5/2022

**PLEASE NOTE:**

**THIS LICENSE MUST BE CONSPICUOUSLY DISPLAYED**

**This Does Not Constitute A Mechanical Or Electrical License**

**CONSUMER PROTECTION / WEIGHTS & MEASURES**

50 Sanatorium Road, Building A, 8th Floor

Pomona, NY 10970

(845) 364-3901 Fax: (845) 364-3902

CPLCAL@co.rockland.ny.us

The issuance and retention of this license is contingent upon the licensee's compliance with the laws of the State of New York and the County of Rockland, the rules and regulations of the Office of Consumer Protection, and the rules and regulations of all other New York State and Rockland County agencies, now in effect or which may hereafter be enacted.

LICENSED FOR

**ELECTRICAL**

LICENSE NUMBER: **E-19081**

ISSUED TO: **Kasselman Solar, LLC**

279 Broadway

Bldg 2

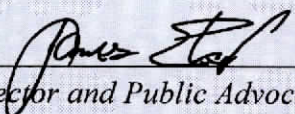
Menands, NY 12204

SUPERVISOR OF THE WORK: **Ernesto Cimmino**

INITIAL APPLICATION DATE: **02/28/2019**

EFFECTIVE DATE: **09/01/2022**

EXPIRATION DATE: **08/31/2023**

  
Director and Public Advocate

10/11/2022

**PLEASE NOTE:**

**THIS LICENSE MUST BE CONSPICUOUSLY DISPLAYED**

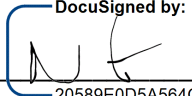
**This Does Not Constitute A Home Improvement Or Mechanical License**



279 Broadway  
Building #2  
Menands, NY 12204  
(518)-478-8365  
(518)-953-1095 Fax

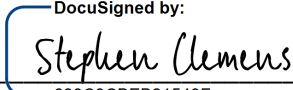
I Nathalie Fiaschi (Customer) hereby authorize Kasselman Solar LLC, to act as customer, agent & contractor, and to submit all necessary permit applications and supporting documents to the Town Building Department on my behalf.

Customer Name (Print) Nathalie Fiaschi

Customer Signature  20589E0D5A564CE...

Customer Address 3 Riverton Dr, Nyack, NY 10960

Municipality that issues your Building Permit Upper Nyack

Kasselman Solar Employee Signature  639C9CBEB21549F...

To: Kasselman Solar  
279 Broadway Bldg. 2  
Menands, NY

Date: February 7, 2023  
Ref.: 22080028

Subject: Fiaschi Residence  
3 Riverton Dr.  
Nyack, NY

To Whom It May Concern,

The following references the structural roof analysis of the Fiaschi residence located in Nyack, NY. Westshore Design Engineers has been retained in order to analyze the existing roof structure for adequacy in supporting the proposed additional loading due to rooftop solar panels. The site-specific loadings are as follows: Seismic Design Category B; basic Wind Speed of 115mph; and Ground Snow Load of 30psf, per ASCE 7-16. The existing roofs consist of 2x8 at 16"o.c. with a 13'-10" span and pre-fabricated/engineered wood trusses at 24"o.c. The codes also include 2020 NYS Building Code and 2021 IEBC.

Based on structural analysis, it has been determined that the R1, R2 and R3 roofs are adequate to support rooftop solar panels with a maximum loading of 3psf.

The panel layout is not restricted within the specified portions of roof. "Snap N Rack" L-foot anchors with 5/16" diameter lags required at 48" on center maximum with 2.5" minimum embed or racking system of equal or greater design values.

Please don't hesitate to contact us with additional requests.

Thank you.

Westshore Design Engineers



John Eibert  
Project Coordinator

2/7/2023  
Nicolas Nitti, P.E.  
President

# PHOTOVOLTAIC ROOF MOUNT SYSTEM

38 MODULES-ROOF MOUNTED - 15.39 KWDC, 13.26 KWAC  
3 RIVERTON DRIVE, NYACK, NY 10960 USA



KASSELMAN SOLAR  
279 BROADWAY BUILDING 2,  
MENANDS, NY 12204, USA  
PHONE:- 5187030976  
EMAIL:-  
scott.stevens@kasselmansolar.com

## SYSTEM SUMMARY:

- (N) 38 - REC SOLAR REC405AA PURE BLACK (405W) MODULES
- (N) 38 - ENPHASE ENERGY IQ8A-72-2-US MICRO-INVERTERS
- (N) 01 - JUNCTION BOX
- (E) 200A MAIN SERVICE PANEL WITH (E) 200A MAIN BREAKER
- (N) 100A FUSED AC DISCONNECT
- (N) ENPHASE IQ COMBINER BOX 4

## DESIGN CRITERIA:

ROOF TYPE: - ASPHALT SHINGLE  
NUMBER OF LAYERS: - 01  
ROOF FRAME: - 2"X8" RAFTERS @ 16" O.C.  
STORY: - THREE STORY  
SNOW LOAD:- 30 PSF  
WIND SPEED:- 115 MPH  
WIND EXPOSURE:- B  
EXPOSURE CATEGORY:- II  
**COORDINATES:-** 41.102802, -73.925265

## SHEET INDEX

PV-0	COVER SHEET
PV-1	SITE PLAN WITH ROOF PLAN
PV-2	ROOF PLAN WITH MODULES
PV-3	ATTACHMENT DETAILS
PV-3.1	STRUCTURE ELEVATION
PV-4+	EQUIPMENT SPEC SHEETS

## GOVERNING CODES:

2017 NATIONAL ELECTRICAL CODE (NEC)  
2020 INTERNATIONAL FIRE CODE (IFC)  
2020 INTERNATIONAL RESIDENCE CODE (IRC)

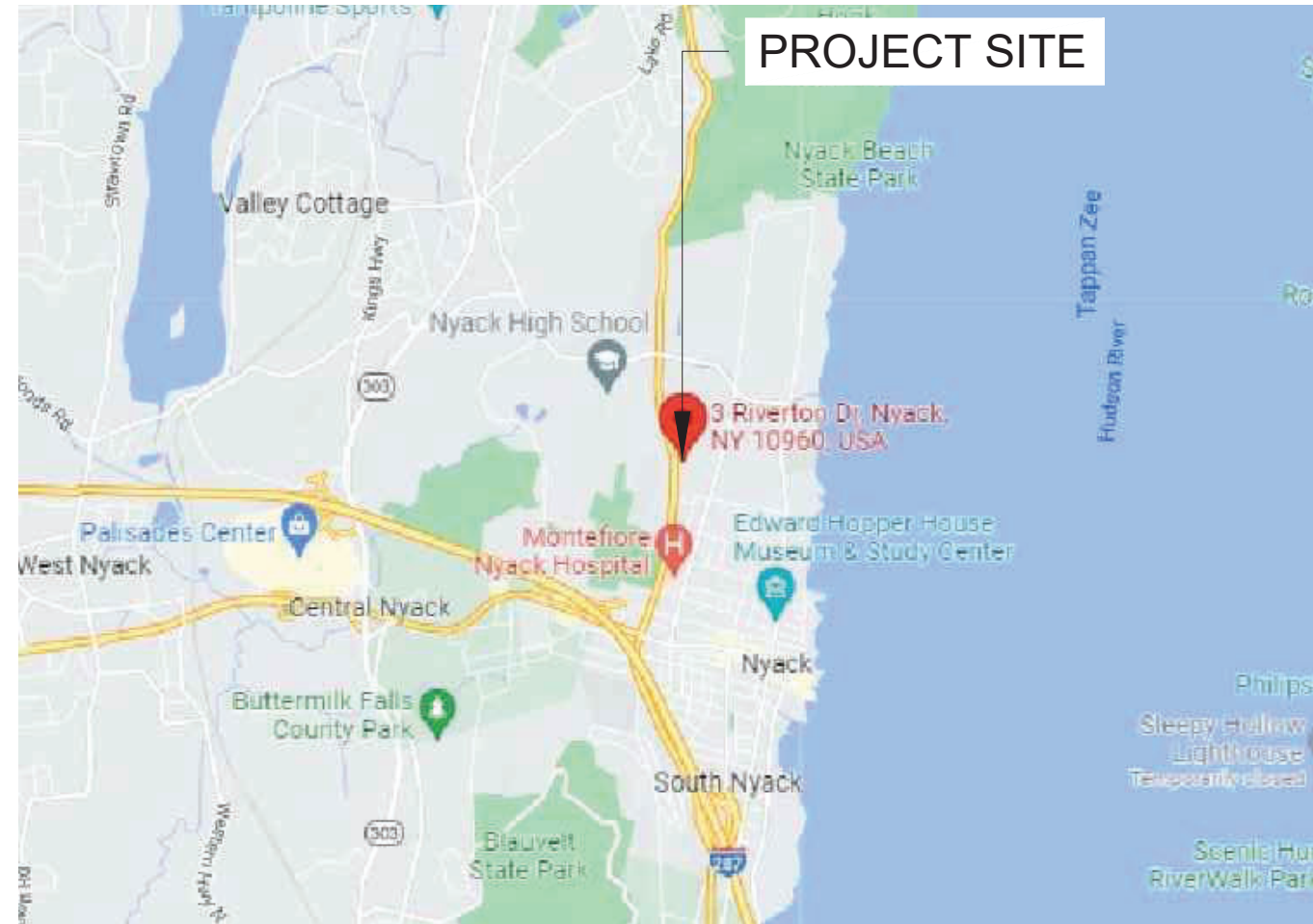
## GENERAL NOTES:

1. INSTALLATION IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. ENGINEER TO INSPECT PROJECT AFTER INSTALLATION AND CERTIFY COMPLIANCE.
3. PROJECT TO BE INSTALLED WITH CODE COMPLIANT RACKING INSTRUCTIONS FOR UNI-RAC SOLAR MOUNT SYSTEM.
4. FOLLOW BALLASTING SCHEDULE ON ROOF PLAN.
5. THE SOLAR INSTALLATION CONTRACTOR, COMPLIES WITH ALL LICENSING & ALL RELATED REQUIREMENTS OF THE GOVERNING MUNICIPALITIES AND THE LOCAL ELECTRIC UTILITY AHJ'S.
6. THIS PROJECT WILL COMPLY WITH THE CURRENT NEC REQUIREMENTS INCLUDING ARTICLE 690 SOLAR PHOTOVOLTAIC PV SYSTEMS.
7. THE ROOF WILL HAVE NO MORE THAN A SINGLE LAYER OF ROOF COVERING IN ADDITION TO THE SOLAR EQUIPMENT.
8. INSTALLATION WILL BE FLUSH-MOUNTED, PARALLEL TO AND NO MORE THAN 6.5" ABOVE ROOF
9. MAINTAIN A MINIMUM OF 18" CLEARANCE AT RIDGE AND AT ONE GABLE EAVE.
10. THIS DESIGN COMPLIES WITH 115 MPH WIND REQUIREMENTS OF THE RESIDENTIAL CODE OF N.Y.S AND ASCE 7-10.
11. WHEREVER THE ROOF PLAN DOES NOT COMPLY WITH ACCESS AND VENTILATION REQUIREMENTS OF THE GOVERNING CODE, INSTALLER ALTERNATIVE VENTILATION METHODS WILL BE EMPLOYED. REVIEW AND APPROVAL SHALL BE AT THE DISCRETION OF THE MUNICIPALITY IN WHICH THIS DOCUMENT HAS BEEN FILED.
12. THE DESIGN PLANS COMPLY WITH THE 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND RESIDENTIAL BUILDING CODE.

VERSION		
DESCRIPTION	DATE	VER.
BLDG.PERMIT	09/06/2022	V0



ARRAY LOCATIONS



PROJECT SITE

PROJECT NAME  
NATHALIE FIASCHI  
3 RIVERTON DRIVE,  
NYACK, NY 10960 USA  
APN# 392001.060.013-0002-081.002/0000  
UTILITY: N/A  
AHJ: TOWN OF CLARKSTOWN

SHEET NAME  
COVER SHEET

SHEET SIZE  
ANSI B  
11" X 17"

SHEET NUMBER  
PV-0

1 | AERIAL PHOTO

PV-0 | SCALE: NTS

2 | VICINITY MAP

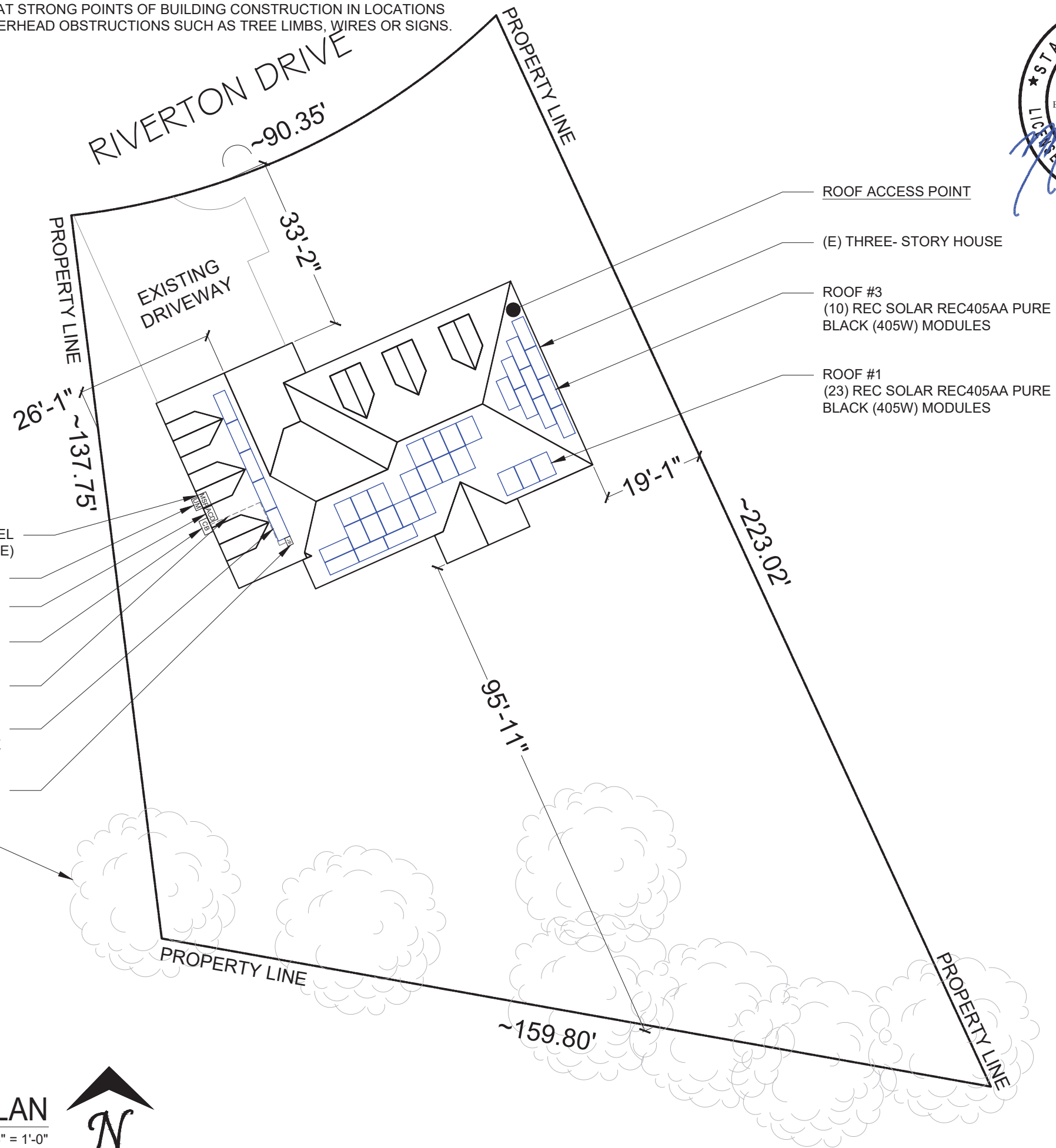
PV-0 | SCALE: NTS



● **ROOF ACCESS POINT** SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES OR SIGNS.



KASSELMAN SOLAR  
279 BROADWAY BUILDING 2,  
MENANDS, NY 12204, USA  
PHONE:- 5187030976  
EMAIL:-  
scott.stevens@kasselmansolar.com



- ROOF ACCESS POINT
- (E) THREE- STORY HOUSE
- ROOF #3  
(10) REC SOLAR REC405AA PURE BLACK (405W) MODULES
- ROOF #1  
(23) REC SOLAR REC405AA PURE BLACK (405W) MODULES

- (E) 200A MAIN SERVICE PANEL WITH (E) 200A MAIN BREAKER (INSIDE)
- (E) UTILITY METER
- (N) 100A FUSED AC DISCONNECT (INSIDE)
- (N) ENPHASE IQ COMBINER BOX 4
- (N) 3/4" OR GREATER EMT CONDUIT RUN (7/8 INCHES ABOVE ROOF)
- ROOF #2  
(05) REC SOLAR REC405AA PURE BLACK (405W) MODULES
- (N) JUNCTION BOX
- (E) TREE (TYP.)

VERSION		
DESCRIPTION	DATE	VER.
BLDG.PERMIT	09/06/2022	V0

PROJECT NAME  
NATHALIE FIASCHI  
3 RIVERTON DRIVE,  
NYACK, NY 10960 USA  
APN# 392001.060.013-0002-081.002/0000  
UTILITY: N/A  
AHJ: TOWN OF CLARKSTOWN

SHEET NAME  
SITE PLAN WITH  
ROOF PLAN

SHEET SIZE  
ANSI B  
11" X 17"

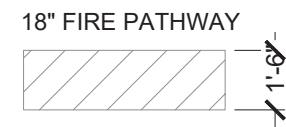
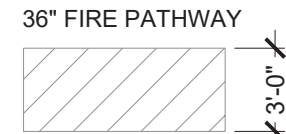
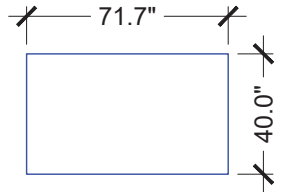
SHEET NUMBER  
PV-1



# MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 38 MODULES  
 MODULE TYPE = REC SOLAR REC405AA PURE BLACK (405W) MODULES  
 MODULE WEIGHT = 45.0 LBS / 20.5 KG.  
 MODULE DIMENSIONS = 71.7" X 40.0" = 19.92 SF  
 UNIT WEIGHT OF ARRAY = 2.26 PSF

PHOTOVOLTAIC MODULES  
 REC SOLAR REC405AA  
 PURE BLACK (405W)



RIVERTON DRIVE  
 FRONT YARD

ARRAY AREA & ROOF AREA CALC'S				
ROOF	# OF MODULES	ARRAY AREA (Sq. Ft.)	ROOF AREA (Sq. Ft.)	ROOF AREA COVERED BY ARRAY (%)
#1	23	458.08	781.63	58.61
#2	05	99.58	370.78	26.86
#2	10	199.17	418.12	47.63

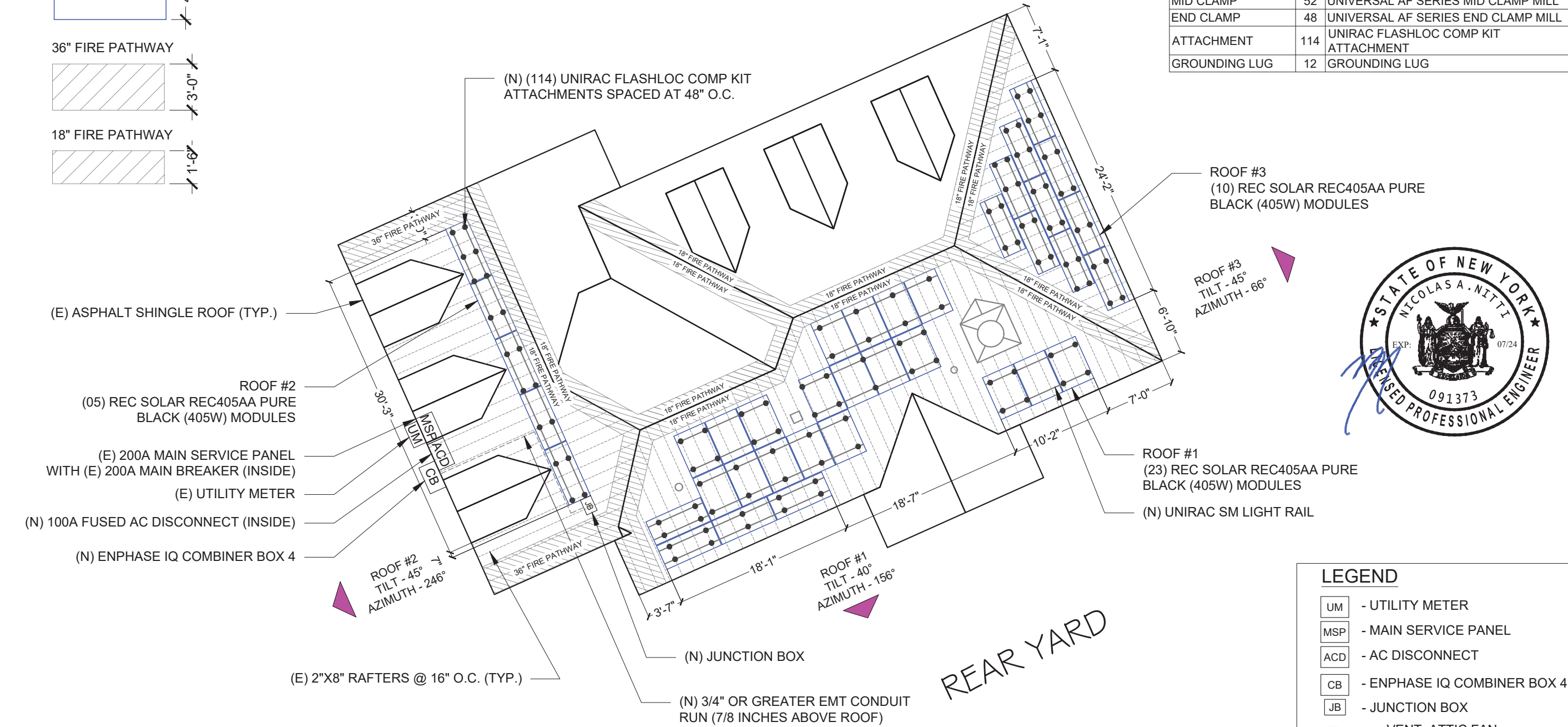
ROOF DESCRIPTION				
ROOF TYPE			ASPHALT SHINGLE ROOF	
ROOF	ROOF TILT	AZIMUTH	RAFTERS SIZE	RAFTERS SPACING
#1	40°	156°	2"x8"	16" O.C.
#2	45°	246°	2"x8"	16" O.C.
#3	45°	66°	2"x8"	16" O.C.

BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
RAIL	30	UNIRAC SM LIGHT RAIL
SPLICE	12	BND SPLICE BAR PRO SERIES MILL
MID CLAMP	52	UNIVERSAL AF SERIES MID CLAMP MILL
END CLAMP	48	UNIVERSAL AF SERIES END CLAMP MILL
ATTACHMENT	114	UNIRAC FLASHLOC COMP KIT ATTACHMENT
GROUNDING LUG	12	GROUNDING LUG

KASSELMAN SOLAR  
 279 BROADWAY BUILDING 2,  
 MENANDS, NY 12204, USA  
 PHONE:- 5187030976  
 EMAIL:-  
 scott.stevens@kasselmannsolar.com

VERSION		
DESCRIPTION	DATE	VER.
BLDG.PERMIT	09/06/2022	V0

PROJECT NAME  
**NATHALIE FIASCHI**  
 3 RIVERTON DRIVE,  
 NYACK, NY 10960 USA  
 APN# 392001.060.013-0002-081.002/0000  
 UTILITY: N/A  
 AHJ: TOWN OF CLARKSTOWN



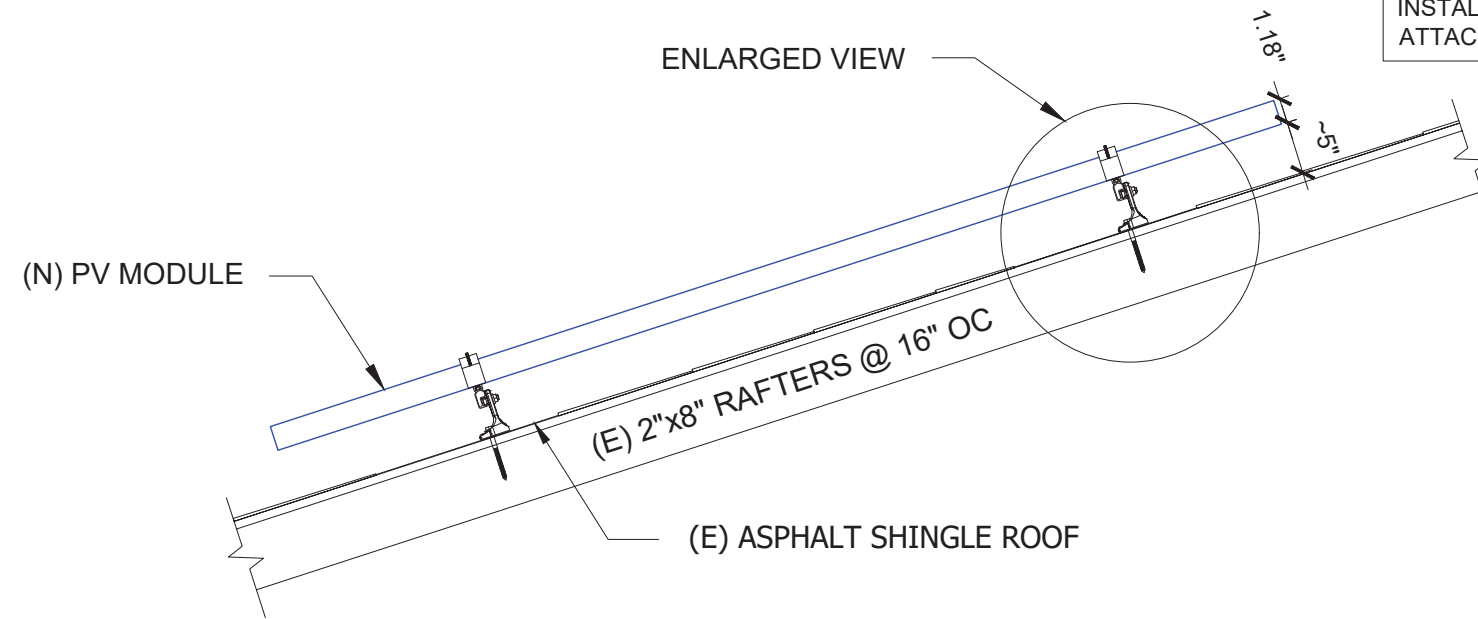
LEGEND	
UM	- UTILITY METER
MSP	- MAIN SERVICE PANEL
ACD	- AC DISCONNECT
CB	- ENPHASE IQ COMBINER BOX 4
JB	- JUNCTION BOX
○ □	- VENT, ATTIC FAN (ROOF OBSTRUCTION)
●	- ROOF ATTACHMENT
- - -	- RAFTERS
- - - -	- CONDUIT
▨	- FIRE PATHWAY

**NOTE:** ACTUAL ROOF CONDITIONS AND RAFTERS (OR SEAM) LOCATIONS MAY VARY. INSTALL PER MANUFACTURER(S) INSTALLATION GUIDELINES AND ENGINEERED SPANS FOR ATTACHMENTS

- PLUMBING VENTS, SKYLIGHTS AND MECHANICAL VENTS SHALL NOT BE COVERED, MOVED, RE-ROUTED OR RE-LOCATED.



**NOTE: ACTUAL ROOF CONDITIONS AND RAFTERS (OR SEAM) LOCATIONS MAY VARY. INSTALL PER MANUFACTURER(S) INSTALLATION GUIDELINES AND ENGINEERED SPANS FOR ATTACHMENTS**

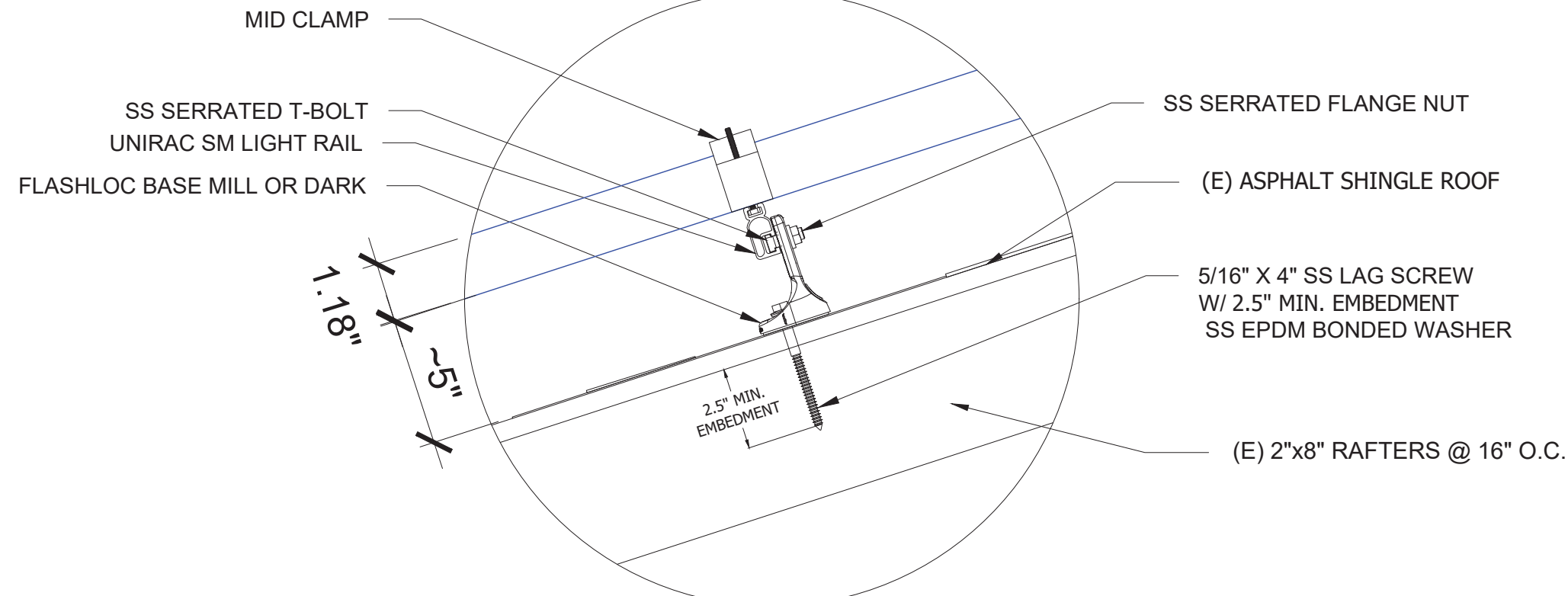


**1 ATTACHMENT DETAIL**  
SCALE: NTS

**kasselmannSOLAR**  
KASSELMAN SOLAR  
279 BROADWAY BUILDING 2,  
MENANDS, NY 12204, USA  
PHONE:- 5187030976  
EMAIL:-  
scott.stevens@kasselmannsolar.com

VERSION		
DESCRIPTION	DATE	VER.
BLDG.PERMIT	09/06/2022	V0

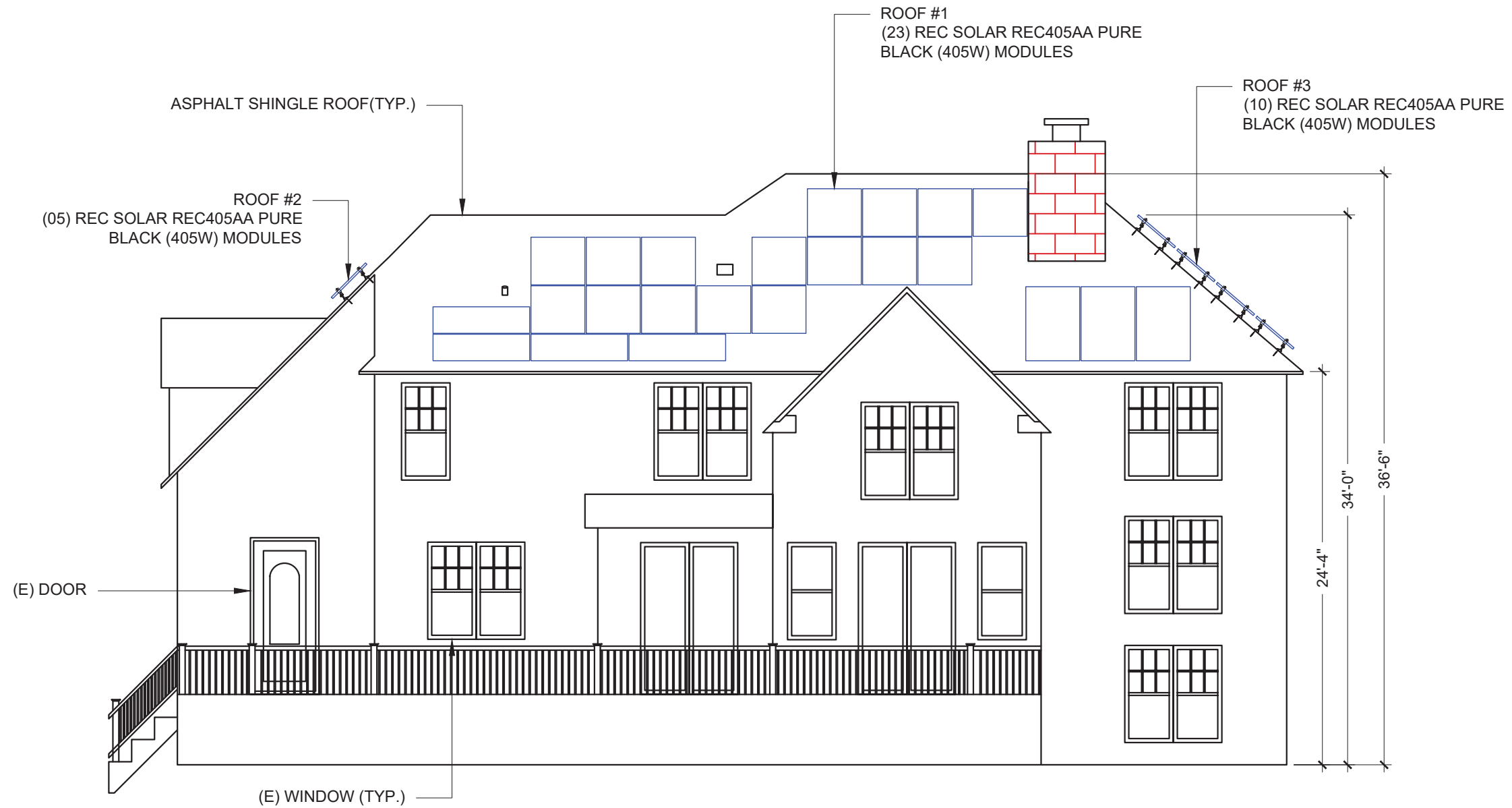
**2 ATTACHMENT DETAIL(ENLARGED VIEW)**  
SCALE: NTS



PROJECT NAME  
**NATHALIE FIASCHI**  
**3 RIVERTON DRIVE,**  
**NYACK, NY 10960 USA**  
APN# 392001.060.013-0002-081.002/0000  
UTILITY: N/A  
AHJ: TOWN OF CLARKSTOWN

SHEET NAME <b>ATTACHMENT DETAIL</b>
SHEET SIZE <b>ANSI B 11" X 17"</b>
SHEET NUMBER <b>PV-3</b>





**REAR VIEW**

VERSION		
DESCRIPTION	DATE	VER.
BLDG.PERMIT	09/06/2022	V0

PROJECT NAME  
 NATHALIE FIASCHI  
 3 RIVERTON DRIVE,  
 NYACK, NY 10960 USA  
 APN# 392001.060.013-0002-081.002/0000  
 UTILITY: N/A  
 AHJ: TOWN OF CLARKSTOWN

SHEET NAME <b>STRUCTURE ELEVATION</b>
SHEET SIZE <b>ANSI B 11" X 17"</b>
SHEET NUMBER <b>PV-3.1</b>



**Nathalie Fiaschi**

3 Riverton Dr  
Nyack, NY 10960

**Project and Installation Details**


**System Size DC (kW):** 15.39  
38 REC405AA Pure Black  
38 Enphase Energy Inc. IQ8A-72-2-US


RACKING: UNIRAC SOLAR MOUNT - FLASH LOC COMP/DUO

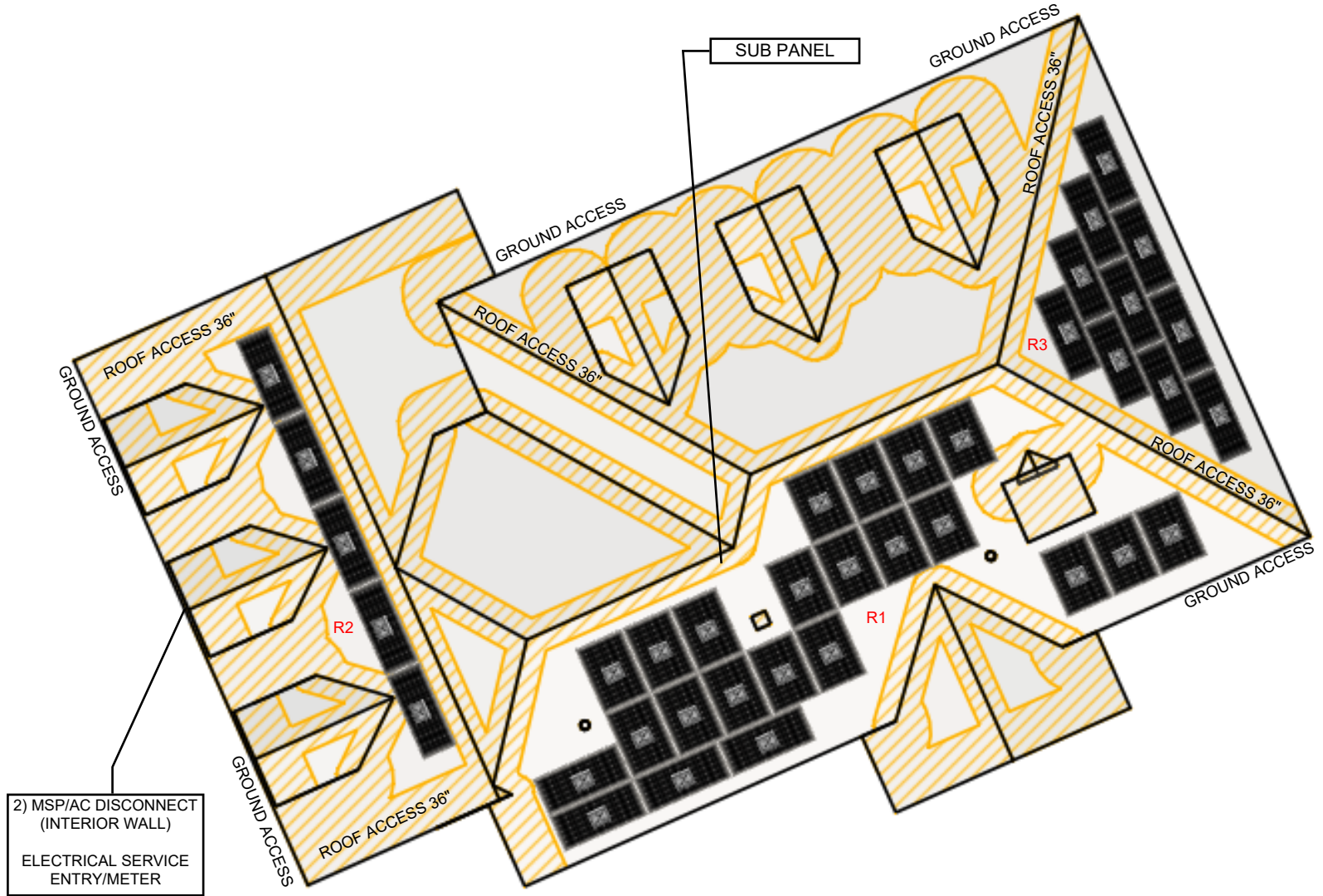
**Roof Description**  
**MATERIAL:** SHINGLE  
**ROOF PITCH (DEG):**R1) 40 R2&R3) 45  
**AZIMUTH (DEG):** R1) 156 (SE)  
R2) 246 (SW) R3) 66 (NE)  
**RAFTER/TRUSS:** 2x8" 16"o.c.

PV Design adheres to relevant sections of the 2020 Residential Code [R324] of NYS and 2020 Fire Code of NYS [1204] for Solar PV systems.

Electrical labels to be placed on PV equipment per NEC 690.56. Labels are site specific.

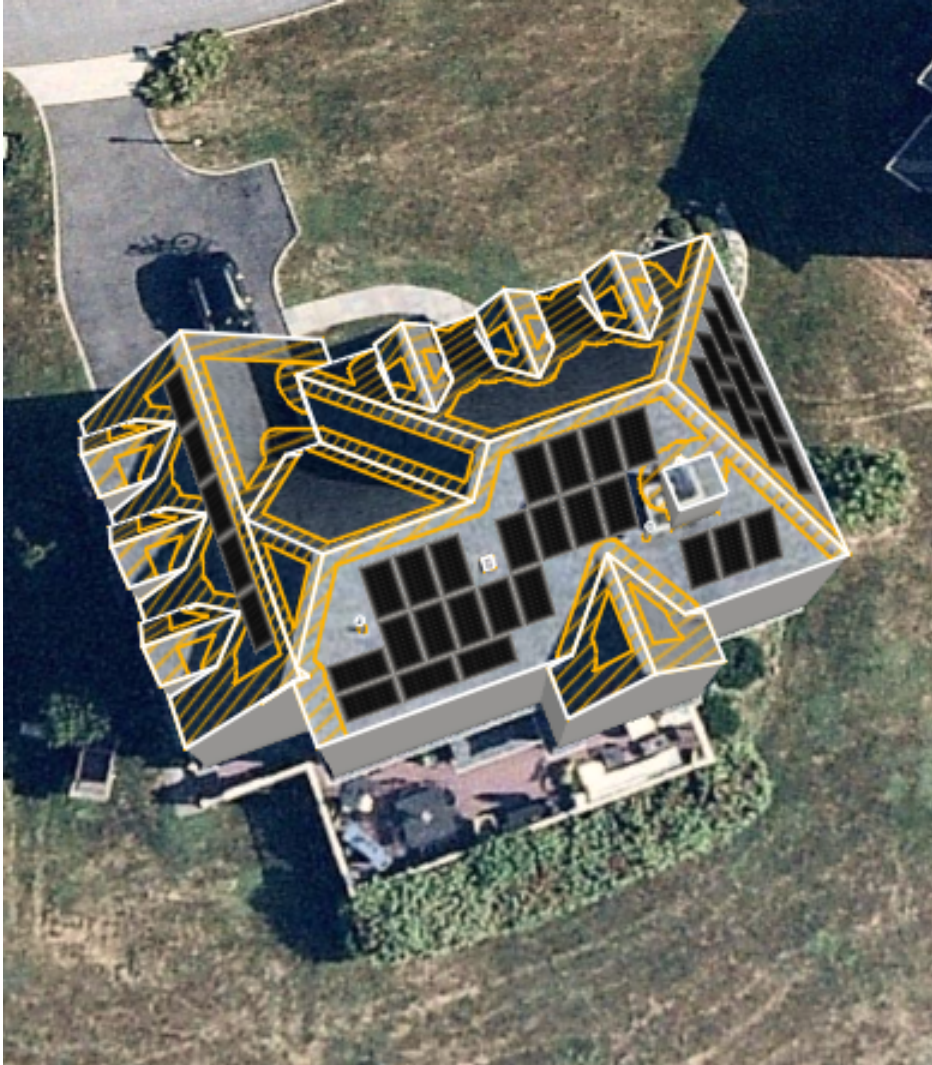
 :Solar Photovoltaic Module

 :Setbacks in accordance with relevant sections of the 2020 RCNYS, R324 (Solar Energy Systems). Ridge not less than 18" Pathways not less than 36"



August 19th, 2022

**SITE DESIGN 3D**



**3 Riverton Dr  
Nyack, NY 10960**



Customer:

Address:

Installation site



Views of adjacent properties  
2, 3, and 5 Riverton Drive.



**PROJECT DETAILS:**

CUSTOMER:

ADDRESS:

PHONE:

W MODULES

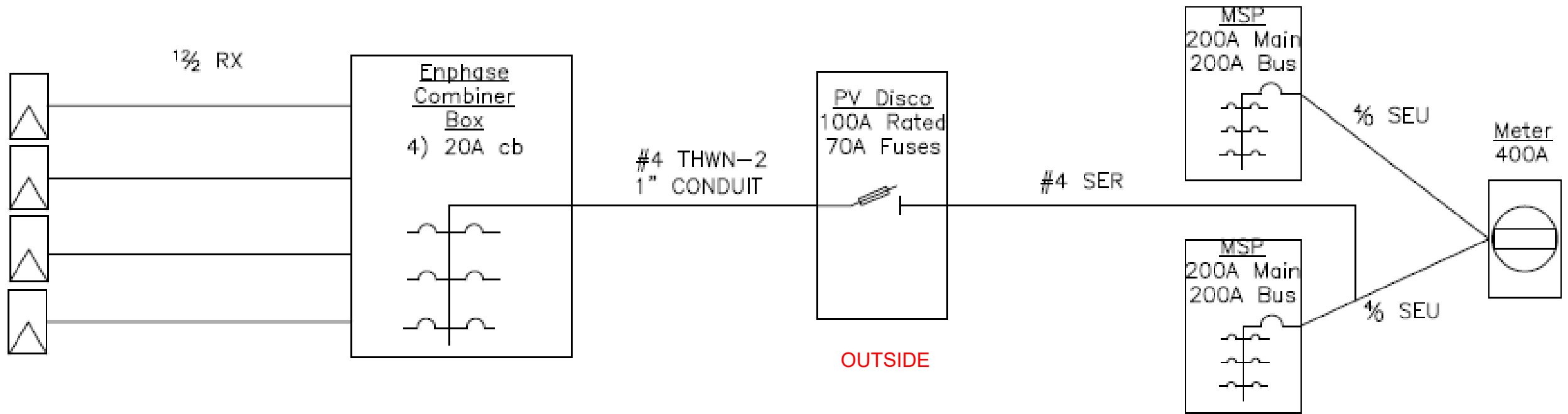
ENPHASE

MICROINVERTERS

SYSTEM SIZE (DC)

kW

- String 1**  
(10) REC 405w Modules  
(10) Enphase IQ8A-72-2-US Microinverters
- String 2**  
(10) REC 405w Modules  
(10) Enphase IQ8A-72-2-US Microinverters
- String 3**  
(9) REC 405w Modules  
(9) Enphase IQ8A-72-2-US Microinverters
- String 4**  
(9) REC 405w Modules  
(9) Enphase IQ8A-72-2-US Microinverters



Utility:

Account #

Meter #

KASSELMAN SOLAR, LLC  
279 BROADWAY BLDG. 2  
MENANDS, NY 12204

(518) 478-8365



SOLAR'S MOST TRUSTED



# REC ALPHA<sup>®</sup> PURE BLACK SERIES PRODUCT SPECIFICATIONS



400WP  
20.3 W/FT<sup>2</sup>



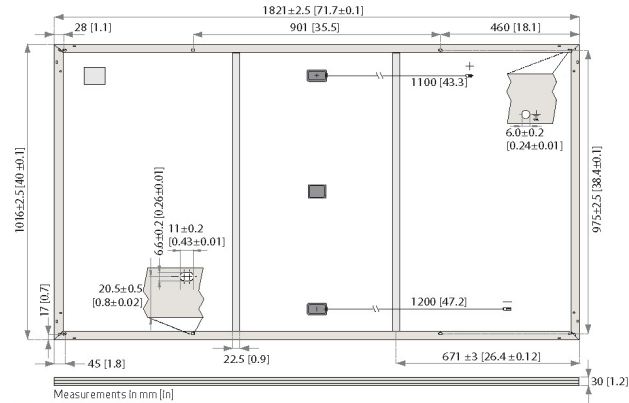
ELIGIBLE

LEAD-FREE  
ROHS COMPLIANT

EXPERIENCE  
α  
PERFORMANCE



REC ALPHA PURE BLACK SERIES > PRODUCT SPECIFICATIONS



## GENERAL DATA

Cell type:	132 half-cut REC heterojunction cells with lead-free, gapless technology. 6 strings of 22 cells in series.	Connectors:	Stäubli MC4 PV-KBT4/KST4 12 AWG (4mm <sup>2</sup> ) in accordance with IEC 62852 IP68 only when connected.
Glass:	0.13 in (3.2 mm) solar glass with anti-reflection surface treatment.	Cable:	12 AWG (4mm <sup>2</sup> ) PV wire, 43+47 in (1+1.2m) in accordance with EN 50618.
Backsheet:	Highly resistant polymer (black).	Dimensions:	71.7 x 40 x 1.2 in (1821 x 1016 x 30 mm)
Frame:	Anodized aluminum (black).	Weight:	45 lbs (20.5 kg)
Junction box:	3-part, 3 bypass diodes, IP67 rated in accordance with IEC 62790.	Origin:	Made in Singapore

## ELECTRICAL DATA

Product Code\*: RECxxxAA Pure Black

	385	390	395	400	405
Power Output - P <sub>MAX</sub> (Wp)	385	390	395	400	405
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V <sub>MPP</sub> (V)	41.2	41.5	41.8	42.1	42.4
Nominal Power Current - I <sub>MPP</sub> (A)	9.35	9.40	9.45	9.51	9.56
Open Circuit Voltage - V <sub>OC</sub> (V)	48.5	48.6	48.7	48.8	48.9
Short Circuit Current - I <sub>SC</sub> (A)	9.99	10.03	10.07	10.10	10.14
Power Density (W/sq ft)	19.3	19.6	19.8	20.1	20.3
Panel Efficiency (%)	20.8	21.1	21.3	21.6	21.9
Power Output - P <sub>MAX</sub> (Wp)	293	297	301	305	309
Nominal Power Voltage - V <sub>MPP</sub> (V)	38.8	39.1	39.4	39.7	40.0
Nominal Power Current - I <sub>MPP</sub> (A)	7.55	7.59	7.63	7.68	7.72
Open Circuit Voltage - V <sub>OC</sub> (V)	45.7	45.8	45.9	46.0	46.1
Short Circuit Current - I <sub>SC</sub> (A)	8.07	8.10	8.13	8.16	8.19

Values at standard test conditions (STC: air mass AM1.5, irradiance 1075 W/sq ft (1000 W/m<sup>2</sup>), temperature 77°F (25°C) based on a production spread with a tolerance of P<sub>MAX</sub>, V<sub>OC</sub> & I<sub>SC</sub> +3% within one watt class. Nominal module operating temperature (NMOT: air mass AM1.5, irradiance 800 W/m<sup>2</sup>, temperature 68°F (20°C), wind speed 3.3 ft/s (1 m/s). \* Where xxx indicates the nominal power class (P<sub>MAX</sub>) at STC above.

## PRODUCT SPECIFICATIONS

### CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730 (Pending)  
ISO 14001:2004, ISO 9001:2015, OHSAS 18001:2007, IEC 62941



### WARRANTY

	Standard	REC ProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	All	<25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

See warranty documents for details. Conditions apply.

### MAXIMUM RATINGS

Operational temperature:	-40 ... +185°F (-40 ... +85°C)
Maximum system voltage:	1000 V
Maximum test load (front):	+ 7000 Pa (146 lbs/sq ft)*
Maximum test load (rear):	- 4000 Pa (83.5 lbs/sq ft)*
Max series fuse rating:	25 A
Max reverse current:	25 A

\* See installation manual for mounting instructions. Design load = Test load / 1.5 (safety factor)

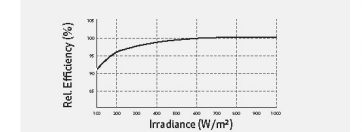
### TEMPERATURE RATINGS\*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of P <sub>MAX</sub> :	-0.26%/°C
Temperature coefficient of V <sub>OC</sub> :	-0.24%/°C
Temperature coefficient of I <sub>SC</sub> :	0.04%/°C

\* The temperature coefficients stated are linear values

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.



www.recgroup.com



Specifications subject to change without notice. Ref: PM-DS-12-01-Rev. A (03.21)



## IQ8M and IQ8A Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.



IQ8 Series Microinverters are UL Listed as PV Rapid Shut Down Equipment and conform with various regulations, when installed according to manufacturer's instructions.

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IQ8MA-DS-0003-01-EN-US-2021-10-19

### Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

### High productivity and reliability

- Produce power even when the grid is down
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

### Microgrid-forming

- Complies with the latest advanced grid support
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

## IQ8M and IQ8A Microinverters

INPUT DATA (DC)		IQ8M-72-2-US		IQ8A-72-2-US	
Commonly used module pairings <sup>1</sup>	W	260 – 460		295 – 500	
Module compatibility		60-cell/120 half-cell and 72-cell/144 half-cell			
MPPT voltage range	V	33 – 45		36 – 45	
Operating range	V			25 – 58	
Min/max start voltage	V			30 / 58	
Max input DC voltage	V	60			
Max DC current <sup>2</sup> (module Isc)	A	15			
Overvoltage class DC port		II			
DC port backfeed current	mA	0			
PV array configuration		1x1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit			
OUTPUT DATA (AC)		IQ8M-72-2-US		IQ8A-72-2-US	
Peak output power	VA	330		366	
Max continuous output power	VA	325		349	
Nominal (L-L) voltage/range <sup>3</sup>	V			240 / 211 – 264	
Max continuous output current	A	1.35		1.45	
Nominal frequency	Hz	60			
Extended frequency range	Hz	50 – 68			
Max units per 20 A (L-L) branch circuit <sup>4</sup>		11			
Total harmonic distortion		<5%			
Overvoltage class AC port		III			
AC port backfeed current	mA	30			
Power factor setting		1.0			
Grid-tied power factor (adjustable)		0.85 leading – 0.85 lagging			
Peak efficiency	%	97.6		97.6	
CEC weighted efficiency	%	97		97.5	
Night-time power consumption	mW	60			
MECHANICAL DATA					
Ambient temperature range		-40°C to +60°C (-40°F to +140°F)			
Relative humidity range		4% to 100% (condensing)			
DC Connector type		MC4			
Dimensions (HxWxD)		212 mm (8.3") x 175 mm (6.9") x 30.2 mm (1.2")			
Weight		1.08 kg (2.38 lbs)			
Cooling		Natural convection – no fans			
Approved for wet locations		Yes			
Acoustic noise at 1 m		<60 dBA			
Pollution degree		PD3			
Enclosure		Class II double-insulated, corrosion resistant polymeric enclosure			
Environ. category / UV exposure rating		NEMA Type 6 / outdoor			
COMPLIANCE					
Certifications		CA Rule 21 (UL 1741-SA), UL 62109-1, UL1741/IEE1547, FCC Part 15 Class B, ICES-0003 Class B, CAN/CSA-C22.2 NO. 1071-01			
		This product is UL Listed as PV Rapid Shut Down Equipment and conforms with NEC 2014, NEC 2017, and NEC 2020 section 690.12 and C22.1-2018 Rule 64-218 Rapid Shutdown of PV Systems, for AC and DC conductors, when installed according to manufacturer's instructions.			

(1) No enforced DC/AC ratio. See the compatibility calculator at <https://link.enphase.com/module-compatibility> (2) Maximum continuous input DC current is 10.6A (3) Nominal voltage range can be extended beyond nominal if required by the utility. (4) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.



# SOLARMOUNT



**SOLARMOUNT** is the professionals' choice for residential PV mounting applications. Every aspect of the system is designed for an easier, faster installation experience. **SOLARMOUNT** is a complete solution with revolutionary universal clamps, **FLASHKIT PRO**, full system UL 2703 certification and 25-year warranty. Not only is **SOLARMOUNT** easy to install, but best-in-class aesthetics make it the most attractive on any block!

CONCEALED UNIVERSAL CLAMPS

OPTIONAL FRONT TRIM

UNIRAC  
25 YEAR  
FULL-SYSTEM WARRANTY

New & Improved:  
**THE PROFESSIONALS' CHOICE**  
With Superior Aesthetics



**NOW FEATURING FLASHKIT PRO**  
The Complete Roof Attachment Solution  
FEATURING SHED & SEAL TECHNOLOGY



**NOW WITH UNIVERSAL MIDCLAMPS**  
Accommodates 30mm-51mm module frames  
One tool, one-person installs are here!



**REVOLUTIONARY NEW ENDCLAMPS**  
Concealed design and included End Caps

## THE PROFESSIONALS' CHOICE FOR RESIDENTIAL RACKING

BEST INSTALLATION EXPERIENCE • CURB APPEAL • COMPLETE SOLUTION • UNIRAC SUPPORT

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

# SOLARMOUNT



## BETTER DESIGNS

### TRUST THE INDUSTRY'S BEST DESIGN TOOL

Start the design process for every project in our U-Builder on-line design tool. It's a great way to save time and money.

## BETTER SYSTEMS

### ONE SYSTEM - MANY APPLICATIONS

Quickly set modules flush to the roof on steep pitched roofs. Orient a large variety of modules in Portrait or Landscape. Tilt the system up on flat or low slope roofs. Components available in mill, clear, and dark finishes to optimize your design financials and aesthetics.

## BETTER RESULTS

### MAXIMIZE PROFITABILITY ON EVERY JOB

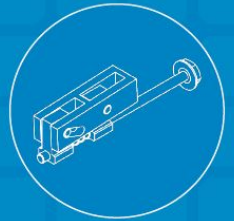
Trust Unirac to help you minimize both system and labor costs from the time the job is quoted to the time your teams get off the roof. Faster installs. Less Waste. More Profits.

## BETTER SUPPORT

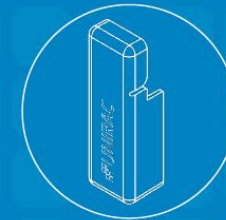
### WORK WITH THE INDUSTRIES MOST EXPERIENCED TEAM

Professional support for professional installers and designers. You have access to our technical support and training groups. Whatever your support needs, we've got you covered. Visit [Unirac.com/solarmount](http://Unirac.com/solarmount) for more information.

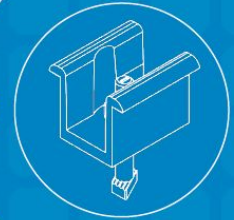
CONCEALED UNIVERSAL ENDCLAMPS



END CAPS INCLUDED WITH EVERY ENDCLAMP



UNIVERSAL SELF-STANDING MIDCLAMPS



U-BUILDER ONLINE DESIGN TOOL SAVES TIME & MONEY  
Visit [design.unirac.com](http://design.unirac.com)

LISTED **UL2703** BONDING & GROUNDING  
MECHANICAL LOADING  
SYSTEM FIRE CLASSIFICATION

## UNIRAC CUSTOMER SERVICE MEANS THE HIGHEST LEVEL OF PRODUCT SUPPORT

UNMATCHED EXPERIENCE	CERTIFIED QUALITY	ENGINEERING EXCELLENCE	BANKABLE WARRANTY	DESIGN TOOLS	PERMIT DOCUMENTATION
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### TECHNICAL SUPPORT

Unirac's technical support team is dedicated to answering questions & addressing issues in real time. An online library of documents including engineering reports, stamped letters and technical data sheets greatly simplifies your permitting and project planning process.

### CERTIFIED QUALITY PROVIDER

Unirac is the only PV mounting vendor with ISO certifications for 9001:2008, 14001:2004 and OHSAS 18001:2007, which means we deliver the highest standards for fit, form, and function. These certifications demonstrate our excellence and commitment to first class business practices.

### BANKABLE WARRANTY

Don't leave your project to chance. Unirac has the financial strength to back our products and reduce your risk. Have peace of mind knowing you are providing products of exceptional quality. SOLARMOUNT is covered by a 25 year limited product warranty and a 5 year limited finish warranty.

ENHANCE YOUR REPUTATION WITH QUALITY RACKING SOLUTIONS BACKED BY ENGINEERING EXCELLENCE AND A SUPERIOR SUPPLY CHAIN

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

# FLASH LOC

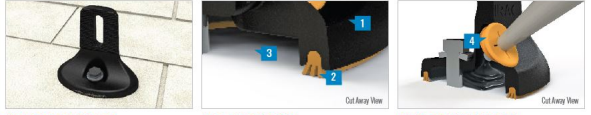
## FLASH LOC



FLASHLOC is the ultimate attachment for composition shingle and rolled comp roofs. The all-in-one mount installs fast — no kneeling on hot roofs to install flashing, no prying or cutting shingles, no pulling nails. Simply drive the lag bolt and inject sealant into the base. FLASHLOC's patented TRIPLE SEAL technology preserves the roof and protects the penetration with a permanent pressure seal. Kitted with lag bolts, sealant, and hardware for maximum convenience. Don't just divert water, **LOC it out!**



JUNE2021\_FLASHLOCComp\_V2



**PROTECT THE ROOF**  
Install a high-strength waterproof attachment without lifting, prying or damaging shingles.

**LOC OUT WATER**  
With an outer shield **1** contour-conforming gasket **2** and pressurized sealant chamber **3** the Triple Seal technology delivers a 100% waterproof connection.

**HIGH-SPEED INSTALL**  
Simply drive lag bolt and inject sealant into the port **4** to create a permanent pressure seal.

### FASTER INSTALLATION. 25-YEAR WARRANTY.

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

## FLASH LOC

### INSTALLATION GUIDE



**PRE-INSTALL**  
Snap chalk lines for attachment rows. On shingle roofs, snap lines 1-3/4" below upslope edge of shingle course. Locate rafters and mark attachment locations.



**STEP 1: SECURE**  
Place FLASHLOC over pilot hole with tag on down-slope side. Align indicator marks on sides of mount with chalk line. Pass included lag bolt and sealing washer through FLASHLOC into pilot hole. Drive lag bolt until mount is held firmly in place.



**NOTE:** The EPDM in the sealing washer will expand beyond the edge of the metal washer when proper torque is applied.



**STEP 2: SEAL**  
Insert tip of UNIRAC provided sealant into port. Inject until sealant exits both vents. Follow sealant manufacturer's instructions. Follow sealant manufacturer's cold weather application guidelines, if applicable.

Continue array installation, attaching rails to mounts with provided T-bolts.

**NOTE:** When FLASHLOC is installed over gap between shingle tabs or vertical joints, fill gap/joint with sealant between mount and upslope edge of shingle course.

USE ONLY UNIRAC APPROVED SEALANTS: Chemlink Duralink 50, Chemlink M-1, Geosel 4500, or Geosel S-4

### FASTER INSTALLATION. 25-YEAR WARRANTY.

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

PART TABLE	
P/N	DESCRIPTION
004085M	FLASHLOC COMP KIT MILL, 20 PACK
004085D	FLASHLOC COMP KIT DARK, 20 PACK

3 3/4"

6 7/8"

3 1/2"

2 1/4"

5/16" x 4" SS LAG BOLT  
W/ SS EPDM BONDED WASHER

SS SERRATED T-BOLT

SS SERRATED FLANGE NUT

FLASHLOC BASE  
MILL OR DARK

<p>1411 BROADWAY BLVD. NE ALBUQUERQUE, NM 87102 USA PHONE: 505.242.6411 WWW.UNIRAC.COM</p>	PRODUCT LINE:	SOLARMOUNT	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL  PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	FL-A01 SHEET
	DRAWING TYPE:	PART DRAWING		
	DESCRIPTION:	FLASHLOC COMP KIT		
REVISION DATE:	4/28/2020			

# FLASH LOC-DUO

## FLASHLOC™ DUO

THE MOST VERSATILE DIRECT TO DECK ATTACHMENT



FLASHLOC™ DUO is the most versatile direct to deck and rafter attachment for composition shingle and rolled comp roofs. The all-in-one mount installs fast — no kneeling on hot roofs to install flashing, no prying or cutting shingles, no pulling nails. Simply drive the required number of screws to secure the mount and inject sealant into the base. FLASHLOC's patented TRIPLE SEAL technology preserves the roof and protects the penetration with a permanent pressure seal. Kitted with two rafter screws, sealant and hardware for maximum convenience (deck screws sold separately). Don't just divert water, **LOC it out!**



**PROTECT THE ROOF**  
Install a high-strength waterproof attachment without lifting, prying or damaging shingles.



**LOC OUT WATER**  
With an outer shield, contour-conforming gasket and pressurized sealant chamber, the Triple Seal technology delivers a 100% waterproof connection.



**HIGH-SPEED INSTALL**  
Simply drive the required number of screws and inject sealant into the per to create a permanent pressure seal.

## FLASHLOC™ DUO

INSTALLATION GUIDE



**PRE-INSTALL: CLEAN SURFACE AND MARK LOCATION**  
Ensure existing roof structure is capable of supporting loads prescribed in Flashloc Duo D&E Guide. Clean roof surface of dirt, debris, snow and ice.  
Snap chalk lines for attachment rows. On shingle roofs, snap lines 1/4" below upslope edge of shingle course. This line will be used to align the upper edge of the mount.  
**NOTE:** Space mounts per span charts found in FLASHLOC DUO state certification letters.

**STEP ONE: SECURE**  
**ATTACHING TO A RAFTER:** Place FLASHLOC DUO over rafter location and align upper edge of mount with horizontal chalk line. Secure mount with the two (2) provided rafter screws. BACKFILL ALL PILOT HOLES WITH SEALANT.  
**ATTACHING TO SHEATHING:** Place FLASHLOC DUO over desired location and align upper edge of mount with horizontal chalk line. Secure mount with the two (2) provided rafter screws. Next, secure mount with four (4) deck screws by drilling through the FLASHLOC DUO deck mount hole locations. Unirac recommends using a drill as opposed to an impact gun to prevent over-tightening or stripping roof sheathing.

**IMPORTANT:** SECURELY ATTACH MOUNT BUT DO NOT OVERTIGHTEN SCREWS.

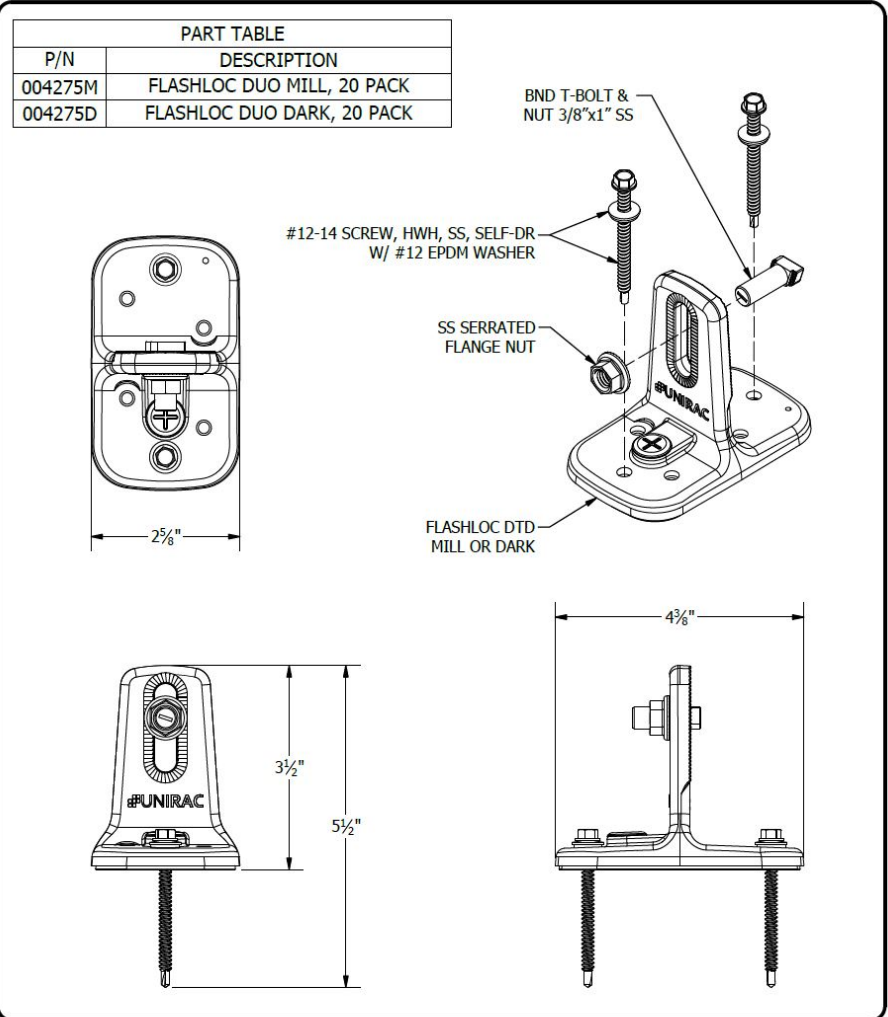
**STEP TWO: SEAL**  
Insert tip of UNIRAC approved sealant into port and inject until sealant exits vent. Continue array installation, attaching rails to mounts with provided T-bolts. Follow sealant manufacturer's instructions. Follow sealant manufacturer's cold weather application guidelines, if applicable.

**NOTE:** When FLASHLOC DUO is installed over gap between shingle tabs or vertical joints, fill gap/joint with sealant between mount and upslope edge of shingle course.

**CUT SHINGLES AS REQUIRED:** DO NOT INSTALL THE FLASHLOC SLIDER ACROSS THICKNESS VARIATIONS GREATER THAN 1/8" SUCH AS THOSE FOUND IN HIGH DEFINITION SHINGLES.

**NOTE:** When installing included rail attachment hardware, torque T-bolt nut to 30 ft-lbs.  
**NOTE:** If an exploratory hole falls outside of the area covered by the sealant, flash hole accordingly.  
**NOTE:** Read and comply with the Flashloc Duo Design & Engineering Guide prior to design and installation of the system.



USE ONLY UNIRAC APPROVED SEALANTS. PLEASE CONTACT UNIRAC FOR FULL LIST OF COMPATIBLE SEALANTS.



**FASTER INSTALLATION. 25-YEAR WARRANTY.**  
FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

**FASTER INSTALLATION. 25-YEAR WARRANTY.**  
FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

<p>1411 BROADWAY BLVD. NE ALBUQUERQUE, NM 87102 USA PHONE: 505.242.6411 WWW.UNIRAC.COM</p>	PRODUCT LINE:	SOLARMOUNT	DRAWING NOT TO SCALE ALL DIMENSIONS ARE NOMINAL	FL-A04 SHEET
	DRAWING TYPE:	ASSEMBLY DETAIL		
	DESCRIPTION:	FLASHLOC DUO KIT	PRODUCT PROTECTED BY ONE OR MORE US PATENTS LEGAL NOTICE	
	REVISION DATE:	4/29/2021		

1. **PHOTOVOLTAIC SYSTEM**  
 **DC DISCONNECT** 

RATED MPP CURRENT	AMPS
RATED MPP VOLTAGE	VOLTS
MAX SYSTEM VOLTAGE	VDC
MAX CIRCUIT CURRENT	AMPS

2. **WARNING**  
**ELECTRICAL SHOCK HAZARD**  
 TERMINALS ON THE LINE AND  
 LOAD SIDES MAY BE ENERGIZED  
 IN THE OPEN POSITION

3. **WARNING: PHOTOVOLTAIC  
 POWER SOURCE**

4. PHOTOVOLTAIC SYSTEM  
 EQUIPPED WITH  
 RAPID SHUTDOWN

5. **DO NOT UP SIZE MAIN BREAKER**  
 BREAKER WAS DOWN-SIZE FOR PV SYSTEM CONNECTION

6. **WARNING**  
 THIS SERVICE METER  
 IS ALSO SERVED BY A  
 PHOTOVOLTAIC SYSTEM


7(a). **PHOTOVOLTAIC**  
**DC DISCONNECT**

7(b). **PHOTOVOLTAIC**  
**AC DISCONNECT**

8. **SOLAR DISCONNECT**

9. **PV SOLAR BREAKER**  
 DO NOT RELOCATE  
 THIS OVERCURRENT  
 DEVICE

10. **WARNING**  
 TURN OFF PHOTOVOLTAIC  
 AC DISCONNECT PRIOR TO  
 WORKING INSIDE PANEL

11. **PHOTOVOLTAIC SYSTEM**  
 **AC DISCONNECT** 

RATED AC OUTPUT CURRENT	A
NOMINAL OPERATING AC VOLTAGE	V

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

13. **WARNING**  
 PHOTOVOLTAIC SYSTEM  
 COMBINER PANEL  
 DO NOT ADD LOADS

1. LABEL, PV DC DISCONNECT OPERATING SPEC, PLACE 1 PER INVERTER.
2. WARNING LABEL, DC, PLACE 1 PER INVERTER AND DC JUNCTION BOX.
3. WARNING LABEL, DC, PLACE 1 EVERY 10' OF CONDUIT, REFLECTIVE.
4. LABEL INDICATING PV HAS RAPID SHUTDOWN, PLACE 1 ON METER, REFLECTIVE.
5. LABEL INDICATING MAIN BREAKER HAS BEEN DOWNSIZED, PLACE 1 NEAR MAIN.
6. WARNING LABEL, INDICATING METER IS BACK FED BY PV, PLACE 1 ON METER.
- 7 (a)(b). LABEL INDICATING WHERE PV DISCONNECT IS LOCATED, PLACE 1 ON METER. VERBAGE VARIES PER SITE.
8. LABEL INDICATING PV DISCONNECT, PLACE 1 ANYWHERE PV CAN BE DISCONNECTED, REFLECTIVE.
9. LABEL INDICATING PV OVER CURRENT DEVICE, PLACE 1 NEAR ALL PV BREAKERS EXCEPT MAIN.
10. WARNING LABEL, AC, PLACE 1 PER AC JUNCTION BOX, COMBINER PANEL, DISCONNECTS, ALL ELECTRICAL LOAD CENTERS.
11. LABEL, PV AC DISCONNECT OPERATING SPEC, PLACE 1 AT ALL LOCATIONS PV AC CAN BE DISCONNECTED.
12. WARNING LABEL, PLACE 1 ON COMBINER PANEL, DISCONNECT, OR TAP LOCATION.
13. WARNING LABEL, PLACE 1 ON COMBINER PANEL.

\*NOTE - LABELS ARE SITE SPECIFIC.