



**Town of Freeport
Planning Department
30 Main Street
Freeport, ME 04032
(207) 865-4743 ext. 107**

1. SUBMISSIONS

- Twelve (12) copies each of the completed application form and a copy of the recorded deed(s) for the property. If the applicant is not the property owner, a purchase and sale agreement or a lease agreement shall also be submitted to show that the applicant has a serious interest in the project and sufficient title, right, and/or interest to complete the project. *The amount being paid for the property may be blacked out.*
- For applications to the Project Review Board, you must also submit twelve (12) copies of all other supplemental materials collated into individual packets which will fit into a large manila envelope. Please clip materials together; do not use special binding or binders. If copies of plans are being submitted, please include 2 full size sets (24" x 36") and 10 copies reduced to 11" x 17". The scale of any site plans shall be sufficient to allow review under the Criteria and Standards of Section 602.G of the Freeport Zoning Ordinance, but at not more than 50 feet to the inch for that portion of the total tract of land being proposed for development. **All plan sheets must also be submitted electronically in a pdf format.** For a complete list of detailed submission requirements, please refer to the applicable ordinance(s) which may include the Design Review Ordinance, the Subdivision Ordinance or the Zoning Ordinance (Section 602 – Site Plan Review).

For applications to the Planning Board, you must also submit eight (8) copies of all other supplemental materials.

- Payment of application fee and abutter fee (if applicable)
- This application form, along with the required accompanying materials, must be submitted to the Town Planner at least 21 days prior to the meeting at which it is to be considered.
- The applicant or an agent needs to be present at the meeting to present the application to the Board. If the applicant is going to be represented by someone other than themselves, they must submit a signed letter of authorization.

2. ABUTTERS

Abutters will be notified as required by State and Town regulations. Abutters will be determined by the Freeport Planning Department using most recent Assessing Records. If there are other people that you would like notified of the meeting, their contact information (either mailing address or email address) must be submitted with the application form. A fee of \$2.50 per abutter will be charged.

3. FEES

Refer to current fee schedule.

**Town of Freeport
Planning Department**

Application for Review

Project Type: (check all applicable)

_____ Site Plan Review Design Review Certificate _____ Subdivision
_____ Zoning Ordinance Amendment _____ Other (please explain) _____

Name of Project: Solar panels on two roofs at 12 Maple Ave., Freeport, ME

Proposed Use of Property: Solar panels to be recessed on a barn roof and sun porch addition, both located behind the house and away from the street.

1) Applicant Information:

Name: Rose Mary Burwell Tel: 207-607-9474

Address: 12 Maple Ave., Freeport, ME

Email: rmbsculpt@gmail.com

2) Interest in Property: Please attach a copy of the recorded deed for the property. If the applicant is not the property owner, a purchase and sale agreement or a lease agreement shall also be submitted to show that the applicant has a serious interest in the project and sufficient title, right, and/or interest to complete the project. The amount being paid for the property may be blacked out. This application will not be processed without this information.

3) Do you own any abutting property? Yes: No

If yes, please explain:

4) Property Information:

Present Use of Property Residential

Location: Street Address 12 Maple Ave.

Assessor's Office Map: Lot: 012-044-000-000

Size of Parcel (acres): slightly under 2 acres Zoning District (s): Village District 1

5) Design Review Information (please circle one from each category)

Design Review District: One

Design Review District Map(s): A B C Is this building in the Color Overlay District: Yes Freeport Village

Overlay District

Please describe the proposed changes: Installing recessed solar panels on a barn roof and a sun porch addition both located at the end of the driveway behind the house and away from the street.

12 Maple Ave.





| Project Details | | | |
|-------------------|--|----------------------|------------|
| Name | 12 Maple Avenue | Date | 01/10/2023 |
| Location | 12 Maple Avenue, Freeport, ME 04032 | Total modules | 13 |
| Module | Silfab: SIL-490 HN (35mm) | Total watts | 6,370 |
| Dimensions | Dimensions: 89.09" x 40.83" x 1.38" (2263.0mm x 1037.0mm x 35.0mm) | Attachments | 26 |
| ASCE | 7-10 | Rails per row | 2 |

| System Weight | |
|----------------------------|-----------|
| Total system weight | 830.0 lbs |
| Weight/attachment | 31.9 lbs |
| Racking weight | 90.6 lbs |
| Distributed weight | 2.5 psf |

| Load Assumptions | |
|------------------------------------|---------|
| Wind exposure | B |
| Wind speed | 117 mph |
| Ground snow load | 60 psf |
| Attachment spacing portrait | 4.0' |

| Roof Information | | | |
|-----------------------------|--------------|------------------------------|--------------|
| Roof Material Family | Comp Shingle | Roof material | Comp Shingle |
| Building height | 30 ft | Roof attachment | L-Foot* |
| | | Staggered attachments | No |
| Roof slope | 41 ° | Attachment hardware | Square |
| Risk category | II | | |

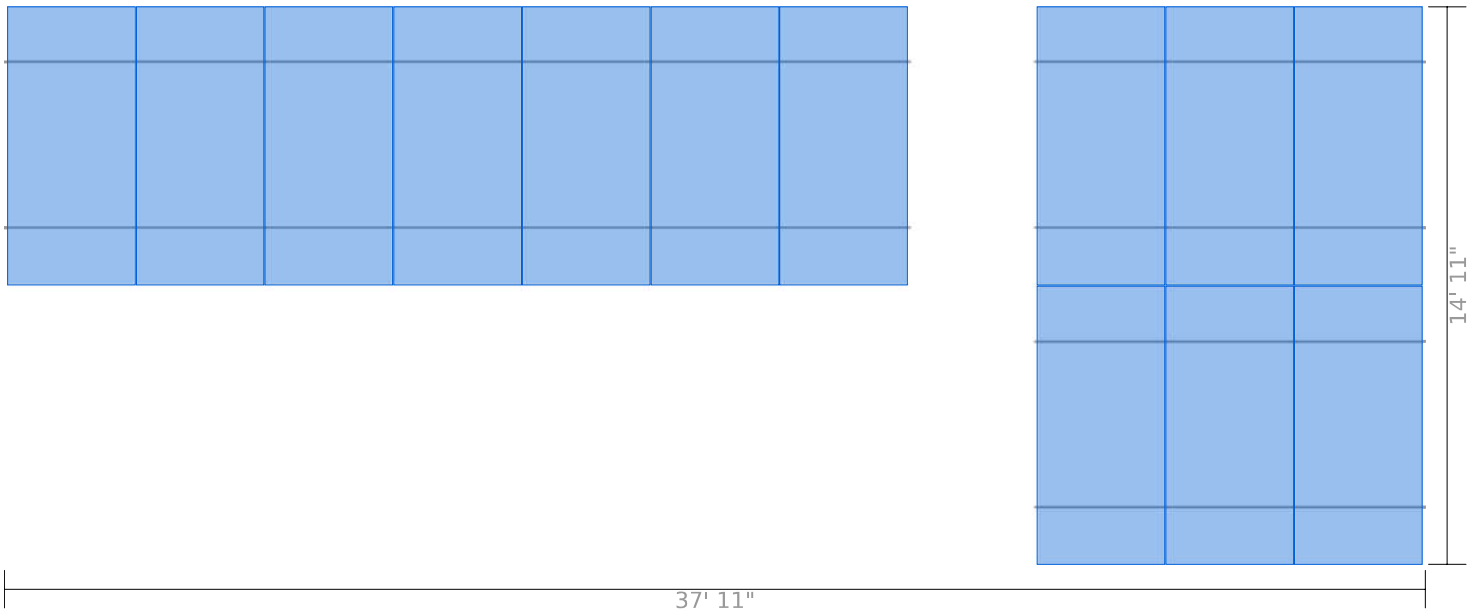
| Span Details XR100 - Portrait | | |
|-------------------------------|----------|----------------|
| Zone | Max span | Max cantilever |
| 1 | 6' | 2' 5" |
| 2 | 6' | 2' 5" |
| 3 | 6' | 2' 5" |

| Reaction Forces XR100 - Portrait | | | |
|----------------------------------|------------|--------------|---------------|
| Zone | Down (lbs) | Uplift (lbs) | Lateral (lbs) |
| 1 | 279 | 161 | 169 |
| 2 | 279 | 199 | 169 |
| 3 | 279 | 199 | 169 |

Roof Section 1

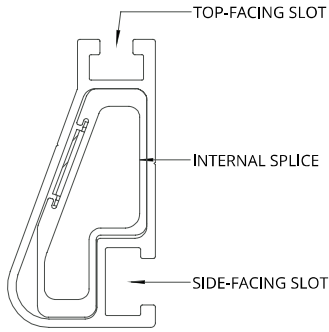
| Details | | Weights |
|-----------------------------|--------------------------------|-----------------------------|
| Panels: 13 | Provided rail: 112' [8 x 168"] | Total weight: 830.0 lbs |
| Rail orientation: East-West | Attachments: 26 | Weight/attachment: 31.9 lbs |
| Panel orientation: Portrait | Splices: 2 | Total Area: 334.7 sq ft |
| Entry type: Graphical | Clamps: 32 | Distributed weight: 2.5 psf |

Diagram

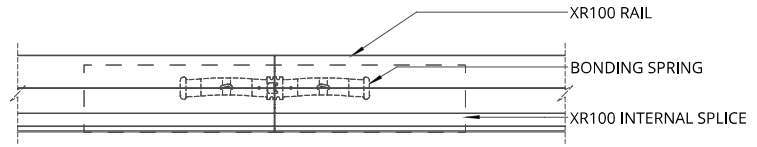


| Segments | | | | | | | | |
|-----------------------------------|---------|------------|-------------|------------|-----------------------|-------------|----------|-----------|
| Identifier | Columns | Row length | Rail length | Cantilever | Rail | Attachments | Splices | Clamps |
| A | 7 | 24' 2" | 24' 2" | 1" | 56' [4 x 168"] | 14 | 2 | 16 |
| B | 3 | 10' 5" | 10' 5" | 1' 3" | 28' [2 x 168"] | 6 | 0 | 8 |
| Row segment totals (x 2) → | | | | | 56' [4 x 168"] | 12 | 0 | 16 |

Splice Details

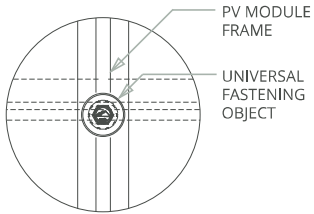


XR100

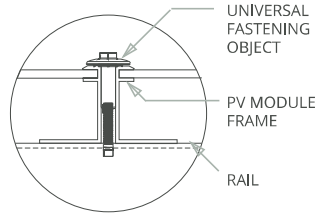


Splice Connection

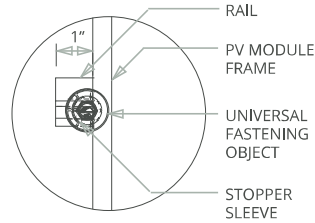
Clamp Detail



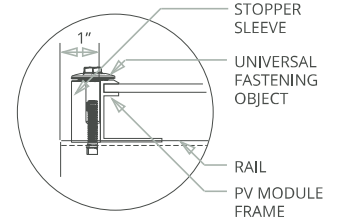
Mid Clamp, Plan



Mid Clamp, Front

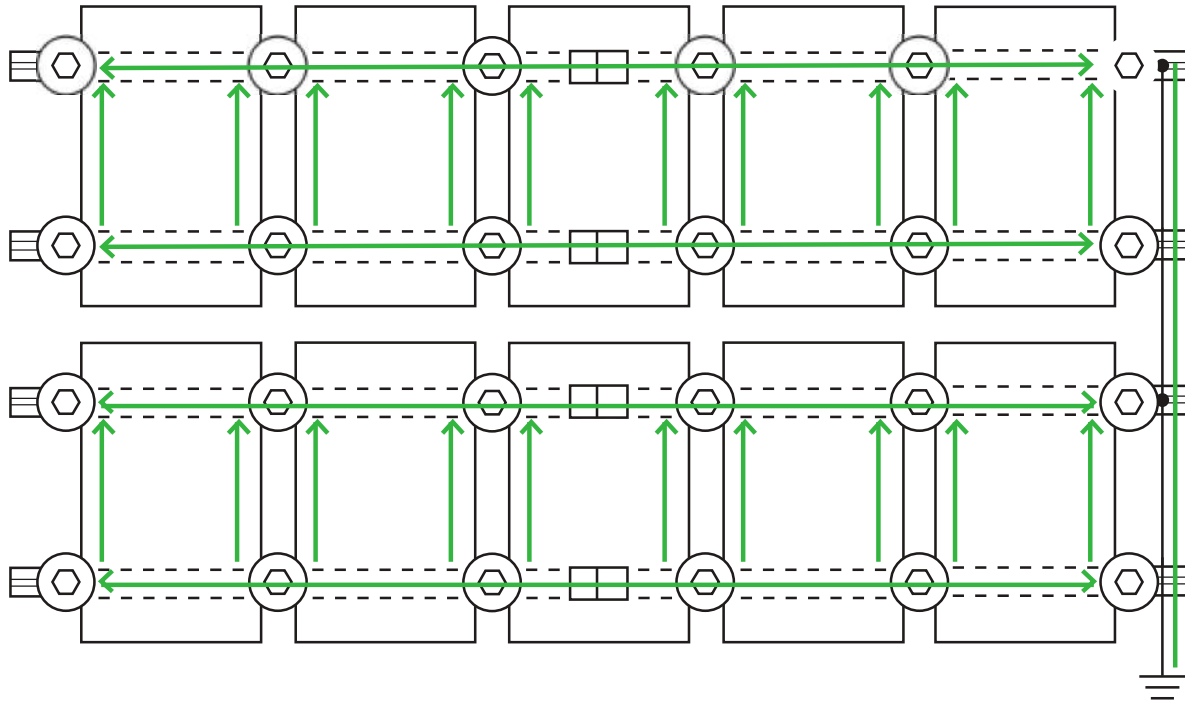


End Clamp, Plan



End Clamp, Front

Grounding Diagram



 UFO Clamp

 Fault Current Ground Path

 Grounding Lug *

 Min 10 AWG Copper Wire *

 Bonded Splice (Rail Connection)

* Grounding Lugs and Wire are not required in systems using Enphase microinverters.

Bill of Materials

| Part | Spares | Total Qty |
|---|---------------|------------------|
| Rails & Splices | | |
| XR-100-168A XR100, Rail 168" (14 Feet) Clear | 0 | 8 |
| XR100-BOSS-01-M1 Bonded Splice, XR100 | 0 | 2 |
| Clamps & Grounding | | |
| UFO-CL-01-A1 Universal Module Clamp, Clear | 0 | 32 |
| UFO-STP-35MM-M1 Stopper Sleeve, 35MM, Mill | 0 | 12 |
| XR-LUG-03-A1 Grounding Lug, Low Profile | 0 | 3 |
| Attachments | | |
| LFT-03-M1 Slotted L-Foot, Mill | 0 | 26 |
| BHW-SQ-02-A1 Square-Bolt Bonding Hardware | 0 | 26 |

10-

**Deed of Sale by
Personal Representative
(Testate)**

Maine Statutory Short Form

From
CHARLES D. MCQUAID and
DONALD M. MCQUAID

To

ROSE MARY KNODT

Dated November 4, 1983

State of Maine,

ss. Registry of Deeds.

Received, 19

at H., M., and

recorded in Book, Page

Attest:

Register.

POWERS & FRENCH
ATTORNEYS AT LAW
15 Main Street
Freeport, Maine 04032

Marks Printing House, Portland, Maine
ML 40-18

846

NOV 10 1983

DEED OF SALE BY PERSONAL REPRESENTATIVE

(Testate)

Maine Statutory Short Form

41627

Know all Men by these Presents,

That we, CHARLES D. MCQUAID and DONALD M. MCQUAID,
of Freeport, County of Cumberland, State of Maine,
duly appointed and acting personal representative of the estate of MADELYNE R. MCQUAID,
deceased (testate), as shown by the probate records of the County of Cumberland, Maine,
(and having given notice to each person succeeding to an interest in the real property described below at least
ten (10) days prior to the sale) ~~(and not having given notice to each person succeeding to an interest in the real
property described below at least ten (10) days prior to the sale, such notice not being required under the terms of
the decedent's will,~~ by the power conferred by the Probate Code, and every other power, for consideration
paid, grants to ROSE MARY KNOTT of Freeport,
County of Cumberland, State of Maine,
whose mailing address is 12 Maple Avenue, Freeport, Maine 04032

the real property in Freeport, County of Cumberland,
State of Maine, described as follows:

PARCEL #1: A certain lot or parcel of land, with the buildings thereon, situated on the northeasterly side of Maple Avenue, in the Town of Freeport, County of Cumberland and State of Maine, bounded and described as follows:

Beginning on the northeasterly side line of Maple Avenue at the Southerly corner of land conveyed by Franklin F. Gould to The Church of the Nazarene of Freeport, Maine by deed dated April 8, 1953 and recorded in Cumberland County Registry of Deeds in Book 2123, Page 486; thence northeasterly by said land of said Church, one hundred forty (140) feet, more or less, to the easterly corner thereof; thence northwesterly by said land of said Church, seventy-five (75) feet to land now or formerly of David F. Foss; thence northeasterly by said Foss land and land formerly of James Koopman, two hundred twenty-three (223) feet, more or less, to an angle; thence southeasterly by said Koopman land, one hundred eighty (180) feet, more or less, to land formerly of Gustavus P. Soule; thence southwesterly by said Soule land, land formerly of James C. Creech and land formerly of Orrin A. Curtis, three hundred sixty (360) feet, more or less, to the northeasterly sideline of Maple Avenue; thence northwesterly by Maple Avenue, one hundred sixty-seven (167) feet, more or less, to the point of beginning.

Being the same premises conveyed by warranty deed from Hilda J. Gould to James P. McQuaid and Madelyne R. McQuaid, dated October 2, 1967 and recorded in Cumberland County Registry of Deeds in Book 3014, Page 827.

PARCEL #2: A certain lot or parcel of land situated on the northeasterly side of Maple Avenue, so called, in the Town of Freeport, County of Cumberland and State of Maine, bounded and described as follows:

Beginning at the point of intersection formed by the northeasterly boundary line of said Maple Avenue and the southeasterly boundary line of land of David F. Foss, formerly of Koopman; thence in a general northeasterly direction along line of land of said Foss and following a line of iron posts one hundred and forty (140) feet,

more or less, to the northeasterly end of said line of iron posts; thence at an approximate right angle, following another line of iron posts, in a general southeasterly direction seventy-five (75) feet; thence at an approximate right angle and running in a general southwesterly direction through land of The Church of the Nazarene, on a course parallel with the first boundary hereinbefore described, one hundred and forty (140) feet, more or less, to said Maple Avenue; thence in a northwesterly direction along said Maple Avenue seventy-five (75) feet to the point of beginning.

Being the same premises conveyed by warranty deed from The Church of the Nazarene to James P. McQuaid and Madelyne R. McQuaid, dated October 12, 1967 and recorded in Cumberland County Registry of Deeds in Book 3019, Page 49.

The said James P. McQuaid deceased May 25, 1979, testate, late of Freeport, Maine, with the said Madelyne R. McQuaid acquiring full title as surviving joint tenant.

Reference is made to the Estate of Madelyne R. McQuaid and to Register's Certificate and Abstract recorded in Cumberland County Registry of Deeds in Book 6140, Page 48.

Witness our hand and seal this 4th day of November, 19 83 .

Signed, Sealed and Delivered in presence of

Michael D. Lang
to both

Charles D. McQuaid
Charles D. McQuaid, Pers. Rep.
Donald M. McQuaid
Donald M. McQuaid, Pers. Rep.
November 4, 1983

State of Maine, County of Cumberland

Then personally appeared the above named Charles D. McQuaid and Donald M. McQuaid in their said capacity and acknowledged the foregoing instrument to be their free act and deed.

Before me,

Michael D. Lang

Justice of the Peace
Notary Public
Attorney at Law

NOV 10 1983
REGISTRY OF DEEDS CUMBERLAND COUNTY, MAINE
Received at 8:46 AM, and recorded in
BOOK 6321 PAGE 17

James J. Walsh

Register
MICHAEL D. LANG