

SITE WALK- 129 State Street- OCTOBER 04, 2023 at 5:45 P.M.

**MEETING OF
THE HISTORIC DISTRICT COMMISSION
PORTSMOUTH, NEW HAMPSHIRE
EILEEN DONDERO FOLEY COUNCIL CHAMBERS**

*Members of the public also have the option to join the meeting over Zoom
(See below for more details) **

6:30 p.m.

October 04, 2023

AGENDA (revised on October 02, 2023)

*The Board's action in these matters has been deemed to be quasi-judicial in nature.
If any person believes any member of the Board has a conflict of interest,
that issue should be raised at this point or it will be deemed waived.*

I. APPROVAL OF MINUTES

1. September 06, 2023

II. ADMINISTRATIVE APPROVALS

1. 147 Congress Street
2. 22 Ladd Street, Unit A
3. 169 Lafayette Road, Unit 2
4. 104 Congress Street
5. 466 Marcy Street
6. 260 Marcy Street
7. 503 State Street, Unit 3
8. 42 Hunking Street
9. 9 Sheafe Street
10. 39 Dearborn Street

III. PUBLIC HEARINGS (OLD BUSINESS)

- A. **REQUEST TO POSTPONE-** Petition of **202 Court Street Property Group, LLC, owner**, for property located at **202 Court Street**, wherein permission is requested to allow exterior renovations to an existing structure (install HVAC condensers with fencing and roof mounted solar panels) as per plans on file in the Planning Department. Said property is shown on Assessor Map 116 as Lot 35 and lies within the Character District 4-L1 (CD4-L1) and Historic Districts.

IV. PUBLIC HEARINGS (NEW BUSINESS)

1. (*Work Session/Public Hearing*) requested by **129 State Street, LLC, owner**, for property located at **129 State Street**, wherein permission is requested to allow exterior renovations to an

existing structure (modifications to windows, skylights, door, canopy and railing design, size, and location) as per plans on file in the Planning Department. Said property is shown on Assessor Map 107 as Lot 47 and lies within the Character District 4 (CD4) and Historic Districts.

2. *(Work Session/Public Hearing)* requested by **C. Daniel Freund, owner**, for property located at **37 Prospect Street**, wherein permission is requested to allow new construction to an existing structure (add separate first and second floor additions) as per plans on file in the Planning Department. Said property is shown on Assessor Map 141 as Lot 16 and lies within the General Residence A (GRA) and Historic Districts.

3. Petition of **Michael B. Myers and Stephanie G. Taylor, owners**, for property located at **700 Middle Street**, wherein permission is requested to allow the installation of rooftop mechanical equipment (solar panels) as per plans on file in the Planning Department. Said property is shown on Assessor Map 148 and Lot 29 and lies within the General Residence A (GRA) and Historic Districts.

4. Petition of **Russell Serbagi, owner**, for property located at **306 Marcy Street**, wherein permission is requested to allow exterior renovations to an existing structure (replace all windows on the structure and replace clapboard siding as needed) as per plans on file in the Planning Department. Said property is shown on Assessor Map 102 and Lot 75 and lies within the General Residence B (GRB) and Historic Districts.

5. Petition of **Lawrence C. Barr and Donna Novelli, owners**, for property located at **39 Chauncey Street**, wherein permission is requested to allow the installation of rooftop mechanical equipment (solar panels) as per plans on file in the Planning Department. Said property is shown on Assessor Map 134 and Lot 31 and lies within the General Residence A (GRA) and Historic Districts.

V. WORK SESSIONS (OLD BUSINESS)

A. Work Session requested by **John Galt, owner**, for property located at **14 Market Square**, wherein permission is requested to allow new construction to an existing structure (add curbed rooftop addition and dormers) as per plans on file in the Planning Department. Said property is shown on Assessor Map 107 as Lot 29 and lies within the Character District 5 (CD5), Downtown Overlay and Historic Districts.

VI. WORK SESSIONS (NEW BUSINESS)

1. Work Session requested by **Novocure, Inc., owner**, for property located at **64 Vaughan Street**, wherein permission is requested to allow the installation of animated direct illumination signage as per plans on file in the Planning Department. Said property is shown on Assessor Map 126 and Lot 1 and lies within the Downtown Overlay, Character District 5 (CD5), and Historic Districts.

VII. ADJOURNMENT

**Members of the public also have the option to join this meeting over Zoom, a unique meeting ID and password will be provided once you register. To register, click on the link below or copy and paste this into your web browser:*

https://us06web.zoom.us/webinar/register/WN_rcbG2eEmTmeUpwi31JR7Pw

**MINUTES OF
THE HISTORIC DISTRICT COMMISSION
PORTSMOUTH, NEW HAMPSHIRE
EILEEN DONDERO FOLEY COUNCIL CHAMBERS**

6:30 p.m.

September 06, 2023

MEMBERS PRESENT: Chairman Jon Wyckoff; Vice-Chair Margot Doering; City Council Representative Rich Blalock; Members Reagan Ruedig, Martin Ryan, David Adams, Dr. Dan Brown, and Alternate Karen Bouffard

MEMBERS EXCUSED: None.

ALSO PRESENT: Izak Gilbo, Associate Planner, Planning Department

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I. APPROVAL OF MINUTES

1. August 02, 2023

*City Council Representative Blalock moved to **approve** the minutes as presented, seconded by Mr. Ryan. The motion **passed** unanimously, 7-0.*

Note: Administrative Approval Items 2, 4, 6, 10, 11 and 12 were pulled for separate review and voting, therefore the items were not reviewed in sequence.

II. ADMINISTRATIVE APPROVALS

1. 3 Walker Street

Mr. Gilbo said the applicant requested approval for the front door replacement and that there were four options. Vice-Chair Doering asked if the transom lights at the top would remain, and Mr. Gilbo said they would. Chairman Wyckoff asked what happened to the brackets. The applicant was present and said the brackets were previously approved and that he preferred Option 1 for the door. It was further discussed and the Commission decided on Option 1.

Stipulation: The applicant shall use door option #1, the 4-lite door with 1 panel under.

2. 333 State Street

The applicant's representative architect Bryan Giroux was present to request a new awning system and said the new logo and existing shutters would be replaced with metal Bahama-style ones to be more resilient and to match the TD Bank's brand color. Mr. Adams said he previously reviewed the wrong building and wanted to withdraw his statement as to how wonderful he thought the awnings blended in and that he struggled with them now. Mr. Ryan asked why the

applicant chose the slatted canopy instead of a solid one. Mr. Giroux said it was more of an open lattice design to provide for backlit illumination, which he further explained. Vice-Chair Doering asked if the existing lighting would be reused or if a new scheme would be presented later on. Mr. Giroux said the LED linear light fixture was new. Mr. Ryan asked if, given the angle of the slats, the bulb itself would be seen. Mr. Giroux explained how no glare would be seen from the fixture and that it had been applied at other locations of the bank. Vice-Chair Doering asked if the style of shutter was chosen because it had been installed at other TD Bank locations or because it went with the style of the building. Mr. Giroux said the intent was to replace the dated awnings that were there instead of refabricating them in green.

*Chairman Wyckoff asked for a motion to pull the administrative approval item and vote on it right away. Ms. Ruedig seconded. The motion **passed** unanimously, 7-0.*

*Ms. Ruedig moved to **approve** the item as presented, noting that it was an improvement by removing the green banding and the awnings would be reversible and would not do permanent damage. Dr. Brown seconded.*

*The motion **passed** by a vote of 4-3, with Vice-Chair Doering, Mr. Adams, and Ms. Bouffard voting in opposition.*

3. 621 Islington Street, Units A, B, and C

The request was for three condensers, one for each unit. Mr. Gilbo said the Commission would stipulate that the applicant choose one of their preferred screening options. The HVAC representative (no name given) was present and Mr. Gilbo explained the reason for the stipulation and said he would work with him choosing the proper screening.

Stipulation: The applicant shall choose one of the Commission's preferred screening options.

4. 147 Congress Street

The applicant's representative architect Sarah Howard was present, along with building project manager Andrew Wilson and owner Michael Labrie. Ms. Howard reviewed the changes.

Mr. Adams said the roof drains looked like PVC with stoppers on them and asked if they would be left open. Ms. Howard said they would be painted PVC and would have stoppers. Mr. Adams said the roof drains looked like they were exposed on the front of the building. Mr. Wilson said they would remain that way and would be painted black to match the posts. He further explained how there was no other way to run them. Mr. Labrie said the original canopy was designed to shed onto the sidewalk but it wasn't allowed, so they were forced to redesign the roof structure so that it would pitch and ended up having to drain the water through seven leaders. He said they discussed converting the PVC to a piece of pipe with a different copper. Chairman Wyckoff said most of the buildings in the Historic District used copper leaders or downspouts and thought it would be a good thing if the applicant could get away with using that on the front without the cleanouts. Mr. Wilson asked if they could paint the metal downspout black instead of copper because there was no other copper on the building. Ms. Ruedig agreed. Mr. Adams said it would

be nice to have something that paint sticks to instead of PVC. Mr. Ryan suggested enclosing the steel posts and the leaders within them. Mr. Wilson said the pipe would have to come down to the soffit and explained why it wouldn't work.

*Mr. Adams moved to **pull the item out** to give the applicant time to work out the issues. Ms. Ruedig seconded. The motion **passed** unanimously, 7-0.*

Mr. Ryan asked for a continuation instead because he didn't think the project was well thought out. Vice-Chair Doering said the side changes should be approved while the applicant worked on the front plan.

*Mr. Adams **amended** his motion to pull the item out and said the item could be **continued** at the October meeting so that the applicant could present the plans for the front. Ms. Ruedig seconded. The motion **passed** by unanimous vote, 7-0.*

5. 28 South Street

The request was for an AC condenser at the rear of the structure. The applicant's representative Dana Joy was present and said his client preferred to have it on the vee because it would be less intrusive. Mr. Adams said there was an ell at the back of the house that provided a notch and the 4' high fence passed it, so it looked like the best location for the condenser and it wouldn't require screening because it was tight there.

Stipulation: The condenser shall be placed at the back of the house.

6. 60 Penhallow Street

Ms. Ruedig recused herself. Mr. Gilbo said the standing seam was changed to a non-standing seam, the finish was changed to a natural metal finish, the nosing profile went to $\frac{3}{4}$ from a half, and the roofing material was a different color.

*Vice-Chair Doering moved to **approve** the item, seconded by Mr. Ryan. The motion **passed** unanimously by a vote of 6-0, with Ms. Ruedig recused.*

7. 4 Rock Street, Unit #3

Mr. Gilbo said the original approved application was a combination of new windows and restoring existing ones, but a few existing windows were past the point of restoration and the applicant wanted to replace them with Green Mountain windows.

8. 320 Union Street

The request was to repair an existing retaining wall and extend it and to also do some landscaping features on the property. Mr. Gilbo showed the site plan and said the applicant wanted to go from slate and brick to granite with a stone veneer.

9. 459 Islington Street

Mr. Gilbo said the applicant wanted a mural that wasn't a sign but was more of a piece of art and that he wanted feedback on its mass and scale. The Commissioners said they were fine with it.

10. 138 Maplewood Avenue

The applicant's representative architect Anne Whitney was present to discuss the design changes and said she added a crown, base, and band molding to the columns to give them some detail. She said the screening would shift in and the column on the corner would be prominent.

Mr. Ryan said he didn't like it when a project came back because it didn't comply with what was approved, but he said he would have supported the square column with the molding if it had been in the original application, so he would reluctantly accept it. Mr. Adams said he saw the building and the outside columns did not line up with the corners of the building. It was further discussed.

*Ms. Ruedig moved to **approve** the item as presented, seconded by Councilor Blalock. The motion **passed** by a vote of 6-1, with Mr. Adams voting in opposition.*

11. 3 Pleasant Street

Ms. Ruedig recused herself. The request was to install an awning system in the back near a pedestrian walkway and over an existing trash enclosure.

*Mr. Ryan moved to **approve** the item, seconded by Vice-Chair Doering. The motion **passed** by unanimous vote, 6-0, with Ms. Ruedig recused.*

12. 30 Penhallow Street

The request was to install an awning system for the utility area.

*Mr. Ryan moved to **approve** the item, seconded by Doctor Brown. The motion **passed** unanimously, 7-0.*

13. 361 Islington Street

Project contractor Jeff Dyer was present on behalf of the applicant and requested approval for siding. He showed a sample to the Commission. In response to Ms. Ruedig's and Mr. Ryan's questions, Mr. Dyer said it would hold up to moisture because it would have the same qualities as Azek and it would be nailed on the strapping behind the reveal.

14. 179 Pleasant Street

Mr. Gilbo said the applicant requested a few field changes, including using Vermont slate for the roof and a new black color called North Country Black. The applicant's contractor David Caulkins was present and showed a sample of the slate. Mr. Gilbo said two modifications on the

rear of the structure were that the chimney would shift four feet toward the backyard and the patio would shift away from the adjacent property line.

DECISION OF THE COMMISSION

*Mr. Adams moved to **approve** Items 1, 3, 5, 7, 8, 9, 13 and 14 with their respective stipulations, seconded by Ms. Ruedig. The motion **passed** unanimously, 7-0.*

III. CERTIFICATE OF APPROVAL EXTENSIONS

1. Petition of **EIGHTHKPH, LLC, owner**, for property located at **161 Deer Street**, wherein permission is requested for a one-year extension of the Certificate of Approval originally granted on October 05, 2022 to allow the demolition of the existing structure and the new construction of a new mixed-use building as per plans on file in the Planning Department. Said property is shown on Assessor Map 125 as Lot 17-3 and lies within the Character District 5 (CD5) and Historic Districts.

DECISION OF THE COMMISSION

*Ms. Ruedig moved to **grant** the one-year extension request, seconded by Vice-Chair Doering. The motion **passed** unanimously, 7-0.*

Note: At this point in the meeting, Chairman Wyckoff said it was suggested to him that the Commission limit the discussion of their opinions on the property while the applicant was at the dais and instead explain why they voted after a motion was made.

IV. PUBLIC HEARINGS (OLD BUSINESS)

Dr. Brown recused himself from the following petition.

A. Petition of **Peter G. Morin Trust, Peter G. Morin Trustee, owner**, for property located at **0 Mechanic Street (170 Mechanic Street)**, wherein permission is requested to allow renovations to an existing structure (replace windows and pedestrian door on the existing barn and complete exterior maintenance) as per plans on file in the Planning Department. Said property is shown on Assessor Map 103 as Lot 35 and lies within the Waterfront Business (WB) and Historic Districts.

SPEAKING TO THE PETITION

Project architect Anne Whitney was present on behalf of the applicant. She said they wanted to replace the windows, replace the siding and corner boards in kind, replace the front wooden person door with a different material, and replace a few double doors in the rear elevation in kind. She said the structure would probably be raised eventually because it had flooded.

Vice-Chair Doering asked if the front door would be field painted. Ms. Whitney agreed and said only the material would change for more resiliency. Mr. Adams asked if there would be

clapboards on the front, rear and sides. Ms. Whitney said clapboards would be on the front and rear but the sides would just have the trim replaced and the wood shingles would remain.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Mr. Adams moved to **grant** the Certificate of Approval for the application as presented, seconded by Vice-Chair Doering.*

Mr. Adams said the project would preserve the integrity of the Historic District and of the building. He said the changes were minor and there was no change in use. Mr. Ryan said he could not support a fiberglass door so close to the street in that environment because it would be out of character with the natural wood siding and trim, the windows, etc. He recommended a wood door. Vice-Chair Doering said she supported switching the door due to the ongoing flooding issue and that the door could be replaced with a wooden one when the structure was lifted. Mr. Ryan aside if the fiberglass door had a fiberglass face. Ms. Whitney said it was foam with a fiberglass exterior. Most of the Commissioners preferred a wood door.

*Mr. Adams **withdrew** his motion.* He said he didn't realize the Commission's sentiment for a wood door was so strong. Ms. Whitney said they could do a fir door that would hold up better than a pine door.

*Councilor Blalock then moved to **grant** the Certificate of Approval for the application with the stipulation that the applicant shall install a fir wood pedestrian door.. Mr. Adams seconded.*

Councilor Blalock said the project would meet the integrity of the Historic District and would be compatible with surrounding materials.

*The motion **passed** unanimously by a vote of 6-0, with Dr. Brown recused.*

At this point in the meeting, Chairman Wyckoff noted that New Business, Petition No. 5, 202 Court Street and Work Session C, 14 Market Square, were requested to be postponed.

*Ms. Ruedig moved to **postpone** the petition and work session to the October meeting, seconded by Councilor Blalock. The motion **passed** unanimously, 7-0.*

V. PUBLIC HEARINGS (NEW BUSINESS)

1. Petition of **Rhianna W. Llewellyn, owner**, for property located at **503 State Street, Unit 3**, wherein permission is requested to allow exterior renovations to an existing structure (add a new sliding door on the rear side of the structure) as per plans on file in the Planning

Department. Said property is shown on Assessor Map 126 as Lot 15-3 and lies within the Character District 4-L1 (CD4-L1) and Historic Districts.

SPEAKING TO THE PETITION

The applicant Rhianna Llewellyn was present and said she wanted to add another point of egress to the unit. She said the door would not be visible from State or Islington Streets. She said the old heating unit would be removed and the spot would be patched to match the building.

Vice-Chair Doering asked if the applicant had considered a French door instead of a slider. Ms. Llewellyn said she had but it was a small space and the door would have had to be centered on that wall, which would be problematic for the interior flow. Mr. Ryan asked if the egress door was needed because of an added unit, and Ms. Llewellyn said it was just an aesthetic upgrade.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Ms. Ruedig moved to **grant** the Certificate of Approval for the petition as presented, seconded by Councilor Blalock.*

Ms. Ruedig said the small building was tucked far away and the side with the door wouldn't be visible from anywhere. She said it would improve the unit without making an impact on the area or the Historic District. She said the project would conserve and enhance property values and have compatibility of innovative design with surrounding properties.

*The motion **passed** unanimously, 7-0.*

2. Petition of **82-86 Congress Street, LLC, owner**, for property located at **82-86 Congress Street**, wherein permission is requested to allow exterior renovations to an existing structure (replace existing Chestnut Street lobby entry with new door and lighting and create a new egress door) as per plans on file in the Planning Department. Said property is shown on Assessor Map 117 as Lot 45 and lies within the Character District 5 (CD5), Downtown Overlay and Historic Districts.

SPEAKING TO THE PETITION

Project architect Richard Desjardins was present on behalf of the applicant, with Marie Bodie, CEO of McNabb Properties. Mr. Desjardins said they wanted to reduce the number of doors going into the lobby so they were requesting a Marvin Ultimate Series single door with two sidelights. He said the Fire Department also wanted an egress door out of the garage.

Ms. Ruedig said the bronze finish would be very dark. Mr. Desjardins said it was consistent with the rest of the window colors and selections. Ms. Ruedig noted that the current doors seemed lighter and the neighboring windows all looked lighter as well. Mr. Desjardins said that was part of the storefront for the new café and Summer Sessions space and that it would differentiate the two. Ms. Ruedig said she wanted to know how the whole look would end up to make sure it was consistent. Mr. Desjardins said the bronze would be consistent with the rest of the windows in the building. Vice-Chair Doering asked if the cheek walls to the right and left would be painted. Mr. Desjardins said they would be but the color hadn't been decided yet.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Mr. Adams moved to **grant** the Certificate of Compliance for the petition as presented, seconded by Councilor Blalock.*

Mr. Adams said the project would maintain the special character of the building and Historic District. He said he saw it that day and was concerned at first about the loss of the multiple doors and how they related to the multiple divisions of the windows above them, but he found it to be more of an academic problem. He said the five panels of glazed openings that represented the current set of doors did no better a job of relating to the multiple lights above it than the three door panels below. He said the metal side egress door was a utility space in someone's driveway and it lined up with the windows above and the building and was appropriate.

*Councilor Blalock concurred. The motion **passed** unanimously, 7-0.*

Mr. Adams recused himself from the following petition.

3. Petition of Paul and Holly Head, owners, for property located at 347 Maplewood Avenue, wherein permission is requested to allow exterior renovations to an existing structure (rebuild main entry pediment, pilasters and trim as originally documented) as per plans on file in the Planning Department. Said property is shown on Assessor Map 141 as Lot 25 and lies within the General Residence A (GRA) and Historic Districts.

SPEAKING TO THE PETITION

Carpenter Rob Lusignan was present on behalf of the applicant and said he wanted approval to reinstall the pediment as it existed before. He said he would use pine and SEPO materials or a similar African mahogany material for some of the moldings.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Ms. Ruedig moved to **grant** the Certificate of Approval for the application as presented, seconded by Councilor Blalock.*

Ms. Ruedig said the project would preserve the integrity of the Historic District and would have relation to the historical and architectural value of the existing structure.

*The motion **passed** unanimously, 6-0, with Mr. Adams recused.*

4. Petition of **Melanie Piper Allison, owner**, for property located at **236 Union Street**, wherein permission is requested to allow new construction to an existing structure (construct a 2nd story addition over the existing rear first floor footprint with HVAC equipment) as per plans on file in the Planning Department. Said property is shown on Assessor Map 135 as Lot 22 and lies within the General Residence C (GRC) and Historic Districts.

SPEAKING TO THE PETITION

Project architect Richard Lowe was present on behalf of the applicant. He said the addition would use the same details, materials, and roof pitch as the main structure. He said the proposal for the rear deck was deleted and the enclosed studio would be extended to include that space. He said the roof on top of the studio would shift away from the street and the HVAC equipment was removed from the proposal. He said the new cladding material would be vertical and the boards on the lower floor would be removed. He said two of five windows in the existing building would be removed and the new windows on the rear would be in keeping.

Vice-Chair Doering said the 2nd story addition was shifted back when the open deck in the back was enclosed, so there was now a flat roof section between the original building and the new addition on the back. Mr. Lowe said more space between the two roof areas would help maintain the predominance of the street volume by not having the new addition with the gable so close to the existing roof. Vice-Chair Doering asked why there were no windows on the interior side of the addition. Mr. Lowe said the blank wall was toward the north of a single room.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Mr. Ryan moved to **grant** the Certificate of Approval for the petition as presented, seconded by Ms. Ruedig.*

Mr. Ryan said the addition was in keeping with the existing house and matched its quality and craftsmanship. He said it would preserve the integrity of the Historic District and have compatible design with surrounding properties. Ms. Ruedig concurred and said she was sorry she missed the work session, but she was present at the building's original approval and was excited because it was a very contemporary interpretation of the traditional forms in the neighborhood. She said the addition would fit in with the main building and the neighborhood's massing. Mr. Adams said he had difficulty supporting the motion due to the roof structure, the pitch of the entry cover, the punched openings of the windows, and the vertical siding. He said that almost no part of the addition had any relationship to the character of the neighborhood. Vice-Chair Doering said she wasn't sure how she would have voted originally, but she based her approval on the existing building versus what was theoretically lost or should have been done in the past.

*The motion **passed** by a vote of 6-1, with Mr. Adams voting in opposition.*

5. REQUEST TO POSTPONE- Petition of **202 Court Street Property Group, LLC, owner**, for property located at **202 Court Street**, wherein permission is requested to allow exterior renovations to an existing structure (install HVAC condensers with fencing and roof mounted solar panels) as per plans on file in the Planning Department. Said property is shown on Assessor Map 116 as Lot 35 and lies within the Character District 4-L1 (CD4-L1) and Historic Districts.

DECISION OF THE COMMISSION

*The petition was **postponed** to the October meeting.*

6. Petition of **Strawbery Banke, Inc., owner**, for property located at **65 Washington Street (Penhallow House)**, wherein permission is requested to allow changes to a previously approved design (lift the existing structure to build new below grade foundation, the existing foundation will be reused from the ground up) as per plans on file in the Planning Department. Said property is shown on Assessor Map 104 as Lot 7 and lies within the Mixed Research Office (MRO) and Historic Districts.

SPEAKING TO THE PETITION

Rodney Rowland, Executive Director of Facilities and Environmental Sustainability at Strawbery Banke Museum, was present along with Arron Sturgis of Preservation Timber Framing. Mr. Rowland said the Penhallow House was suffering from rising sea level issues and there was groundwater intrusion into the basement. He said the foundation would be removed, the building would be lifted, and a concrete foundation would be put in.

Mr. Adams asked if the front steps would be put back and was told that they would. Mr. Ryan asked if it was common to change out a sill beam. Mr. Sturgis said it was and that the issue was the amount of water coming in and staying in. He said they needed to provide an escape route for

the water. Mr. Ryan asked what species of wood would be used. Mr. Sturgis said it would be a natural species in kind. Mr. Adams asked when the house was moved to that location. Mr. Rowland said it was moved in 1862. Mr. Adams asked about the bridge. Mr. Rowland said they found what they thought were remnants of that structure. Chairman Wyckoff asked why the applicant wasn't lifting the structure right away. Mr. Rowland said Strawberry Banke was a historic preservation organization first and then there was climate change adaptation. He said they would deal with the groundwater intrusion by putting in a new foundation. He said the City would deal with other issues related to FEMA flood projections and surface water issues and he would wait to see how all those pieces fit together. It was further discussed.

Chairman Wyckoff opened the public hearing.

SPEAKING TO, FOR, OR AGAINST THE PETITION

No one spoke, and Chairman Wyckoff closed the public hearing.

DECISION OF THE COMMISSION

*Ms. Ruedig moved to **grant** the Certificate of Approval for the petition as presented, seconded by Councilor Blalock.*

Ms. Ruedig said the project would preserve the integrity of the Historic District and would have compatibility of innovative technologies with surrounding properties. She said she was thankful that a solution was found because there were so many different pathways that could be taken and Strawberry Banke was very thoughtful about what they did with all their properties. She said the solution would preserve the building in its context for a long time. Councilor Blalock agreed.

*The motion **passed** unanimously, 7-0.*

VI. WORK SESSIONS (OLD BUSINESS)

A. Work Session requested by **C. Daniel Freund, owner**, for property located at **37 Prospect Street**, wherein permission is requested to allow new construction to an existing structure (add separate first and second floor additions) as per plans on file in the Planning Department. Said property is shown on Assessor Map 141 as Lot 16 and lies within the General Residence A (GRA) and Historic Districts.

Mr. Ryan recused himself from the work session.

The owner C. Daniel Freund was present and said he created a more urban plan for the carport. He said the roof shingles would be similar to the main house and there would be polycarbonate openings above the existing windows. Mr. Adams said they would be water resistant but would still leak, and he suggested a different product. Vice-Chair Doering asked how the roof was supported. Mr. Freund said there was a header at the main house and supporting 6x6 posts. Ms. Ruedi asked if the changes were just for the carport. Mr. Freund agreed. He said the shed dormer was needed over one-third of the barn to provide an egress window that wasn't open to the

stairwell. It was further discussed. Chairman Wyckoff asked how the posts would be integrated into the roof. Mr. Freund said he would keep it as close to the structure itself as he could.

There was no public comment.

Vice-Chair Doering said the addition was difficult to envision from the drawings and that she had concerns about the little barn and the fragility of the age of the structure, how special it was, and what was being planned for it. She said, however, that the plans were preliminary and more conceptual. Mr. Freund said the foundation around that section went down four feet and the framing wouldn't be seen from the outside. Ms. Ruedig said the drawing had an infill. Mr. Freund said he had gone back and forth with that because it didn't exist in the current structure. Chairman Wyckoff said the addition seemed not to have structural integrity. He asked that the applicant return with a drawing that showed the new structure and everything else.

DECISION OF THE COMMISSION

The applicant said he would return for a Work Session/Public Hearing.

B. Petition of **129 State Street, LLC, owner**, for property located at **129 State Street**, wherein permission is requested to allow exterior renovations to an existing structure (modifications to windows, skylights, door, canopy and railing design, size and location) as per plans on file in the Planning Department. Said property is shown on Assessor Map 107 as Lot 47 and lies within the Character District 4 (CD4) and Historic Districts.

Architect Howard Spivak was present on behalf of the applicant and presented the changes consisting of windows, columns, and the solarium. He explained the two options for the solarium and said the skylights would be discussed at the next work session.

Councilor Blalock asked if the changes in the solarium included the west elevation. Mr. Spivak said it was changed the last time and they were within the wood frame. Ms. Bouffard said she liked the southern glazing elevation better. Mr. Spivak said they preferred the first option (as presented on page 8 of the packet with the steel railing) but would be fine with the other option. Ms. Ruedig said it looked like fixed glass. Chairman Wyckoff said he preferred the second option (as shown on page 9) for the rail but thought the window proportions on the back street were better. Ms. Ruedig asked Mr. Spivak if he thought about putting a 2 over 2 window on the corner of the third floor of the north elevation, noting that the proportions of the glass were much smaller. Mr. Spivak said he would do so. He said he would do a mockup of the skylight for another work session and that a site walk would be done. Mr. Adams said he appreciated the formality on the proposed rear elevation instead of the country cottage look because it allowed the round columns to be pushed off to the side. He said he preferred the second option because of the second-floor balcony railings. Dr. Brown said it was a unique way to present the front on Sheafe Street with double columns on either side. Councilor Blalock said he preferred the second option. Mr. Ryan said he could go either way.

Public Comment

Mark Bodie said he represented 99 percent of the Sheafe Street residents and was still concerned about the massing and wasn't sure the addition was accurately represented in the photos with respect to how close it would be to the street and that the turning radius to get into the garage might not be adequate. He said the only change he saw was that the windows had been separated with a little bit of wood. Vice-Chair Doering asked what Mr. Bodie would consider an acceptable mass. Mr. Bodie said there was always a small attachment to that building and there were concerns over the last addition about massing. He said the new addition was 3-4 times bigger than that. He said the Sheafe Street residents objected to the size and appending the new structure to a historical structure and the addition wasn't subservient to the historical building. He said the addition should be smaller and closer to the road.

Marie Bodie of 121 State Street said all the additions on the third and fourth floor were excessive and was appalled that the applicant didn't have any heights or dimensions or more details. She said the building was getting taller and that examples of the windows and other materials should have been presented at the meeting. Mr. Ryan asked Mr. Spivak to bring in an orthographic elevation showing Sheafe Street with the adjacent buildings and a site plan with greater context. Mr. Gilbo noted that the City had a 3D model application that Mr. Spivak could use.

Jim Keane of 123 State Street said the drawing still showed a soffit overhang on his property and if it was within two feet, the Inspection Department wouldn't approve it. He said the renderings showed his building as having black windows when it had green mullions and tan trim.

DECISION OF THE COMMISSION

*Vice-Chair Doering moved to **continue** the work session to the October meeting, seconded by Councilor Blalock.*

C. REQUEST TO POSTPONE- Work Session requested by **John Galt, owner**, for property located at **14 Market Square**, wherein permission is requested to allow new construction to an existing structure (add curbed rooftop addition and dormers) as per plans on file in the Planning Department. Said property is shown on Assessor Map 107 as Lot 29 and lies within the Character District 5 (CD5), Downtown Overlay and Historic Districts.

*The petition was **postponed** to the October meeting.*

VII. ADJOURNMENT

The meeting adjourned at 9:30 p.m.

Respectfully submitted,

Joann Breault
HDC Recording Secretary

HDC

ADMINISTRATIVE APPROVALS

October 04, 2023

1. 147 Congress Street -Recommended Approval
2. 22 Ladd Street, Unit A -Recommended Approval
3. 169 Lafayette Road, Unit 2 -Recommended Approval
4. 104 Congress Street -Recommended Approval
5. 466 Marcy Street -Recommended Approval
6. 260 Marcy Street -Recommended Approval
7. 503 State Street, Unit 3 -Recommended Approval
8. 42 Hunking Street -Recommended Approval
9. 9 Sheafe Street -Recommended Approval
10. 39 Dearborn Street -Recommended Approval

1. 147 Congress Street

- Recommended Approval

Background: The applicant is seeking approval for changes to previously approved design (final approval for rain headers facing Congress Street).

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-668

Historic District Commission Work
Session or Administrative Approval
Application
Status: Active
Submitted On: 8/18/2023

Primary Location

147 CONGRESS ST
Portsmouth, NH 03801

Owner

LUCKY THIRTEEN PROPERTIES LLC
PO BOX 300 RYE, NH 03870-0300

Applicant

 Danielle Cain
 603-501-0202
 dcain@marketsquarearchitects.com
 104 Congress St
Suite 203
Portsmouth, NH 03801

Application Type

Please select application type from the drop down menu below

Alternative Project Address 

Administrative Approval

Project Information

Brief Description of Proposed Work*

- ADJUSTMENT TO WEST ELEVATION
- MINOR ALTERATIONS TO WINDOWS AND CANOPIES DUE TO STRUCTURAL REQUIREMENTS
- INCLUSION OF ROOF DRAINS AND RAIN LEADERS
- REMOVAL OF BRICK REVEAL AND RECESSED LIGHT

Description of Proposed Work (Planning Staff)

changes to a previously approved design (adjustment to west elevation, alterations to windows and canopies, installation of roof drains and rain leaders, and removal of brick reveal and recessed light)

Project Representatives

Relationship to Project	If you selected "Other", please state relationship to project.
Architect	
Full Name (First and Last)	Business Name (if applicable)
sarah howard	Market Square Architects
Mailing Address (Street)	City/Town
104 congress st	Portsmouth

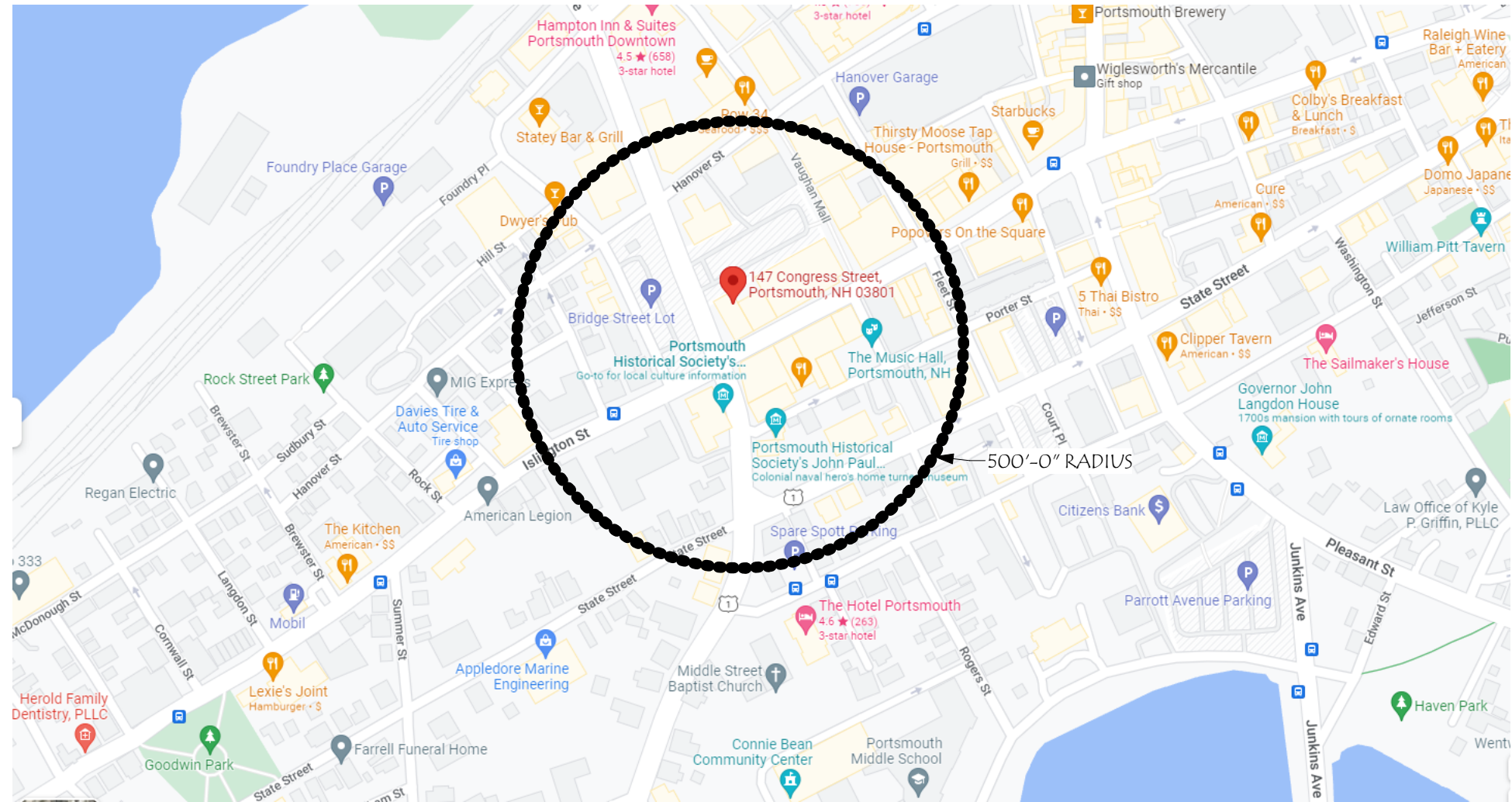
147 CONGRESS STREET

GENERAL PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE ADDITION OF A NEW GROUND UP SINGLE STORY STRUCTURE TO AN EXISTING BUILDING

NEW SCOPE:

- ◇ RAIN LEADERS AT CONGRESS STREET



ZONING SUMMARY:

ZONING DISTRICT: HISTORIC DISTRICT CD5,
 DOWNTOWN OVERLAY DISTRICT
 LOT SIZE: ~6,282 SF
 MIN OPEN SPACE: 5%
 BUILDING HEIGHT: 2-3 STORIES, 40'-0" ALLOWED
 MIN GROUND STORY HEIGHT : 12'-0" MIN REQUIRED
 MIN GROUND STORY HEIGHT: ~11'-0" EXISTING
 REQUIRED FACADE TYPE: SHOPFRONT

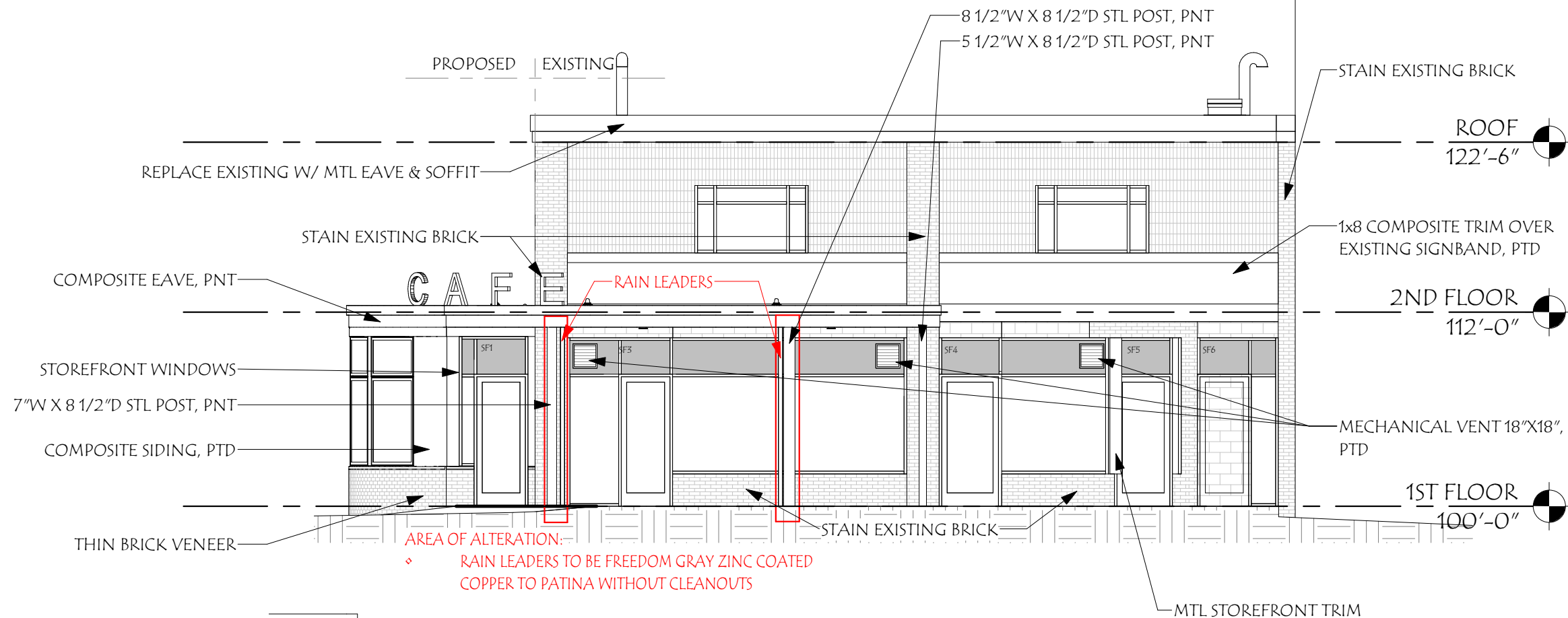
147 CONGRESS

147 Congress St
 Portsmouth, NH 03801

Revisions #	Description	Date

SCALE:	SNH
DRAWN BY:	RJH
CHECKED BY:	202209
PROJECT NO.:	11/18/22
DATE:	9/12/2023 10:20:02 AM

TITLE:	COVER SHEET
	1

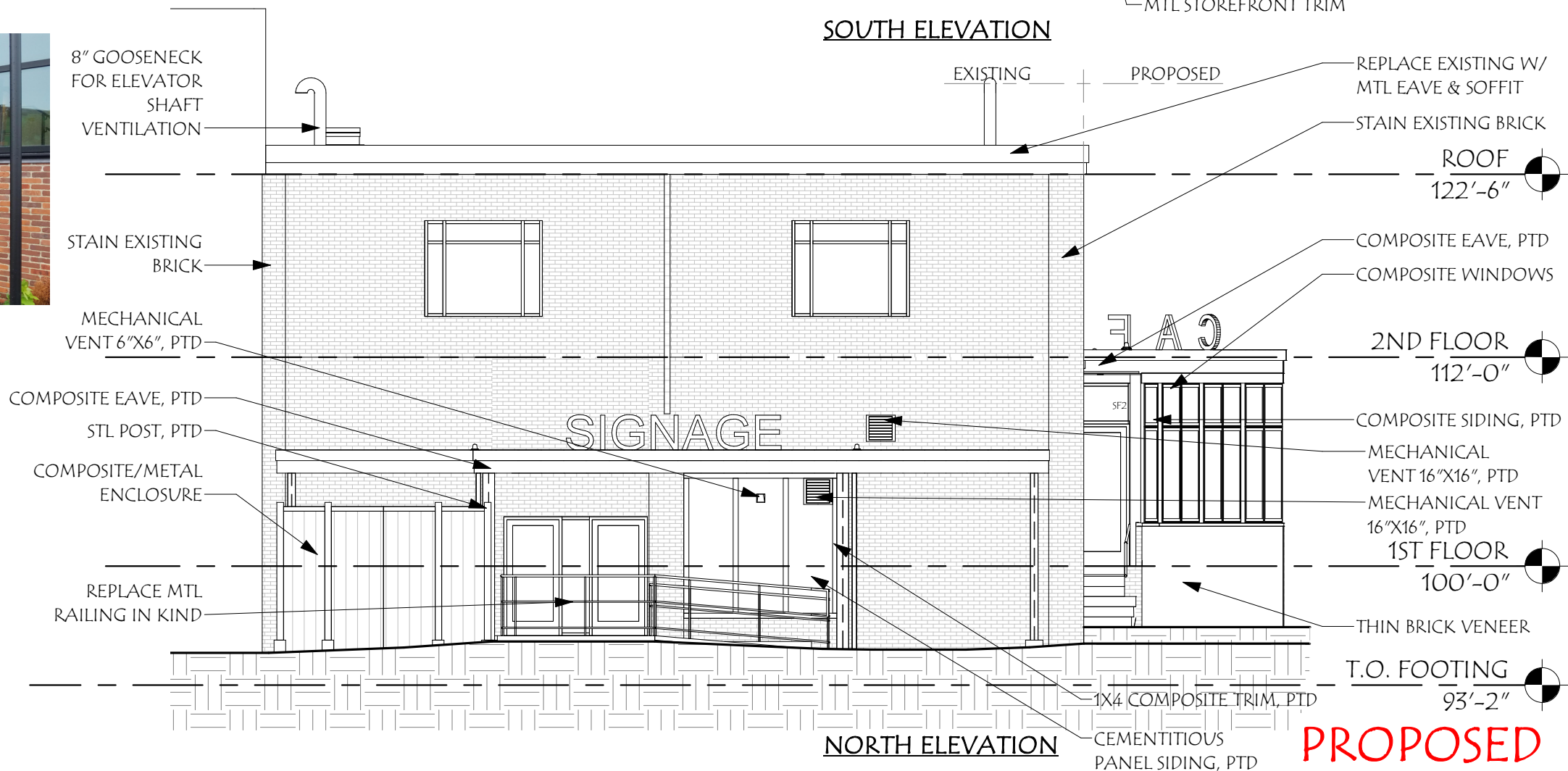


AREA OF ALTERATION:
 ♦ RAIN LEADERS TO BE FREEDOM GRAY ZINC COATED
 COPPER TO PATINA WITHOUT CLEANOUTS

SOUTH ELEVATION



ENCLOSURE INSPIRATION



NORTH ELEVATION

PROPOSED

Revisions #	Description	Date

SCALE: 1/8" = 1'-0"	DRAWN BY: SNH	CHECKED BY: RJH	PROJECT NO.: 202209	DATE: 11/18/22
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TITLE: PROPOSED ELEVATIONS	17
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2. 22 Ladd Street, Unit A

- Recommended Approval

Background: The applicant is seeking approval for replacement windows on the 2nd and third floors to match the existing windows, replace 4th floor deck doors with matching Andersen doors (approved on the building in a different location) and replace the rear Starbucks concrete entrance with granite.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-675

Historic District Commission Work
Session or Administrative Approval
Application

Status: Active
Submitted On: 8/30/2023

Primary Location

22 LADD ST
Portsmouth, NH 03801

Owner

DANICHA INVESTMENTS LLC
151 LAFAYETTE RD APT 1 PORTSMOUTH, NH
03801

Applicant

 Stephanie Castoldi
 978-500-4866
 stephanie@carenoconstruction.com
 270 West Road
Suite 4
Portsmouth, NH 03801

Application Type

Please select application type from the drop down menu below

Administrative Approval

Alternative Project Address 

High Street

Project Information

Brief Description of Proposed Work*

To replace two, upper level deck door systems to match existing and to replace the windows as clouded in the submittal package. This work also includes demo-ing Starbucks' rear entrance stoop on High St. and replacing with granite.

Description of Proposed Work (Planning Staff)

Project Representatives

Relationship to Project	If you selected "Other", please state relationship to project.
Other	Steve Hogan
Full Name (First and Last)	Business Name (if applicable)
Steve Hogan	Careno Construction
Mailing Address (Street)	City/Town
270 West Rd Suite 4	Portsmouth

PIERCE BLOCK BUILDING EXTERIOR IMPROVEMENTS

Careno Construction Company, LLC proposes improvements to the Pierce Block building in the historic, Market Square of downtown Portsmouth, NH. All work is figured for the High Street, Ladd Street and Alley sides of the building. Front of building facing Market Square is not included in our Scope. Careno Construction received HDC approval to replace those windows with the same windows we are proposing in this submittal. The timeframe of that project was 2008-2012.

Item #1 Replacement of Windows on High Street (2nd and 3rd floors, Ladd Street (2nd and 3rd floors) and Alley/Rear Building (1st – 4th floors).

➤ Remove and dispose of existing windows and replace in kind. All proposed windows will match existing windows in amount of glass, material, type, color and details. The new windows will be Harvey Majesty windows, similar to the windows installed by Careno Construction on the front of 3 Market Street (all the windows above Starbucks and Celtic Store) and the Portsmouth Athenaeum (front and alley rear of building) that were approved by the HDC. Harvey Majesty product information is included at the end of this submittal package.

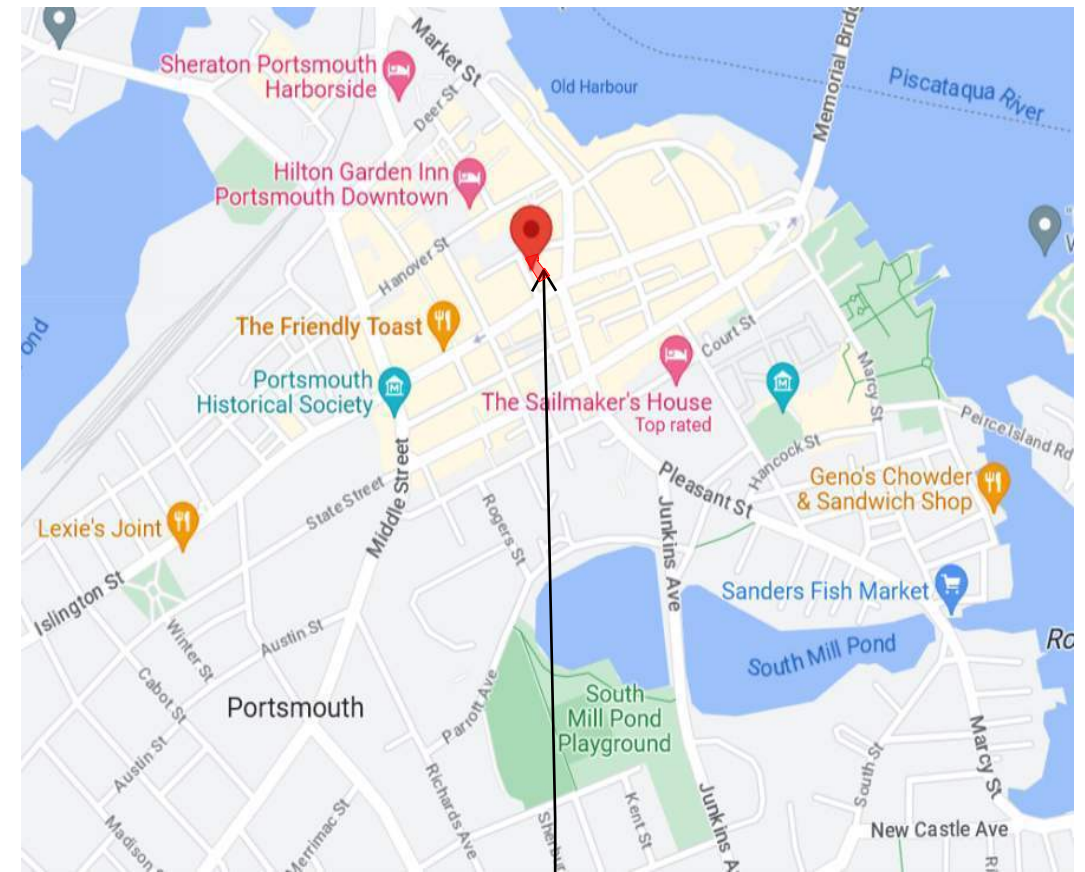
Item #2 High Street 4th Floor Deck Door Replacement

➤ Replace existing deck door systems on High Street with Anderson Door System to match recently replaced door systems on Ladd Street. The door systems received HDC approvals on Ladd Street and Careno Construction will install the same door system. Anderson Product information is included at the end of this submittal package.

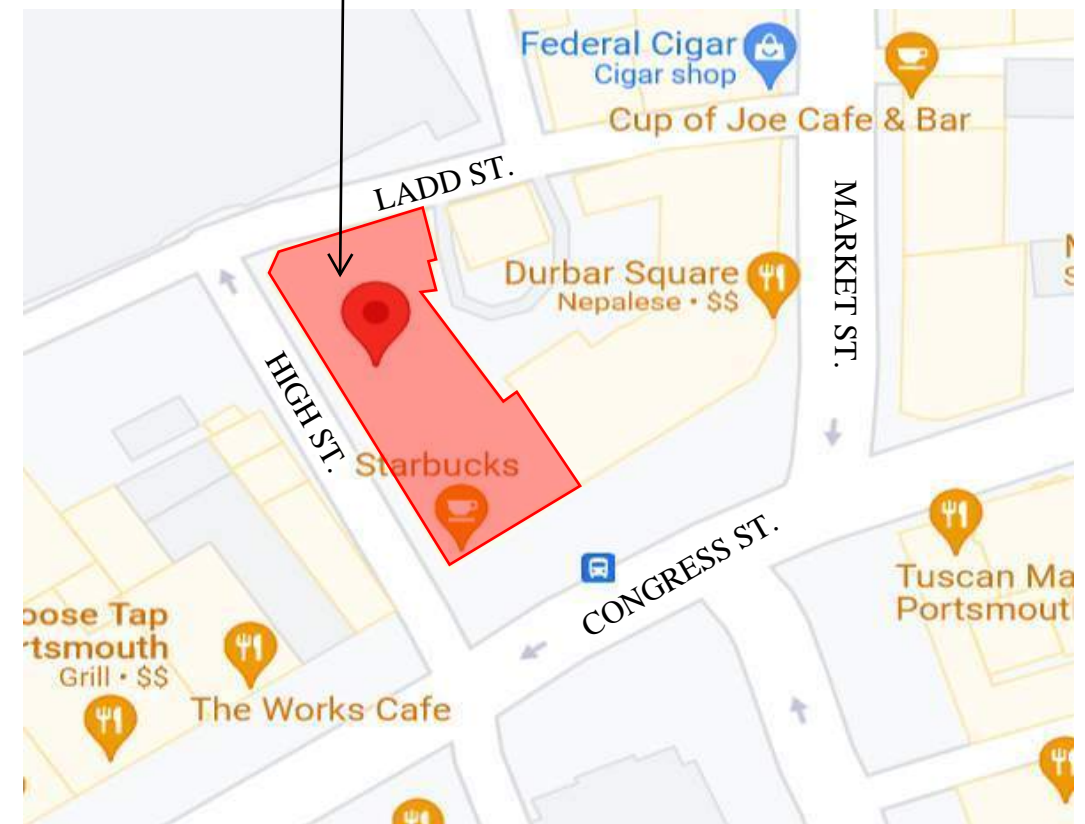
Item #3 Starbucks Rear Entrance Threshold (Ladd St.)

➤ Remove and dispose of existing deteriorated concrete stoop and steps and replace with granite. Proposed granite will match the existing granite as shown on page 5.

The intent of these improvements is to minimize maintenance operations, improve building efficiency, and to preserve the original historic character. All of the proposed windows and door systems will match an already existing element of the building. All existing units will be field verified so exact replicas will be installed in their place.



PROJECT
LOCATION



Alleyway Elevation

Scope of Work:

-Replace all 18, clouded windows in-kind. All new windows will match the original amount of glass, material, finish, detailing and texture.



Careno Construction Company, LLC
 Design/Build / Construction Managers / General Contractors
 270 West Rd Portsmouth, NH 03801 (603) 436.1006

PROJECT TITLE & ADDRESS:
PIERCE BLOCK
 3 MARKET ST.
 PORTSMOUTH, NEW HAMPSHIRE 03801

CLIENT:
PIERCE BLOCK CONDO ASSOCIATION

NO.	DATE	REVISION
△		
△		
△		
△		
△		
△		

DATE:	08/29/2023	SHEET NO.
PROJECT #:		
DRAWN BY:	SC	
SCALE:	PER PLAN	
SHEET TITLE:		

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Ladd St. Elevation

Scope of Work:

-Replace the clouded windows in-kind. All new windows will match the original amount of glass, material, finish, detailing and texture.



Replacement door system on High St. will match this door system

NO.	DATE	REVISION
△		
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△		

DATE:	08/29/2023
PROJECT #:	
DRAWN BY:	SC
SCALE:	PER PLAN
SHEET TITLE:	

SHEET NO.

High St. Elevation

Scope of Work:

- Replace clouded windows in-kind. All new windows will match the original amount of glass, material, finish, detailing and texture.
- Replace clouded, 4th floor deck door systems with Anderson Door System to match recently replaced door systems on Ladd Street. See previous Ladd St. elevation sheet for picture of proposed door system. This door system received HDC approvals and the same door system will be implemented on High St. at the clouded locations.



Location of existing concrete steps to be replaced with granite (see enlarged picture on next page)

High St. Enlargement

Scope of Work Cont.:

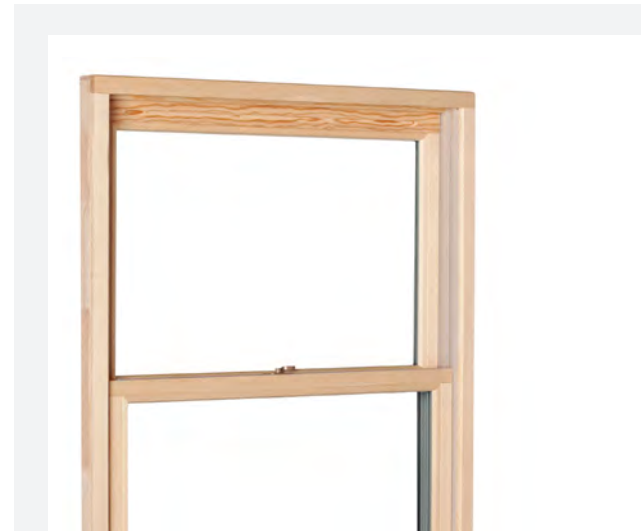
-Remove existing deteriorated concrete stoop and step and replace all with granite.



Proposed granite to match existing granite on building.



MAJESTY WOOD DOUBLE HUNG



Superb architectural details include a refined 45° glazing bead, overlapping grids, and elegant recessed hardware to provide a traditional and sleek look. The top and bottom sash have weatherstripping around them that prevents air infiltration and both tilt in for easy cleaning.

RECESSED SASH LOCK



LIFT OPTIONS



Routed Bottom Sash



Hook and Loop

FEATURES

ThermaLock glazing meets ENERGY STAR criteria (U-Value 0.27)

Solid pine interior with aluminum clad exterior

Recessed hardware provides unobstructed views and elegant, streamlined appearance

Jamb liner is standard in Almond; also available in White

REPLACEMENT

3-1/4" jamb depth

Aluminum sill expander included

NEW CONSTRUCTION

4-9/16" standard jamb depth; 6-9/16" field-applied extension jambs available

OTHER OPTIONS

Grids come in 5/8" and 1" sizes

Custom grid configurations plus oriel & cottage sash options

Obscured, Bronze or Tempered glazing available

Full size screens

Interior options include warm, unfinished pine or professionally prefinished white (includes 10-year paint warranty)

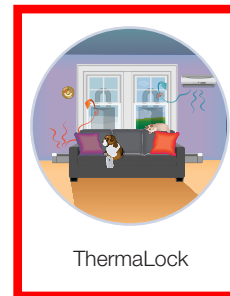
Interiors will be ordered as either primed or unfinished depending on existing conditions. All aspects of replacement windows will match existing.



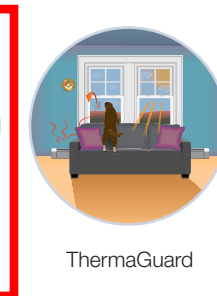
Size Limitations pg. 63

OPTIONS

ENERGY STAR GLASS



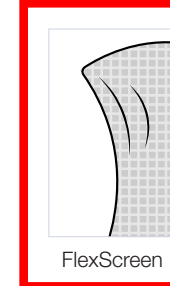
ThermaLock



ThermaGuard

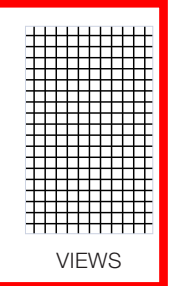
Grid and screen style to match existing. Existing windows are either 6 over 6 grids or grid-less. All will be verified in field.

SCREEN | FRAME

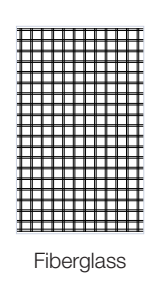


FlexScreen

SCREEN | MESH



VIEWS

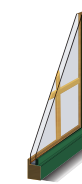


Fiberglass

GRID | TYPE



GBG

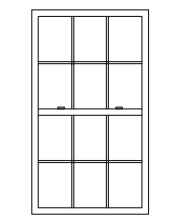


Exterior Applied/
Interior Snap-in

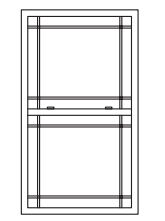


SDL

GRID | STYLE



Colonial



Prairie

COLORS | INT./EXT.



Int. Pine or White



Ext. Almond



Ext. White



Ext. Black



Ext. Forest Green



Ext. Dark Bronze

COLORS | HARDWARE



White/Almond



Coppertone



Brushed Nickel



Oil-Rubbed Bronze

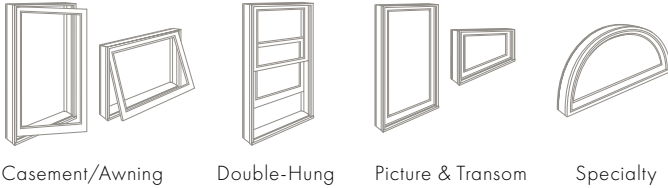
STANDARD

PREMIUM

WINDOW & DOOR TYPES

A-SERIES WINDOWS

The A-Series window lineup consists of casement, awning, double-hung, picture, transom (fixed or venting) and specialty shape windows. Every type is meticulously designed to fit a variety of different architectural styles. And with common sight lines they're designed to align perfectly no matter how you combine them.

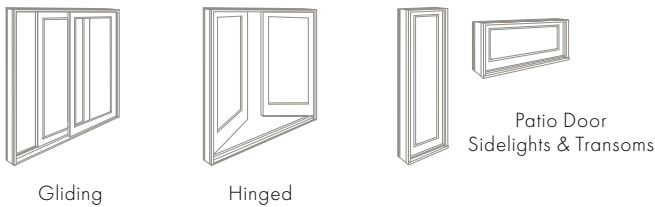


A-SERIES PATIO DOORS

The A-Series door lineup consists of gliding and hinged patio doors (inswing and outswing) with options to add sidelights and transoms for an even stronger connection to the outdoors.

Contemporary Panels **NEW!**

The new A-Series contemporary panels have a 6 1/4" (159) bottom rail as opposed to traditional panels with a 10 1/2" (267) bottom rail. Matching patio door sidelights and transoms are available.



COMPLEMENTARY CASEMENT WINDOWS

Our complementary casement windows offer easy operation along with old-world style. They include French casements — twin sash inside one frame with no mullion post between them like ordinary casements — that give you a totally unobstructed view. Complementary casement windows are available in rectangles, trapezoids and a variety of arched shapes.



COMPLEMENTARY CURVED TOP PATIO DOORS

With features like Romanesque arches and sweeping curves, nothing else quite matches the grandeur our complementary curved top inswing and outswing patio doors can bring to a home.

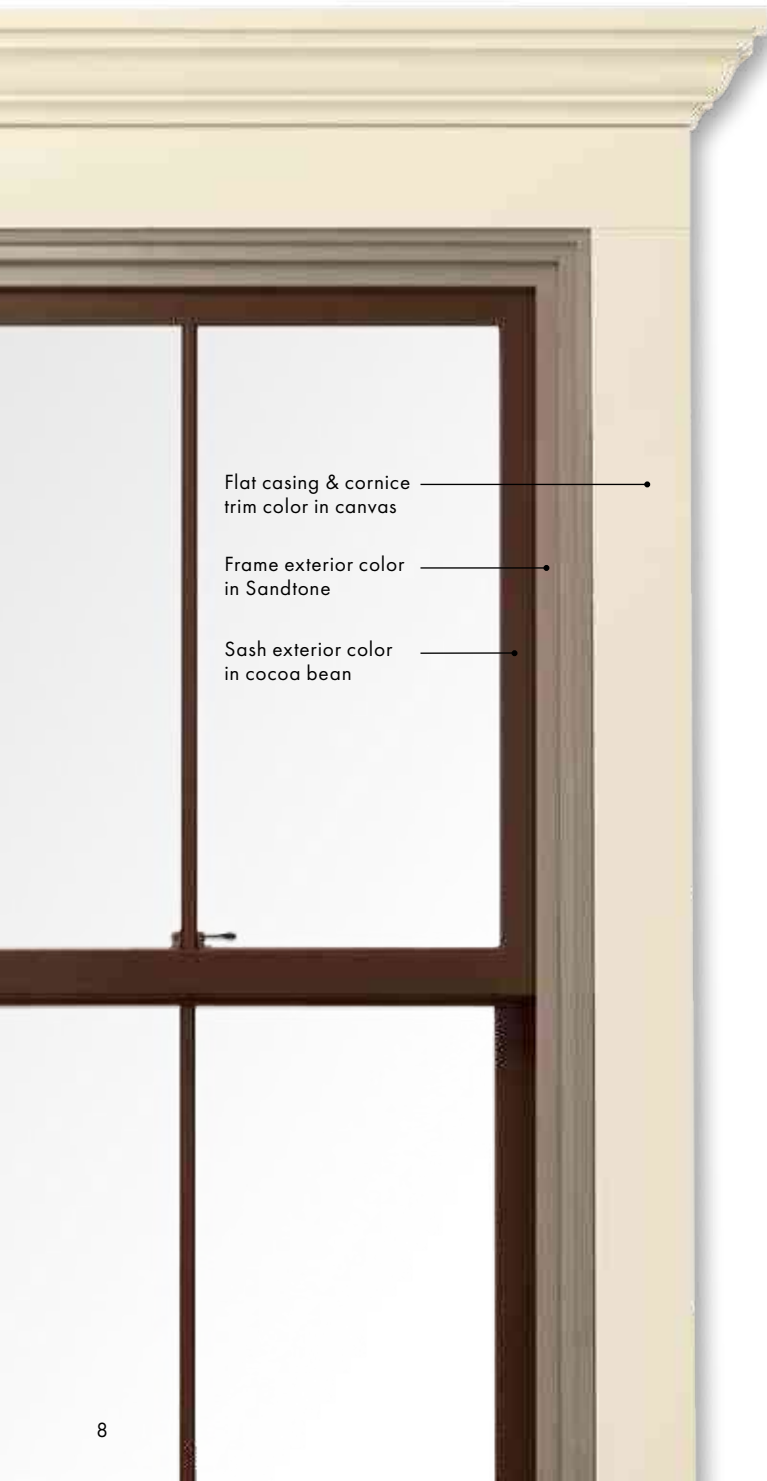


Dimensions in parentheses are in millimeters.

EXTERIORS

A-Series products are available in a wide range of exterior colors and exterior trim choices. Even in harsh conditions they're virtually maintenance free, hold their original vibrant colors, never need painting and won't flake, rot, blister, peel, pit or corrode.* Select any combination of colors shown here for your exterior frame, sash and trim.

EXTERIOR COLORS

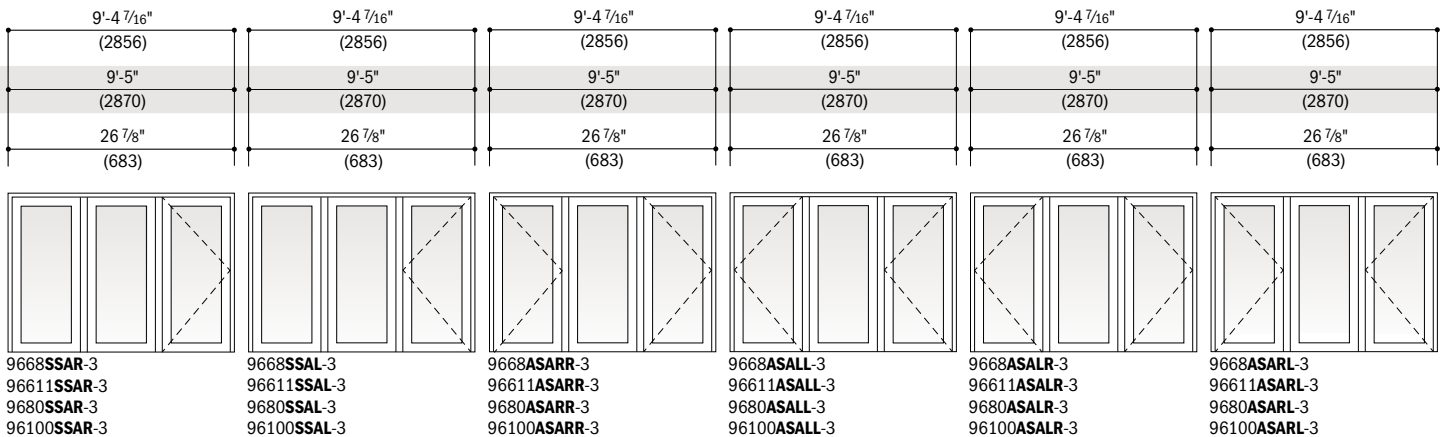
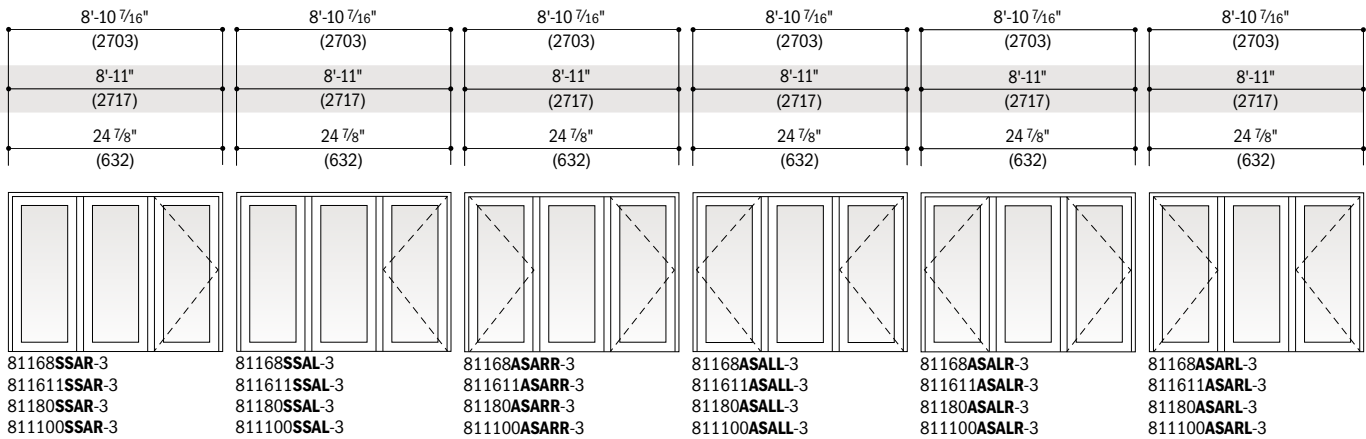
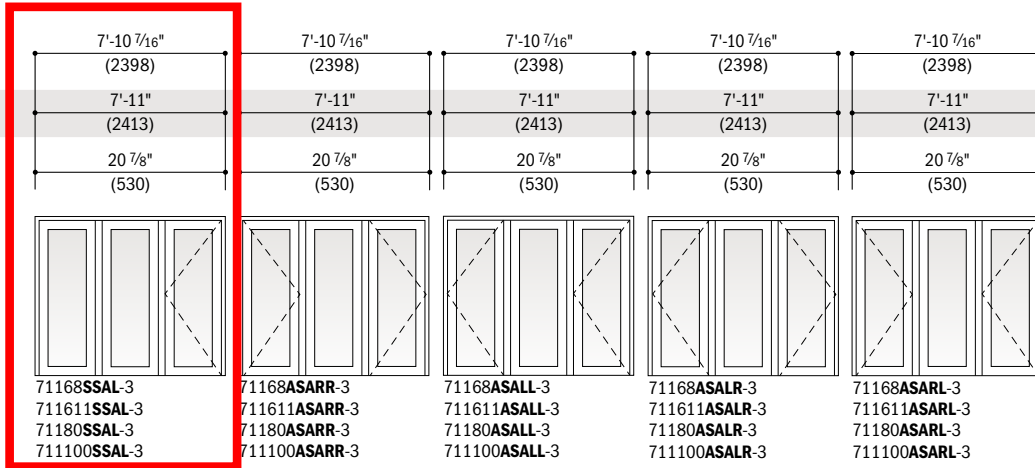


Proposed replacement windows will not come with a trim system. Windows will be set in brick and utilize existing granite as header and sill trim as shown in the image below.



Exact dimensions of door may vary. Unit dimensions to be verified in the field prior to all orders.
Replacement doors to match existing in detail and operation. Proposed door system to be two triple panel units mullered together with transom windows above to match existing.

Notes on the previous page also apply to this page.

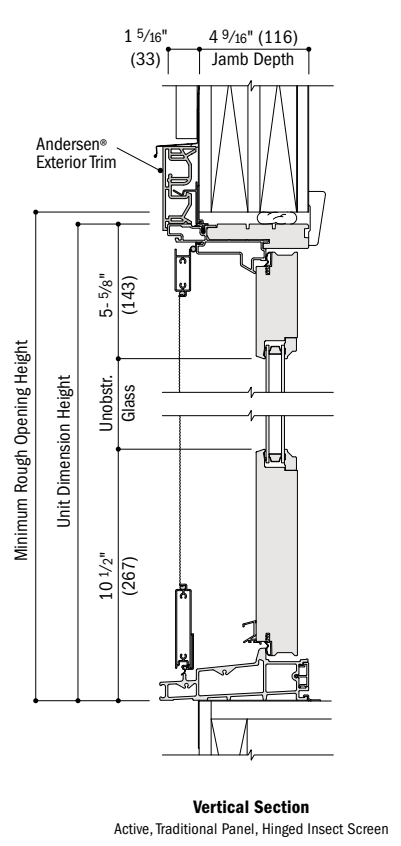
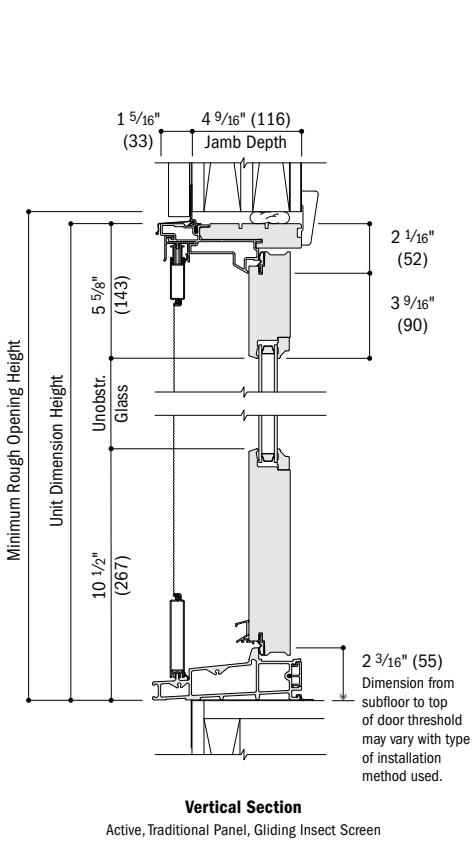
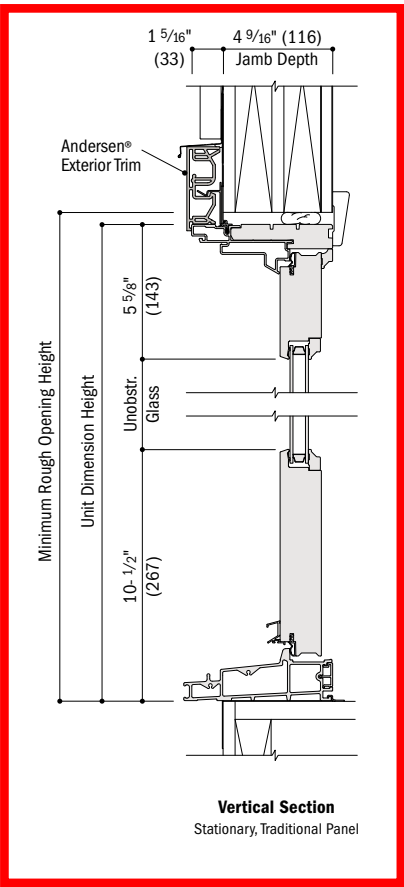
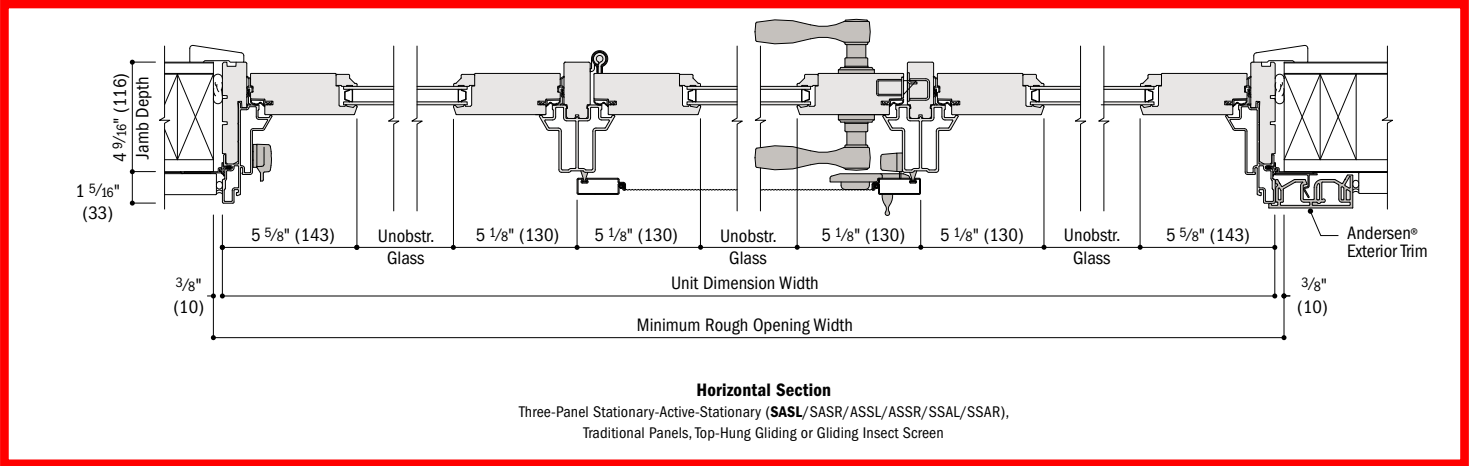


A-Series Hinged Inswing Patio Doors

* "Door Dimension" always refers to outside frame-to-frame dimension.
 * "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 226-227 for more details.
 * Dimensions in parentheses are in millimeters.

Hinged Inswing Patio Door Details – 4 9/16" (116) Base Jamb Depth with Traditional Panels *(continued)*

Scale 1 1/2" (38) = 1'-0" (305) – 1:8



A-Series Hinged Inswing Patio Doors

For optional drop-nose channel and remodeler sill bracket details, see page 140.

See pages 168-171 for joining details.

- 4 9/16" (116) base jamb depth measurement is from back side of installation flange.
- Light-colored areas are parts included with door. Dark-colored areas are additional Andersen® parts required to complete door assembly as shown.
- Dimensions in parentheses are in millimeters.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on pages 226-227.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.

PATIO DOOR SIDELIGHTS & TRANSOMS

Table of Patio Door Transom and Sidelight Transom Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Transom Dimension	1'-2 1/4"	1'-6 1/4"	2'-0 1/8"	2'-6 1/8"	2'-8 1/8"	3'-0 1/8"	3'-2 1/8"	3'-11 1/4"	4'-11 1/4"	5'-3 1/4"
	(362)	(464)	(612)	(765)	(816)	(918)	(968)	(1200)	(1505)	(1607)
Minimum Rough Opening	1'-3"	1'-7"	2'-1"	2'-7"	2'-9"	3'-1"	3'-3"	4'-0"	5'-0"	5'-4"
	(381)	(483)	(635)	(787)	(838)	(940)	(991)	(1219)	(1524)	(1626)

Unobstructed Glass (single sash only)

CUSTOM WIDTHS AVAILABLE — Vary based on transom style.

6 transom windows above new patio doors to replace and match existing in detail, color, texture and trim.

CUSTOM HEIGHTS — 11-1/4" to 27-1/4"

Transom Dimension	10 5/8"	14 5/8"	20 7/16"	26 7/16"	28 7/16"	32 7/16"	34 7/16"	43 5/8"	55 5/8"	59 5/8"
	(269)	(371)	(519)	(672)	(722)	(824)	(875)	(1107)	(1412)	(1514)
	FWSTDS1320	FWSTDS1720	FWSTDS2120	FWSTDS2720	FWSTDS2920	FWSTDS3120	FWTDS3320	FWTDS4020	FWTDS5020	FWTDS5420
	FWSTCDS1320	FWSTCDS1720	FWSTCDS2120	FWSTCDS2720	FWSTCDS2920	FWSTCDS3120	FWTCD3320	FWTCD4020	FWTCD5020	FWTCD5420

Transom Dimension	6 3/8"	10 3/8"	12 7/8"	18 7/8"	20 7/8"	24 7/8"	26 7/8"	36"	48"	52"
	(163)	(264)	(327)	(479)	(530)	(632)	(683)	(915)	(1220)	(1322)
	FWSLTD-1-1324	FWSLTD-1-1724	FWTD-1-2124	FWTD-1-2724	FWTD-1-2924	FWTD-1-3124	FWTD-1-3324	FWTD-1-4024	FWTD-1-5024	FWTD-1-5424
	FWSTCD-1-1324	FWSTCD-1-1724	FWTCD-1-2124	FWTCD-1-2724	FWTCD-1-2924	FWTCD-1-3124	FWTCD-1-3324	FWTCD-1-4024	FWTCD-1-5024	FWTCD-1-5424

Transom Dimension	12 7/8"	18 7/8"	20 7/8"
	(327)	(479)	(530)
	FWTD-2-4024	FWTD-2-5024	FWTD-2-5424
	FWTCD-2-4024	FWTCD-2-5024	FWTCD-2-5424

Transom Dimension	10 5/8"	14 5/8"	20 7/16"	26 7/16"	28 7/16"	32 7/16"	34 7/16"	43 5/8"	55 5/8"	59 5/8"
	(269)	(371)	(519)	(672)	(722)	(824)	(875)	(1107)	(1412)	(1514)
	FWSTDS1324	FWSTDS1724	FWSTDS2124	FWSTDS2724	FWSTDS2924	FWSTDS3124	FWSTDS3324	FWSTDS4024	FWSTDS5024	FWSTDS5424
	FWSTCDS1324	FWSTCDS1724	FWSTCDS2124	FWSTCDS2724	FWSTCDS2924	FWSTCDS3124	FWSTCDS3324	FWSTCDS4024	FWSTCDS5024	FWSTCDS5424



Custom-size patio door transoms are available in 1/8" (3) increments.

See pages 174-175 for custom sizes and specifications.

Transoms with either traditional or contemporary glass stops are available either direct-set or sash-set. Direct-set transoms provide maximum unobstructed glass. For venting transom windows, see page 160. For patio door sidelights, see page 161.

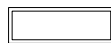
Grille patterns shown on page 164. Details shown on pages 164-167.



Direct-Set Patio Door Sidelight Transom
Traditional (FWSTDS)/Contemporary (FWSTCDS)



Sash-Set Patio Door Sidelight Transom
Traditional (FWSLTD)/Contemporary (FWSTCD)



Direct-Set Patio Door Transom
Traditional (FWTDS)/Contemporary (FWTCD)



Sash-Set Patio Door Transoms
Traditional (FWTD-1, FWTD-2, FWTD-3)/Contemporary (FWTCD-1, FWTCD-2, FWTCD-3)

* "Transom Dimension" always refers to outside frame-to-frame dimension.

** "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See pages 226-227 for more details.

• Dimensions in parentheses are in millimeters.

3. 169 Lafayette Road, Unit 2 - Recommended Approval

Background: The applicant is seeking approval for the installation of metal fencing with gate(s) for Unit 2's yard.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-680

Historic District Commission Work
Session or Administrative Approval
Application
Status: Active
Submitted On: 9/6/2023

Primary Location

169 LAFAYETTE RD
Portsmouth, NH 03801
Owner
SWEENEY CAITLIN C & SCHOEN ANDREW
MERRICK
169 LAFAYETTE RD #2 PORTSMOUTH, NH
03801

Applicant

 Caitlin Sweeney
 603-502-6615
 caitlin.sweeney33@gmail.com
 169 Lafayette Rd. #2
Portsmouth, NH 03801

Application Type

Please select application type from the drop down menu below


Alternative Project Address 

Administrative Approval

Project Information

Brief Description of Proposed Work*

Install fence on Unit 2 sideyard

 Description of Proposed Work (Planning Staff)

Project Representatives

Relationship to Project	If you selected "Other", please state relationship to project.
Owner	
Full Name (First and Last)	Business Name (if applicable)
Andrew Schoen	
Mailing Address (Street)	City/Town
169 Lafayette Rd #2	Portsmouth
State	Zip Code
NH	03801

169 Lafayette Road #2
Portsmouth, NH 03801

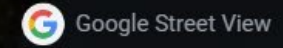
Fence Proposal for HDC consideration

Owners: Caitlin Sweeney and Andrew Schoen



157 Lafayette Rd

Portsmouth, New Hampshire



Oct 2018

[See more dates](#)

Note: Fence on property
157 Lafayette Rd has since
been removed (not
replaced)



Google



169 Lafayette Rd. Unit 2
(Side Yard) as viewed
from Lafayette Road

Proposed Fence
boundary between 157
and 169 Lafayette Rd.



GATE


GATE

Lafayette Rd. View

159 Lafayette Rd



Portsmouth, New Hampshire

 Google Street View

Oct 2018

[See more dates](#)



GATE

GATE

Lafayette Rd. View



GATE

16 ft GATE

16 Foot Gate (2 x 8 ft sections) to be installed at asphalt / grass line (in front of cars) to enable snow removal

South St. View

Existing Fences on 169 Lafayette Property



South St. View

Regis style #4230 (4 foot) with standard flat top gate (right) or upgrade arched accent gate (below)

- Black would suit Victorian façade and would match the shutters, maintaining classic and elegant look
- Request for administrative approval given 2 other fences on property
- Semi-private fence to contain dogs, but still have visibility to property from street



Properties in Historic District with black metal fences



Walk Portsmouth: Daniel Fernald House



179 Pleasant Street Portsmouth, NH

[Visit](#)



126 State Street, Portsmouth, NH 03801 - MLS#

[Visit](#)



135 Bow Street Portsmouth NH Real Estate | MLS#

[Visit](#)

4. 104 Congress Street

- Recommended Approval

Background: The applicant is seeking approval for the installation of mechanical venting equipment.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____



LUHD-684

Historic District Commission Work
Session or Administrative Approval
Application

Status: Active

Submitted On: 9/18/2023

Primary Location


104 CONGRESS ST
Portsmouth, NH 03801


Owner

KEARSARGE HOUSE & C/O RENAISSANCE
PROPERTIES
177 HUNTINGTON AVE 17TH FL BOSTON, MA
02115

Applicant

 Meghan Boland

 603-969-2307

 mboland@chinburg.com

 3 Penstock Way
Newmarket , NH 03857

Application Type

Please select application type from the drop down
menu below

Alternative Project Address 

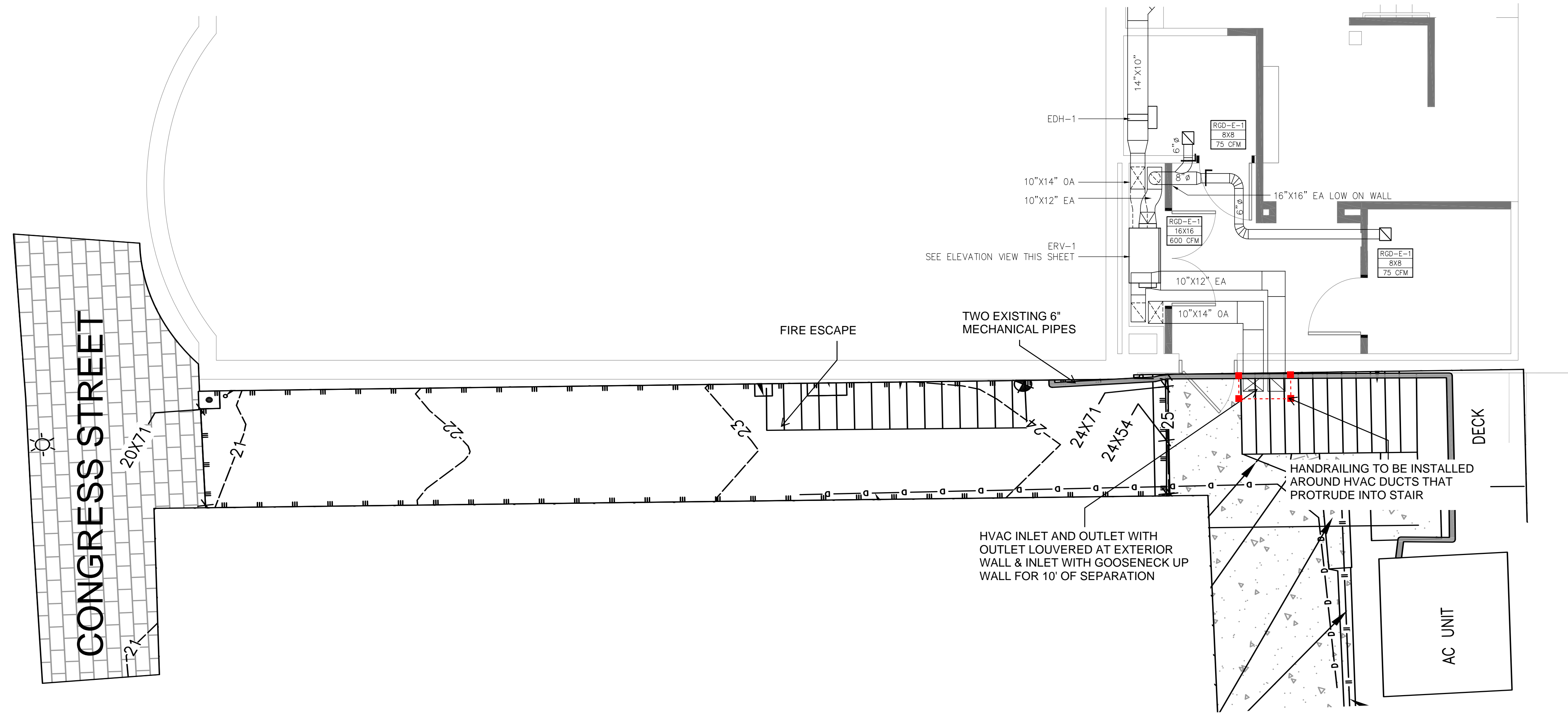
Administrative Approval

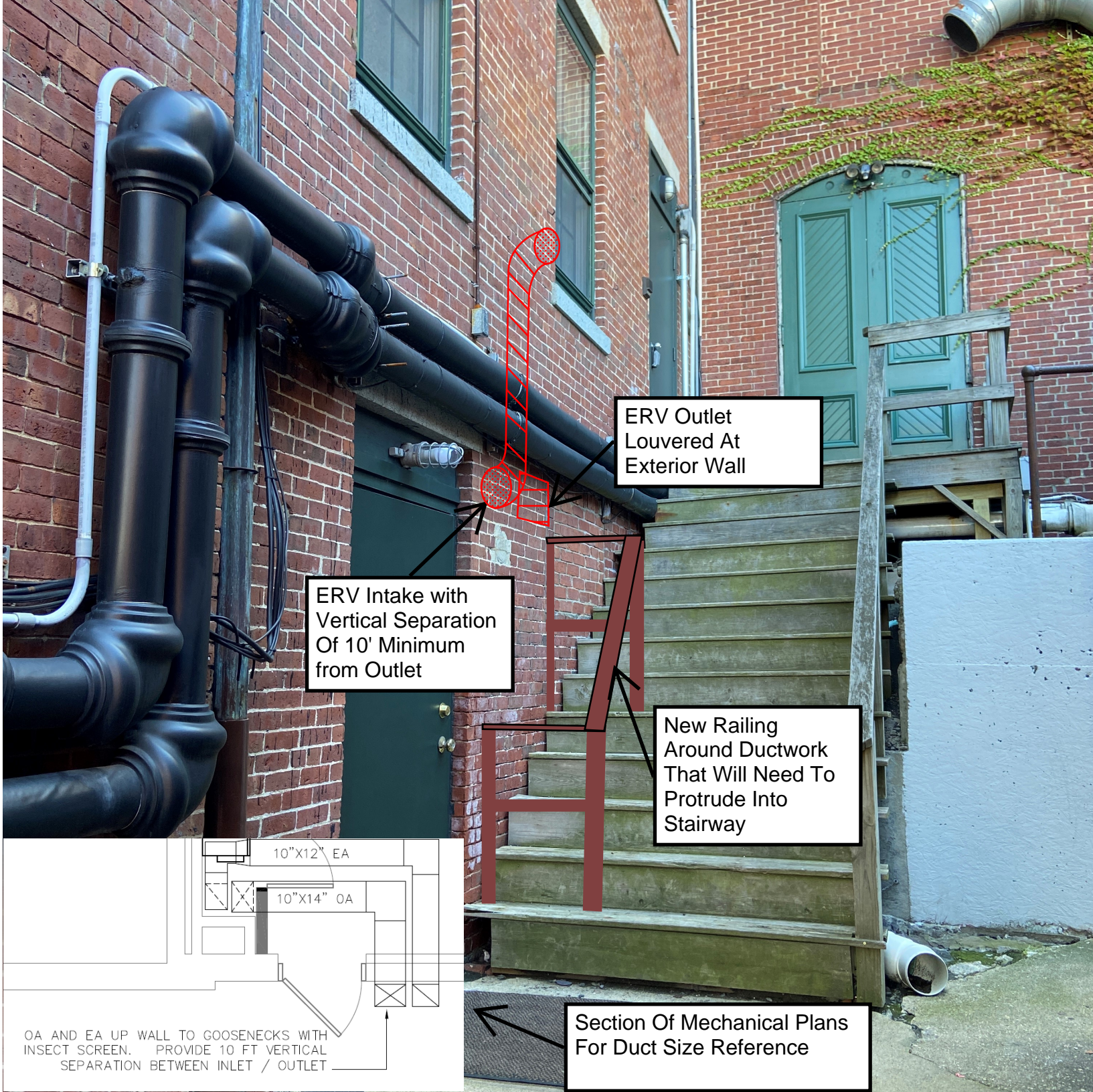
Project Information

Brief Description of Proposed Work*

Addition of exterior duct work required for city mandanted ERV system and addition of handrail on existing exterior stair.

 Description of Proposed Work (Planning Staff)

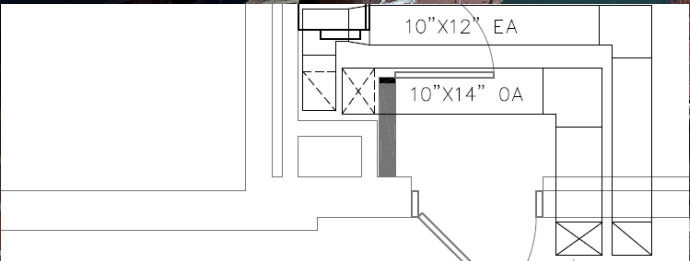




ERV Outlet
Louvered At
Exterior Wall

ERV Intake with
Vertical Separation
Of 10' Minimum
from Outlet

New Railing
Around Ductwork
That Will Need To
Protrude Into
Stairway



OA AND EA UP WALL TO GOOSENECKS WITH
INSECT SCREEN. PROVIDE 10 FT VERTICAL
SEPARATION BETWEEN INLET / OUTLET

Section Of Mechanical Plans
For Duct Size Reference

5. 466 Marcy Street

- Recommended Approval

Background: The applicant is seeking approval for the replacement of the existing wooden front stairs with new granite steps.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-683

Historic District Commission Work
Session or Administrative Approval
Application
Status: Active
Submitted On: 9/18/2023

Primary Location
466 MARCY ST
Portsmouth, NH 03801
Owner
MONTGOMERY RALPH J REVOC TR OF 2020
& MONTGOMERY RALPH J TRUSTEE
MARCY ST 466 PORTSMOUTH, NH 03801

Applicant

 Ralph (John) Montgomery
 603-361-4431
 rjohnmont@gmail.com
 466 Marcy St.
Portsmouth, NH 03801

Application Type

Please select application type from the drop down menu below

Alternative Project Address 

Administrative Approval

Project Information

Brief Description of Proposed Work*

Replace existing wood entrance staircase with granite staircase.

Description of Proposed Work (Planning Staff)

Acknowledgement

I certify that the information given is true and correct to the best of my knowledge.*



By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction*



I hereby certify that as the applicant for permit, I am*

Owner of this property

If you selected "Other" above, please explain your relationship to this project. Owner authorization is required.

INTERNAL USE ONLY -- Historic District Commission Review and Approval

HDC Certificate of Approval Granted



HDC Approval Date

—

Entrance Staircase Replacement Application

466 Marcy Street

Portsmouth, NH

Applicant / Owner: R. John Montgomery

rjohnmont@gmail.com – 603-361-4431



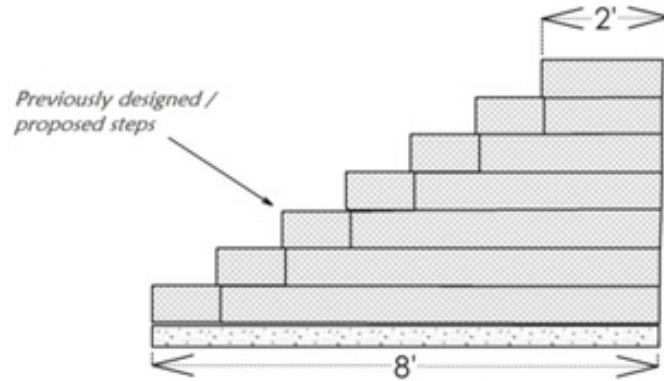
Existing Entry Staircase:

This application is for replacement of an existing entry staircase at 466 Marcy Street, Portsmouth, NH

- 4 wood steps set on 2 concrete steps
- Steps extend 5' 8" from foundation
- Width is 4' 2.5"
- Tread depth 10 1/4"
- Tread rise 6 3/4"

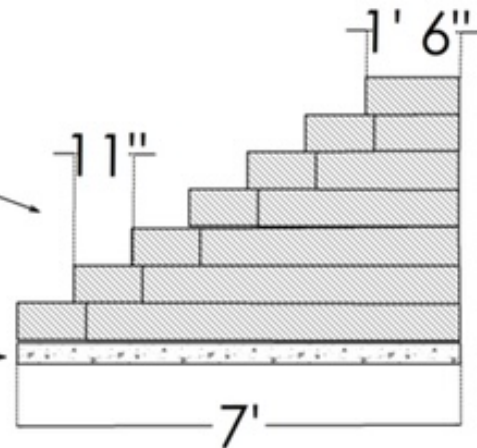


*New Proposed granite steps for:
John Montgomery
466 Marcy Street
Portsmouth, NH*



Traditional classic granite in woodbury finish, thermal non slip surface, split face- set on fillers

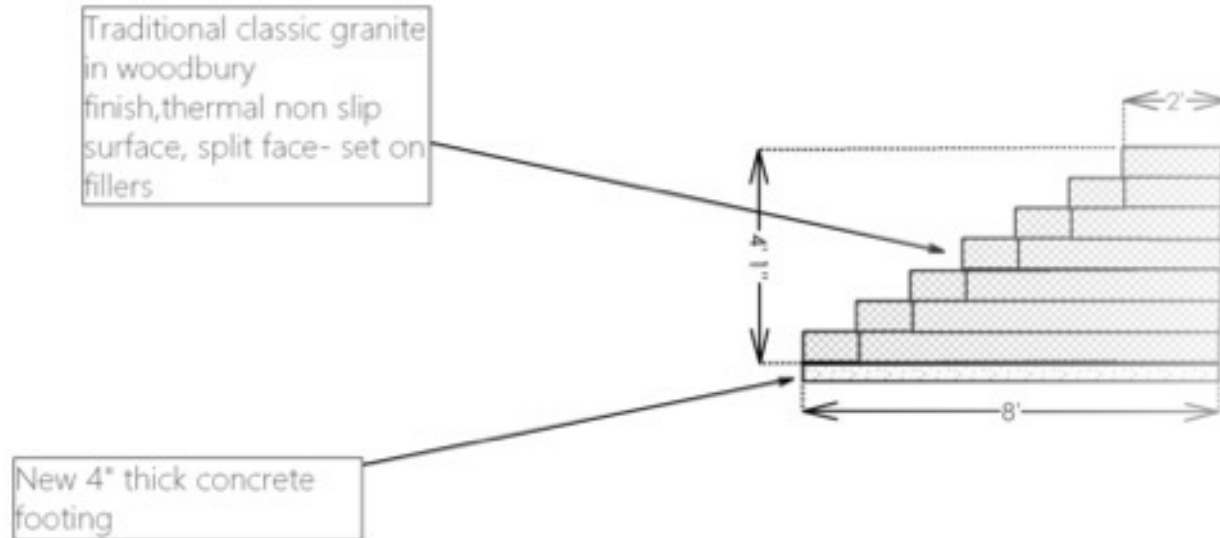
New 4" thick concrete footing



Two replacement staircase design options are offered for consideration:

- **Option 1** contains a 2-foot landing step, which extends 8-feet from the building foundation
- **Option 2** contains a 1.5-foot landing step and a steeper tread rise, which extends 7-feet from the building foundation

*New Proposed granite steps for:
John Montgomery
466 Marcy Street
Portsmouth, NH*



Stair Design Details

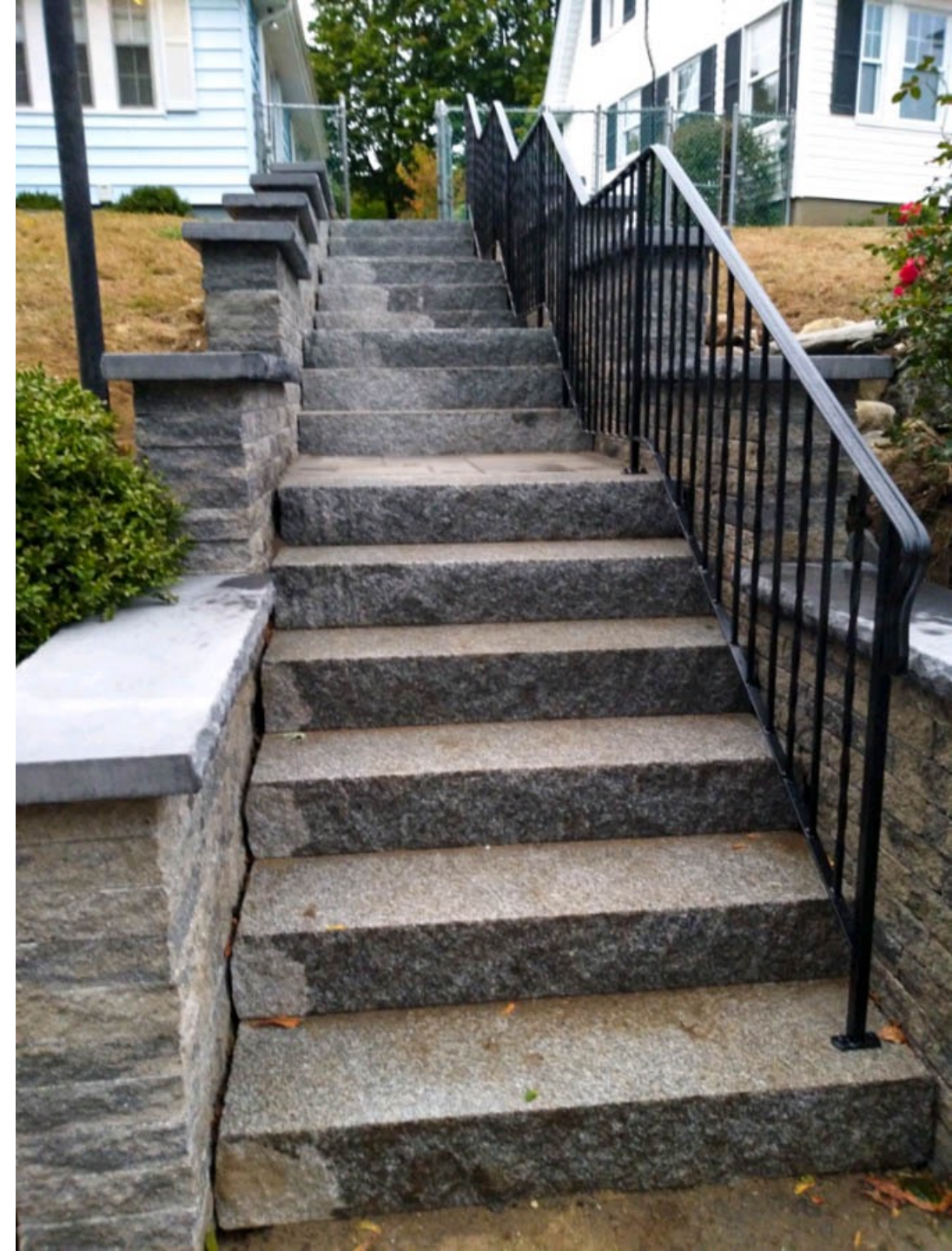
- Option 1 details are shown to the left
- Option 2 is similar except the landing step is reduced to 1.5-feet and the tread rise is slightly steeper to reduce the footprint from the foundation by 1-foot (total of 7-feet)



Conceptual View
– House with
granite steps



Conceptual View
– granite steps
with wrought
iron railing



Picture of granite
step material
with wrought
iron railing

466 Marcy Street



Additional Pictures of Existing Environment and Proposed Stair Design Dimensions

Top Row: Pictures of existing building / staircase



Middle Row, Left to Right: First two pictures show dimensions of existing staircase (5' 8" from foundation wall and 4' 2.5" width); third picture shows extension of proposed staircase (8' from foundation wall)



Bottom Row, Left to Right: First picture shows extension of proposed staircase beyond existing staircase footprint (2' 4"); second and third pictures show extension of structures from foundation wall (7' 11") at property next door (478 Marcy Street)

6. 260 Marcy Street

- Recommended Approval

Background: The applicant is seeking approval for the replacement of the existing crumbling retaining wall abutting Marcy Street and remove rear concrete patio and install new granite patio.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-653

Historic District Commission Work
Session or Administrative Approval
Application

Status: Active
Submitted On: 7/24/2023





Primary Location

260 MARCY ST
Portsmouth, NH 03801

Owner

DOROW LAUREEN & JEFFREY
PO BOX 536 WATERVILLE VALLEY, NH 03215

Applicant

 Michael Vieira
 603-815-2326
 naturesegenh@yahoo.com
 P.O. Box 816
Portsmouth , NH 03802

Application Type

Please select application type from the drop down menu below

Alternative Project Address 

Administrative Approval

Project Information

Brief Description of Proposed Work*


Replacing existing concrete paver patio with granite patio and granite posts and sitting walls.
The deteriorating concrete curbing which runs along Marcy st and meeting house hill rd will also be replaced with granite blocks, with steps entering the back yard where the patio is being replaced.

Description of Proposed Work (Planning Staff)

Acknowledgement

I certify that the information given is true and correct to the best of my knowledge.*

By checking this box, I agree that this is equivalent to a handwritten signature and is binding for all purposes related to this transaction*

I hereby certify that as the applicant for permit, I am* 

Other

If you selected "Other" above, please explain your relationship to this project. Owner authorization is required.

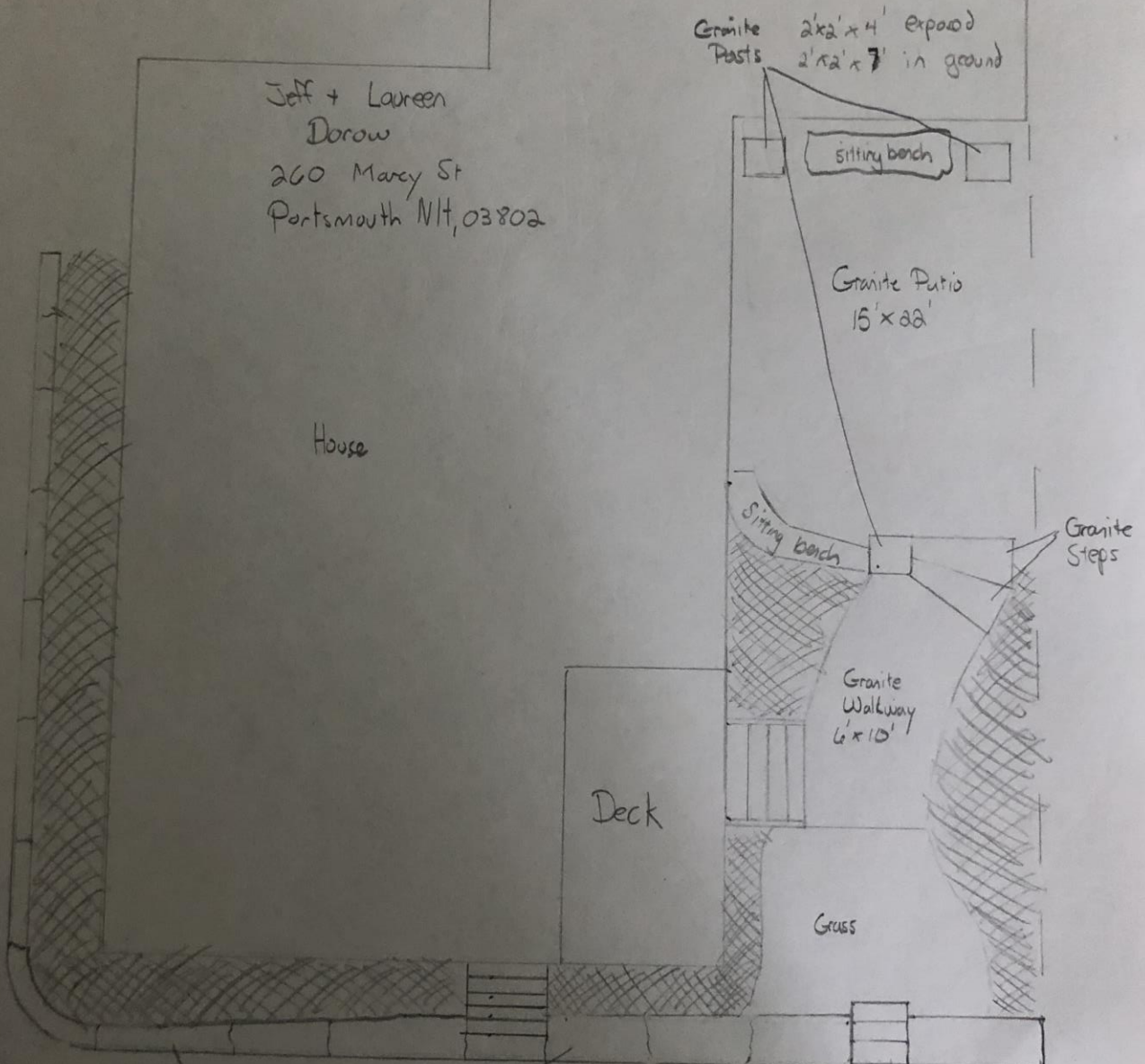
Contractor, Michael Vieira will be responsible for the installation of project





Natures Edge Landscaping
PO Box 876
Portsmouth NH

Jeff + Lauren
Dorow
260 Marcy St
Portsmouth NH, 03802



Granite Posts
2' x 2' x 4' exposed
2' x 2' x 7' in ground

sitting bench

Granite Patio
15' x 22'

House

Sitting bench

Granite Steps

Granite Walkway
6' x 10'

Deck

Grass

Key

curbing/Retaining Wall

Granite Steps
3 @ 1' x 3'

1" = 6'

planting beds

7. 503 State Street, Unit 2

- Recommended Approval

Background: The applicant is seeking approval for a material change to a previously approved door.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

LUHD-685

Historic District Commission Work
Session or Administrative Approval
Application

Status: Active
Submitted On: 9/29/2023

Primary Location

503 STATE ST
Portsmouth, NH 03801

Owner

Rhianna Llewellyn
503 State Street PORTSMOUTH, NH 03801

Applicant

 Rhianna Llewellyn
 603-738-6378
 rhiannallew@gmail.com
 503 State Street #3
Portsmouth, NH 03801

Application Type

Please select application type from the drop down menu below

Alternative Project Address 

Administrative Approval

Project Information

Brief Description of Proposed Work*

Installation of Sliding Patio Door at Rear of 503 State Street Unit 3

Description of Proposed Work (Planning Staff)

Project Representatives

Relationship to Project Other	If you selected "Other", please state relationship to project. Coastal Exteriors Representative
Full Name (First and Last) Ron Rebello	Business Name (if applicable)
Mailing Address (Street) 1525 Old Louisquisset Pike B101	City/Town Lincoln
State RI	Zip Code 02865

Photo of the existing space where the proposed doorway will be:



Photo mock up of the proposed doorway:



Proposed new door: Sunrise Windows V5500

Exterior color: white

Interior color: colonial cherry

Dimensions: 60in W x 80in H

Specifications and info booklet [HERE](#)



Interior

Exterior

Please note: hardware selections will match accents in the historic areas of the building. This is the back carriage house and is not visible from any road, however, maintaining the charm and consistency of the exterior of the building will remain priority one.

8. 42 Hunking Street - Recommended Approval

Background: The applicant is seeking approval for replacement windows on the second floor of the structure.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____







Pella® Reserve™ Traditional Wood & Clad/Wood

Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior



Double-Hung Exterior



- **Historical details**

Our most historically authentic line of wood windows and patio doors. Featuring through-stile construction, deliberate proportions and intricate profiles. Pella Reserve - Traditional products are the ideal choice for historical renovations and traditional building projects.

- **Authentic hardware**

Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic traditional style.

- **Architectural interest**

Featuring the industry's only foam spacer solution, Pella's Integral Light Technology® grille helps capture the look of true-divided-light without sacrificing energy performance. Further your aesthetic with the putty profile, recreated with historically accurate angles – providing meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.

- **Virtually unlimited customization**

If you can dream it, we can build it with our most customizable product line. From extra tall to extra wide, Pella can craft unique windows that complement your aesthetic. Custom sizes, grille patterns and designs, finishes, wood types and glass options are available.

- **Tailor-made solutions**

From preliminary drawings to installation, Pella's expert team of architects, engineers, drafters and consultants can work to deliver custom window and door solutions for your project. Partner with Pella to achieve your unique vision without concessions.

- **Intentional innovation**

Winner of the 2019 Most Innovative Window from Window and Door Magazine, the Integrated Rolscreen® retractable screen preserves aesthetics and the view. It is a double- and single-hung screen that appears when you open the window, and rolls away, out of sight, when you close it.

- **Durable interiors and extruded aluminum exteriors**

To help save you time on the jobsite, interior finish options are available in a variety of paints and stains, or primed and ready-to-paint. To complement your exterior aesthetic, choose from our carefully curated color palette or define your own custom color for your project.

- **ENERGY STAR® certified¹**

Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.

- **Testing beyond requirements**

At Pella, our products are tested beyond requirements to help ensure they have long-lasting performance and reduce call-backs for you.

- **Best limited lifetime warranty²**

Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.²

Available in these window and patio door styles:



Special shape windows also available.

¹ See back cover for disclosures.

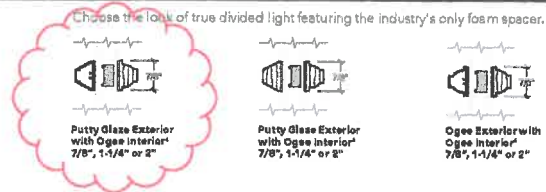
Product Specifications

Window & Patio Door Styles	Min. Width	Min. Height	Max. Width	Max. Height	Performance Class & Grade	Performance Values			Frame / Install
						U-Factor	SHGC	STC	
Awning	13'-6"	13'-6"	59"	59"	LC40-CW50	0.25-0.29	0.18-0.47	27-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Awning	17"	17"	53"	29"	R45-CW50	0.28-0.32	0.18-0.47	27-30	Pocket Replacement
Casement	13'-6"	13'-6"	47"	108"	R35-CW50	0.25-0.29	0.18-0.47	27-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Casement	17"	17"	35"	73"	R35-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
Fixed Casement	10"	10"	144"	144"	R35-CW50	0.25-0.29	0.18-0.47	27-3E	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Fixed Casement	17"	17"	59"	73"	R45-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
Double-Hung	14"	24'-6"	48"	96"	CW30-CW50	0.25-0.30	0.19-0.53	28-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Precision Fit Double-Hung	13'-6"	23'-6"	48"	84"	CW40-CW50	0.25-0.31	0.19-0.53	24-30	Pocket Replacement
MonteCarlo Hung	13'-6"	24"	72"	144"	LC25-CW50	0.25-0.30	0.17-0.47	29-34	
In-Swing Hinged Patio Door (Single)	18"	36"	48"	199'-6"	LC40-LC55	0.25-0.29	0.14-0.40	31-35	
In-Swing Hinged Patio Door (Double)	36"	36"	96"	119'-6"	LC40-LC55	0.25-0.29	0.14-0.40	31-35	
Out-Swing Hinged Patio Door (Single)	18"	36"	48"	119'-6"	R50-LC70	0.25-0.30	0.14-0.39	30-36	
Out-Swing Hinged Patio Door (Double)	36"	36"	96"	119'-6"	R50-LC70	0.25-0.30	0.14-0.39	30-36	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
Sliding Patio Door (C)	30'-6"	74"	60'-6"	119'-6"	LC40-LC70	0.29-0.32	0.15-0.42	-	
Sliding Patio Door (CX, XO)	59'-6"	74"	119'-6"	119'-6"	LC35-LC65	0.29-0.32	0.15-0.42	29-35	
Sliding Patio Door (CXC)	90"	74"	180"	119'-6"	LC30-LC45	0.29-0.32	0.15-0.42	-	
Sliding Patio Door (CXKO)	116'-6"	74"	236'-6"	119'-6"	LC25-LC40	0.29-0.32	0.15-0.42	-	
Multi-Slide Patio Door	40'-6"	50'-6"	70'-6"	119'-6"	R15-LC25*	0.30-0.36	0.15-0.46	31	
Bifold Patio Door	31'-6"	55'-6"	312"	119'-6"	R15-LC25*	0.26-0.44	0.13-0.45	-	For more info visit PellaADM.com

Window sizes available in 1/8" increments. Speed of slide available. For more information regarding performance, visit pella.com/performance. For more information regarding frame and installation types, visit PellaADM.com.

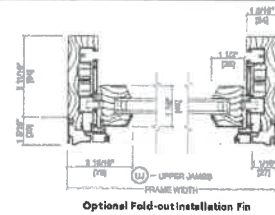
Grilles

Integral Light Technology*



Cross Sections

Cross Sections



The double-hung cross sections provide visual reference to the historic putty exterior profile and traditional, beveled Ogee interior that add architectural interest to your project.

* See back cover for disclosures.

Window Hardware

Classic Collection

Get a timeless look with authentic styles in classic finishes.



Rustic Collection

Create a distinct and charming look with distressed finishes.



Essential Collection

Select from popular designs and finishes to suit every style.



Patio Door Hardware

Classic Collection

Choose timeless pieces, created in collaboration with Baldwin® Hardware, for a look that will never go out of style.

BALDWIN



Essential Collection

Elevate your style and transform a home with elegant selections.



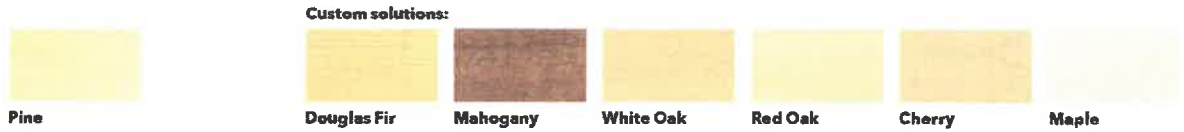
Additional hardware collections available. Visit PellaADM.com for more information.

** See back cover for disclosures.

Colors

Wood Types

Choose the wood species that best complements your project's interior.



Prefinished Pine Interior Colors

Custom interior finishes, unfinished or primed and ready-to-paint are also available.

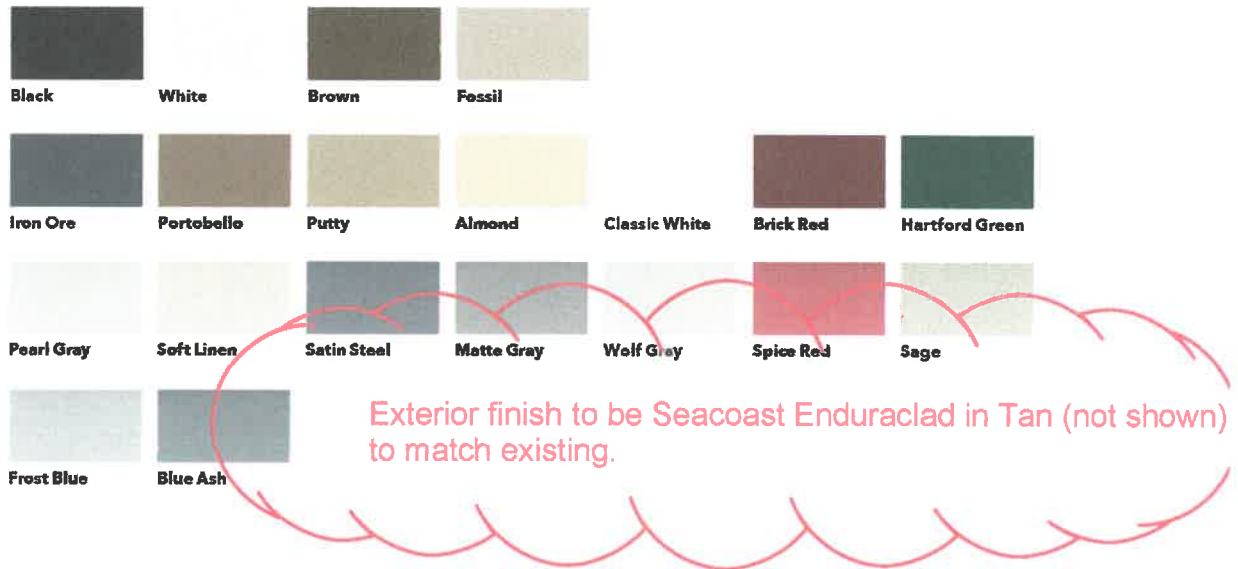


Extruded Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad® exterior finish resists fading. Take durability one step further with EnduraClad Plus which also resists chalking and corrosion.⁷



Custom colors are also available.



Added Peace of Mind

Integrated Security Sensors

Integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling. Sensors can be monitored via the free Pella® Insynctive® App and are compatible with major security panel systems.⁸ For more information, go to connectpella.com.



The Best Limited Lifetime Warranty in the Industry

We know your reputation matters and you stake your reputation on quality, dependable products. That's why we have the best limited lifetime warranty in the industry for wood windows and patio doors.²

¹ Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.
² Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranty for details, including exceptions and limitations, at pella.com/warranty or contact Pella Customer Service.
³ Ratings are contingent on product configurations.
⁴ Color-matched to your product's interior and exterior color.
⁵ Flush multi-slide handle is a Pella exclusive design.
⁶ Flush multi-slide handle is not available in Champagne.
⁷ EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.
⁸ Requires the Insynctive App on a smart device, an Insynctive Bridge and a wireless home router with internet connection.

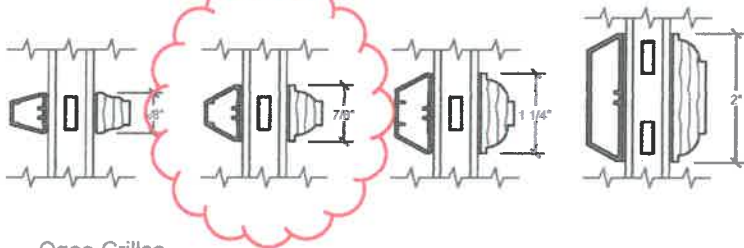


Pella® Reserve™ Traditional Hung Window

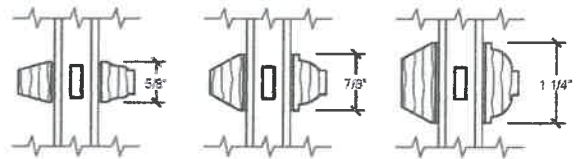
Grille Profiles

Traditional Style Collection - Integral Light Technology®

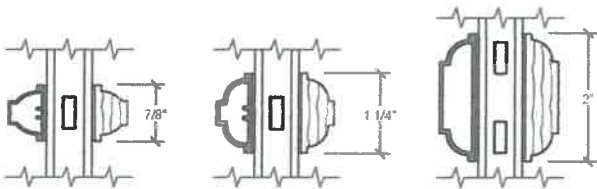
Putty Glaze and Ogee Grilles
Clad Exterior - Wood Interior



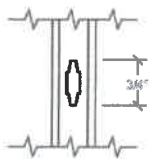
Putty Glaze and Ogee Grilles
Wood Exterior - Wood Interior



Ogee Grilles
Clad Exterior - Wood Interior



Grilles-Between-the-Glass



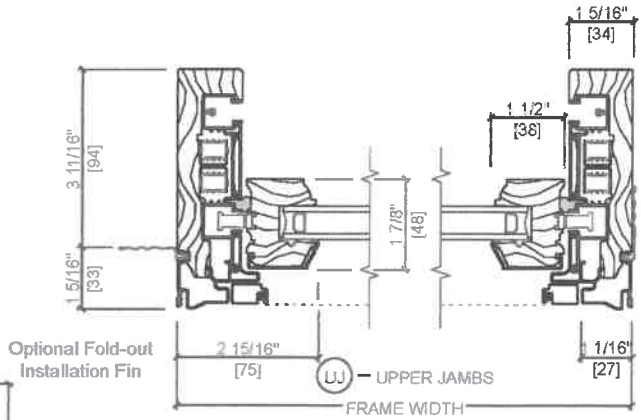
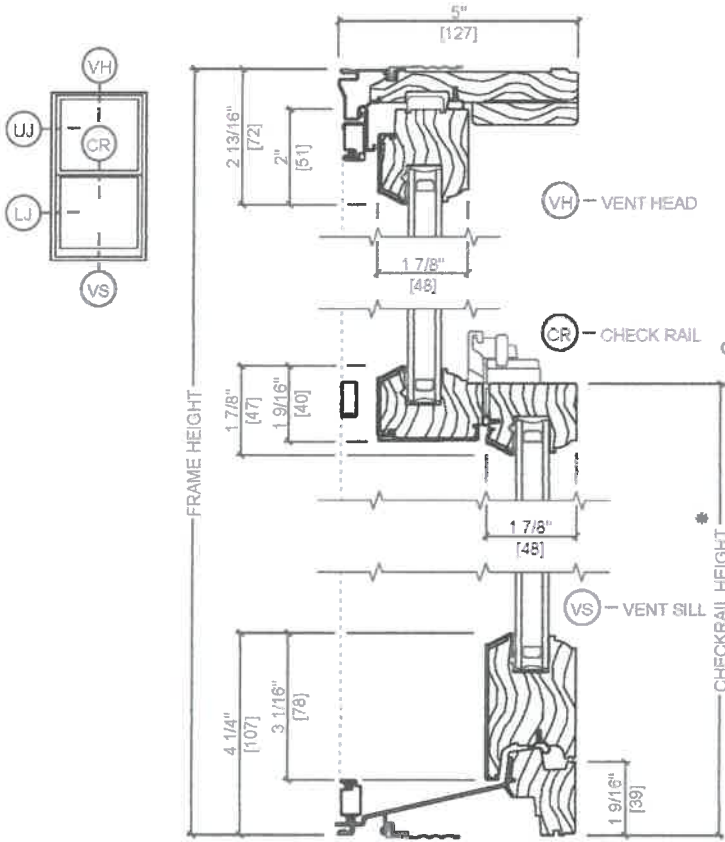
3/4"
Contoured

Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.
Exterior wood ILT grilles available in Pine or Mahogany to match complete unit.

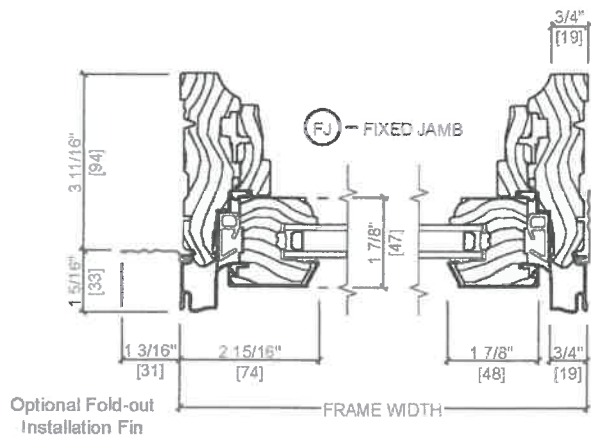
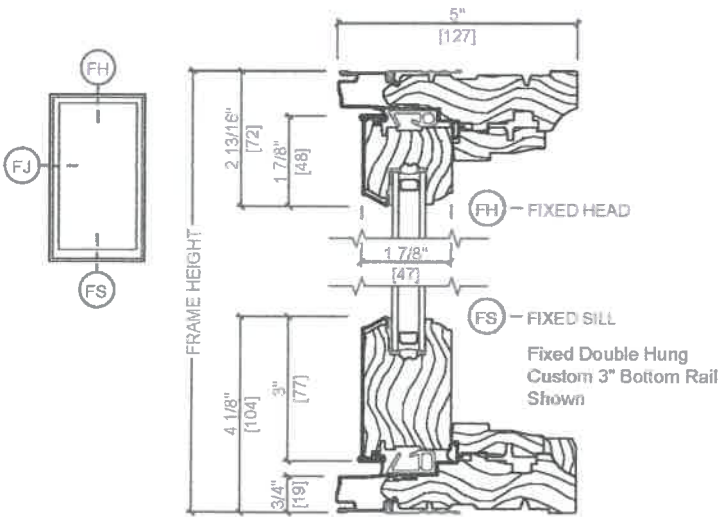
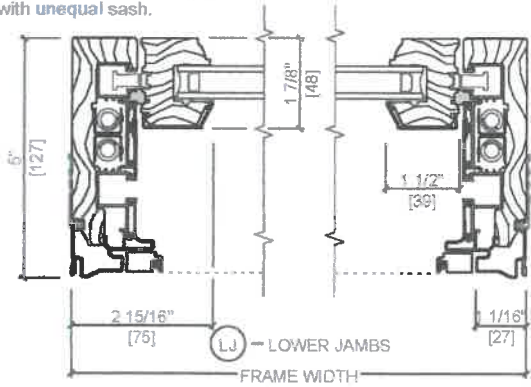


Pella® Reserve™ Traditional Hung Window

Unit Sections - Aluminum-Clad Putty Glaze Exterior Profile



* Dimension required for ordering units with unequal sash.

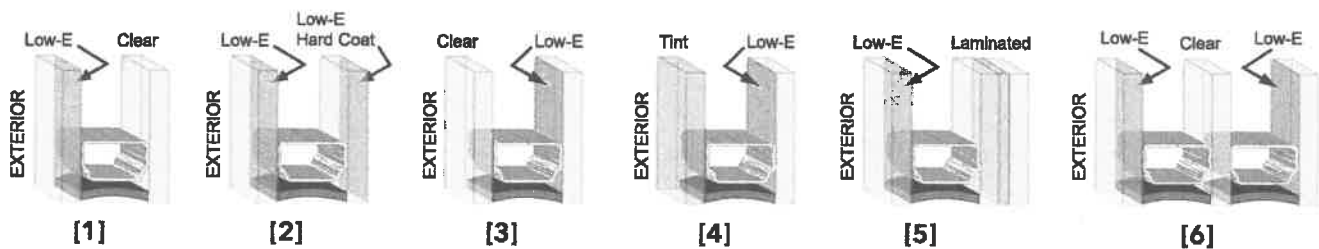


Scale 3" = 1' 0"
All dimensions are approximate.

Center of Glass Performance

Glazing Diagram	Type of Glazing	Glass Thickness	U-Factor	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)	Relative Heat Gain	Visible Light Transmission		% Solar Transmission	Total Solar Reflectance		Inside Glass Surface Temp (°F)	% Relative Humidity @ 70° F when condensation appears on room side	% UV Transmission	LBl Damage Function	Low-E Coating on Surfaces #	
							% Out	% In		% Out	% In						
Dual-Pane Insulating Glass, Argon filled 11/16" overall thickness																	
	Clear (air filled)	3mm ₁	0.48	0.78	0.89	186	82	15	15	73	13	13	44	39	58	0.61	
1	SunDefense™ Low-E	3mm ₁	0.24	0.27	0.31	66	65	11	12	25	44	47	56	61	5	0.21	2
1	Advanced Low-E	3mm ₁	0.25	0.37	0.42	88	70	12	13	34	39	41	56	61	14	0.31	2
2	AdvancedComfort Low-E	3mm ₁	0.20	0.36	0.42	86	69	12	12	33	39	31	47	44	14	0.31	2, 4
3	NaturalSun Low-E	3mm ₁	0.26	0.68	0.79	161	79	15	15	60	21	21	55	59	29	0.42	3 or 2*
4	Bronze Advanced Low-E	5mm/3mm	0.25	0.32	0.37	78	45	7	11	22	18	38	56	61	7	0.19	3
4	Gray Advanced Low-E	5mm/3mm	0.25	0.30	0.34	73	39	6	10	19	16	38	56	61	7	0.18	3
4	Green Advanced Low-E	5mm/3mm	0.25	0.37	0.42	88	61	10	11	26	13	38	56	61	5	0.19	3
5	Advanced Laminated Low-E	3mm/6mm	0.28	0.37	0.42	88	69	13	13	32	39	32	53	55	0	0.2	2 or 3**
5	SunDefense™ Laminated Low-E	3mm/6mm	0.27	0.28	0.32	67	63	11	13	24	45	37	53	55	0	0.16	2 or 3**
Dual-Pane Insulating Glass, Argon filled 1" overall thickness																	
	Clear (air filled)	6mm	0.47	0.72	0.83	172	80	15	15	63	12	12	46	41	54	0.58	
1	SunDefense Low-E	6mm	0.25	0.27	0.31	65	63	10	11	24	36	38	56	61	4	0.2	2
1	Advanced Low-E	6mm	0.25	0.35	0.41	84	68	12	12	31	32	34	56	61	13	0.3	2
2	AdvancedComfort Low-E	6mm	0.20	0.35	0.40	82	66	12	12	30	32	26	47	44	12	0.29	2,4
3	NaturalSun Low-E	6mm	0.26	0.64	0.74	150	77	14	15	52	18	18	55	59	24	0.38	3 or 2*
4	Bronze Advanced Low-E	6mm	0.25	0.30	0.34	71	40	7	10	19	16	31	56	61	6	0.16	3
4	Gray Advanced Low-E	6mm	0.25	0.27	0.31	64	34	6	10	17	14	31	56	61	6	0.16	3
4	Green Advanced Low-E	6mm	0.25	0.35	0.40	83	59	10	11	24	11	32	56	61	4	0.17	3
5	Advanced Laminated Low-E	5mm/10mm	0.25	0.36	0.41	85	67	12	12	N/A	N/A	N/A	56	61	0	0.17	2 or 3**
5	SunDefense™ Laminated Low-E	5mm/10mm	0.24	0.27	0.31	66	62	11	12	N/A	N/A	N/A	56	61	0	0.14	2 or 3**
Triple-Pane Insulating Glass, 1" overall thickness – Pella® 250 Series																	
6	Advanced Low-E	3mm	0.16	0.31	0.36	74	55	15	15	22	41	41	60	71	4	0.19	2, 5
6	NaturalSun Low-E	3mm	0.17	0.56	0.64	131	70	20	20	47	25	25	60	71	13	0.29	2
6	Advanced Low-E	4mm	0.19	0.31	0.35	73	53	15	15	21	38	38	59	68	4	0.19	2, 5
6	NaturalSun Low-E	4mm	0.20	0.54	0.62	127	69	20	20	43	23	23	59	68	12	0.28	2

Total Solar Reflectance is accounting for the reflectance of the light wavelengths across the total solar spectrum and includes the wavelengths for UV, Visible, and IR. Visible Light Reflectance only accounts for the reflectance of light wavelengths in the visible light spectrum, i.e. 380 – 780 nanometers.



(1) Performance of products with 3/4", 13/16" IG or 2.5mm glass is within 10% of those stated for 3mm glass.

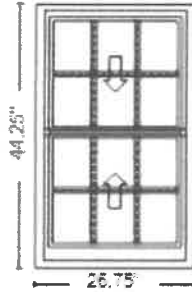
(2) 4mm and 5mm glass construction perform similar to 3mm within 10%.

* Wood products and Pella Impervia: Side 3, Pella 250 Series and Encompass by Pella: Side 2

** Varies by product.

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 17292604

Line Number: 10

Quote Qty: 2

Scaling: 1/2" = 1'

Description: Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan

Rough Opening: 27.5" X 45"

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual** responsible for the project and are not intended to create any warranty or other liability. The user** is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations.

** building owner, architect, contractor, installer and/or consumer



Quote Name: 42 Hunking Street

Project Name: 42 Hunking Street

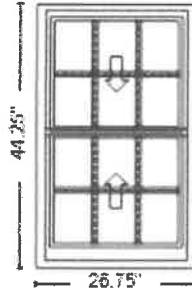
Jobsite Location: PORTSMOUTH, NH

Room Location: Hunling front bed

Sales Branch Location: 18000 Pella Windows & Doors of New England

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 17292604

Line Number: 15

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan

Rough Opening: 27.5" X 45"

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** building owner, architect, contractor, installer and/or consumer



Quote Name: 42 Hunking Street

Project Name: 42 Hunking Street

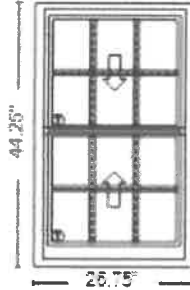
Jobsite Location: PORTSMOUTH, NH

Room Location: Closet

Sales Branch Location: 18000 Pella Windows & Doors of New England

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 17292604

Line Number: 20

Quote Qty: 1

Scaling: 1/2" = 1'

Description: Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan

Rough Opening: 27.5" X 45"

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual** responsible for the project and are not intended to create any warranty or other liability. The user** is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations.
** building owner, architect, contractor, installer and/or consumer



Quote Name: 42 Hunking Street

Project Name: 42 Hunking Street

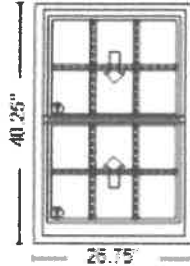
Jobsite Location: PORTSMOUTH, NH

Room Location: Bath, TMP

Sales Branch Location: 18000 Pella Windows & Doors of New England

Customer Approval Form:

Signature: _____ Date: _____



Viewed from the Exterior

Quote Number: 17292604

Line Number: 25

Quote Qty: 2

Scaling: 1/2" = 1'

Description: Pella® Reserve, Traditional, Double Hung, 26.75 X 40.25, Tan

Rough Opening: 27.5" X 41"

These drawings are based on our interpretation of the information provided to us. They are submitted for final approval of the individual** responsible for the project and are not intended to create any warranty or other liability. The user** is responsible for compliance with applicable building codes or other regulations and determining the suitability of the suggestions for the particular application, including the final design of reinforcement, flashing, and sealant systems for all window and door installations.

** building owner, architect, contractor, installer and/or consumer



Quote Name: 42 Hunking Street

Project Name: 42 Hunking Street

Jobsite Location: PORTSMOUTH, NH

Room Location: Bath, TMP

Sales Branch Location: 18000 Pella Windows & Doors of New England



Proposal - Detailed

Pella Window and Door Showroom of Newington
 25 Fox Run Road Suite 2
 Newington, NH 03801
 Phone: (603) 725-4690 Fax: (603) 427-0757

Sales Rep Name: Varney, Christopher
 Sales Rep Phone: 207-303-4617
 Sales Rep E-Mail: varneyca@pellanewengland.com
 Sales Rep Fax:

Customer Information	Project/Delivery Address	Order Information
Etro Construction 4 Doe Dr Eliot, ME 03903-2050 Primary Phone: (603) 2341217 Mobile Phone: Fax Number: (207) 2211322 E-Mail: Contact Name: Great Plains #: 155316 Customer Number: 1003039626 Customer Account: 1000555485	42 Hunking Street 42 Hunking Street Lot # PORTSMOUTH, NH 03801 County: ROCKINGHAM Owner Name: Etro Construction Owner Phone: (603) 2341217	Quote Name: 42 Hunking Street Order Number: 180CV0308 Quote Number: 17292604 Order Type: Non-Installed Sales Wall Depth: Payment Terms: Deposit/C.O.D. Tax Code: NHTAXABLE Cust Delivery Date: 10/24/2023 Quoted Date: 9/8/2023 Contracted Date: 9/22/2023 Booked Date: 9/25/2023 Customer PO #:

Customer Notes: ***** CUSTOMER TO REVIEW ALL SIZES, DETAILS AND LINE ITEM CUSTOMER NOTES PRIOR TO EXECUTING CONTRACT*****

Plan Rev-CV Site Visit on 9/1, Sizing per Mark 9/8 text

RESERVE TRADITIONAL

Construction: Wood/ Aluminum Clad
 Interior Finish: Prefinished White
 Exterior Finish: Seacoast Enduraclad in Tan (CONFIRM)
 Hardware: Standard in White
 Glass: Advanced Low-E w/Argon, Tempered where required (CONFIRM)
 Grilles: Putty/ Ogee ILT's as Shown
 Screens: Half InView Screens
 Attachment: Foldout Fins
 Jamb Extensions: None

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

Line #	Location:	Attributes	
10	Hunking front bed	<p>Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan</p> <p>1: Traditional, Non-Standard Size Non-Standard Size Double Hung, Equal Frame Size: 26 3/4 X 44 1/4 General Information: Standard, Luxury, Clad, Pine, 5", 3 11/16" Exterior Color / Finish: Painted, Seacoast Enduraclad, Tan Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Cam-Action Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Seacoast EnduraClad, Tan, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-232-01143-00001, Performance Class CW, PG 50, Calculated Positive DP Rating 50, Calculated Negative DP Rating 50, Year Rated 08 11, Clear Opening Width 23.375, Clear Opening Height 17.687, Clear Opening Area 2.871067, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W2H / 3W2H), Putty Glaze, Ogee Wrapping Information: Foldout Fins, Factory Applied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pella Recommended Clearance, Perimeter Length = 142".</p>	<p><u>Qty</u></p> <p>2</p>

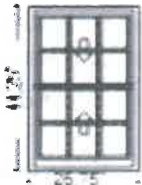


PK #
2144

Viewed From Exterior

Rough Opening: 27 - 1/2" X 45"

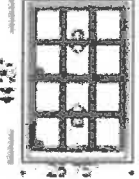
Line #	Location:	Attributes	
15	Closet	<p>Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan</p> <p>1: Traditional, Non-Standard Size Non-Standard Size Double Hung, Equal Frame Size: 26 3/4 X 44 1/4 General Information: Standard, Luxury, Clad, Pine, 5", 3 11/16" Exterior Color / Finish: Painted, Seacoast Enduraclad, Tan Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Cam-Action Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Seacoast EnduraClad, Tan, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.47, CPD PEL-N-232-01143-00001, Performance Class CW, PG 50, Calculated Positive DP Rating 50, Calculated Negative DP Rating 50, Year Rated 08 11, Clear Opening Width 23.375, Clear Opening Height 17.687, Clear Opening Area 2.871067, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W2H / 3W2H), Putty Glaze, Ogee Wrapping Information: Foldout Fins, Factory Applied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pella Recommended Clearance, Perimeter Length = 142".</p>	<p><u>Qty</u></p> <p>1</p>

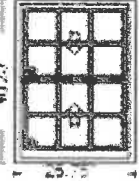


PK #
2144

Viewed From Exterior

Rough Opening: 27 - 1/2" X 45"

Line #	Location:	Attributes	
20	Bath, TMP	Pella® Reserve, Traditional, Double Hung, 26.75 X 44.25, Tan	
			<u>Qty</u> 1
	 <p>Viewed From Exterior Rough Opening: 27 - 1/2" X 45"</p>	<p>PK # 2144</p> <p>1: Traditional, Non-Standard Size Non-Standard Size Double Hung, Equal Frame Size: 26 3/4 X 44 1/4 General Information: Standard, Luxury, Clad, Pine, 5", 3 11/16" Exterior Color / Finish: Painted, Seacoast EnduraClad, Tan Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Cam-Action Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Seacoast EnduraClad, Tan, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.46, CPD PEL-N-232-01147-00001, Performance Class CW, PG 50, Calculated Positive DP Rating 50, Calculated Negative DP Rating 50, Year Rated 08 11, Clear Opening Width 23.375, Clear Opening Height 17.687, Clear Opening Area 2.871067, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W2H / 3W2H), Putty Glaze, Ogee Wrapping Information: Foldout Fins, Factory Applied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pella Recommended Clearance, Perimeter Length = 142".</p>	

Line #	Location:	Attributes	
25	Bath, TMP	Pella® Reserve, Traditional, Double Hung, 26.75 X 40.25, Tan	
			<u>Qty</u> 2
	 <p>Viewed From Exterior Rough Opening: 27 - 1/2" X 41"</p>	<p>PK # 2144</p> <p>1: Traditional, Non-Standard Size Non-Standard Size Double Hung, Equal Frame Size: 26 3/4 X 40 1/4 General Information: Standard, Luxury, Clad, Pine, 5", 3 11/16" Exterior Color / Finish: Painted, Seacoast EnduraClad, Tan Interior Color / Finish: Prefinished White Paint Interior Sash / Panel: Putty Glaze, Ogee, Standard, No Sash Lugs Glass: Insulated Dual Tempered Low-E Advanced Low-E Insulating Glass Argon Non High Altitude Hardware Options: Cam-Action Lock, White, No Window Opening Control Device, No Limited Opening Hardware, No Sash Lift, No Integrated Sensor Screen: Half Screen, Seacoast EnduraClad, Tan, Standard, InView™ Performance Information: U-Factor 0.29, SHGC 0.25, VLT 0.46, CPD PEL-N-232-01147-00001, Performance Class CW, PG 50, Calculated Positive DP Rating 50, Calculated Negative DP Rating 50, Year Rated 08 11, Clear Opening Width 23.375, Clear Opening Height 15.687, Clear Opening Area 2.546414, Egress Does not meet typical United States egress, but may comply with local code requirements Grille: ILT, No Custom Grille, 7/8", Traditional (3W2H / 3W2H), Putty Glaze, Ogee Wrapping Information: Foldout Fins, Factory Applied, No Exterior Trim, 3 11/16", 5", Factory Applied, Pella Recommended Clearance, Perimeter Length = 134".</p>	

Thank You For Your Interest In Pella® Products

PELLA WARRANTY:

Pella products are covered by Pella's limited warranties in effect at the time of sale. All applicable product warranties are incorporated into and become a part of this contract. Please see the warranties for complete details, taking special note of the two important notice sections regarding installation of Pella products and proper management of moisture within the wall system. Neither Pella Corporation nor the Seller will be bound by any other warranty unless specifically set out in this contract. However, Pella Corporation will not be liable for branch warranties which create obligations in addition to or obligations which are inconsistent with Pella written warranties.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen [or any other accessory] to the product. You should consult your local building code to ensure your Pella products meet local egress requirements.

Per the manufacturer's limited warranty, unfinished mahogany exterior windows and doors must be finished upon receipt prior to installing and refinished annually, thereafter. Variations in wood grain, color, texture or natural characteristics are not covered under the limited warranty.

INSYNCTIVE PRODUCTS: In addition, Pella Insynctive Products are covered by the Pella Insynctive Products Software License Agreement and Pella Insynctive Products Privacy Policy in effect at the time of sale, which can be found at [Insynctive.pella.com](https://www.pella.com). By installing or using Your Insynctive Products you are acknowledging the Insynctive Software Agreement and Privacy Policy are part of the terms of sale.

Notice of Collection of Personal Information: We may collect your personal information when you interact with us. Under the California Consumer Privacy Act (CCPA), California residents have specific rights to request this information, request to delete this information, and opt out of the sharing or sale of this information to third parties. To learn more about our collection practices and your rights under the CCPA please visit our link <https://www.pella.com/california-rights-policy/> at [pella.com](https://www.pella.com).

ARBITRATION AND CLASS ACTION WAIVER ("ARBITRATION AGREEMENT")

YOU and Pella and its subsidiaries and the Pella Branded Distributor AGREE TO ARBITRATE DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS (INCLUDES PELLA GOODS AND PELLA SERVICES) AND WAIVE THE RIGHT TO HAVE A COURT OR JURY DECIDE DISPUTES. YOU WAIVE ALL RIGHTS TO PROCEED AS A MEMBER OR REPRESENTATIVE OF A CLASS ACTION, INCLUDING CLASS ARBITRATION, REGARDING DISPUTES ARISING OUT OF OR RELATING TO YOUR PELLA PRODUCTS. You may opt out of this Arbitration Agreement by providing notice to Pella no later than ninety (90) calendar days from the date You purchased or otherwise took ownership of Your Pella Goods. To opt out, You must send notice by e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Opt Out" or by calling (877) 473-5527. Opting out of the Arbitration Agreement will not affect the coverage provided by any applicable limited warranty pertaining to Your Pella Products. For complete information, including the full terms and conditions of this Arbitration Agreement, which are incorporated herein by reference, please visit www.pella.com/arbitration or e-mail to pellawebsupport@pella.com, with the subject line: "Arbitration Details" or call (877) 473-5527. D'ARBITRAGE ET RENONCIATION AU RECOURS COLLECTIF ("convention d'arbitrage") EN FRANÇAIS SEE [PELLA.COM/ARBITRATION](https://www.pella.com/arbitration). DE ARBITRAJE Y RENUNCIA COLECTIVA ("acuerdo de arbitraje") EN ESPAÑOL VER [PELLA.COM/ARBITRATION](https://www.pella.com/arbitration).

Seller shall not be held liable for failure or delay in the performance of its obligations under this Agreement, if such performance is hindered or delayed by the occurrence of an act or event beyond the Seller's reasonable control (force majeure event), including but not limited to earthquakes, unusually severe weather and other Acts of God, fire, strikes and labor unrest, epidemics, riots, war, civil unrest, and government interventions. Seller shall give timely notice of a force majeure event and take such reasonable action to mitigate the impacts of such an event.

Product Performance Information:

U-Factor, Solar Heat Gain Coefficient (SHGC), and Visible Light Transmittance (VLT) are certified by the National Fenestration Rating Council (NFRC).

For more information regarding the finishing, maintenance, service and warranty of all Pella® products, visit the Pella® website at www.pella.com

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any products and does not warrant the suitability of any product for any specific use.

Design Pressure (DP), Performance Class, and Performance Grade (PG) are certified by a third party organization, in many cases the Window and Door Manufacturers Association (WDMA). The certification requires the performance of at least one product of the product line to be tested in accordance with the applicable performance standards and verified by an independent party. The certification indicates that the product(s) of the product line passed the applicable tests. The certification does not apply to mulled and/or product combinations unless noted. Actual product results will vary and change over the products life.

For more performance information along with information on Florida Product Approval System (FPAS) Number and Texas Dept. of Insurance (TDI) number go to www.pella.com/performance.

TERMS & CONDITIONS:

QUOTES ARE VALID FOR 30 DAYS

9. 9 Sheafe Street Street

- Recommended Approval

Background: The applicant is seeking approval for a change to a previously approved garage door.

Staff Comment: Recommended Approval

Stipulations:

1. _____
2. _____
3. _____

As Approved:

9 Sheafe Street *Rear Garage Door*

- Top window remains
- Remove bottom window
- Add carriage house style garage
- Door Dimensions 7'0" x 8'6"



Actual Door Selection (slightly different design):



10. 39 Dearborn Street - Recommended Approval

Background: The applicant is seeking approval for the final window schedule.

Staff Comment: Recommended Approval

Stipulations:

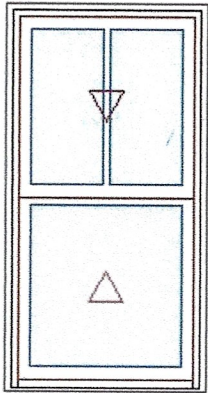
1. _____
2. _____
3. _____

Phase 1

LINE ITEM QUOTES

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #2	Mark Unit: W03 DH	Net Price:		791.69
Qty: 2		Ext. Net Price:	USD	1,583.38



As Viewed From The Exterior

Entered As: RO
 FS 24" X 45 1/2"
 RO 25" X 46"
Egress Information
 Width: 20 7/8" Height: 17 27/32"
 Net Clear Opening: 2.59 SqFt

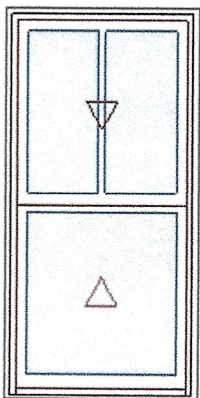
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 25" X 46"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

dinning front

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 1 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #3	Mark Unit: W04 DH	Net Price:		804.81
Qty: 2		Ext. Net Price:	USD	1,609.62



As Viewed From The Exterior

Entered As: RO
 FS 25" X 49 1/2"

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 26" X 50"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

living front

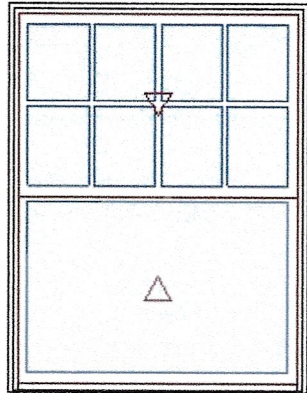
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 1 Satin Nickel Sash Lock

RO 26" X 50"
Egress Information
 Width: 21 7/8" Height: 19 27/32"
 Net Clear Opening: 3.01 SqFt

Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #4	Mark Unit: W05 DH	Net Price:		1,280.85
Qty: 1		Ext. Net Price:	USD	1,280.85



As Viewed From The Exterior

Entered As: RO
 FS 45" X 57 1/2"
 RO 46" X 58"
Egress Information
 Width: 41 7/8" Height: 23 27/32"
 Net Clear Opening: 6.93 SqFt

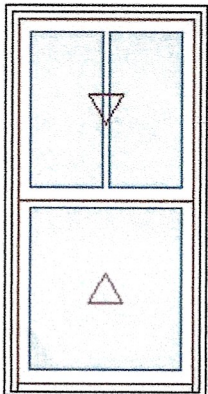
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 46" X 58"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 4W2H
 Stone White Ext - White Int

Living Gable

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 2 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #5	Mark Unit: W06 DH	Net Price:		791.69
Qty: 1		Ext. Net Price:	USD	791.69



As Viewed From The Exterior

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 25" X 46"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

office Gable

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

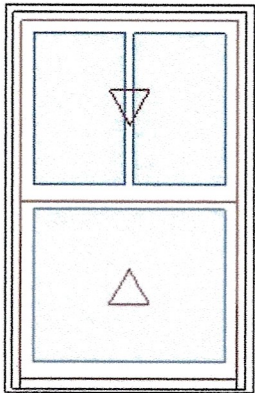
Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon

Entered As: RO
FS 24" X 45 1/2"
RO 25" X 46"
Egress Information
 Width: 20 7/8" Height: 17 27/32"
 Net Clear Opening: 2.59 SqFt

Stainless Perimeter Bar
 White Weather Strip Package
 1 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #6	Mark Unit: W21	Net Price:		750.86
Qty: 1		Ext. Net Price:	USD	750.86

MARVIN 



As Viewed From The Exterior

Entered As: RO
FS 25" X 38 1/2"
RO 26" X 39"
Egress Information
 Width: 21 7/8" Height: 14 11/32"
 Net Clear Opening: 2.18 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 26" X 39"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 1 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

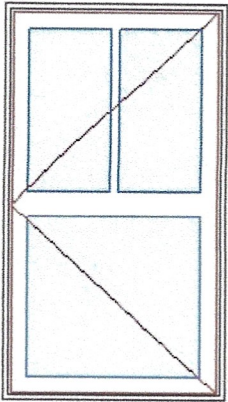
dog house
 dormer
 bed 2

Line #7	Mark Unit: W22 Case	Net Price:		850.75
Qty: 1		Ext. Net Price:	USD	850.75

MARVIN 

Stone White Exterior
 White Interior
 Elevate Casement - Left Hand
 Rough Opening 25" X 42"
 Standard CN Width 25
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 2 11/32" Simulated Rail Rectangular
 Standard 1.0:2.0
 7/8" SDL - With Spacer Bar - Stainless
 Top Cut 2W1H - Bottom Cut 1W1H
 3 Rect Lites
 Stone White Ext - White Int
 Satin Nickel Folding Handle

bed 2 gable

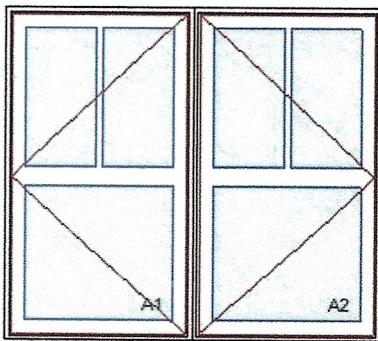


As Viewed From The Exterior

Entered As: RO
 FS 24" X 41 1/2"
 RO 25" X 42"
Egress Information
 Width: 15 15/64" Height: 37 3/32"
 Net Clear Opening: 3.93 SqFt

Interior Aluminum Screen
 Bright View Mesh
 White Surround
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #8	Mark Unit: W23	Net Price:	1,701.51
Qty: 1		Ext. Net Price:	USD 1,701.51



As Viewed From The Exterior

Entered As: Size by Units
 FS 48" X 41 1/2"
 RO 49" X 42"
Egress Information A1, A2
 Width: 15 15/64" Height: 37 3/32"
 Net Clear Opening: 3.93 SqFt

Stone White Exterior
 White Interior
 2W1H - Rectangle Assembly
 Assembly Rough Opening
 49" X 42"

Unit: A1
 Elevate Casement - Left Hand
 Basic Frame 24" X 41 1/2"
 Standard CN Width 25
 Rough Opening 25" X 42"
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 2 11/32" Simulated Rail Rectangular
 Standard 1.0:2.0
 7/8" SDL - With Spacer Bar - Stainless
 Top Cut 2W1H - Bottom Cut 1W1H
 3 Rect Lites
 Stone White Ext - White Int
 Satin Nickel Folding Handle
 Interior Aluminum Screen
 Bright View Mesh
 White Surround

bedroom L

Unit: A2
 Elevate Casement - Right Hand
 Basic Frame 24" X 41 1/2"
 Standard CN Width 25
 Rough Opening 25" X 42"
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 2 11/32" Simulated Rail Rectangular
 Standard 1.0:2.0
 7/8" SDL - With Spacer Bar - Stainless
 Top Cut 2W1H - Bottom Cut 1W1H

Dockham Builders / Bardong Bardong / Elevate

Quote #: JQURYVA

A Proposal for Window and Door Products prepared for:

Job Site:

03909

Shipping Address:

ELDREDGE LBR & HDWE-YORK

699 US ROUTE 1

YORK, ME 03909-5833

PETER LAJOIE
ELDREDGE LBR & HDWE-YORK
PO BOX 69
CAPE NEDDICK, ME 03902-0069
Phone: (207) 363-2004

Email: plajoie@eldredgelumber.com

This report was generated on 6/5/2023 7:59:01 AM
using the Marvin Order Management System,
version 0004.02.01 (Current). Price in USD. Unit
availability and price are subject to change. Dealer
terms and conditions may apply.

Featuring products from:



GLOBAL SPECS

The following product and option choices were designated as part of this project's Global Spec. Global Specs can be over-ridden on a line item basis. Exceptions to the specification are outlined in Line Item Quotes. Please proof all units thoroughly to ensure accuracy.

Elevate Spec



Exterior/Interior Colors/Finishes - Exterior Color	Stone White
Exterior/Interior Colors/Finishes - Interior Finish	White
Window Glass Type - Glazing	IG
Window Glass Type - Glazing Configuration	Standard Glazing
Window Glass Type - Glass Types	Low E2 w/Argon
Window Glass Type - Capillary Tube	False
Window Glass Type - Perimeter Bar Color	Stainless
Divided Lites - Divided Lite Type	None
Divided Lites - With Spacer	True
Window Hardware - Window Handle/Lock Color	Satin Nickel
Window Hardware - Window Control Device	False
Window Screens - Screen Type	Aluminum Screen
Window Screens - Exterior Screen Surround Color	Stone White
Window Screens - Mesh Type	Bright View Mesh
Jams - Jamb Depth	4 9/16"
Casing/Subsill - Top Casing Type	None
Casing/Subsill - Side Casing Type	None
Installation Method - Installation Options	Nailing Fin
Miscellaneous Options - Interior Weather Strip Color	White
Miscellaneous Options - Sash Exterior Color	Stone White
Miscellaneous Options - Sash Interior Finish	White
Unit Multiplier - Unit Multiplier	False
Finish / Species Multiplier - Finish / Species Multiplier	False
Glass Multiplier - Glass Multiplier	False
Divided Lite Multiplier - Divided Lites Multiplier	False
Hardware Multiplier - Hardware Multiplier	False
Screen Multiplier - Screen Multiplier	False
Casing Multiplier - Exterior Casing Multiplier	False
Jamb Extension Multiplier - Jamb Extension Multiplier	False

UNIT SUMMARY

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes.

Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

NUMBER OF LINES: 24

TOTAL UNIT QTY: 41

EXT NET PRICE: USD 39,305.27

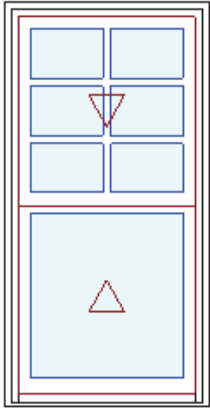
LINE	MARK UNIT	PRODUCT LINE	ITEM	NET PRICE	QTY	EXTENDED NET PRICE
1	W01 /DH / 1st Floor	Elevate	Double Hung RO 24" X 45" Entered as RO 24" X 45"	893.75	2	1,787.50
2	W02 / Transom / 1st floor	Elevate	Casement Transom RO 67 1/2" X 16 1/4" Entered as RO 67 1/2" X 16 1/4"	925.83	1	925.83
3	W03 / DH / 1st Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	791.69	2	1,583.38
4	W04 / DH / 1st Floor	Elevate	Double Hung RO 23" X 49" Entered as RO 23" X 49"	804.81	2	1,609.62
5	W05 / DH / 1st Floor	Elevate	Double Hung RO 43" X 57" Entered as RO 43" X 57"	1,280.85	1	1,280.85
6	W06 / DH / 1st Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	791.69	1	791.69
7	W07 / DH / 1st Floor	Elevate	Double Hung RO 25" X 69" Entered as RO 25" X 69"	1,024.24	6	6,145.44
8	W08 / DH / 1st Floor	Elevate	Double Hung RO 31 1/2" X 61" Entered as RO 31 1/2" X 61"	1,036.63	4	4,146.52
9	W09 / DH / 1st Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	2	1,787.50
10	W10 / DH / 1st Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	1	893.75
11	W11 / DH / 1st Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	1	893.75
12	W12 / DH / 2nd Floor	Elevate	Double Hung RO 33" X 53" Entered as RO 33" X 53"	991.43	4	3,965.72
13	W13 / DH / 2nd Floor	Elevate	Double Hung RO 37" X 55" Entered as	1,027.88	1	1,027.88

14	W14 / DH / 2nd Floor	Elevate	RO 37" X 55" Double Hung RO 37" X 55" Entered as RO 37" X 55"	1,027.88	1	1,027.88
15	W15 / DH / 2nd Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	1	893.75
16	W16 / DH / 2nd Floor	Elevate	Double Hung RO 33" X 53" Entered as RO 33" X 53"	991.43	1	991.43
17	W17 DH / 2nd Floor	Elevate	Double Hung RO 23" X 37" Entered as RO 23" X 37"	852.92	1	852.92
18	W18 / DH / 2nd Floor	Elevate	Double Hung Picture RO 25" X 25" Entered as RO 25" X 25"	715.15	1	715.15
19	W19 / DH / 2nd Floor	Elevate	Double Hung RO 23" X 37" Entered as RO 23" X 37"	852.92	1	852.92
20	W20 / DH / 2nd Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	1	893.75
21	W21 / DH / 2nd Floor	Elevate	Double Hung RO 20 5/8" X 33" Entered as RO 20 5/8" X 33"	726.80	1	726.80
22	W22-W23 / Case / 2nd Floor	Elevate	Casement RO 33" X 53" Entered as RO 33" X 53"	1,007.48	3	3,022.44
23	W24 / DH / 2nd Floor	Elevate	Double Hung RO 23" X 45" Entered as RO 23" X 45"	893.75	1	893.75
24	W25 / Casement / Base	Elevate	Elevate Assembly RO 49" X 56 1/2" Entered as Size by Units	1,595.05	1	1,595.05

LINE ITEM QUOTES

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #1	Mark Unit: W01 /DH / 1st Floor	Net Price:		893.75
Qty: 2		Ext. Net Price:	USD	1,787.50



As Viewed From The Exterior

Entered As: RO
 FS 23" X 44 1/2"
 RO 24" X 45"
Egress Information
 Width: 19 7/8" Height: 17 11/32"
 Net Clear Opening: 2.39 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 24" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W3H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #2	Mark Unit: W02 / Transom / 1st floor	Net Price:		925.83
Qty: 1		Ext. Net Price:	USD	925.83

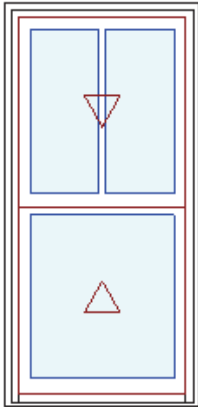


As Viewed From The Exterior

Entered As: RO
 FS 66 1/2" X 15 3/4"
 RO 67 1/2" X 16 1/4"
Egress Information
 No Egress Information available.

Stone White Exterior
 White Interior
 Elevate Casement Transom
 Rough Opening 67 1/2" X 16 1/4"
 Standard CN Height 16
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 5W1H
 Stone White Ext - White Int
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #3	Mark Unit: W03 / DH / 1st Floor	Net Price:		791.69
Qty: 2		Ext. Net Price:	USD	1,583.38



As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

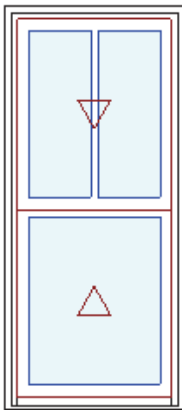
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #4	Mark Unit: W04 / DH / 1st Floor	Net Price:	804.81
Qty: 2		Ext. Net Price:	1,609.62
		USD	



As Viewed From The Exterior

Entered As: RO
 FS 22" X 48 1/2"
 RO 23" X 49"
Egress Information
 Width: 18 7/8" Height: 19 11/32"
 Net Clear Opening: 2.54 SqFt

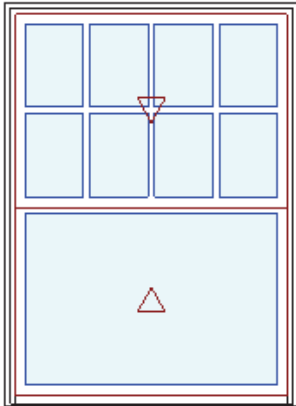
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 49"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #5	Mark Unit: W05 / DH / 1st Floor	Net Price:		1,280.85
Qty: 1		Ext. Net Price:	USD	1,280.85

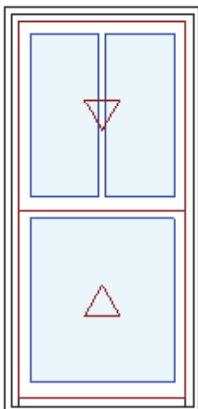


As Viewed From The Exterior

Entered As: RO
 FS 42" X 56 1/2"
 RO 43" X 57"
Egress Information
 Width: 38 7/8" Height: 23 11/32"
 Net Clear Opening: 6.30 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 43" X 57"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 4W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #6	Mark Unit: W06 / DH / 1st Floor	Net Price:		791.69
Qty: 1		Ext. Net Price:	USD	791.69

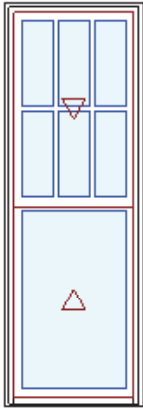


As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #7	Mark Unit: W07 / DH / 1st Floor	Net Price:		1,024.24
Qty: 6		Ext. Net Price:	USD	6,145.44



As Viewed From The Exterior

Entered As: RO
 FS 24" X 68 1/2"
 RO 25" X 69"
Egress Information
 Width: 20 7/8" Height: 29 11/32"
 Net Clear Opening: 4.25 SqFt

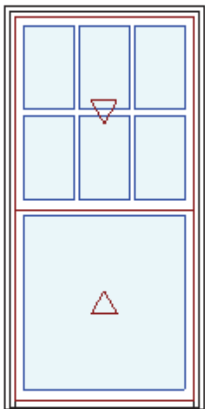
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 25" X 69"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #8	Mark Unit: W08 / DH / 1st Floor	Net Price:		1,036.63
Qty: 4		Ext. Net Price:	USD	4,146.52



As Viewed From The Exterior

Entered As: RO
 FS 30 1/2" X 60 1/2"
 RO 31 1/2" X 61"
Egress Information
 Width: 27 3/8" Height: 25 11/32"
 Net Clear Opening: 4.82 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 31 1/2" X 61"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

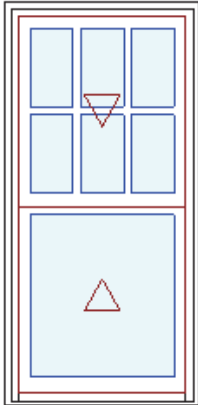
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the

OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #9	Mark Unit: W09 / DH / 1st Floor	Net Price:		893.75
Qty: 2		Ext. Net Price:	USD	1,787.50



As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

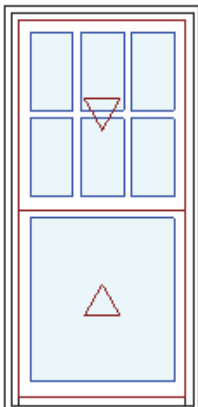
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #10	Mark Unit: W10 / DH / 1st Floor	Net Price:		893.75
Qty: 1		Ext. Net Price:	USD	893.75



As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

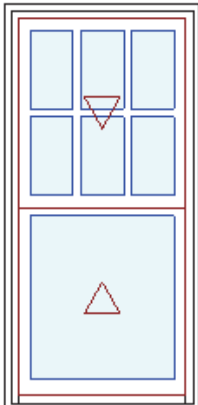
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb

Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #11	Mark Unit: W11 / DH / 1st Floor	Net Price:		893.75
Qty: 1		Ext. Net Price:	USD	893.75

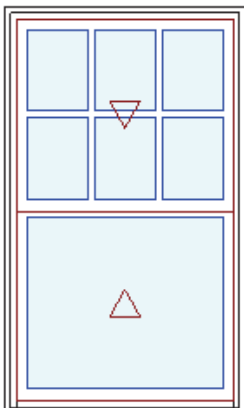


As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #12	Mark Unit: W12 / DH / 2nd Floor	Net Price:		991.43
Qty: 4		Ext. Net Price:	USD	3,965.72



As Viewed From The Exterior

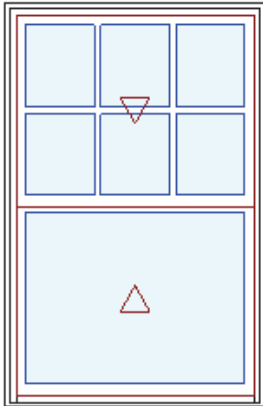
Entered As: RO
 FS 32" X 52 1/2"
 RO 33" X 53"
Egress Information
 Width: 28 7/8" Height: 21 11/32"

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 33" X 53"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround

Net Clear Opening: 4.28 SqFt

Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #13	Mark Unit: W13 / DH / 2nd Floor	Net Price:		1,027.88
Qty: 1		Ext. Net Price:	USD	1,027.88

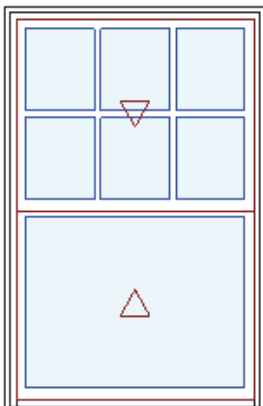


As Viewed From The Exterior

Entered As: RO
 FS 36" X 54 1/2"
 RO 37" X 55"
Egress Information
 Width: 32 7/8" Height: 22 11/32"
 Net Clear Opening: 5.10 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 37" X 55"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #14	Mark Unit: W14 / DH / 2nd Floor	Net Price:		1,027.88
Qty: 1		Ext. Net Price:	USD	1,027.88



As Viewed From The Exterior

Entered As: RO
 FS 36" X 54 1/2"
 RO 37" X 55"

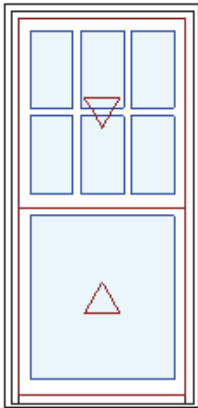
Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 37" X 55"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock

Egress Information

Width: 32 7/8" Height: 22 11/32"
 Net Clear Opening: 5.10 SqFt

Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #15	Mark Unit: W15 / DH / 2nd Floor	Net Price:		893.75
Qty: 1		Ext. Net Price:	USD	893.75

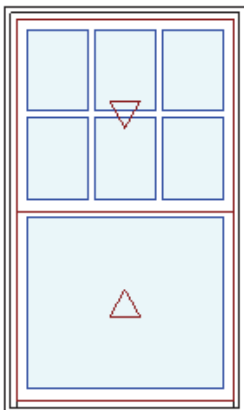


As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #16	Mark Unit: W16 / DH / 2nd Floor	Net Price:		991.43
Qty: 1		Ext. Net Price:	USD	991.43



As Viewed From The Exterior

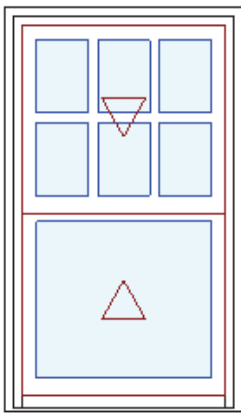
Entered As: RO
 OMS Ver. 0004.02.01 (Current)

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 33" X 53"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar

FS 32" X 52 1/2"
 RO 33" X 53"
Egress Information
 Width: 28 7/8" Height: 21 11/32"
 Net Clear Opening: 4.28 SqFt

White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #17	Mark Unit: W17 DH / 2nd Floor	Net Price:		852.92
Qty: 1		Ext. Net Price:	USD	852.92



As Viewed From The Exterior

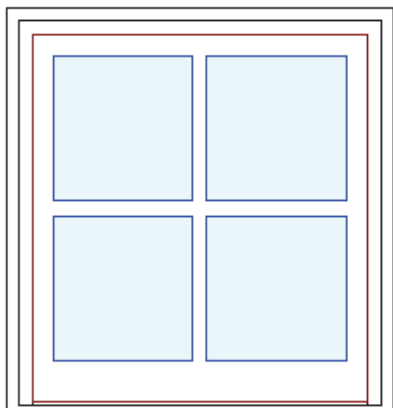
Entered As: RO
 FS 22" X 36 1/2"
 RO 23" X 37"
Egress Information
 Width: 18 7/8" Height: 13 11/32"
 Net Clear Opening: 1.75 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 37"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #18	Mark Unit: W18 / DH / 2nd Floor	Net Price:		715.15
Qty: 1		Ext. Net Price:	USD	715.15



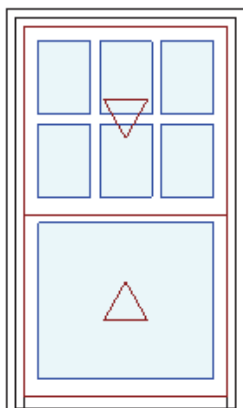
Stone White Exterior
 White Interior
 Elevate Double Hung Picture
 Rough Opening 25" X 25"
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W2H
 Stone White Ext - White Int
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change



As Viewed From The Exterior

Entered As: RO
 FS 24" X 24 1/2"
 RO 25" X 25"
Egress Information
 No Egress Information available.

Line #19	Mark Unit: W19 / DH / 2nd Floor	Net Price:		852.92
Qty: 1		Ext. Net Price:	USD	852.92



As Viewed From The Exterior

Entered As: RO
 FS 22" X 36 1/2"
 RO 23" X 37"
Egress Information
 Width: 18 7/8" Height: 13 11/32"
 Net Clear Opening: 1.75 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 37"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

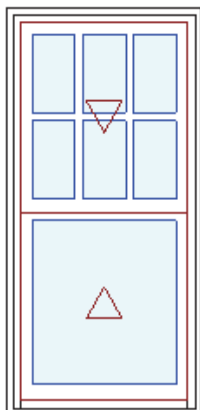
Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh

4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #20	Mark Unit: W20 / DH / 2nd Floor	Net Price:		893.75
Qty: 1		Ext. Net Price:	USD	893.75



Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior

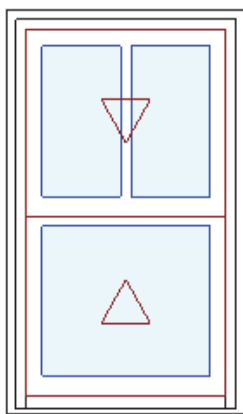


As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #21	Mark Unit: W21 / DH / 2nd Floor	Net Price:		726.80
Qty: 1		Ext. Net Price:	USD	726.80



As Viewed From The Exterior

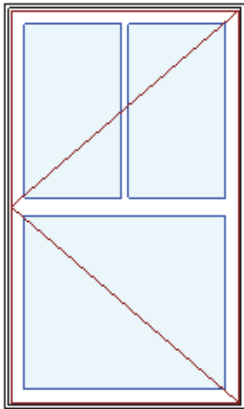
Entered As: RO
 FS 19 5/8" X 32 1/2"
 RO 20 5/8" X 33"
Egress Information
 Width: 16 1/2" Height: 11 11/32"
 Net Clear Opening: 1.30 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 20 5/8" X 33"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 2W1H
 Stone White Ext - White Int
Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.
 Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #22	Mark Unit: W22-W23 / Case / 2nd Floor	Net Price:		1,007.48
Qty: 3		Ext. Net Price:	USD	3,022.44



Stone White Exterior
 White Interior
 Elevate Casement - Left Hand
 Rough Opening 33" X 53"



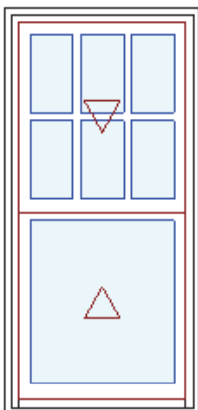
As Viewed From The Exterior

Entered As: RO
 FS 32" X 52 1/2"
 RO 33" X 53"
Egress Information
 Width: 23 15/64" Height: 48 3/32"
 Net Clear Opening: 7.76 SqFt

Standard CN Width 33
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 2 11/32" Simulated Rail Rectangular
 Standard 1.0:2.0
 7/8" SDL - With Spacer Bar - Stainless
 Top Cut 2W1H - Bottom Cut 1W1H
 3 Rect Lites
 Stone White Ext - White Int
 Satin Nickel Folding Handle
 Interior Aluminum Screen
 Bright View Mesh
 White Surround
 4 9/16" Jambs
 Nailing Fin

***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #23	Mark Unit: W24 / DH / 2nd Floor	Net Price:		893.75
Qty: 1		Ext. Net Price:	USD	893.75



As Viewed From The Exterior

Entered As: RO
 FS 22" X 44 1/2"
 RO 23" X 45"
Egress Information
 Width: 18 7/8" Height: 17 11/32"
 Net Clear Opening: 2.27 SqFt

Stone White Exterior
 White Interior
 Elevate Double Hung
 Rough Opening 23" X 45"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int

Divided Lite Options are inconsistent across the panels of this unit. Ensure the correct Divided Lite Types have been selected.

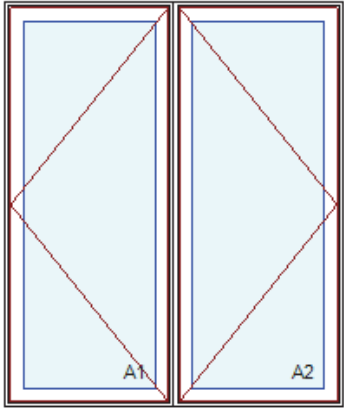
Bottom Sash
 Stone White Exterior
 White Interior
 IG - 1 Lite
 Low E2 w/Argon
 Stainless Perimeter Bar
 White Weather Strip Package
 Satin Nickel Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh

4 9/16" Jambs
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Line #24	Mark Unit: W25 / Casement / Base	Net Price:		1,595.05
Qty: 1		Ext. Net Price:	USD	1,595.05



Stone White Exterior
 White Interior
 2W1H - Rectangle Assembly
 Assembly Rough Opening
 49" X 56 1/2"



As Viewed From The Exterior

Entered As: Size by Units
FS 48" X 56"
RO 49" X 56 1/2"
Egress Information A1, A2
Width: 15 15/64" Height: 51 19/32"
Net Clear Opening: 5.46 SqFt

Unit: A1
Elevate Casement - Left Hand
Basic Frame 24" X 56"
Standard CN Width 25
Rough Opening 25" X 56 1/2"
Stone White Exterior
White Interior
IG - 1 Lite
Low E2 w/Argon
Stainless Perimeter Bar
Satin Nickel Folding Handle
Interior Aluminum Screen
Bright View Mesh
White Surround

Unit: A2
Elevate Casement - Right Hand
Basic Frame 24" X 56"
Standard CN Width 25
Rough Opening 25" X 56 1/2"
Stone White Exterior
White Interior
IG - 1 Lite
Low E2 w/Argon
Stainless Perimeter Bar
Satin Nickel Folding Handle
Interior Aluminum Screen
Bright View Mesh
White Surround

4 9/16" Jambs
Nailing Fin
***Note: Unit Availability and Price is Subject to Change

Project Subtotal Net Price: USD	39,305.27
5.500% Sales Tax: USD	2,161.79
Project Total Net Price: USD	41,467.06

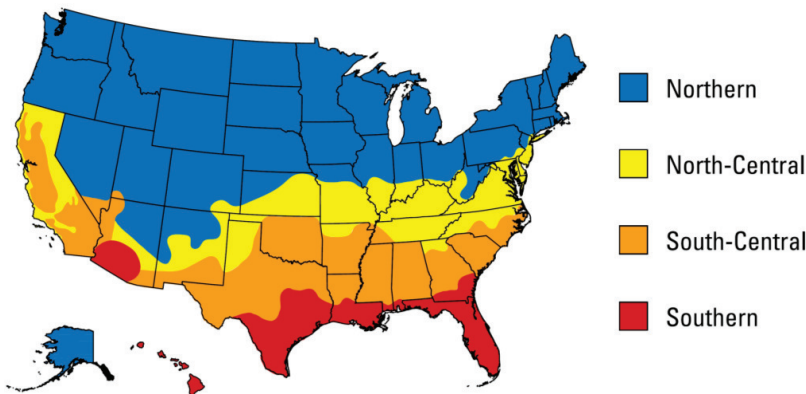
TERMS AND CONDITIONS

PRODUCT AND PERFORMANCE INFORMATION

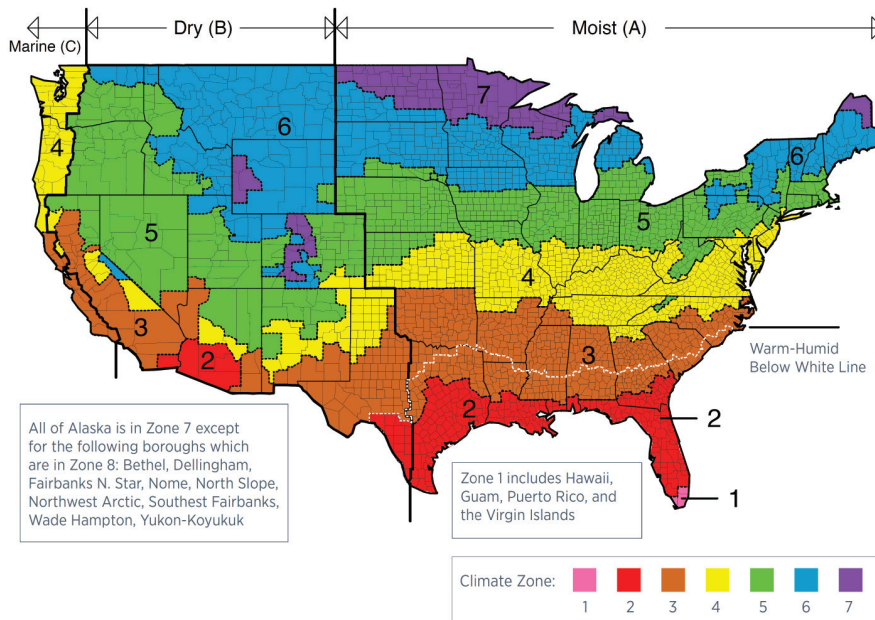
NFRC energy ratings and values may vary depending on the exact configuration of glass thickness used on the unit. This data may change over time due to ongoing product changes or updated test results or requirements.

The National Fenestration Rating Council (NFRC) has developed and operates a uniform national rating system for the energy performance of fenestration products, including windows and doors. For additional information regarding this rating system, see www.nfrc.org.

Review the map below to determine if your units meet ENERGY STAR for your location.



International Energy Conservation Code (IECC) Climate Regions



PURCHASE APPROVAL/SIGN OFF

Project Subtotal Net Price: USD 39,305.27
5.500% Sales Tax: USD 2,161.79
Project Total Net Price: USD 41,467.06

I have reviewed all line item quotes in detail and agree that the product specifications and pricing are accurate, and I approve the project for order. I acknowledge that additional charges, tax or Terms and Conditions may apply.

Seller: _____

Buyer: _____

Historic District Commission

Staff Report

Wednesday, October 04, 2023



Historic District Commission Applications

Administrative Approvals:

1. 147 Congress Street
2. 22 Ladd Street, Unit A
3. 169 Lafayette Road, Unit #2
4. 104 Congress Street
5. 466 Marcy Street
6. 260 Marcy Street
7. 503 State Street, Unit #3
8. 42 Hunking Street

A. 64 Vaughan Street

Public Hearings (Old Business):

A. **REQUEST TO POSTPONE-** 202
Court Street

Public Hearings (New Business):

1. 129 State Street (Work Session/Public Hearing)
2. **REQUEST TO POSTPONE-37**
Prospect Street (Work Session/Public Hearing)
3. 700 Middle Street
4. 306 Marcy Street
5. 39 Chauncey Street

Work Sessions (Old Business):

A. 14 Market Square

Work Sessions (New Business):

Project Address: 202 COURT STREET

Permit Requested: CERTIFICATE OF APPROVAL

Application: PUBLIC HEARING #A

A. Property Information - General:

Existing Conditions:

- Zoning District: CD4-L1
- Land Use: Residential
- Land Area: 5,036 SF +/-
- Estimated Age of Structure: c.1860
- Building Style: Greek
- Number of Stories: 3
- Historical Significance: C
- Public View of Proposed Work: View from Court Street
- Unique Features: NA
- Neighborhood Association: Downtown



B. Proposed Work: To add condensers and solar panels to the structure, Board of Adjustment approval has been granted.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Install multiple A/C condenser units
- Install roof mounted solar panels



D. Purpose and Intent:

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
3. Conservation and enhancement of property values
4. Maintain the special character of the District
5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

Project Address: 129 STATE STREET

Permit Requested: WORK SESSION/PUBLIC HEARING

Application: WS/PH #1

A. Property Information - General:

Existing Conditions:

- Zoning District: CD4
- Land Use: Single Family
- Land Area: 3,050 SF +/-
- Estimated Age of Structure: c.1815
- Building Style: Federal
- Number of Stories: 3.0
- Historical Significance: NA
- Public View of Proposed Work: View from State and Sheafe Streets
- Unique Features: NA
- Neighborhood Association: Downtown



B. Proposed Work: Changes to a previous design (modify the windows, door, skylights, and roofline features.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Modifications to the windows, door, skylights, and rooftop features.
- This applicant is proposing changes to a previously approved design.



**HISTORIC
SURVEY
RATING
NA**

D. Purpose and Intent:

1. Preserve the integrity of the District
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3. Conservation and enhancement of property values
4. Maintain the special character of the District
5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
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4. Compatibility of innovative technologies with surrounding properties

Project Address: 37 PROSPECT STREET

Permit Requested: WORK SESSION/ PUBLIC HEARING

Application: WS/PH #2

A. Property Information - General:

Existing Conditions:

- Zoning District: GRA
- Land Use: Single-Family
- Land Area: 5,230 SF +/-
- Estimated Age of Structure: c.1790
- Building Style: Colonial
- Number of Stories: 2
- Historical Significance: C
- Public View of Proposed Work: View from Prospect Street
- Unique Features: NA
- Neighborhood Association: Christian Shore



B. Proposed Work: To construct an addition, connector and repurpose barn

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Add a 2-story rear addition with a connector and repurpose the barn
- Note, this applicant has a slightly new design to propose after meeting with the inspections department.



D. Purpose and Intent:

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
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5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
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4. Compatibility of innovative technologies with surrounding properties

Project Address: 700 MIDDLE STREET

Permit Requested: PUBLIC HEARING

Application: PUBLIC HEARING #3



A. Property Information - General:

Existing Conditions:

- Zoning District: GRA
- Land Use: Single-Family
- Land Area: 12,575 SF +/-
- Estimated Age of Structure: c.1880
- Building Style: Greek Revival
- Number of Stories: 2
- Historical Significance: C
- Public View of Proposed Work: View from Middle and Aldrich Streets
- Unique Features: Large Barn on property
- Neighborhood Association: Lafayette Park neighborhood association

B. Proposed Work: To install roof-mounted solar panels.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Roof mounted solar panels.



**HISTORIC
SURVEY
RATING
C**

D. Purpose and Intent:

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
3. Conservation and enhancement of property values
4. Maintain the special character of the District
5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

Project Address: 306 MARCY STREET

Permit Requested: PUBLIC HEARING

Application: PUBLIC HEARING #4

A. Property Information - General:

Existing Conditions:

- Zoning District: GRB
- Land Use: Multi-Family Residential
- Land Area: 2,360 SF +/-
- Estimated Age of Structure: c.1845
- Building Style: Gothic Revival
- Number of Stories: 3
- Historical Significance: C
- Public View of Proposed Work: View from Marcy and Pickering Streets
- Unique Features: Gothic Design
- Neighborhood Association: South End



B. Proposed Work: To replace all the existing windows on the structure.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Replace all (36) windows on the structure.
- Replace trim and cornice pieces as needed.



D. Purpose and Intent:

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2. Assessment of the Historical Significance
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5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

Project Address: 39 CHAUNCEY STREET

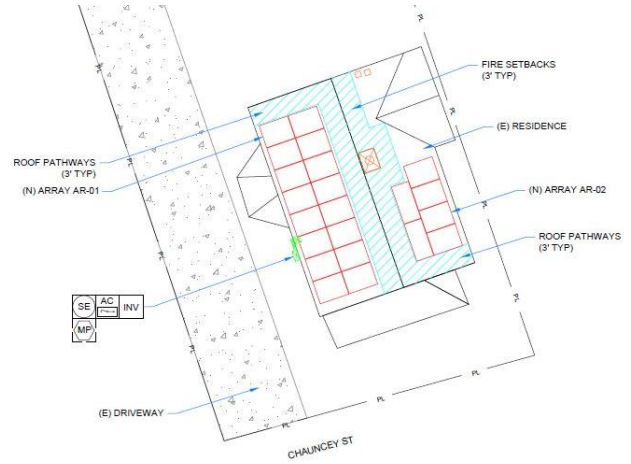
Permit Requested: PUBLIC HEARING

Application: PUBLIC HEARING #5

A. Property Information - General:

Existing Conditions:

- Zoning District: GRA
- Land Use: Single-Family
- Land Area: 19,939 SF +/-
- Estimated Age of Structure: c.1890
- Building Style: Vernaculas Greek Revival
- Number of Stories: 2.5
- Historical Significance: C
- Public View of Proposed Work: View from Chauncey and Middle Streets
- Unique Features: NA
- Neighborhood Association: Lafayette Park neighborhood association.



B. Proposed Work: To add roof-mounted solar panels.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- To add roof-mounted solar panels.



D. Purpose and Intent:

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
3. Conservation and enhancement of property values
4. Maintain the special character of the District
5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

Project Address: 14 MARKET SQAURE

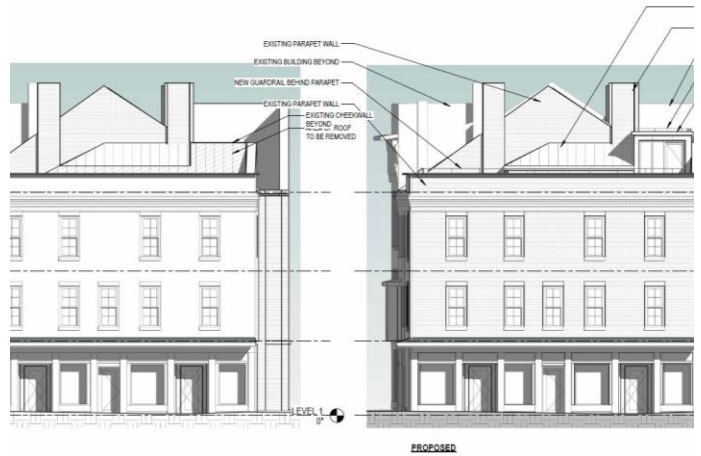
Permit Requested: WORK SESSION

Application: WORK SESSION A

A. Property Information - General:

Existing Conditions:

- Zoning District: CD5
- Land Use: Mixed-Use
- Land Area: 3,136 SF +/-
- Estimated Age of Structure: c.1840
- Building Style: Commercial vernacular
- Number of Stories: 3
- Historical Significance: C
- Public View of Proposed Work: View from Market Square
- Unique Features: NA
- Neighborhood Association: Downtown

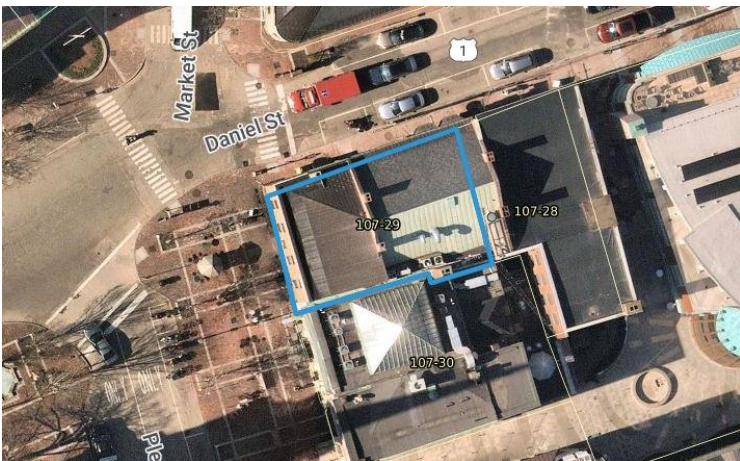


B. Proposed Work: To construct a roof top stairwell enclosure and penthouse addition.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- Add a rooftop stairwell enclosure and penthouse addition.



D. Purpose and Intent:

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
3. Conservation and enhancement of property values
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5. Complement and enhance the architectural and historic character
6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

Project Address: 64 VAUGHAN STREET

Permit Requested: WORK SESSION

Application: WORK SESSION #1

A. Property Information - General:

Existing Conditions:

- Zoning District: CD5
- Land Use: Commercial
- Land Area: 15,242 SF +/-
- Estimated Age of Structure: c.1900
- Building Style: Vernacular Commercial
- Historical Significance: C
- Public View of Proposed Work: View from Vaughan Mall and Hanover Streets
- Unique Features: NA
- Neighborhood Association: Downtown

B. Proposed Work: To add animated direct illuminated signage facing Vaughan Mall.

C. Staff Comments and/ or Suggestions for Consideration:

The project proposal includes the following:

- To add animated direct illuminated signage facing Vaughan Mall.
- This will ultimately need Board of Adjustment Approval.



Novocure Vaughn Mall Window Informational Display Proposal

The informational displays are made up of eight 65" horizontal screens facing the street, draws passersby in and gives them an understanding of Novocure's mission at a glance. Quotes and imagery celebrating Novocure are overlaid on top of a dynamic background of ITFields that changes color throughout the day. These intersecting lines serve as the thread that weaves the imagery and text together.



D. Purpose and Intent:

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6. Promote the education, pleasure and welfare of the District and the city residents and visitors

E. Review Criteria/Findings of Fact:

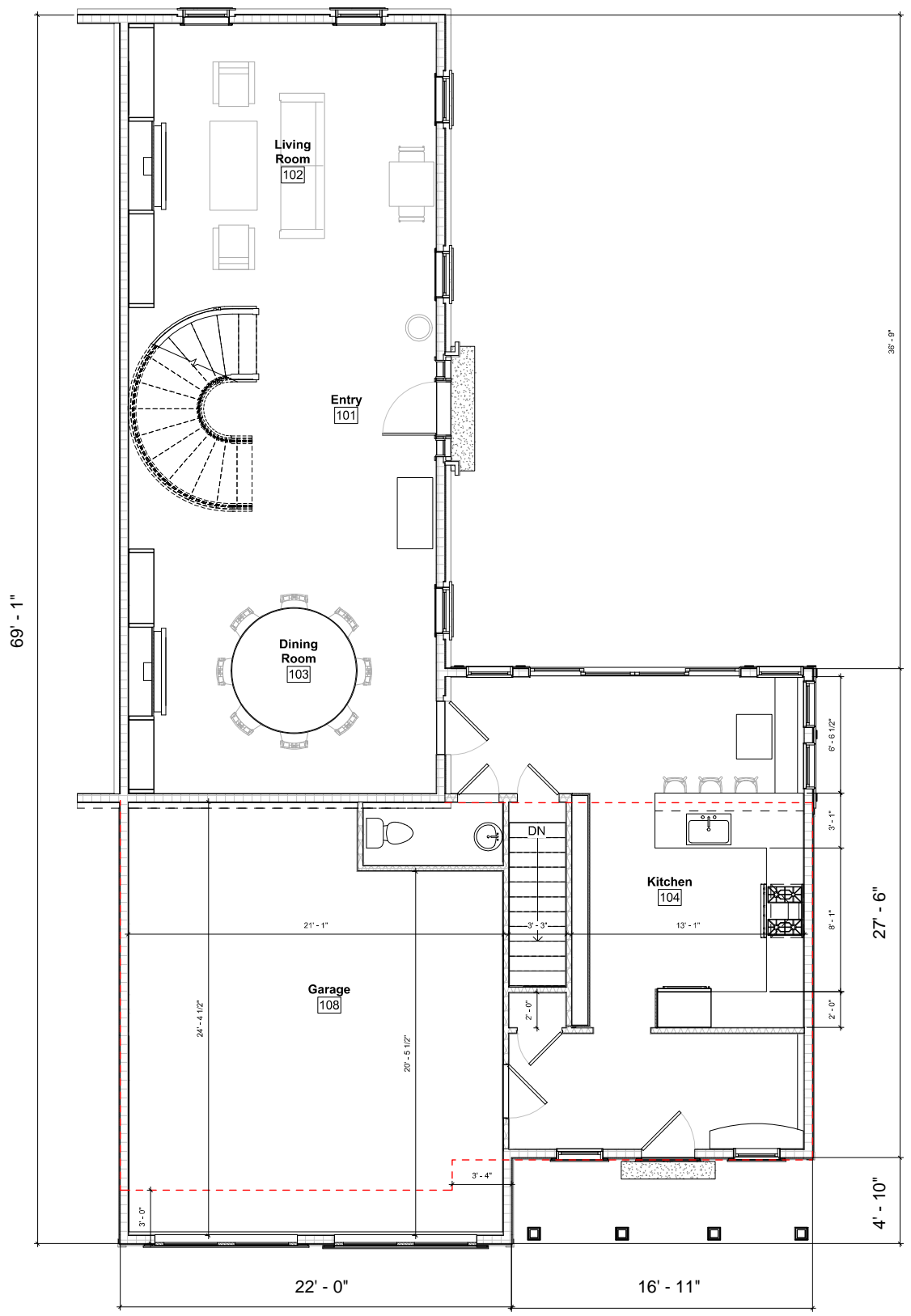
1. Consistent with special and defining character of surrounding properties
2. Compatibility of design with surrounding properties
3. Relation to historic and architectural value of existing structures
4. Compatibility of innovative technologies with surrounding properties

DOYLE NAM RESIDENCE

129 STATE STREET, PORTSMOUTH, NH

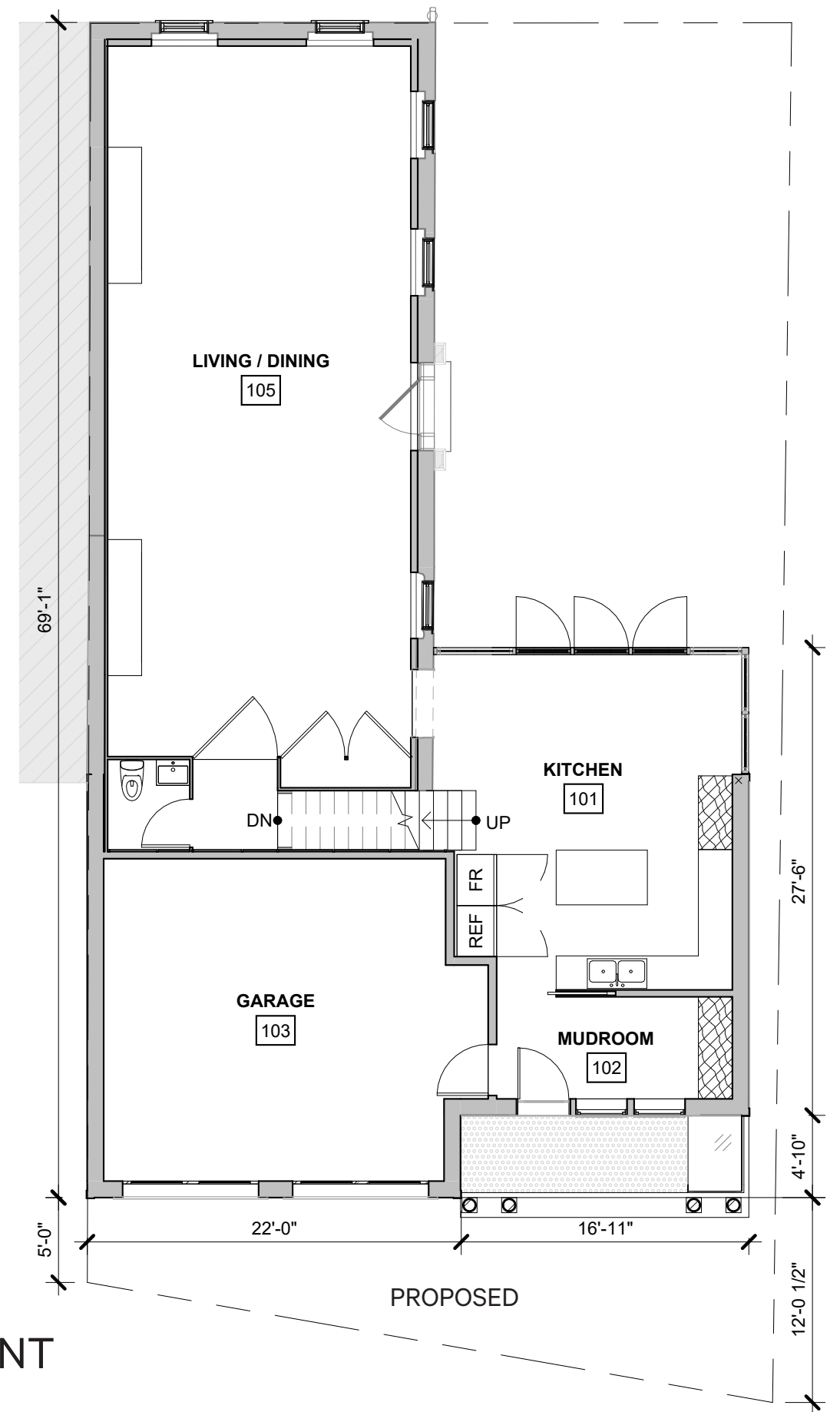
HISTORIC DISTRICT COMMISSION - 10.04.2023

Spivak Architects



HDC APPROVED 05/04/2022

BUILDING FOOTPRINT



PROPOSED

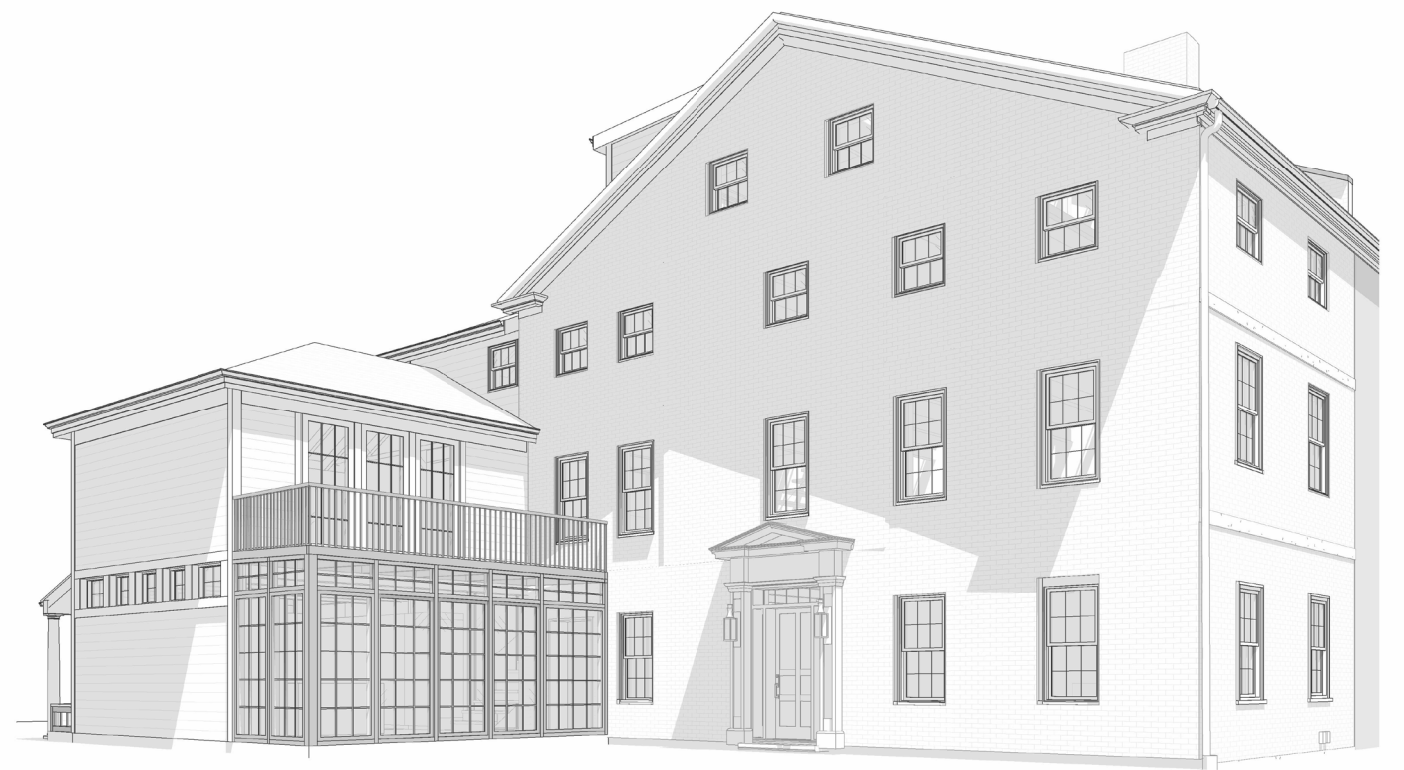


HDC APPROVED 05/04/2022



PROPOSED

BUILDING HEIGHT



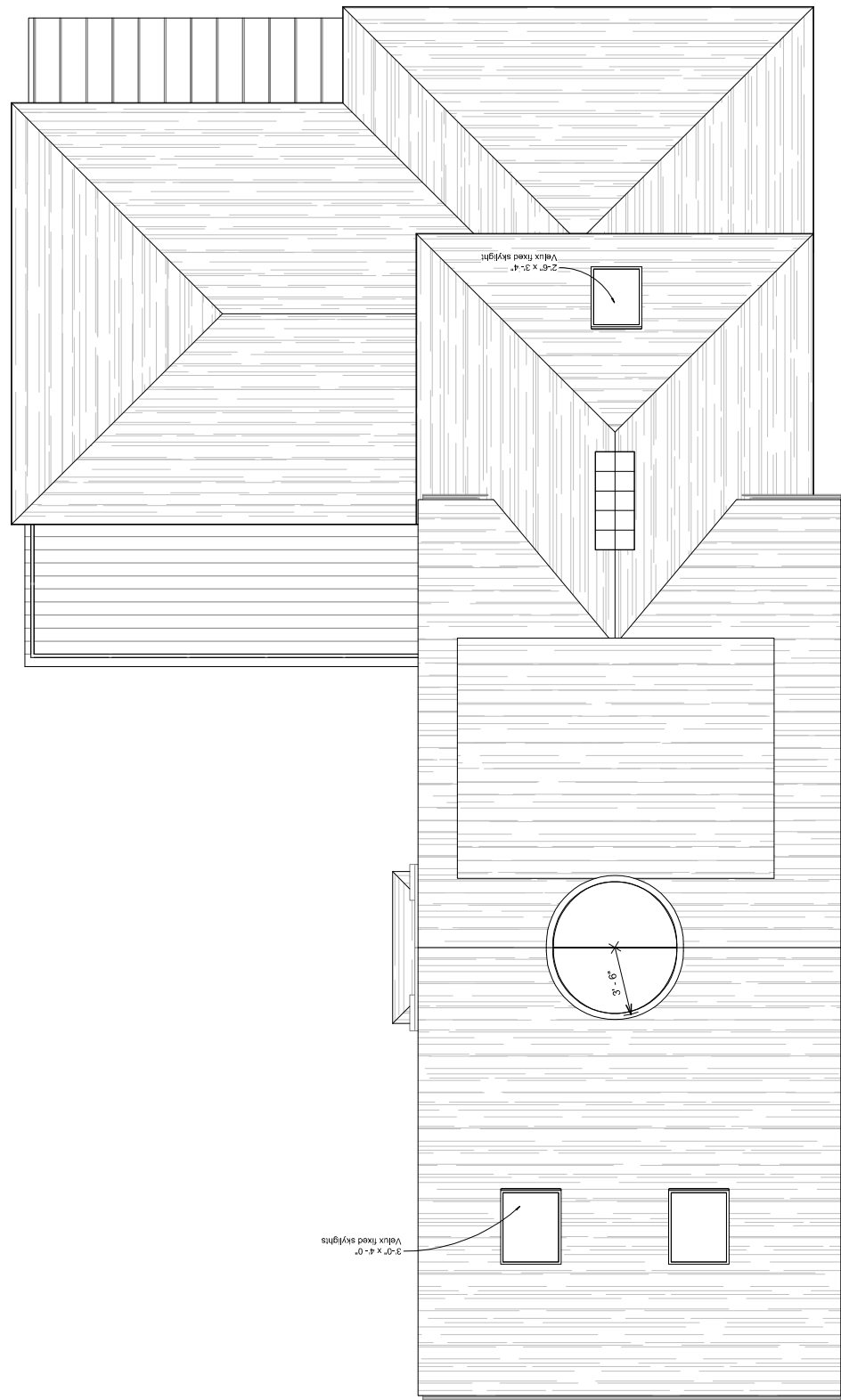
HDC APPROVED 05/04/2022

PROPOSED



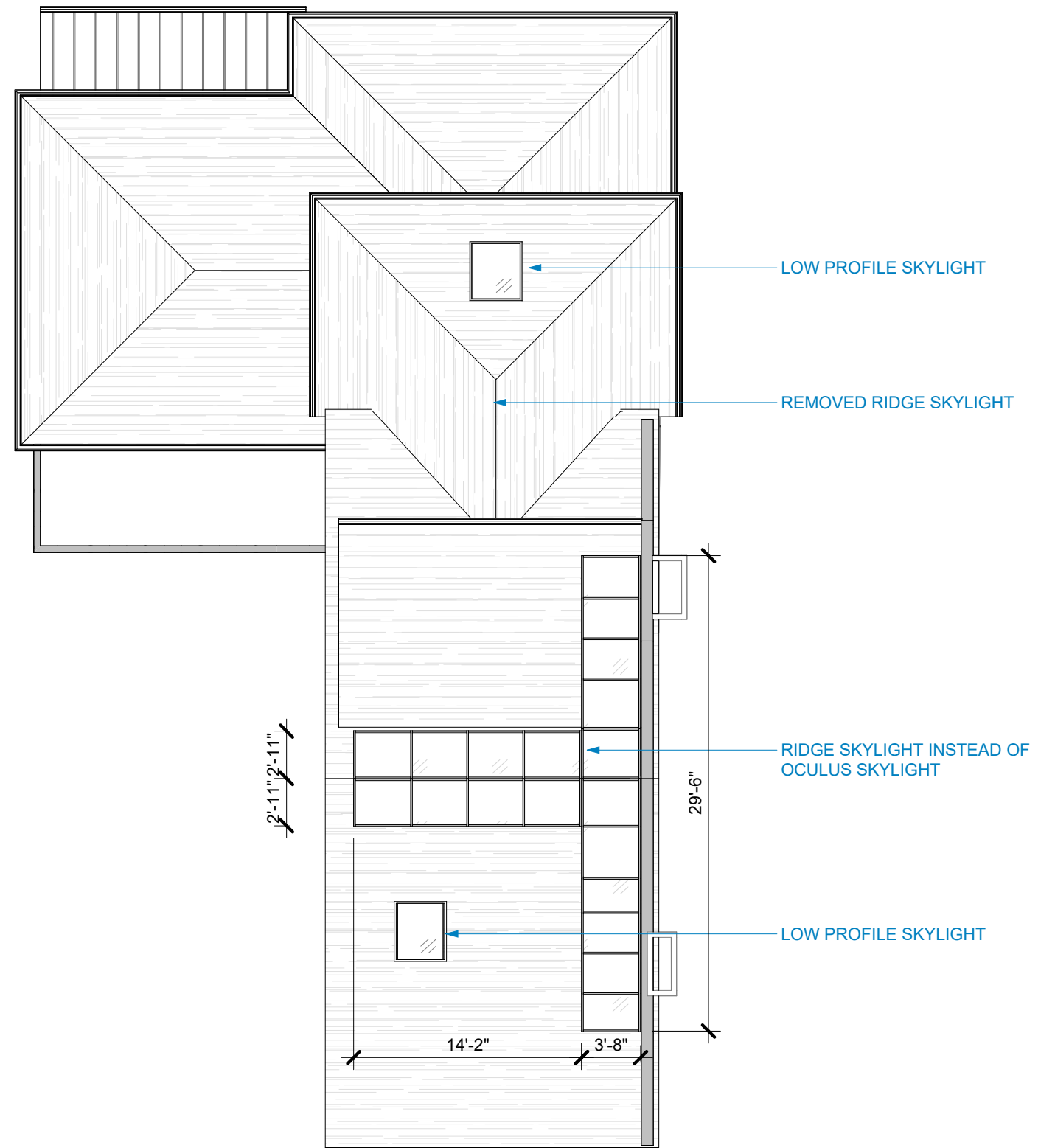
HDC APPROVED 05/04/2022

PROPOSED

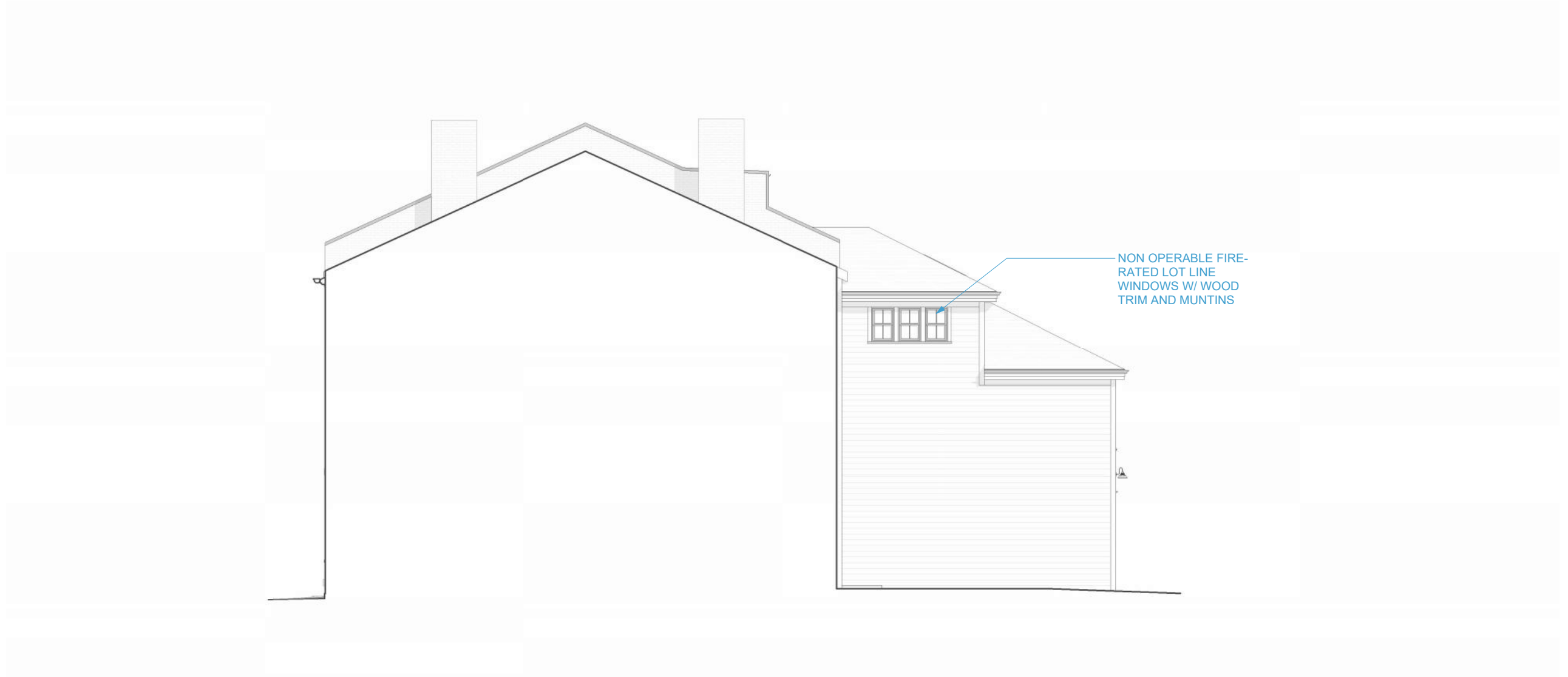


HDC APPROVED 05/04/2022

ROOF PLAN

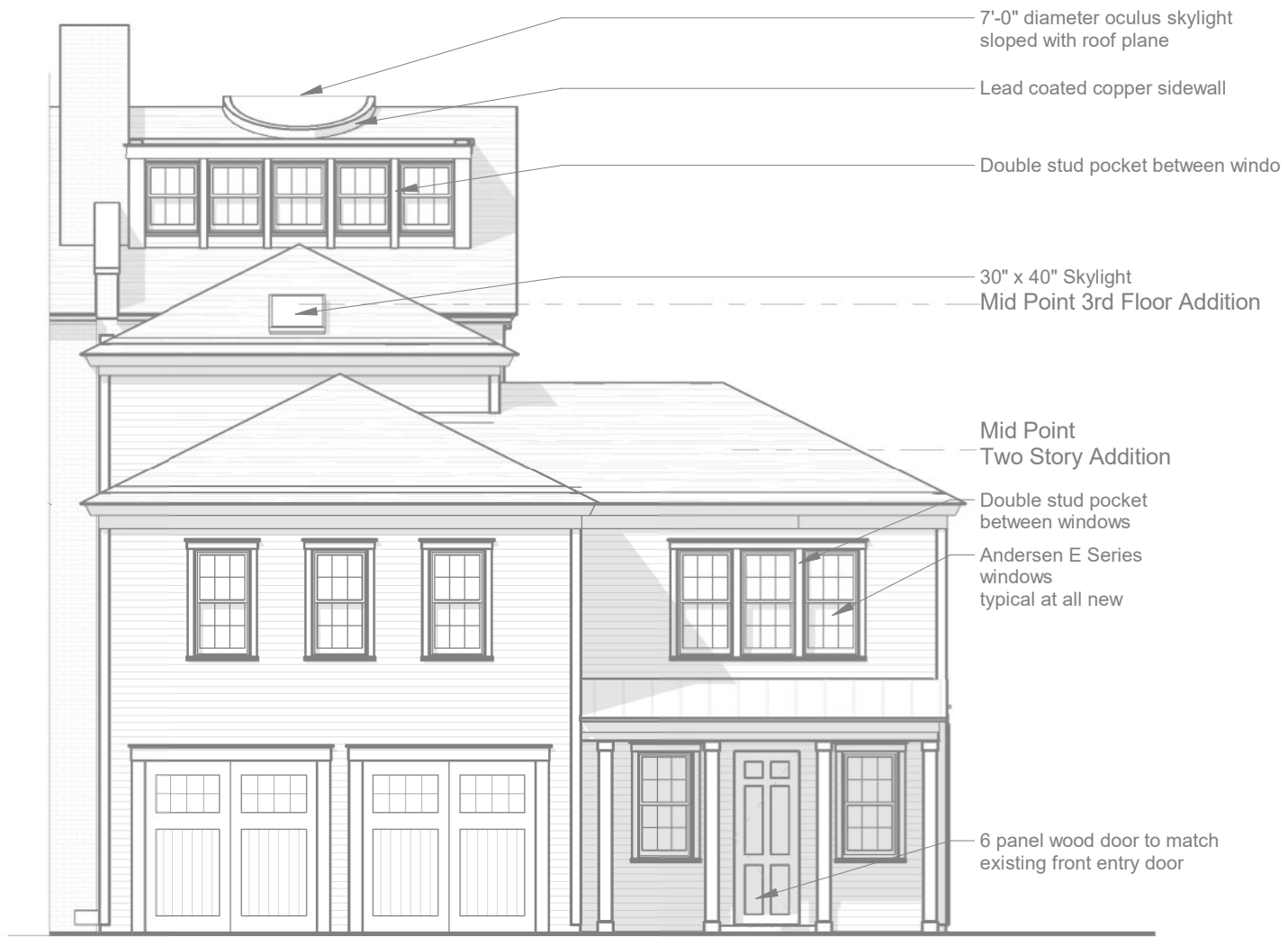


PROPOSED

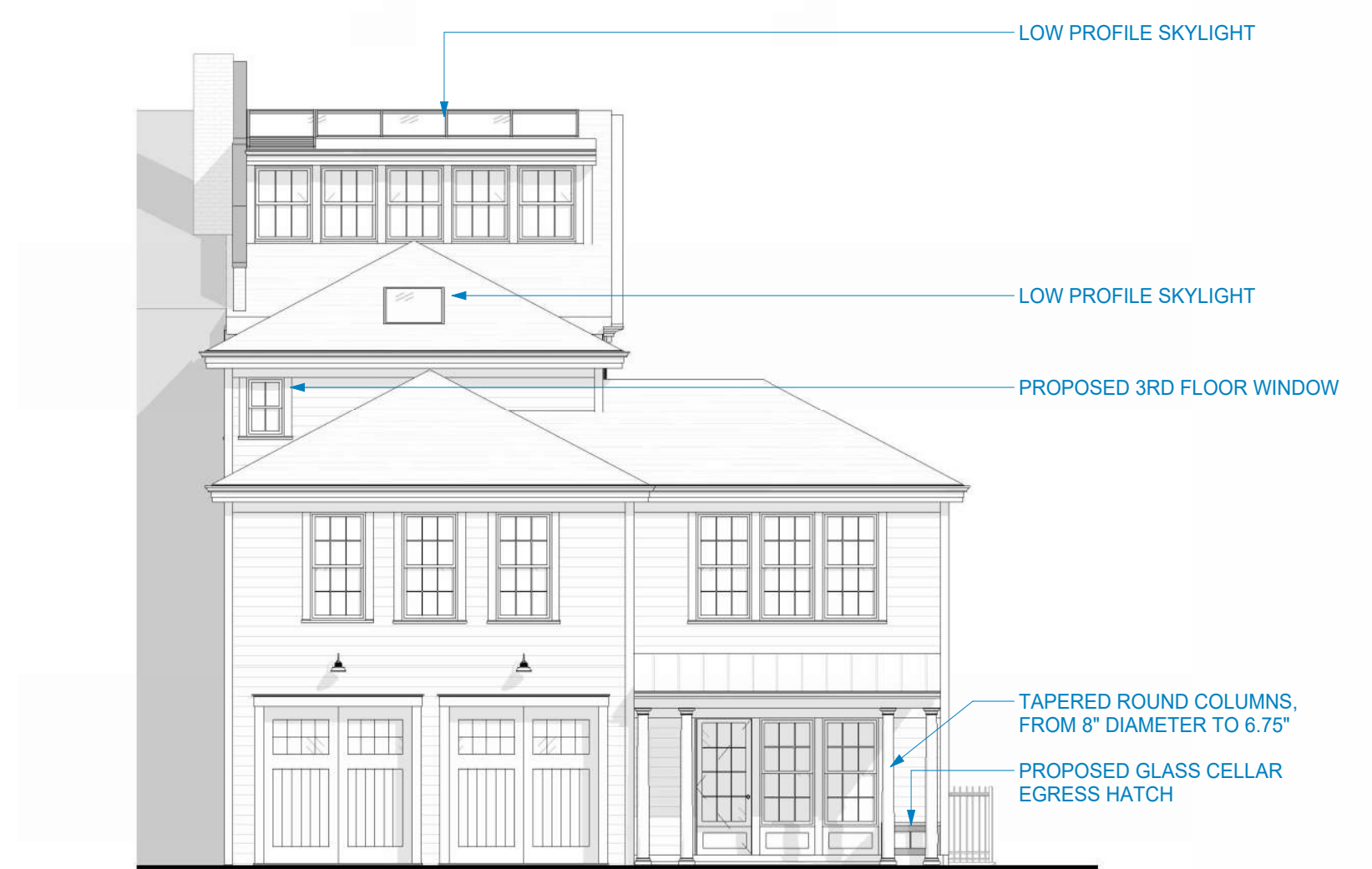


PROPOSED ELEVATION

EAST ELEVATION



HDC APPROVED 05/04/2022



PROPOSED ELEVATION

NORTH ELEVATION



HDC APPROVED 05/04/2022

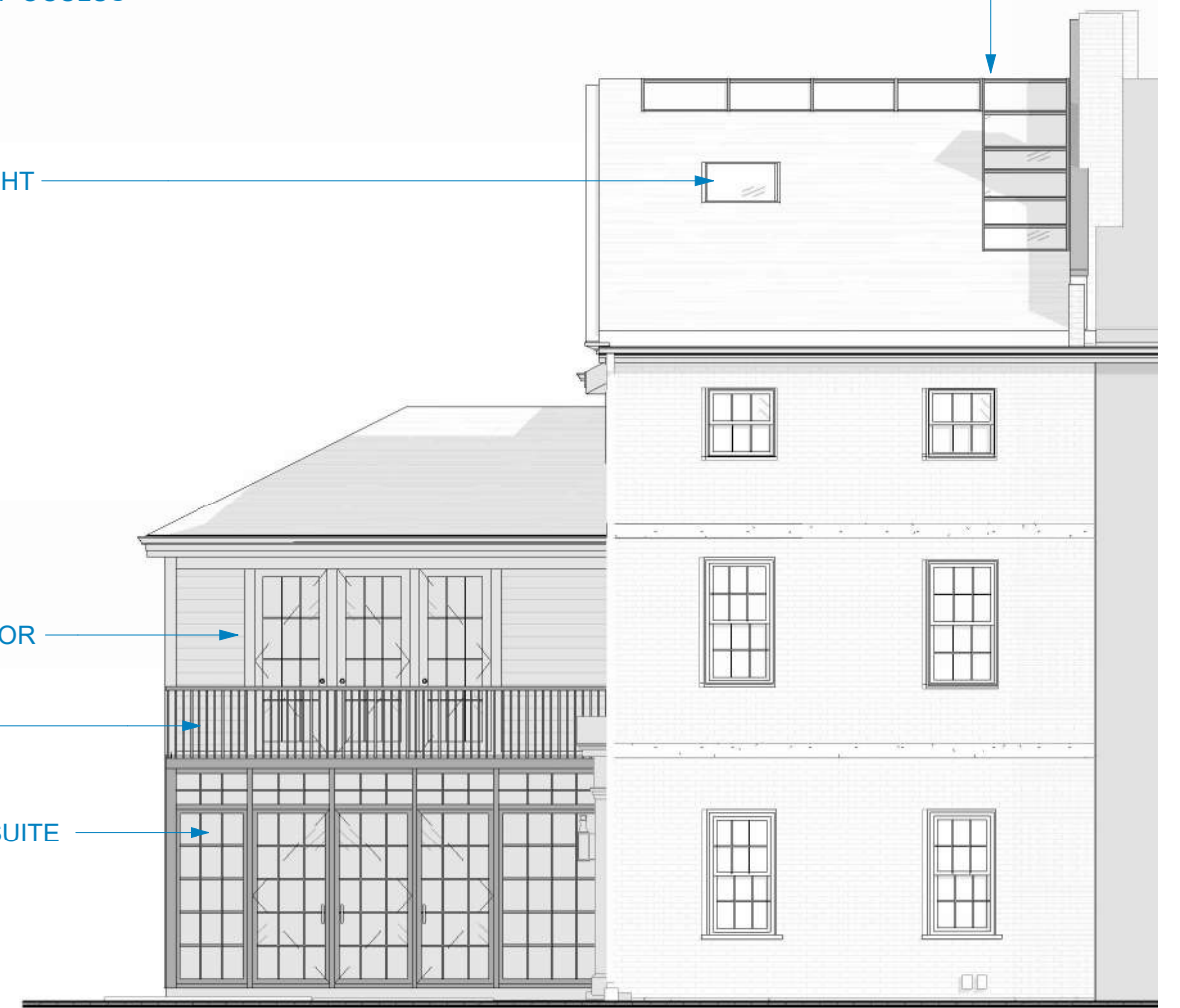
PROPOSED LOW-PROFILE SKYLIGHT INSTEAD OF OCULUS

LOW PROFILE SKYLIGHT

WOOD AND GLASS DOOR

STEEL RAILING

HOPES OLD WORLD SUITE STEEL SOLARIUM

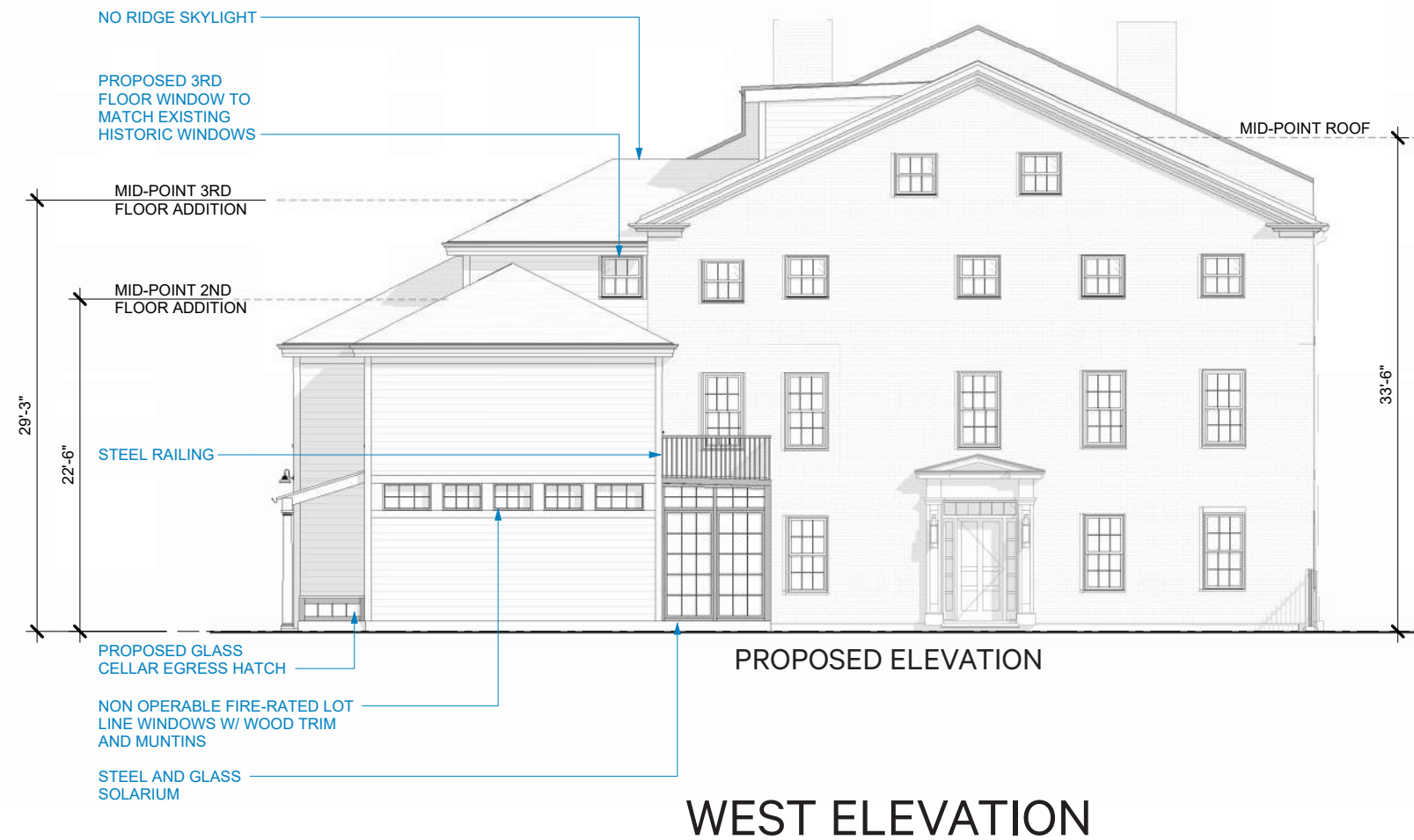


PROPOSED ELEVATION

SOUTH ELEVATION



HDC APPROVED 05/04/2022





Artistic Rendering - State Street Perspective

HDC APPROVED 05/04/2022



PROPOSED

VIEW FROM CORNER OF STATE STREET

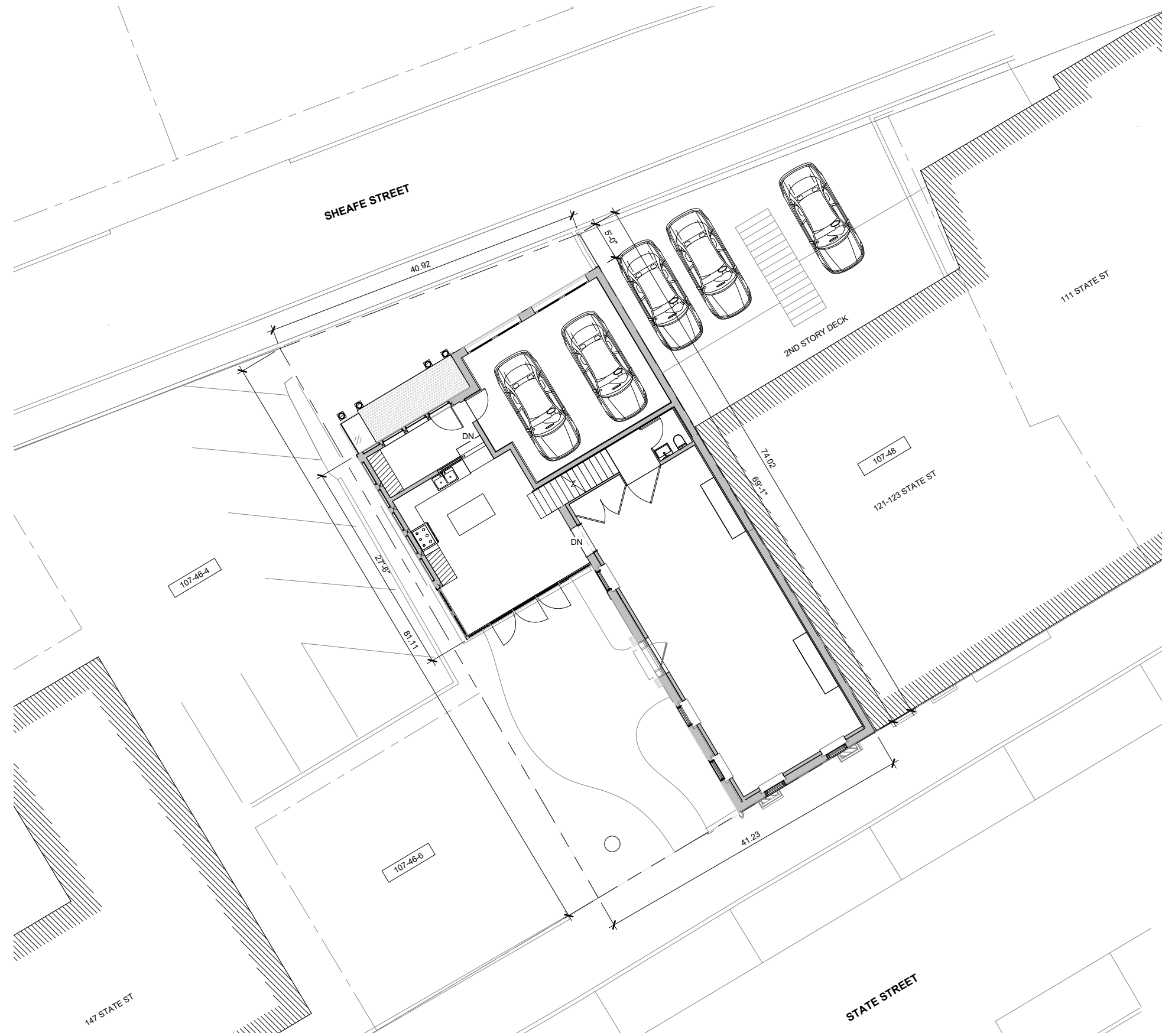


HDC APPROVED 05/04/2022

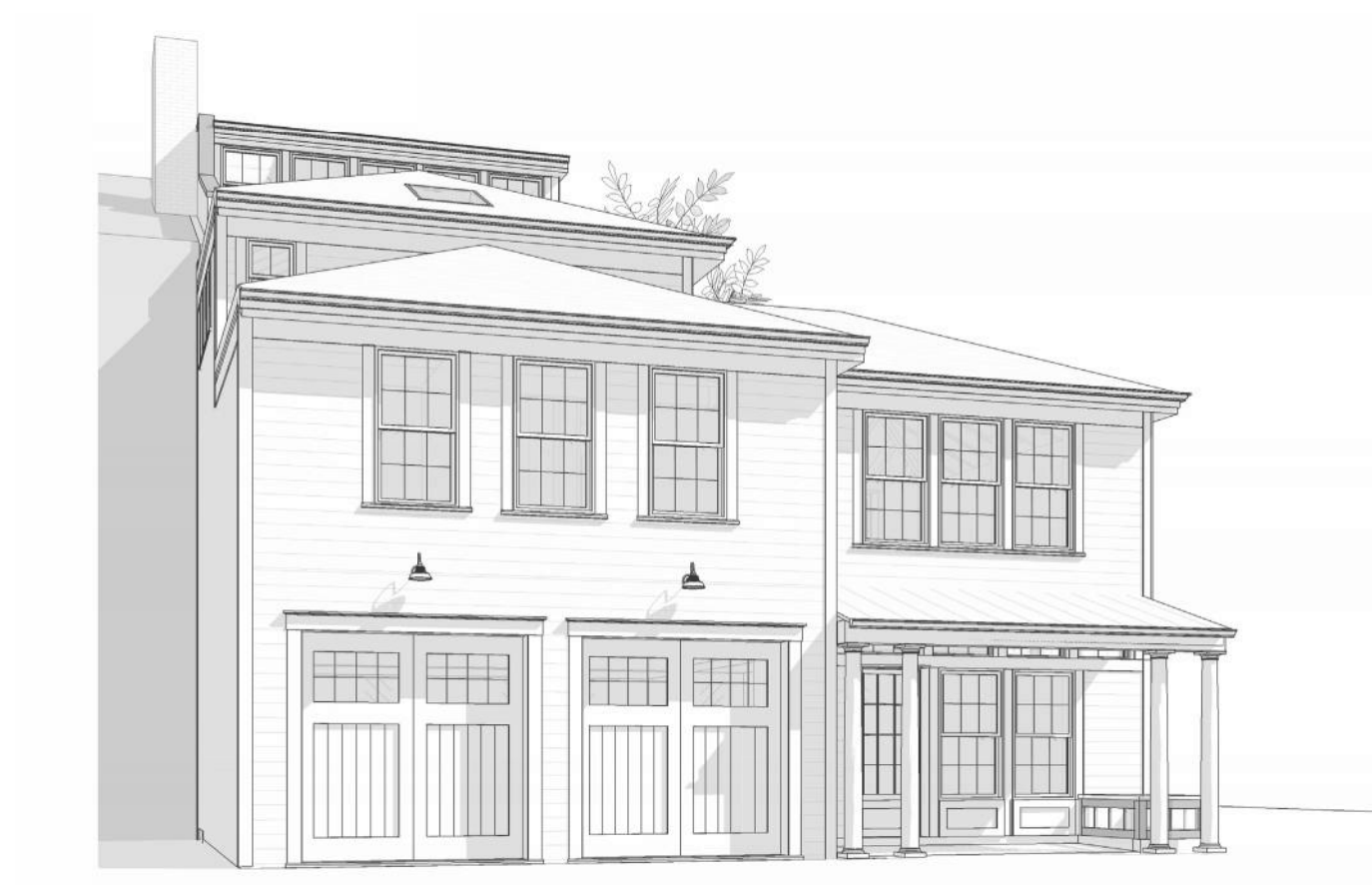


PROPOSED

VIEW FROM SHEAFE STREET



PARKING PLAN

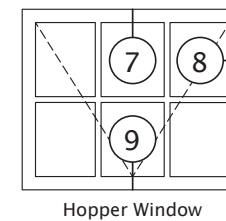
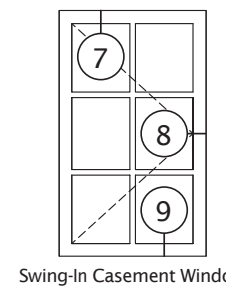
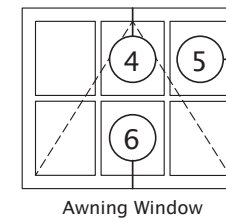
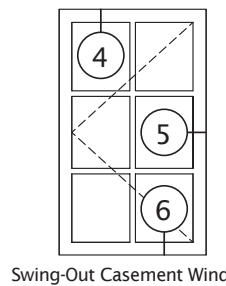
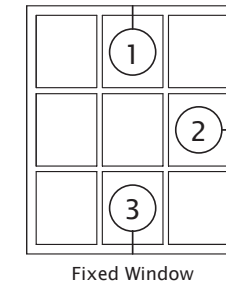
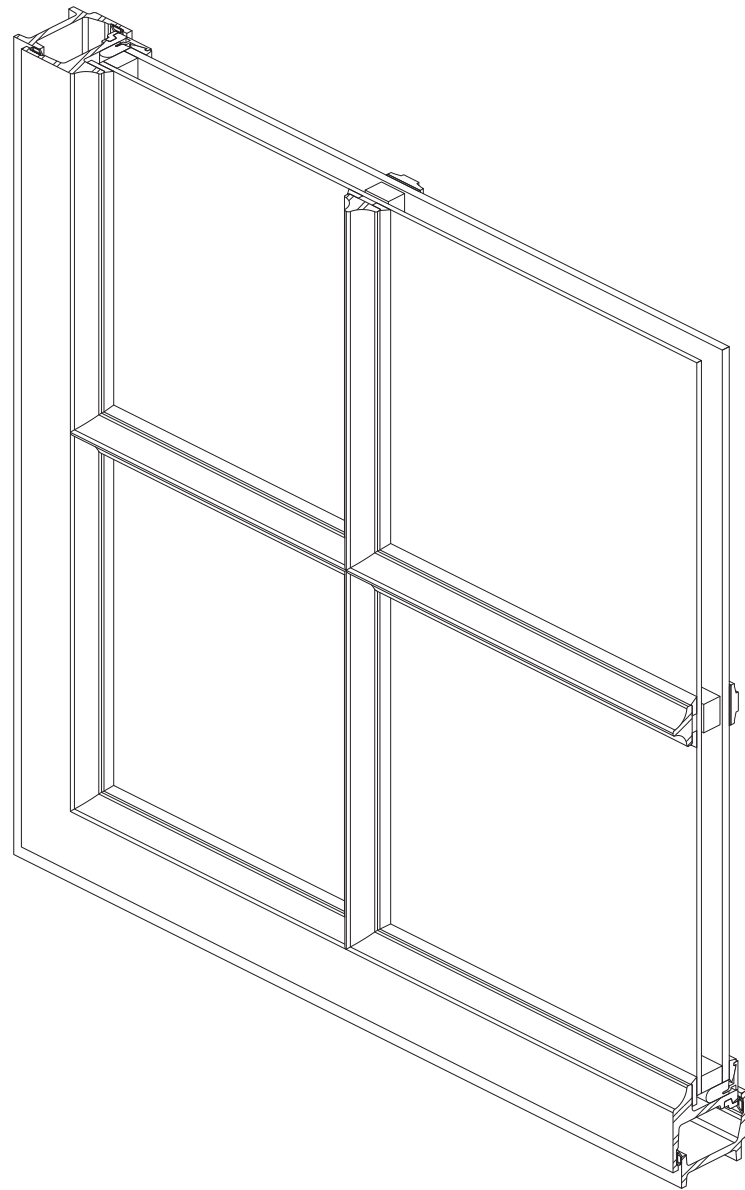


PROPOSED ALTERNATE - NO EAVE OVERHANG

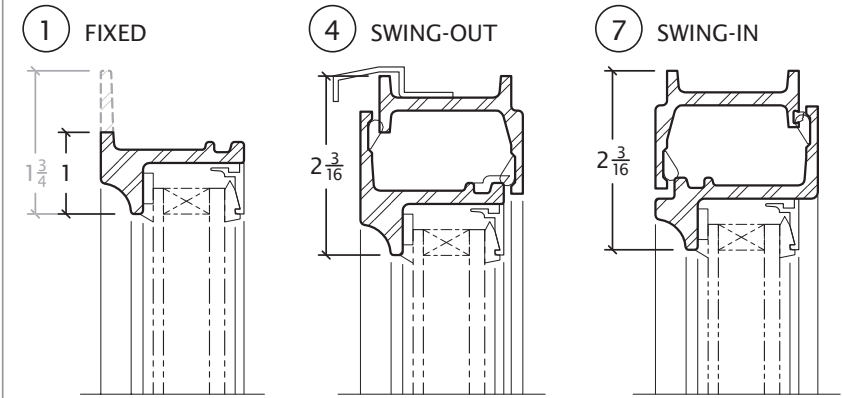
Hope's Old World Suite steel sections are specifically designed for projects calling for classical solid, hot-rolled steel windows with old world style three-point casement, or arrow-shaped, profiles. The fixed and operable configurations can be glazed with monolithic or insulated glass for energy efficiency. The unique window profiles and very narrow sightlines are ideal for new buildings as well as replacement projects.

PRODUCT FEATURES

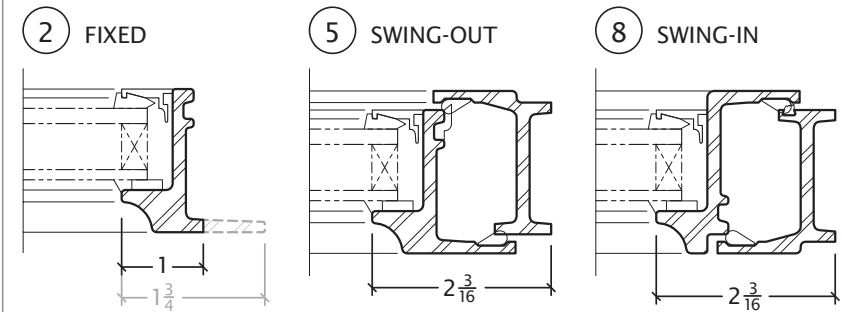
- Historically accurate sightlines and true divided lite or simulated divided lite muntins
- Unsurpassed strength of hot-rolled steel sections
- Accepts up to 7/8" thick insulating glass with simulated divided lites; up to 1/2" thick glass with true divided lites
- ASTM compliance for air infiltration and water penetration
- Hope's Power of 5 Finishing System with hot-dip galvanizing pretreatment
- Available with Hope's Thermal Evolution™ technology



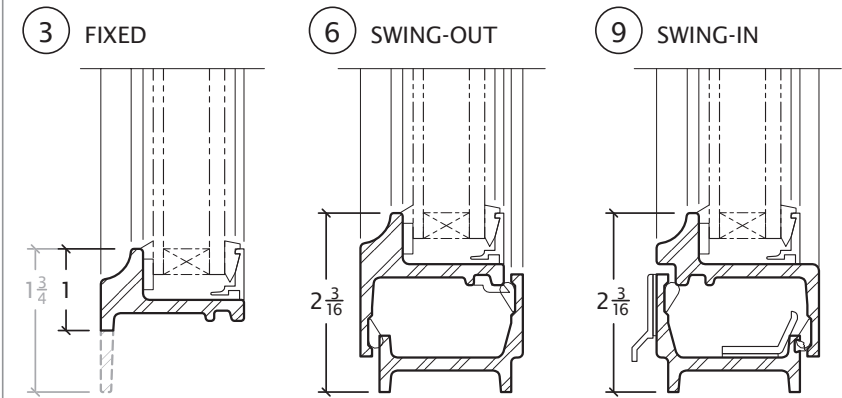
TYPICAL HEAD DETAILS




TYPICAL JAMB DETAILS



TYPICAL SILL DETAILS



Details are half scale and shown inside glazed with 7/8" thick glass.
Perimeter frame profiles are available in long leg or equal leg configurations.
All Hope's products are custom manufactured to your specific project requirements.

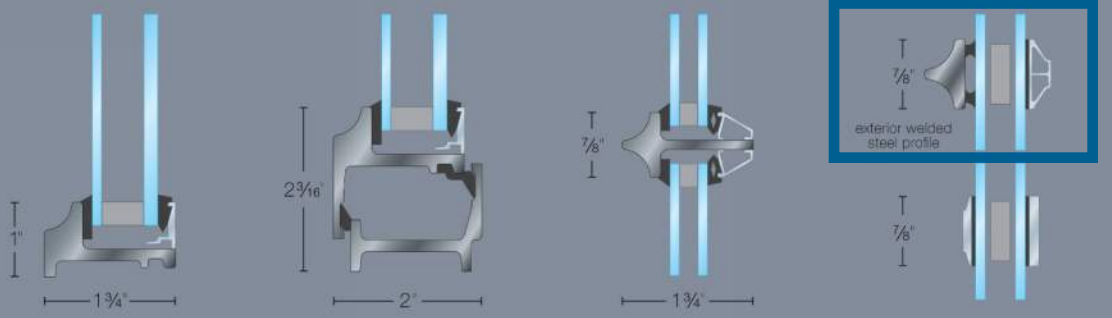



PRODUCT PERFORMANCE

- Meets or exceeds **air infiltration** test criteria in accordance with ASTM E283
- Meets or exceeds **water penetration** test criteria in accordance with ASTM E331
- Meets or exceeds **structural** test criteria in accordance with ASTM E330
- Meets or exceeds **forced entry** test criteria in accordance with ASTM F588
- Impact-rated product meets or exceeds **missile impact and cyclic pressure** test criteria in accordance with ASTM E1886
- Impact-rated product meets or exceeds **hurricane windborne debris** test criteria in accordance with ASTM E1996

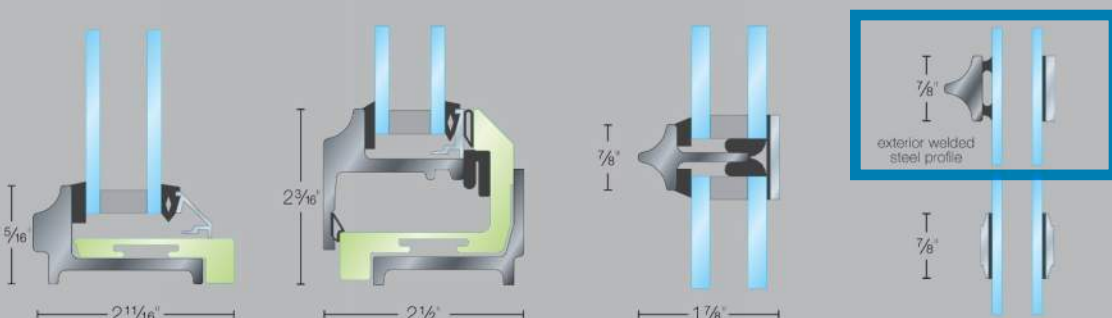
Consult Hope's to review applicable testing and design performance data for your specific project.

STANDARD PROFILES



FIXED **OPERABLE** **TRUE DIVIDED LITE** **SIMULATED DIVIDED LITE**

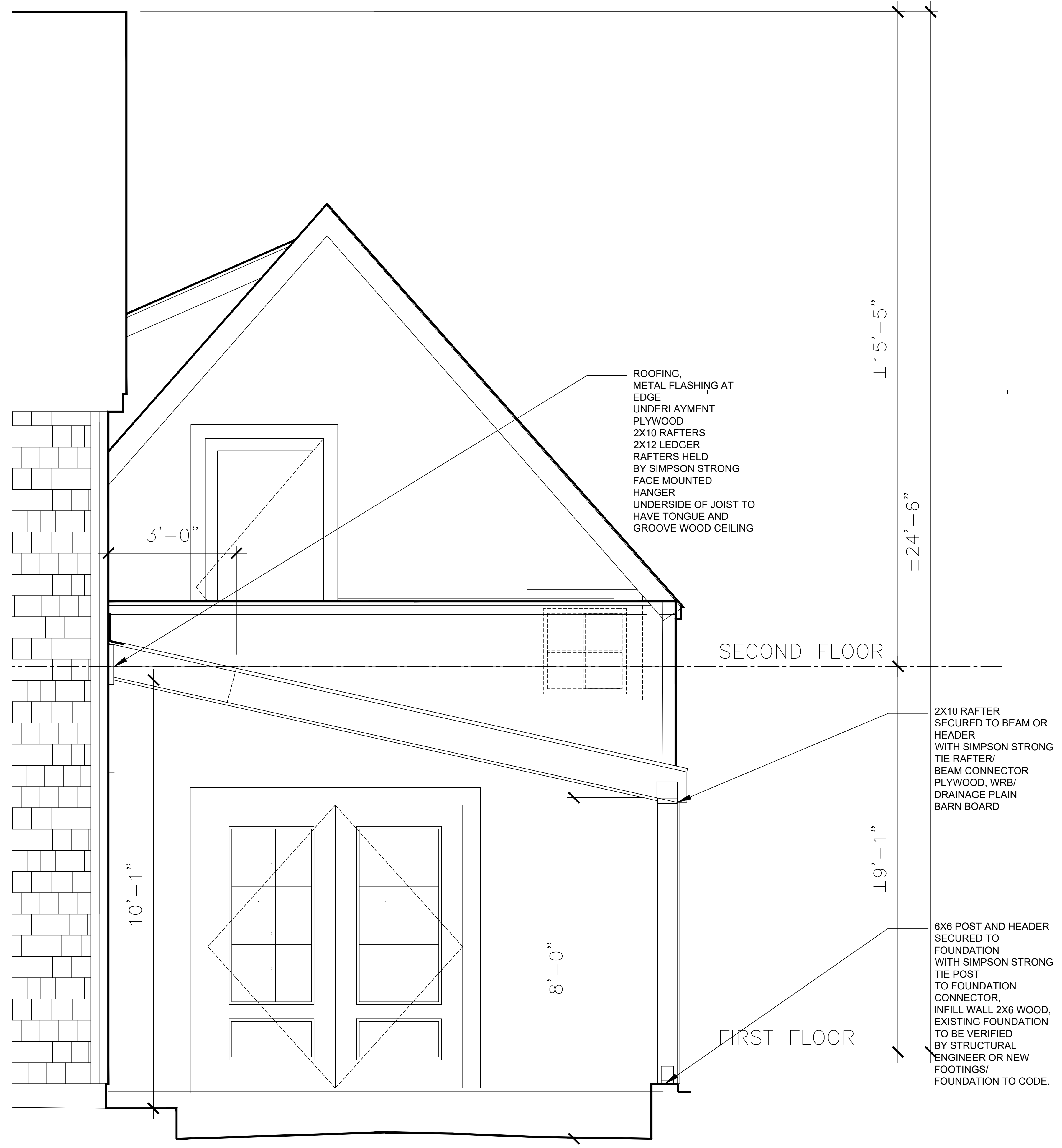
THERMAL PROFILES



THERMAL FIXED **THERMAL OPERABLE** **THERMAL TRUE DIVIDED LITE** **THERMAL SIMULATED DIVIDED LITE**



Photo: Connie Zhou



1 NEW ADDITION SECTION

SCALE - 3/4" = 1'-0"

#	DATE	DESCRIPTION

**PERMIT APPLICATION PACKAGE
TO INSTALL
NEW SOLAR PANELS
FOR
MICHAEL MYERS
700 MIDDLE STREET
PORTSMOUTH, NEW HAMPSHIRE**

Thomas M. Callery



Callery Consulting, LLC
PO Box 607
Pelham, New Hampshire 03076

*Callery Consulting, LLC
P.O. Box 607
Pelham, NH 03076
603-508-0037
mcal0904@comcast.net*

August 30, 2023

City of Portsmouth, New Hampshire
Inspection Department
Mr. Shanti Wolph, Chief Building Inspector
1 Junkins Avenue
Portsmouth, New Hampshire 03801

*Subject: Michael Myers Solar Installation
700 Middle Street, Portsmouth, New Hampshire*

Dear Mr. Wolph:

Attached please find all supporting calculations, sketches, details, photographs and supporting data for the installation of solar panels on the roof of the subject property. All calculations were performed in accordance with the “*International Residential Code*” (IRC) 2018. The roof snow load was determined by utilizing the data found in “*Ground Snow Loads for New Hampshire*” by the US Army Corps of Engineers, 2002.


A total of (26) solar panels (3 Arrays) are proposed to be installed on the roof of the house.

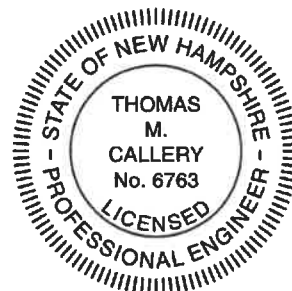
The existing roof structures consists of 2”x6” (True) wood rafters spaced @ 24” on center. The roof pitch varies-see calculations. The maximum horizontal unsupported span length is 11’-6”.

Structural calculations for the roof structures indicate that **STRUCTURAL MODIFICATIONS ARE NOT NEEDED** to carry the additional weight of the solar array (3 PSF) plus all specified snow, live and dead loads.

If you have any questions or require more information, please do not hesitate to contact me.

Sincerely,


Thomas M. Callery, P.E.
Professional Civil Engineer
NH #6763



PHOTOGRAPHS
SKETCHES/MEASUREMENTS
OF
EXISTING STRUCTURE

Callery Consulting, LLC
PO Box 607
Pelham, New Hampshire 03076

SCOPE OF WORK

SYSTEM SIZE: 10.53kW DC, 7.54kW AC
MODULES: (26) HANWHA Q. CELLS Q.PEAK DUO BLK ML-G10+ 405W
INVERTERS: (26) ENPHASE IQ8PLUS-72-2-US MICROINVERTERS
RACKING: IRONRIDGE AIRE RAIL A1
ATTACHMENT: IRONRIDGE AIRE DOCK, WITH L-FOOT

ARRAY TILT: **ARRAY AZIMUTH:**
 #1 - 44° #1 - 195°
 #2 - 9° #2 - 195°
 #3 - 28° #3 - 195°

ELECTRICAL INFORMATION
 UTILITY COMPANY: EVERSOURCE
 MAIN SERVICE AMPERAGE: 200A

BUILDING INFORMATION: TWO STORY HOUSE
 APN #: PRSMM0148B0029L
 ROOF TYPE: COMP. SHINGLE
 NUMBER OF LAYERS: 01
 ROOF RAFTERS: 2"X6" @ 24" O.C.

CODE SUMMARY

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODE
 2018 FIRE CODE AS AMENDED BY SAF-FMO 300
 2018 INTERNATIONAL BUILDING CODE (IBC)
 2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 2018 INTERNATIONAL MECHANICAL CODE (IMC)
 2018 INTERNATIONAL PLUMBING CODE (IPC)
 2020 NATIONAL ELECTRICAL CODE (NEC)
 STATE FIRE CODE SAF-C 6000


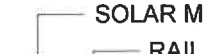





















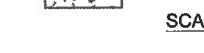


SHEET INDEX

PV-0	COVER SHEET
PV-1	SITE PLAN
PV-2	ARRAY DETAIL
PV-2A	STRING LAYOUT
PV-3	ATTACHMENT DETAILS
PV-4	ELECTRICAL LINE DIAGRAM
PV-5	ELECTRICAL CALCULATION
PV-6	PLACARDS
PV-7+	MANUFACTURER SPEC SHEET

GENERAL NOTES:

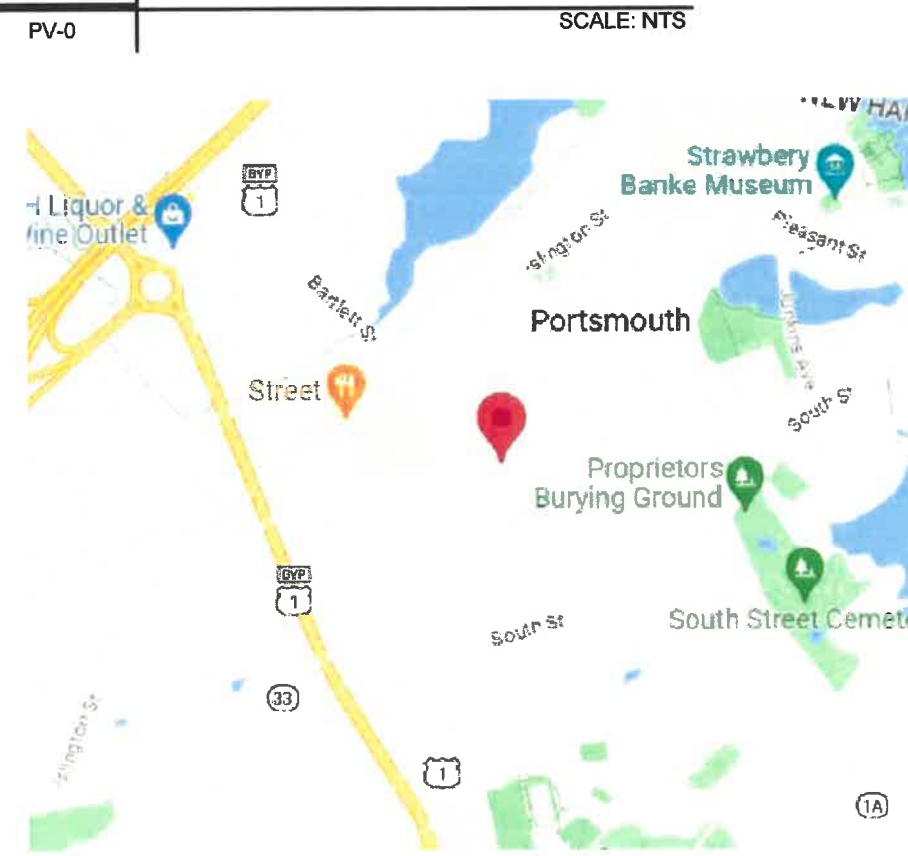
- PV INSTALLATION COMPLIES WITH THE NEC 2020 ARTICLE 690.12(B)(2).
- PHOTOVOLTAIC SYSTEM IS UNGROUNDED. NO CONDUCTORS ARE SOLIDLY GROUNDED IN THE INVERTER. SYSTEM COMPLIES WITH 690.35.
- MODULES CONFORM TO AND ARE LISTED UNDER UL 1703.
- INVERTER CONFORMS TO AND IS LISTED UNDER UL 1741.
- RACKING CONFORMS TO AND IS LISTED UNDER UL 2703.
- RAPID SHUTDOWN REQUIREMENTS MET WHEN INVERTERS AND ALL CONDUCTORS ARE WITHIN ARRAY BOUNDARIES PER NEC 690.12(1).
- CONSTRUCTION FOREMAN TO PLACE CONDUIT RUN PER 690.31(G).
- ARRAY DC CONDUCTORS ARE SIZED FOR DERATED CURRENT.
- 11.17 AMPS MODULE SHORT CIRCUIT CURRENT.
- 17.43 AMPS DERATED SHORT CIRCUIT CURRENT [690.8 (a) & 690.8 (b)].

LEGEND AND ABBREVIATIONS

	UTILITY METER		SOLAR MODULES RAIL	A	AMPERE
	MAIN PANEL		STANDOFFS & FOOTINGS	AC	ALTERNATING CURRENT
	SUB-PANEL		CHIMNEY	AFCI	ARC FAULT CIRCUIT INTERRUPTER
	PV LOAD CENTER		ATTIC VENT	AZIM	AZIMUTH
	DEDICATED PV METER		FLUSH ATTIC VENT	COMP	COMPOSITION
	INVERTER(S) WITH INTEGRATED DC DISCONNECT AND AFCI		PVC PIPE VENT	DC	DIRECT CURRENT
	AC DISCONNECT(S)		METAL PIPE VENT	(E)	EXISTING
	DC DISCONNECT(S)		T-VENT	EXT	EXTERIOR
	FUSED AC DISCONNECT		SATELLITE DISH	FRM	FRAMING
	COMBINER BOX		PROPERTY LINE	INT	INTERIOR
	ENPHASE MICROINVERTER		INTERIOR EQUIPMENT SHOWN AS DASHED	LBW	LOAD BEARING WALL
	FIRE SETBACKS		HARDSCAPE	MAG	MAGNETIC
	ACCESS PATHWAY		SCALE: NTS	MSP	MAIN SERVICE PANEL
				NEW	NEW
				NTS	NOT TO SCALE
				OC	ON CENTER
				PRE-FAB	PRE-FABRICATED
				PSF	POUNDS PER SQUARE FOOT
				PV	PHOTOVOLTAIC
				TL	TRANSFORMERLESS
				TYP	TYPICAL
				V	VOLTS
				W	WATTS



1 | AERIAL VIEW



2 | VICINITY MAP



603 SOLAR
 24 CHARTER ST.
 EXETER, NH 03833
 (603) 570-2607

REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

MIKE MYERS
 700 MIDDLE STREET,
 PORTSMOUTH, NH 03801
 PHONE #: (603) 682-8321
 EMAIL: mike@jewettfarms.com
 10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
 JOEY

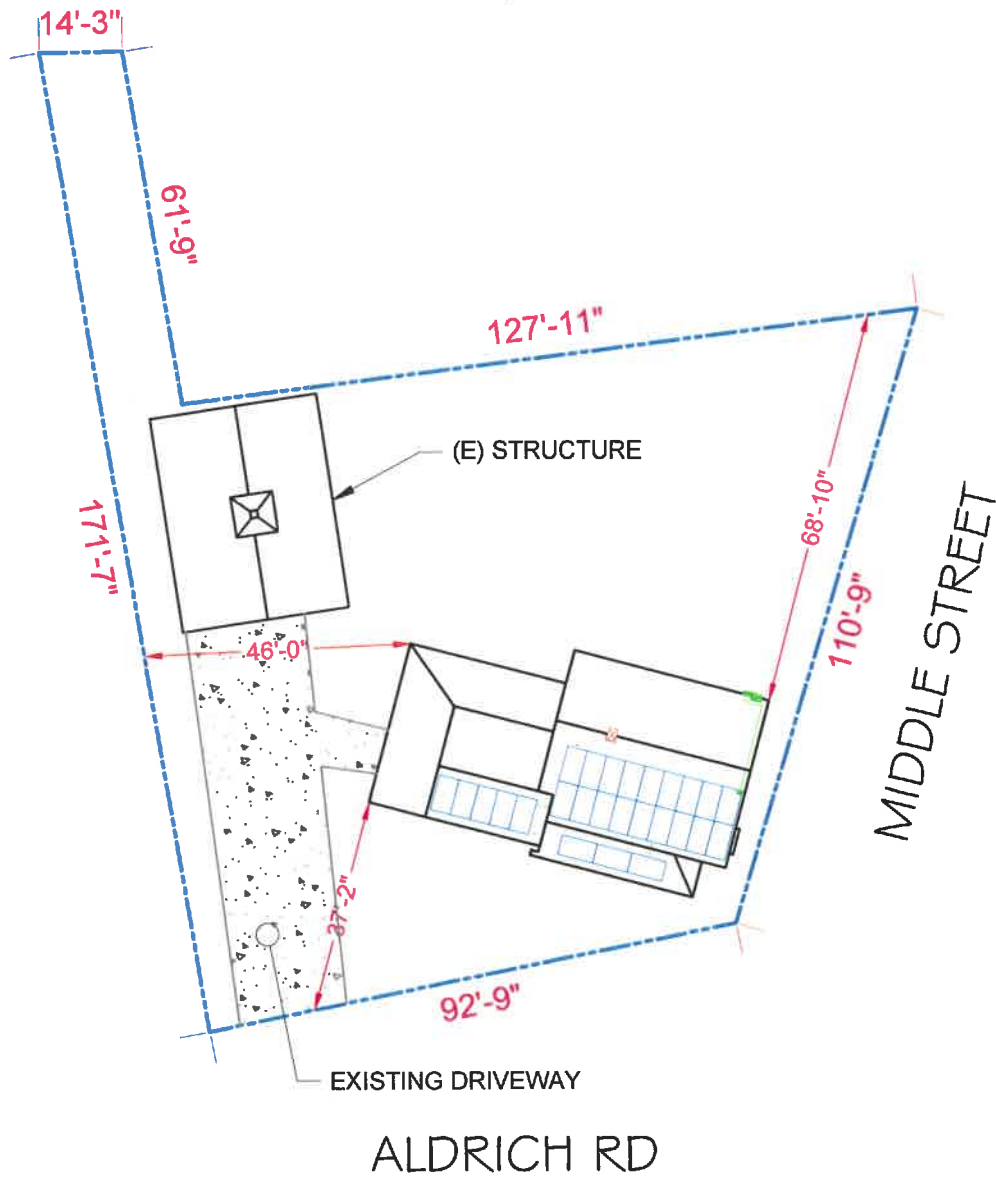
SHEET NAME
COVER SHEET

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-0

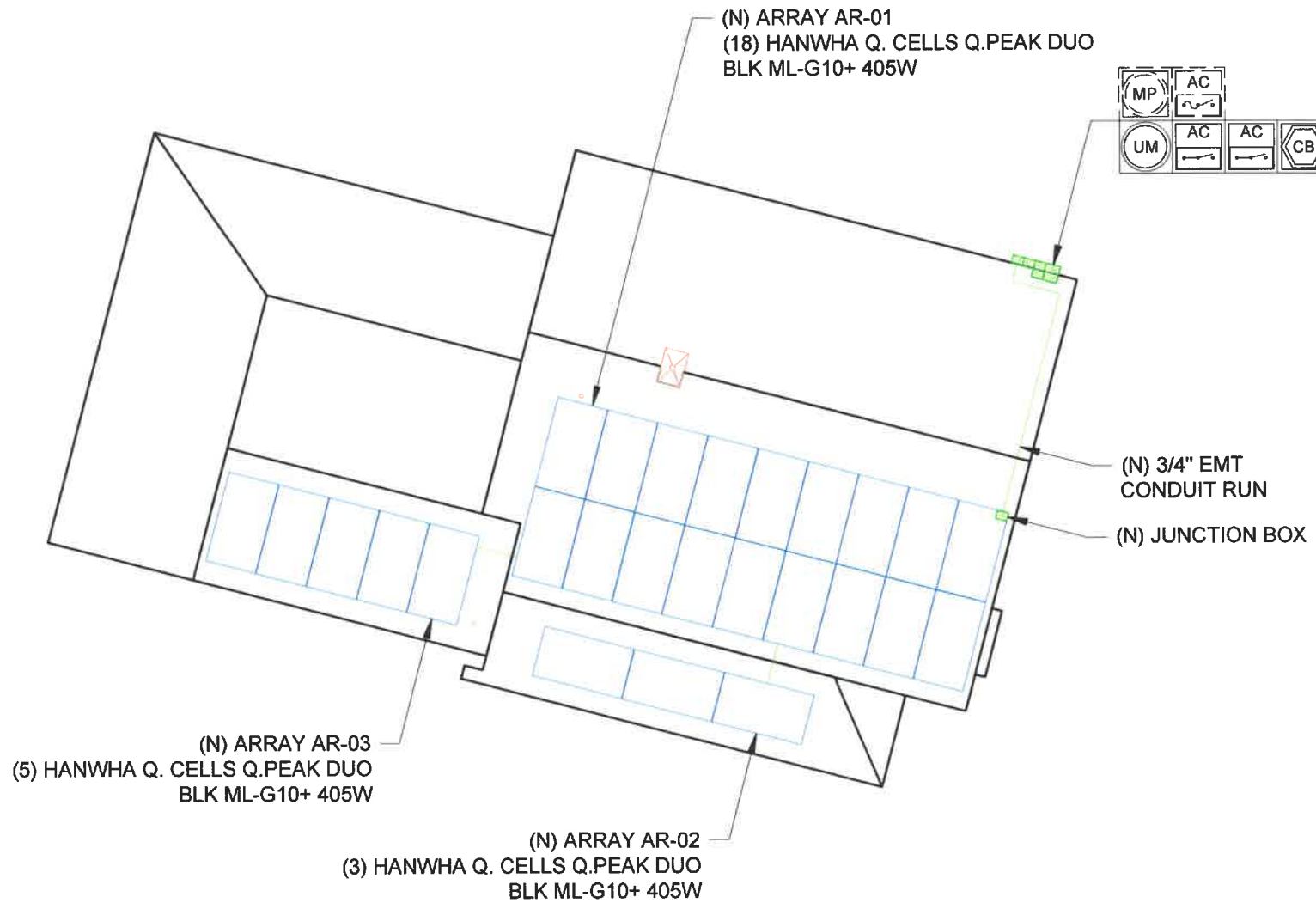
ADDITIONAL NOTE:

- THIS HOME IS IN THE HISTORIC DISTRICT.



1 SITE PLAN

PV-1 SCALE: 1/32" = 1'-0"



2 DETAIL VIEW

PV-1 SCALE: 3/32" = 1'-0"



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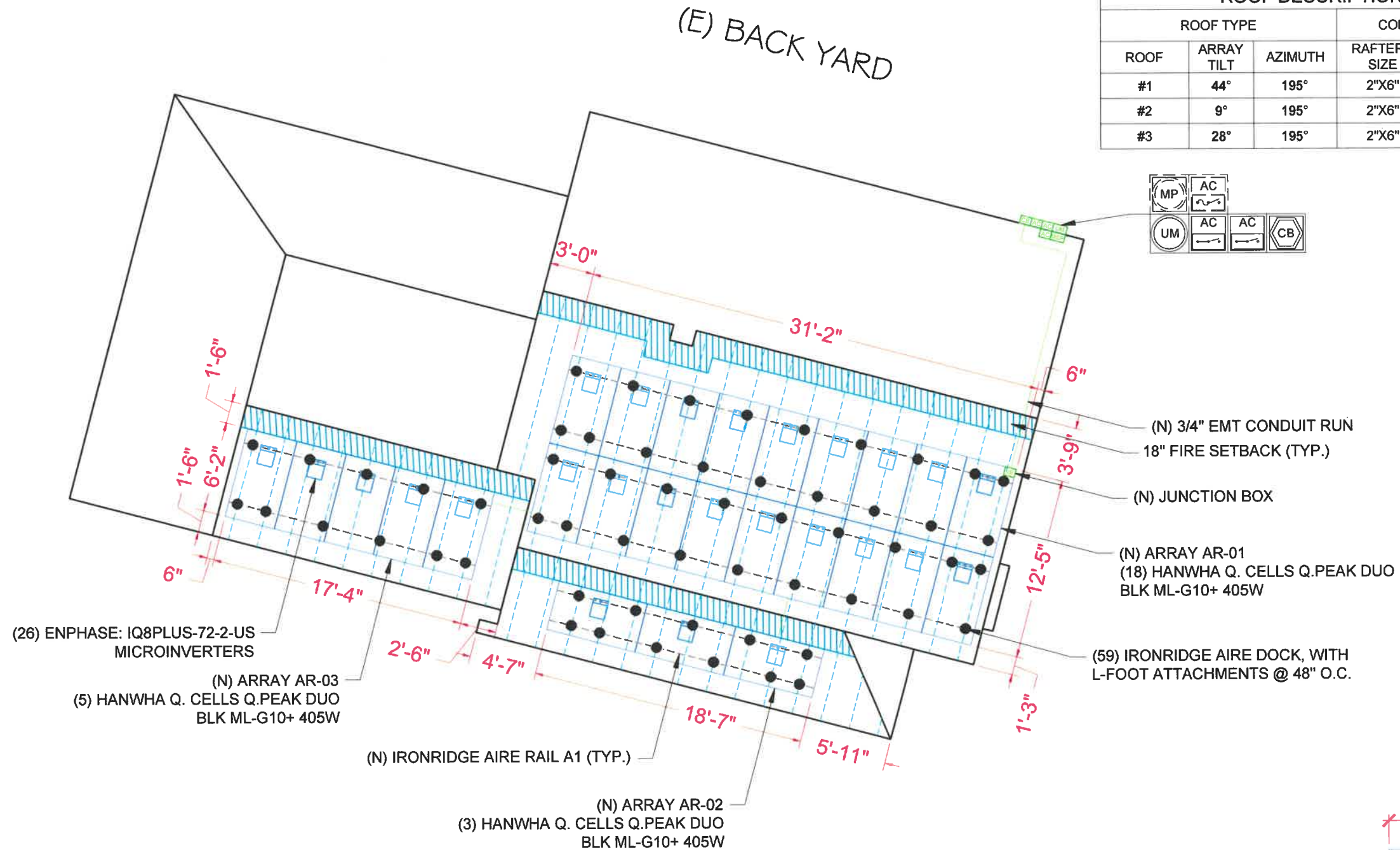
SHEET NAME
SITE PLAN

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-1

MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 26 MODULES
 MODULE TYPE = HANWHA Q. CELLS Q.PEAK DUO BLK ML-G10+ 405W
 MODULE WEIGHT = 48.5 LBS / 22.0 KG.
 MODULE DIMENSIONS = 74.0" x 41.1" = 21.12 SF
 UNIT WEIGHT OF ARRAY = 2.30 PSF



ARRAY AREA				
ROOF	# OF MODULES	ARRAY AREA (Sq. Ft.)	ROOF AREA (Sq. Ft.)	ROOF AREA COVERED BY ARRAY (%)
#1	18	549.12	2101	26.14
#2	3			
#3	5			
ROOF DESCRIPTION				
ROOF TYPE		COMP. SHINGLE		
ROOF	ARRAY TILT	AZIMUTH	RAFTERS SIZE	RAFTERS SPACING
#1	44°	195°	2"X6"	24" O.C.
#2	9°	195°	2"X6"	24" O.C.
#3	28°	195°	2"X6"	24" O.C.



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REVISIONS		
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PROJECT NAME & ADDRESS

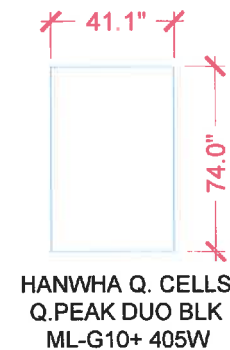
MIKE MYERS
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 PORTSMOUTH, NH 03801
 PHONE #: (603) 682-8321
 EMAIL: mike@jewettfarms.com
 10.53KW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
 JOEY

SHEET NAME
ARRAY DETAIL

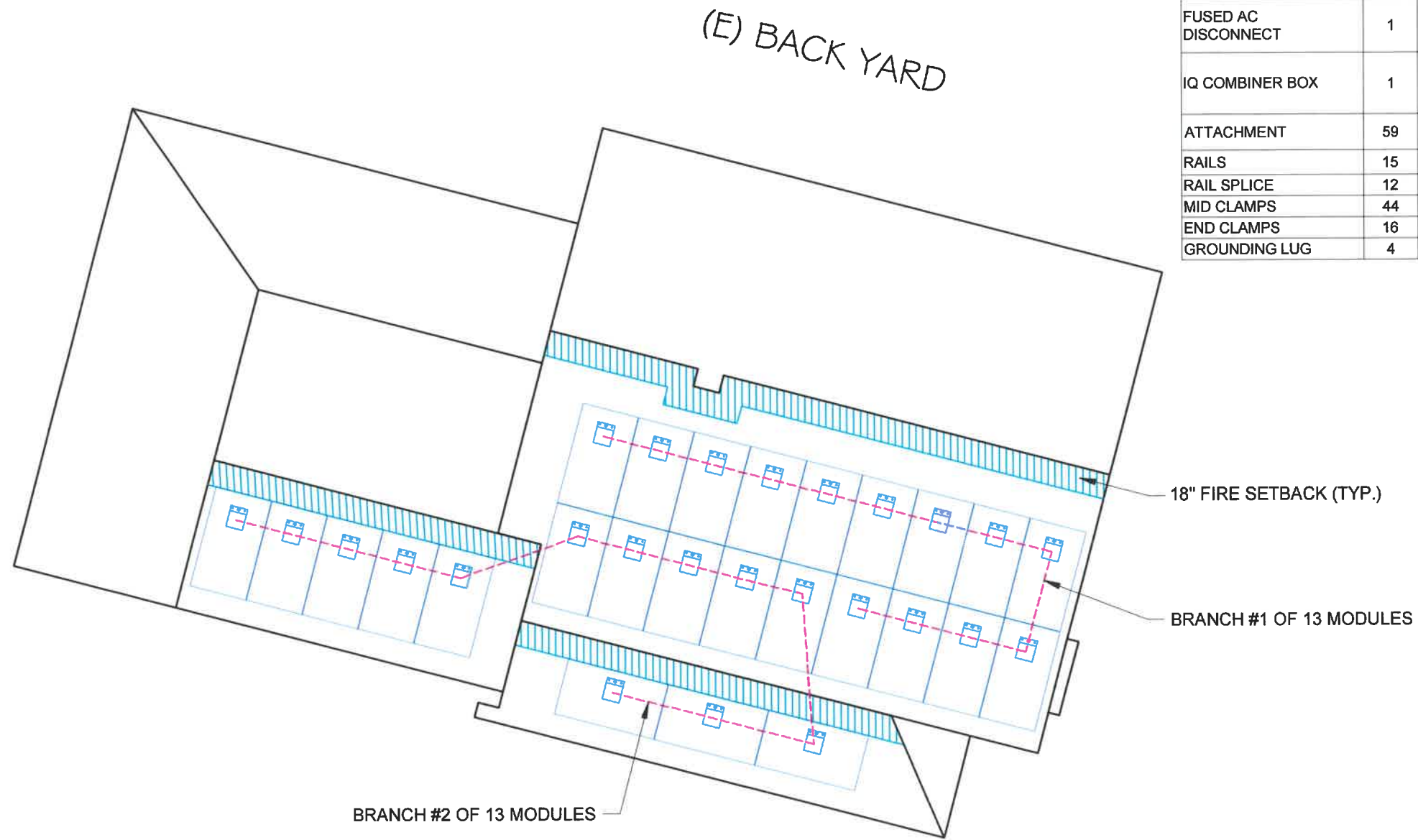
SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-2



(26) HANWHA Q. CELLS Q.PEAK DUO BLK ML-G10+ 405W MODULE

(2) BRANCH OF 13 MODULES CONNECTED IN PARALLEL



BILL OF MATERIALS

EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULE	26	HANWHA Q. CELLS Q.PEAK DUO BLK ML-G10+ 405W MODULES
INVERTER	26	ENPHASE: IQ8PLUS-72-2-US MICROINVERTERS
AC DISCONNECT	1	AC DISCONNECT: 240V, 60AMP, NEMA 3R, UL LISTED LOCKABLE AND NON-FUSIBLE
AC DISCONNECT	1	AC DISCONNECT: 240V, 60AMP, LOCKABLE KNIFE HANDLE DISCONNECT
FUSED AC DISCONNECT	1	AC DISCONNECT: 240V, 60AMP, FUSED NEMA 3R, UL LISTED WITH 40A FUSES
IQ COMBINER BOX	1	125A ENPHASE IQ COMBINER 4 BOX (X-IQ-AM1-240-4) WITH ENVOY COMMUNICATION GATEWAY
ATTACHMENT	59	IRONRIDGE AIRE DOCK, WITH L-FOOT ATTACHMENTS
RAILS	15	IRONRIDGE AIRE RAIL A1 170"
RAIL SPLICE	12	SPLICE KIT
MID CLAMPS	44	MID CLAMP
END CLAMPS	16	END CLAMP
GROUNDING LUG	4	IRONRIDGE LUG



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 EMAIL: mike@jewettfarms.com
 10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

JOEY

SHEET NAME

STRING LAYOUT

SHEET SIZE

**ANSI B
 11" X 17"**

SHEET NUMBER

PV-2A

1 | STRING LAYOUT

PV-2A | SCALE: 1/8" = 1'-0"

REVISIONS

DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

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PORTSMOUTH, NH 03801
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SALES PERSON

JOEY

SHEET NAME

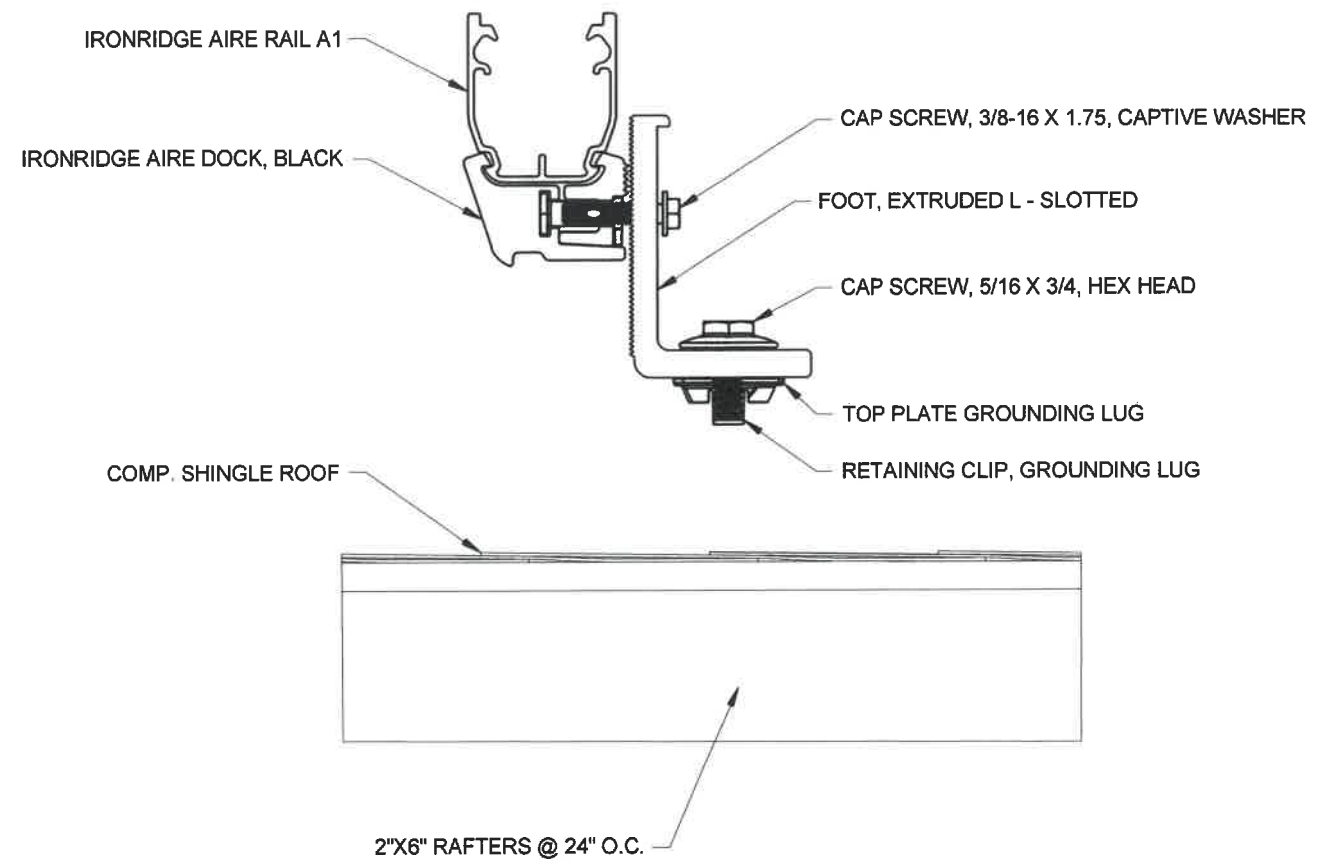
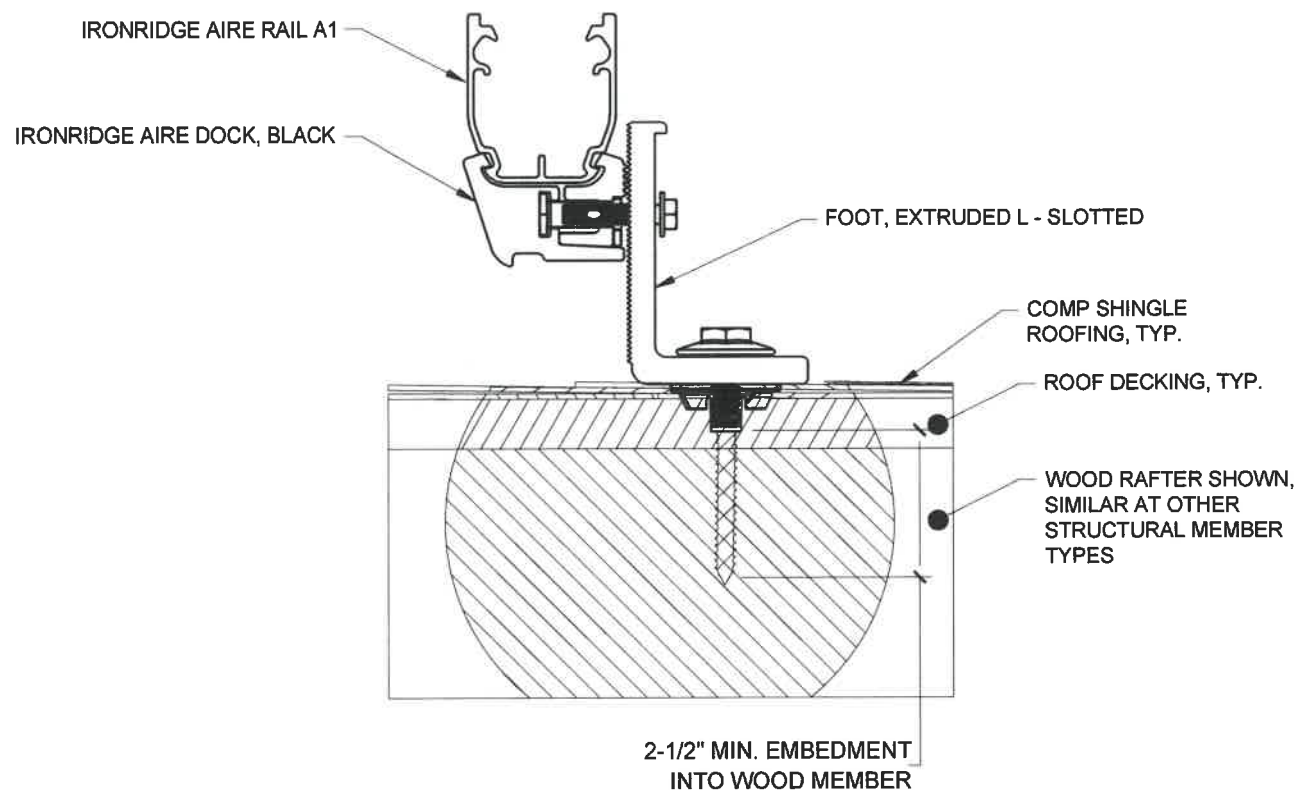
**ATTACHMENT
DETAILS**

SHEET SIZE

**ANSI B
11" X 17"**

SHEET NUMBER

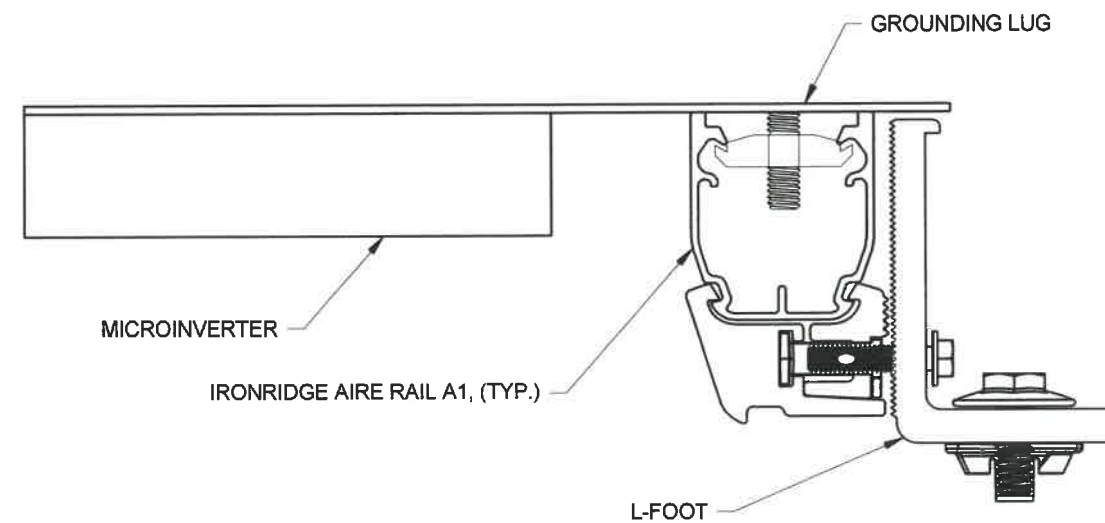
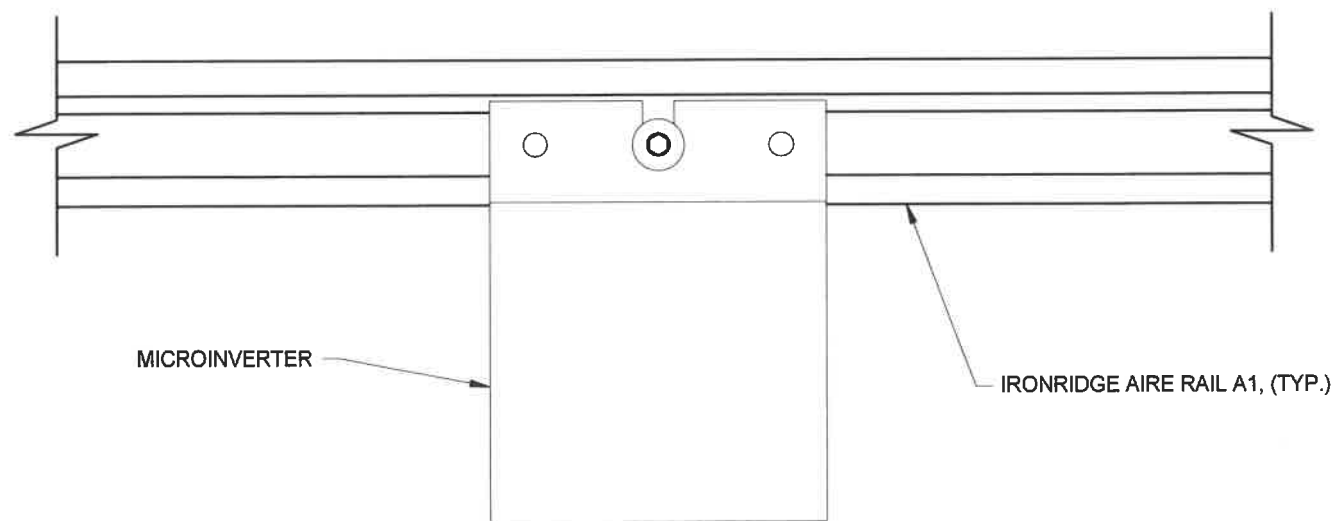
PV-3



1 ATTACHMENT DETAIL

PV-3

SCALE: NTS



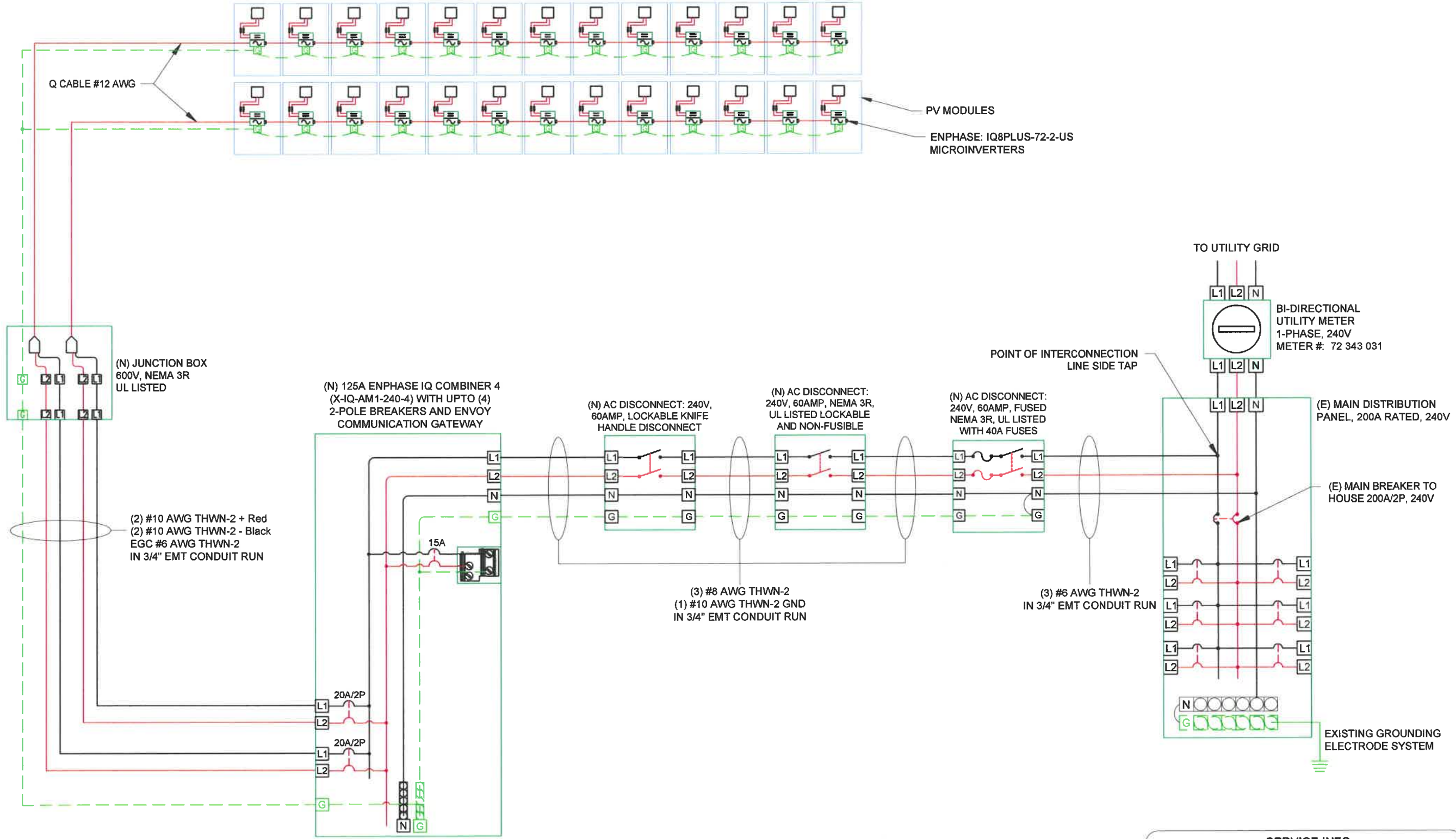
2 MICROINVERTER DETAIL

PV-3

SCALE: NTS

(26) HANWHA Q. CELLS Q.PEAK DUO BLK ML-G10+ 405W MODULE

(2) BRANCH OF 13 MODULES CONNECTED IN PARALLEL



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REVISIONS		
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 PHONE #: (603) 682-8321
 EMAIL: mike@jewettfarms.com
 10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
 JOEY

SHEET NAME
**ELECTRICAL
 LINE DIAGRAM**

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-4

SERVICE INFO	
UTILITY PROVIDER:	EVERSOURCE
MAIN SERVICE VOLTAGE:	240V
MAIN PANEL BRAND:	N/A
MAIN SERVICE PANEL:	200A
MAIN CIRCUIT BREAKER RATING:	200A
MAIN SERVICE LOCATION:	NORTH EAST WALL
SERVICE FEED SOURCE:	OVERHEAD

AC CONDUCTOR AMPACITY CALCULATIONS: FROM ROOF TOP JUNCTION BOX TO IQ COMBINER BOX

AMBIENT TEMPERATURE ADJUSTMENT FOR EXPOSED CONDUIT
PER NEC 310.15(B)(2)(c): + 22°
EXPECTED WIRE TEMP (°C): 31° + 22°
TEMP CORRECTION PER TABLE 310.15: 0.76
#OF CURRENT CARRYING CONDUCTORS: 4
CONDUIT FILL CORRECTION PER NEC 310.15(B)(2)(a): 0.80
CIRCUIT CONDUCTOR SIZE: 10 AWG
CIRCUIT CONDUCTOR AMPACITY: 40A

REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A&B):
1.25 X MAX AC OUTPUT CURRENT X # OF INVERTERS PER STRING
BRANCH #1 & #2 : 1.25 X 1.21 X 13 = 19.66A

DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC TABLE 310.15
TEMP CORR. PER NEC TABLE 310.15 X
CONDUIT FILL CORR. PER NEC 310.15(B)(2)(a) X
CIRCUIT CONDUCTOR AMPACITY = 0.76 X 0.80 X 40 = 24.32A

AC CONDUCTOR AMPACITY CALCULATIONS: FROM IQ COMBINER BOX TO FUSED AC DISCONNECT

EXPECTED WIRE TEMP (°C): 31°
TEMP CORRECTION PER NEC TABLE 310.15: 0.96
CIRCUIT CONDUCTOR SIZE: 8 AWG
CIRCUIT CONDUCTOR AMPACITY: 55A
#OF CURRENT CARRYING CONDUCTORS: 3
CONDUIT FILL PER NEC 310.15(B)(2)(a): 1
REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(B):
1.25 X OUTPUT CURRENT OF LOAD CENTER
1.25 X 1.21 X 26 = 39.33A

DERATED AMPACITY OF CIRCUIT CONDUCTORS PER NEC TABLE 310.15:
TEMP CORR. PER NEC 310.15 X
CONDUIT FILL CORR. PER NEC 310.15(B)(2)(a) X
CIRCUIT CONDUCTOR AMPACITY =
0.96 X 1.00 X 55 = 52.8A

ELECTRICAL NOTES

- NO DC CONDUCTORS PRESENT.
- ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION.
- ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT.
- WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY.
- ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION AND WHERE REQUIRED.
- MODULE SUPPORT RAIL TO BE BONDED TO COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE.

ENPHASE: IQ8PLUS-72-2-US MICROINVERTERS		
Input Data (DC)		
Recommended Input Power (STC)		235-440W +
Maximum Input DC Voltage		60V
Peak Power Tracking Voltage		27V-45V
Operating Range		16V-58V
Min. / Max. Start Voltage		22V / 58V
Max DC Short Circuit Current		25A
Output Data (AC)		
Maximum Output Power		290W
Nominal Output Current		1.21A
Nominal Voltage / Range		240V/211-264V
Nominal Frequency / Range		60 Hz
Extended Frequency / Range		47-68 Hz
Power Factor at rated power		1.0
Maximum unit per 20A Branch Circuit		13 (240 VAC)

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

AMBIENT TEMPERATURE SPECS	
RECORD LOW TEMP	-19°
AMBIENT TEMP (HIGH TEMP 2%)	31°
CONDUIT HEIGHT	0.5"
ROOF TOP TEMP	53°
CONDUCTOR TEMPERATURE RATE	90°



603 SOLAR
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REVISIONS

DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

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PORTSMOUTH, NH 03801
PHONE #: (603) 682-8321
EMAIL: mike@jewettfarms.com
10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

JOEY

SHEET NAME

**ELECTRICAL
CALCULATION**

SHEET SIZE

**ANSI B
11" X 17"**

SHEET NUMBER

PV-5

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

LABEL LOCATION:
 INVERTER(S), AC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).

! WARNING
DUAL POWER SUPPLY
 SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
 UTILITY SERVICE METER AND MAIN SERVICE PANEL.

! WARNING
INVERTER OUTPUT CONNECTION
 DO NOT RELOCATE THIS OVERCURRENT DEVICE

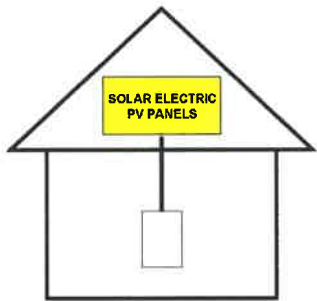
LABEL LOCATION:
 ADJACENT TO PV BREAKER (IF APPLICABLE).

! WARNING
PHOTOVOLTAIC SYSTEM COMBINER PANEL
 DO NOT ADD LOADS

LABEL LOCATION:
 PHOTOVOLTAIC AC COMBINER (IF APPLICABLE).

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.



LABEL LOCATION:
 ON OR NO MORE THAN 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.

PHOTOVOLTAIC AC DISCONNECT
 MAXIMUM AC OPERATING CURRENT: 39.33 AMPS
 NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
 AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION.

DATA PER PANEL

NOMINAL OPERATING AC VOLTAGE -	240	V
NOMINAL OPERATING AC FREQUENCY-	60	Hz
MAXIMUM AC POWER-	290	VA
MAXIMUM AC CURRENT-	1.21	A
MAXIMUM OVERCURRENT DEVICE RATING FOR AC MODULE PROTECTION PER CIRCUIT-	20	A

LABEL LOCATION:
 COMBINER BOX

NOTES AND SPECIFICATIONS:

- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE 2020 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.



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 10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
 JOEY

SHEET NAME
PLACARDS

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-6

powered by
Q.ANTUM DUO Z



Q.PEAK DUO BLK ML-G10+

385-405

ENDURING HIGH PERFORMANCE



BREAKING THE 20% EFFICIENCY BARRIER
Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.



THE MOST THOROUGH TESTING PROGRAMME IN THE INDUSTRY
Q CELLS is the first solar module manufacturer to pass the most comprehensive quality programme in the industry. The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.



INNOVATIVE ALL-WEATHER TECHNOLOGY
Optimal yields, whatever the weather with excellent low-light and temperature behavior.



ENDURING HIGH PERFORMANCE
Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING
High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT
Inclusive 25-year product warranty and 25-year linear performance warranty².

¹ APT test conditions according to IEC / TS 62804-1:2015, method A (-1500V, 96h)
² See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:



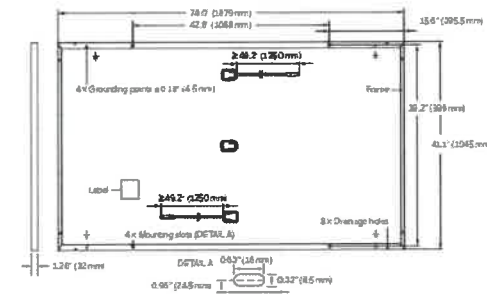
Rooftop arrays on residential buildings

Engineered in Germany



MECHANICAL SPECIFICATION

Format	74.0in x 41.1in x 1.26in (Including frame) (1879mm x 1045mm x 32mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0.13in (3.2mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodized aluminum
Cell	6 x 22 monocrystalline Q.ANTUM solar half cells
Junction Box	2.09-3.98in x 1.26-2.36in x 0.59-0.71in (53-101mm x 32-60mm x 15-18mm), IP67, with bypass diodes
Cable	4mm ² Solar cable (+) ≥49.2in (1250mm), (-) ≥49.2in (1250mm)
Connector	Stäubli MC4; IP68

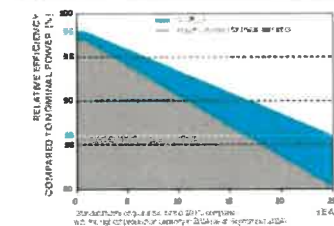


ELECTRICAL CHARACTERISTICS

POWER CLASS		385	390	395	400	405
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC ¹ (POWER TOLERANCE +5W / -0W)						
Power at MPP	P _{MPP} [W]	385	390	395	400	405
Short Circuit Current	I _{sc} [A]	11.04	11.07	11.10	11.14	11.17
Open Circuit Voltage	V _{oc} [V]	45.19	45.23	45.27	45.30	45.34
Current at MPP	I _{MPP} [A]	10.59	10.65	10.71	10.77	10.83
Voltage at MPP	V _{MPP} [V]	36.36	36.62	36.88	37.13	37.39
Efficiency ²	η [%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ¹						
Power at MPP	P _{MPP} [W]	288.8	292.6	296.3	300.1	303.8
Short Circuit Current	I _{sc} [A]	8.90	8.92	8.95	8.97	9.00
Open Circuit Voltage	V _{oc} [V]	42.62	42.65	42.69	42.72	42.76
Current at MPP	I _{MPP} [A]	8.35	8.41	8.46	8.51	8.57
Voltage at MPP	V _{MPP} [V]	34.59	34.81	35.03	35.25	35.46

¹ Measurement tolerances P_{MPP} ±3%; I_{sc}, V_{oc} ±5% at STC: 1000W/m², 25±2°C, AM 1.5 according to IEC 60904-3 + 800W/m², NMOT, spectrum AM 1.5

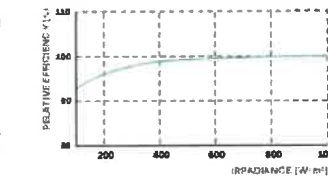
Q CELLS PERFORMANCE WARRANTY



At least 98% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m²)

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I _{sc}	α [%/K]	+0.04	Temperature Coefficient of V _{oc}	β [%/K]	-0.27
Temperature Coefficient of P _{MPP}	γ [%/K]	-0.34	Nominal Module Operating Temperature	NMOT [°F]	109±5.4 (43±3°C)

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage V _{sys} [V]	1000 (IEC) / 1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating [A DC]	20	Fire Rating based on ANSI / UL 61730	TYPE 2
Max. Design Load, Push / Pull ¹ [lbs/ft ²]	75 (3600Pa) / 55 (2660Pa)	Permitted Module Temperature on Continuous Duty	-40°F up to +185°F (-40°C up to +85°C)
Max. Test Load, Push / Pull ¹ [lbs/ft ²]	113 (5400Pa) / 84 (4000Pa)		

¹ See Installation Manual

QUALIFICATIONS AND CERTIFICATES

UL 61730, CE-compliant, Quality Controlled PV - TÜV Rheinland, IEC 61215 2016, IEC 61730 2016, U.S. Patent No. 9,893,215 (solar cells), QCPV Certification ongoing



PACKAGING INFORMATION

Horizontal packaging	78.4in / 1940mm	43.3in / 1100mm	48.0in / 1220mm	1656 lbs / 751 kg	24 pallets	24 pallets	32 modules
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Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

Hersteller: Q CELLS America Inc., 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL: +1 949 748 59 96 | EMAIL: inquiry@us.q-cells.com | WEB: www.q-cells.us



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24 CHARTER ST.
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REVISIONS		
DESCRIPTION	DATE	REV

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PORTSMOUTH, NH 03801
PHONE #: (603) 682-8321
EMAIL: mike@jewettfarms.com
10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
JOEY

SHEET NAME
DATA SHEET

SHEET SIZE
ANSI B
11" X 17"

SHEET NUMBER
PV-7

Specifications subject to technical changes © Q CELLS Q.PEAK DUO BLK ML-G10+ 385-405, 2021-01, Rev 01, NA



DATA SHEET



IQ8 and IQ8+ 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 superfast 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 IQ Battery, 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 Shutdown Equipment and conform with various regulations, when installed according to manufacturer's instructions.

*Only when installed with IQ System Controller 2, meets UL 1741.
 **IQ8 and IQ8Plus support split-phase, 240V installations only.

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) and IEEE 1547:2018 (UL 1741-SB 3rd Ed.)

Note:

IQ8 Microinverters cannot be mixed together with previous generations of Enphase microinverters (IQ7 Series, IQ6 Series, etc.) in the same system.

IQ8 and IQ8+ Microinverters

INPUT DATA (DC)		108-60-2-US	108PLUS-72-2-US
Commonly used module pairings ¹	W	235 - 350	235 - 440
Module compatibility		60-cell / 120 half-cell	54-cell / 108 half-cell, 60-cell / 120 half-cell, 66-cell / 132 half-cell and 72-cell / 144 half-cell
MPPT voltage range	V	27 - 37	27 - 45
Operating range	V	16 - 48	16 - 58
Min. / Max. start voltage	V	22 / 48	22 / 58
Max. input DC voltage	V	50	60
Max. continuous input DC current	A	10	12
Max. input DC short-circuit current	A		25
Max. module I _{sc}	A		20
Overvoltage class DC port			II
DC port backfeed current	mA		0
PV array configuration		1 x 1 Ungrounded array; No additional DC side protection required; AC side protection requires max 20A per branch circuit	
OUTPUT DATA (AC)		108-60-2-US	108PLUS-72-2-US
Peak output power	VA	245	300
Max. continuous output power	VA	240	290
Nominal (L-L) voltage / range ²	V		240 / 211 - 264
Max. continuous output current	A	1.0	1.21
Nominal frequency	Hz		60
Extended frequency range	Hz		47 - 68
AC short circuit fault current over 3 cycles	Arms		2
Max. units per 20 A (L-L) branch circuit ³		16	13
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	%		97.7
CEC weighted efficiency	%		97
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 (H x W x D)		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	
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, IEEE 1547:2018 (UL 1741-SB 3 rd Ed.), FCC Part 15 Class B, ICES-0003 Class B, CAN / CSA-C22.2 NO. 1071-01 This product is UL Listed as PV Rapid Shutdown 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) Pairing PV modules with wattage above the limit may result in additional clipping losses. See the compatibility calculator at <https://link.enphase.com/module-compatibility>.
 (2) Nominal voltage range can be extended beyond nominal if required by the utility. (3) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.



603 SOLAR
 24 CHARTER ST.
 EXETER, NH 03833
 (603) 570-2607

REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

MIKE MYERS
 700 MIDDLE STREET,
 PORTSMOUTH, NH 03801
 PHONE #: (603) 682-8921
 EMAIL: mike@jewettfarms.com
 10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON
 JOEY

SHEET NAME
DATA SHEET

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-8

Enphase IQ Combiner 4/4C

X-IQ-AM1-240-4
X-IQ-AM1-240-4C



X-IQ-AM1-240-4C

X-IQ-AM1-240-4



To learn more about Enphase offerings, visit enphase.com

The **Enphase IQ Combiner 4/4C** with Enphase IQ Gateway and integrated LTE-M1 cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure and streamlines IQ microinverters and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

Smart

- Includes IQ Gateway for communication and control
- Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), included only with IQ Combiner 4C
- Includes solar shield to match Enphase IQ Battery aesthetics and deflect heat
- Flexible networking supports Wi-Fi, Ethernet, or cellular
- Optional AC receptacle available for PLC bridge
- Provides production metering and consumption monitoring

Simple

- Centered mounting brackets support single stud mounting
- Supports bottom, back and side conduit entry
- Up to four 2-pole branch circuits for 240 VAC plug-in breakers (not included)
- 80A total PV or storage branch circuits

Reliable

- Durable NRTL-certified NEMA type 3R enclosure
- Five-year limited warranty
- Two years labor reimbursement program coverage included for both the IQ Combiner SKU's
- UL listed



Enphase IQ Combiner 4/4C

MODEL NUMBER

IQ Combiner 4 (X-IQ-AM1-240-4)

IQ Combiner 4 with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/- 2.5%). Includes a silver solar shield to match the IQ Battery system and IQ System Controller 2 and to deflect heat.

IQ Combiner 4C (X-IQ-AM1-240-4C)

IQ Combiner 4C with Enphase IQ Gateway printed circuit board for integrated revenue grade PV production metering (ANSI C12.20 +/- 0.5%) and consumption monitoring (+/- 2.5%). Includes Enphase Mobile Connect cellular modem (CELLMODEM-M1-06-SP-05), a plug-and-play industrial-grade cell modem for systems up to 60 microinverters. (Available in the US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, where there is adequate cellular service in the installation area.) Includes a silver solar shield to match the IQ Battery and IQ System Controller and to deflect heat.

ACCESSORIES AND REPLACEMENT PARTS

(not included, order separately)

Ensemble Communications Kit
COMMS-CELLMODEM-M1-06
CELLMODEM-M1-06-SP-05
CELLMODEM-M1-06-AT-05

- Includes COMMS-KIT-01 and CELLMODEM-M1-06-SP-05 with 5-year Sprint data plan for Ensemble sites
- 4G based LTE-M1 cellular modem with 5-year Sprint data plan
- 4G based LTE-M1 cellular modem with 5-year AT&T data plan

Circuit Breakers
BRK-10A-2-240V
BRK-15A-2-240V
BRK-20A-2P-240V
BRK-15A-2P-240V-B
BRK-20A-2P-240V-B

Supports Eaton BR210, BR215, BR220, BR230, BR240, BR250, and BR260 circuit breakers.
Circuit breaker, 2 pole, 10A, Eaton BR210
Circuit breaker, 2 pole, 15A, Eaton BR215
Circuit breaker, 2 pole, 20A, Eaton BR220
Circuit breaker, 2 pole, 15A, Eaton BR215B with hold down kit support
Circuit breaker, 2 pole, 20A, Eaton BR220B with hold down kit support

EPLC-01

Power line carrier (communication bridge pair), quantity - one pair

XA-SOLARSHIELD-ES

Replacement solar shield for IQ Combiner 4/4C

XA-PLUG-120-3

Accessory receptacle for Power Line Carrier in IQ Combiner 4/4C (required for EPLC-01)

XA-ENV-PCBA-3

Replacement IQ Gateway printed circuit board (PCB) for Combiner 4/4C

X-IQ-NA-HD 125A

Hold down kit for Eaton circuit breaker with screws.

ELECTRICAL SPECIFICATIONS

Rating	Continuous duty
System voltage	120/240 VAC, 60 Hz
Eaton BR series busbar rating	125 A
Max. continuous current rating	65 A
Max. continuous current rating (input from PV/storage)	64 A
Max. fuse/circuit rating (output)	90 A
Branch circuits (solar and/or storage)	Up to four 2-pole Eaton BR series Distributed Generation (DG) breakers only (not included)
Max. total branch circuit breaker rating (input)	80A of distributed generation / 95A with IQ Gateway breaker included
Envoy breaker	10A or 15A rating GE/Siemens/Eaton included
Production metering CT	200 A solid core pre-installed and wired to IQ Gateway
Consumption monitoring CT (CT-200-SPLIT)	A pair of 200 A split core current transformers

MECHANICAL DATA

Dimensions (WxHxD)	37.5 x 49.5 x 16.8 cm (14.75" x 19.5" x 6.63"). Height is 21.06" (53.5 cm) with mounting brackets.
Weight	7.5 kg (16.5 lbs)
Ambient temperature range	-40° C to +46° C (-40° to 115° F)
Cooling	Natural convection, plus heat shield
Enclosure environmental rating	Outdoor, NRTL-certified, NEMA type 3R, polycarbonate construction
Wire sizes	<ul style="list-style-type: none"> • 20 A to 50 A breaker inputs: 14 to 4 AWG copper conductors • 60 A breaker branch input: 4 to 1/0 AWG copper conductors • Main lug combined output: 10 to 2/0 AWG copper conductors • Neutral and ground: 14 to 1/0 copper conductors Always follow local code requirements for conductor sizing.
Altitude	To 2000 meters (6,560 feet)

INTERNET CONNECTION OPTIONS

Integrated Wi-Fi	802.11b/g/n
Cellular	CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modem). Note that an Enphase Mobile Connect cellular modem is required for all Ensemble installations.
Ethernet	Optional, 802.3, Cat5E (or Cat 6) UTP Ethernet cable (not included)

COMPLIANCE

Compliance, IQ Combiner	UL 1741, CAN/CSA C22.2 No. 107.1, 47 CFR, Part 15, Class B, ICES 003 Production metering: ANSI C12.20 accuracy class 0.5 (PV production) Consumption metering: accuracy class 2.5
Compliance, IQ Gateway	UL 60601-1/CANCSA 22.2 No. 61010-1

To learn more about Enphase offerings, visit enphase.com

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603 SOLAR
24 CHARTER ST.
EXETER, NH 03833
(603) 570-2607

REVISIONS

DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

MIKE MYERS
700 MIDDLE STREET,
PORTSMOUTH, NH 03801
PHONE #: (603) 682-6321
EMAIL: mike@jewettfarms.com
10.53kW DC PHOTOVOLTAIC SYSTEM

SALES PERSON

JOEY

SHEET NAME

DATA SHEET

SHEET SIZE

ANSI B
11" X 17"

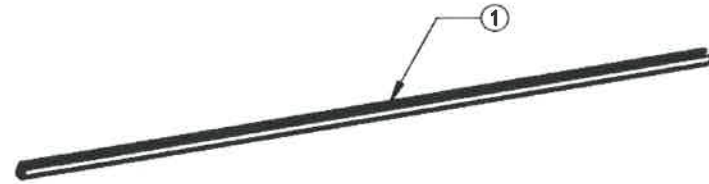
SHEET NUMBER

PV-9



AIRE RAIL A1

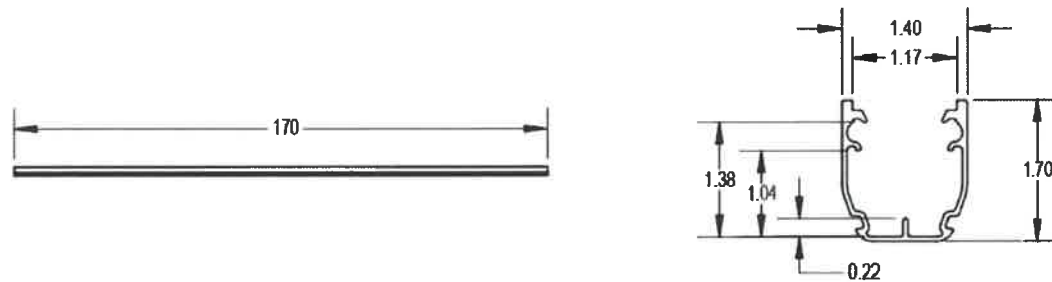
Cut Sheet



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Rail, A1, Black(or Clear), 170	1

Part Number	Description
AE-A1-170B	AIRE RAIL, A1, BLACK, 170
AE-A1-170M	AIRE RAIL, A1, MILL, 170

1) Aire A1



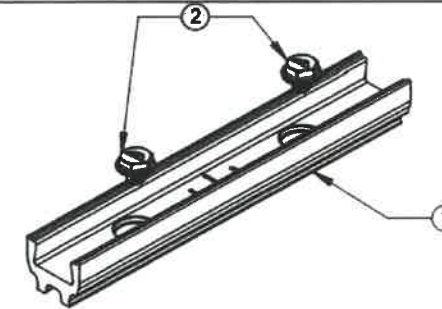
Part Number	Material	Value
AE-A1-170B	6000-Series Aluminum	Black
AE-A1-170M	6000-Series Aluminum	Clear

v1.0



AIRE TIE, A1

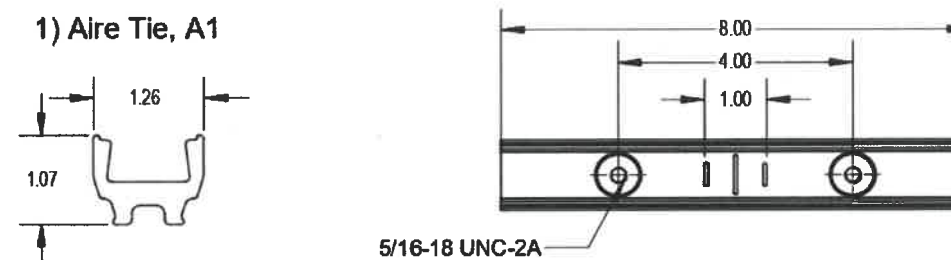
Cut Sheet



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Tie, A1	1
2	Aire Splc Bolt, Hex	2

Part Number	Description
AE-A1TIE-01-M1	AIRE TIE, A1 (BONDED SPLICE)

1) Aire Tie, A1



Property	Value
Material	6000 Series Aluminum
Finish	Mill

2) Aire Splc Bolt, Hex



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

v1.0



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REVISIONS

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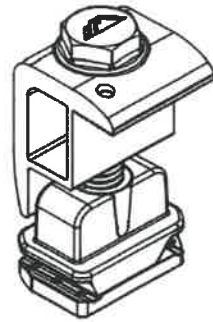
SHEET NUMBER

PV-10



Cut Sheet

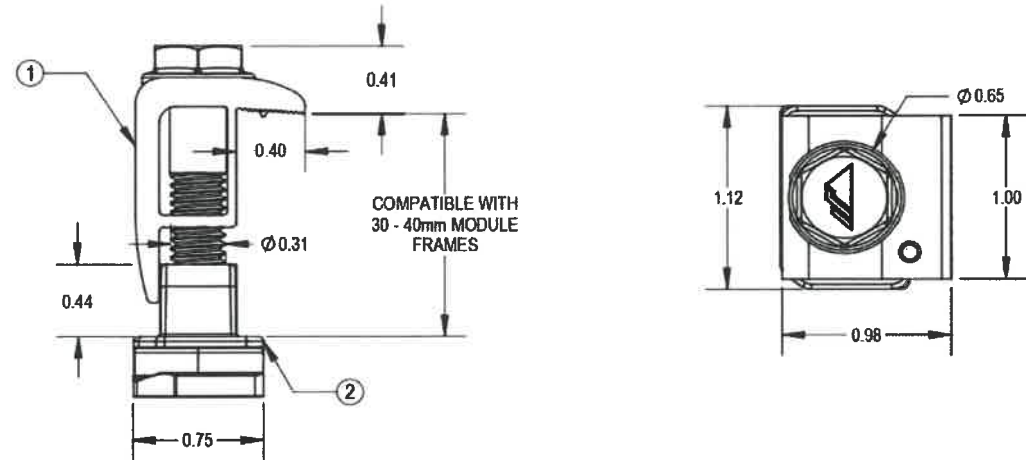
AIRE LOCK END



ITEM NO	DESCRIPTION	QTY IN KIT
1	Aire Lock End, Black	1

Part Number	Description
AE-END-01-B1	AIRE LOCK END, BLACK

1) Aire Lock End



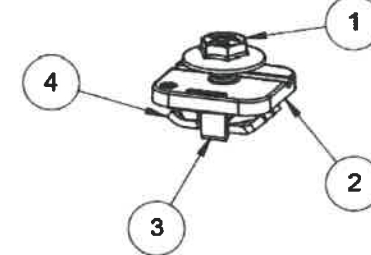
Item No	Material	Value
1	300 Series Stainless Steel	Clear and Black
2	Polypropelene	Black

v1.0



Cut Sheet

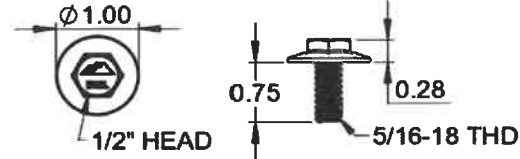
AIRE LUG



ITEM NO.	DESCRIPTION	QTY IN KIT
1	CAP SCREW, 5/16 X 3/4, HEX HEAD	1
2	TOP PLATE GROUNDING LUG	1
3	RETAINING CLIP, GROUNDING LUG	1
4	T-NUT, SHEET METAL	1

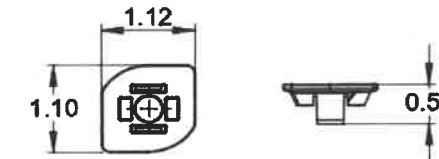
PART NUMBER	DESCRIPTION	WIRE SIZE RANGE (AWG)
AE-LUG-01-M1	AIRE LUG	6-10

1) CAP SCREW, 5/16 X 3/4



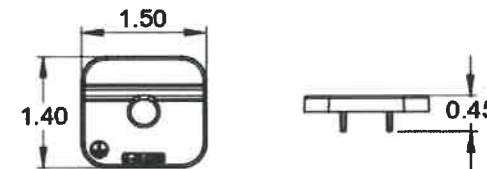
Property	Value
Material	300 Series Stainless Steel
Finish	Clear

3) RETAINING CLIP



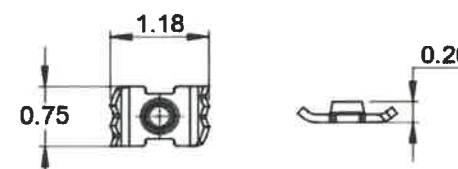
Property	Value
Material	Polypropylene
Finish	Black

2) TOP PLATE



Property	Value
Material	Tin Plated Aluminum
Finish	Clear Matte

4) T-NUT, SHEET METAL



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

v1.0



603 SOLAR
24 CHARTER ST.
EXETER, NH 03833
(603) 570-2607

REVISIONS		
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PROJECT NAME & ADDRESS

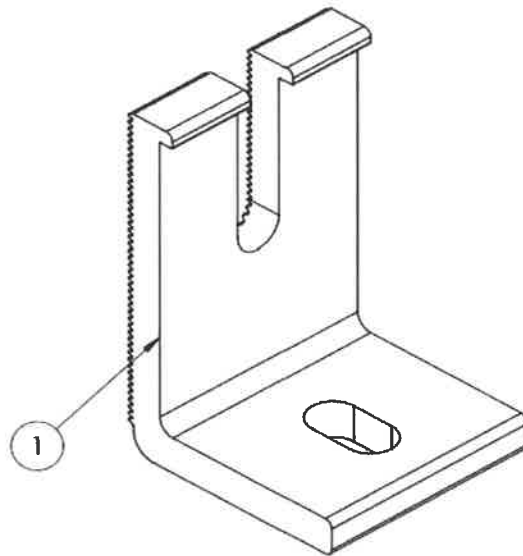
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700 MIDDLE STREET,
PORTSMOUTH, NH 03801
PHONE #: (603) 682-8321
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11" X 17"**

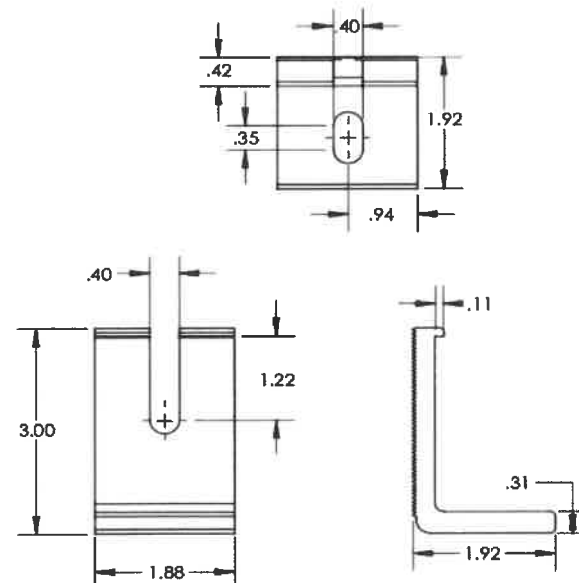
SHEET NUMBER
PV-11



ITEM NO	DESCRIPTION	QTY IN KIT
1	FOOT, EXTRUDED L - SLOTTED	4

PART NUMBER	DESCRIPTION
FM-LFT-003	Kit, 4Pcs, Slotted L-Foot, Mill
FM-LFT-003-B	Kit, 4Pcs, Slotted L-Foot, Black

1) Foot, Extruded L - Slotted



v1.11

REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME & ADDRESS

MIKE MYERS
 700 MIDDLE STREET,
 PORTSMOUTH, NH 03801
 PHONE #: (603) 682-8321
 EMAIL: mike@jewettfarms.com
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**ANSI B
 11" X 17"**

SHEET NUMBER

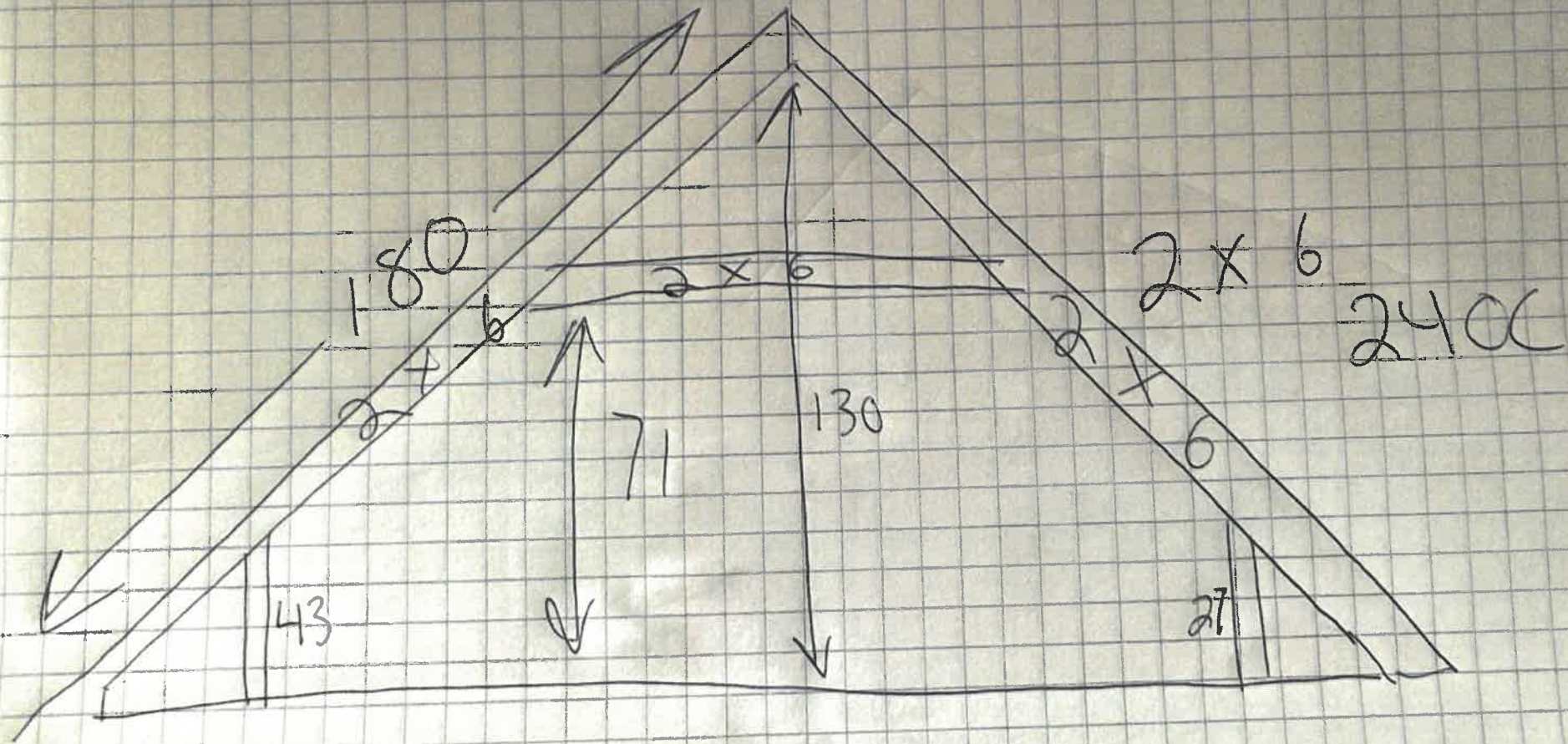
PV-12











700 MIDDLE ST

Location 700 MIDDLE ST

Mblu 0148/ 0029/ 0000/ /

Acct# 34564

Owner MYERS MICHAEL B

PBN

Assessment \$719,300

Appraisal \$719,300

PID 34564

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2022	\$385,600	\$333,700	\$719,300

Assessment			
Valuation Year	Improvements	Land	Total
2022	\$385,600	\$333,700	\$719,300

Owner of Record

Owner MYERS MICHAEL B
Co-Owner TAYLOR STEPHANIE G
Address 700 MIDDLE ST
PORTSMOUTH, NH 03801

Sale Price \$475,000
Certificate
Book & Page 4867/0438
Sale Date 12/04/2007
Instrument 15

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
MYERS MICHAEL B	\$475,000		4867/0438	15	12/04/2007

Building Information

Building 1 : Section 1

Year Built: 1880
Living Area: 2,101
Replacement Cost: \$443,309
Building Percent Good: 71

**306 Marcy Street
Windows Replacement Project
City of Portsmouth NH
Historic District Commission**

Property:

306 Marcy Street Portsmouth NH - a 3-unit condominium residential property located on assessor's map 102 lot 75 in General Residence B and the Historic District.

Project Summary:

Replacement of the existing 36 double-hung windows and storm windows with Marvin Elevate full frame double-hung single divided light (SDL) windows with half screens, along with replacement of the related exterior window trim with the exception of the cornice headers and head casings with the carved hearts on 11 of the 36 windows. Replacement of the 2 fixed panel transom windows in the basement on the South side of the building with Marvin Elevate fixed panel transom windows. Replacement of the upper half of the clapboard siding on the East elevation (Marcy Street front) with cedar clapboard siding and as needed in other areas of the building.



This photo shows the East elevation (front) and most of the South elevation. The East elevation has 15 double hung windows - 14 on the main section and 1 on the Ell over the door to Unit 2. 9 of these windows have an ornate cornice header and head casing with a carved heart.



This photo shows the South elevation - there are 8 double-hung windows on this side; this are also 2 transom windows in the stone foundation. The 2nd transom window is covered by the plantings.



This photo shows the North elevation - there are 10 double-hung windows on this side; 1 double-hung window is on the other side of the fence with only the top section visible.



This photo shows the West elevation. There are 3 double-hung windows on this side; 1 window on the gable end, 1 above the small section of rubber roof (middle top of building) and 1 below it. The remaining doors and windows shown were all incorporated into the new 3 unit residential condominium building design by the developers in the late 1980's.

Background:

The building's origin dates back to the mid/late 1700's. In later years, it made a transition to more of a commercial property containing a general store/market. The store going by several names over time, including Jack's Market, McNabb's and lastly, the Hart House General Store. By the early 1980's the business appeared to falter/shut down and the building fell into significant disrepair and appeared to be subject to vandalism. The property owners received 3 notices in 1985 from the City of Portsmouth reporting broken windows and open doors and concerns about unlawful access by vagrants and vandalism.



Public Works Department
Bureau of Inspection
City of Portsmouth

700 ISLINGTON STREET . . . PORTSMOUTH, NEW HAMPSHIRE 03801

October 4, 1985

Mr. & Mrs. Henry Cutler
241 Sea Road
Kennebunk, ME 04043

Re: 306-308 Marcy Street

Dear Mr. & Mrs. Cutler:

A second inspection of your property at 306-308 Marcy Street revealed that there are still a number of broken windows in this building. These windows must be boarded up or replaced to avoid unlawful access to vagrants.

Please have this done within 10 days of receipt of this letter or this matter will be turned over to the City Attorney for legal action.

A copy of our July 25, 1985 letter sent to you is enclosed. Your cooperation will be appreciated.

Sincerely,

John J. Grattan
Housing Code Inspector

R.A. HOPEY OCT 4 '85

JJG/cn
enc.
cc: City Engineer
Chief Building Inspector ✓

"CERTIFIED"

"City of the Open Door"



This is a photo of the 2nd notice from the City of Portsmouth regarding the broken windows.

In the photo below, there are lots of broken panes of glass visible on the front of the building.



Also visible is the Hart House sign with its bottom wood section still intact. It's faint in this shot, but we believe it says "General Store". We believe this bottom section was likely removed when the property was developed into the 3-unit residential condominium building.

In 1985, the owners along with a development company got the building permit and related approvals from the City of Portsmouth, including the HDC and ZBA, to convert the property into a 3-unit condominium residential building. The project entailed extensive comprehensive renovations, which included new windows; see building permit below.

FORM NO. BOCA-BP 1969

AREA OR VOLUME

200,000.00

PERMIT

600

REMARKS: Complete interior renovation; & exterior work per HDC approval of 27 Mar 85. All interior work per drawings of 25 Nov 85. No major structural work under this permit.

TO TYPE 5A USE GROUP R-3 BASEMENT WALLS OR FOUNDATION No Change (TYPE)

BUILDING IS TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION

SUBDIVISION No Change in Size LOT 075 Plan U02 LOT SIZE 6700 SF

AT (LOCATION) 306-308 Marcy Street (NO.) (STREET) ZONING DISTRICT GR

BETWEEN _____ AND _____ (CROSS STREET)

PERMIT TO Complete Renovation (TYPE OF IMPROVEMENT) 3 STORY Residential (PROPOSED USE) NUMBER OF DWELLING UNITS 3

APPLICANT Zoey & Henry Cutler DATE November 25, 1985 PERMIT NO. 1435

Option-Holder Equinac Development Inc. ADDRESS Dover NH (STREET) (NO.) (CITY, STATE, LICENSE)

APPLICANT Zoey & Henry Cutler DATE November 25, 1985 PERMIT NO. 1435

Option-Holder Equinac Development Inc. ADDRESS Dover NH (STREET) (NO.) (CITY, STATE, LICENSE)

APPLICANT Zoey & Henry Cutler DATE November 25, 1985 PERMIT NO. 1435

MIT TO Complete Renovation (TYPE OF IMPROVEMENT) 3 STORY Residential (PROPOSED USE) NUMBER OF DWELLING UNITS 3

AT (LOCATION) 306-308 Marcy Street (NO.) (STREET) ZONING DISTRICT GR

BETWEEN _____ AND _____ (CROSS STREET)

SUBDIVISION No Change in Size LOT 075 Plan U02 LOT SIZE 6700 SF

BUILDING IS TO BE _____ FT. WIDE BY _____ FT. LONG BY _____ FT. IN HEIGHT AND SHALL CONFORM IN CONSTRUCTION

TO TYPE 5A USE GROUP R-3 BASEMENT WALLS OR FOUNDATION No Change (TYPE)

REMARKS: Complete interior renovation; & exterior work per HDC approval of 27 Mar 85. All interior work per drawings of 25 Nov 85. No major structural work under this permit.

AREA OR VOLUME _____ (CUBIC/SQUARE FEET) ESTIMATED COST \$ 200,000.00 PERMIT FEE \$ 600.00

OWNER [Signature] ADDRESS _____ BUILDING DEPT. BY B.A. Hapley JR

(Affidavit on reverse side of application to be completed by authorized agent of owner)

10. Size of All Existing Structure(s) - (For 3 Or More Structures Please Attach Sheet)
 Structure 1 50' x 54', Bldg. Footprint Area 5,438, Stories 3, Basement Yes
 Structure 2 N/A x _____, Bldg. Footprint Area _____, Stories _____, Basement _____

11. Size of All Proposed Structure(s) - (For 3 Or More Structures Please Attach Sheet)
 Structure 1 50' x 54', Bldg. Footprint Area 5,438, Stories 3, Basement Yes
 Structure 2 N/A x _____, Bldg. Footprint Area _____, Stories _____, Basement _____

12. Proposed Yard Setbacks
 1: Front 1', Rear 21', Left 30', Right 5'-8"
 2: Front N/A, Rear _____, Left _____, Right _____

13. Provide complete Description of Work to be Done (Be Specific, Attach Sheet if Reqd.)
All interior and exterior finishes, fixtures and services to be renovated. New interior partitions (as shown), windows, plumbing, electrical, roof, chimneys and landscaping all building within the existing building footprint.

14. Contractor: McComish Home Ren. Address: 700 ISLINGTON STREET Phone: 603-3110

APPLICATION FOR XX BUILDING PERMIT . ACCEPTED INSPECTION 2, 11, 86
 CHANGE IN LAND USE . ACCEPTED PLANNING / /
 EST. COST \$ 225,000 FEE \$ _____ PAID / /
 FINAL COST \$ _____ ADD'L. FEE \$ _____ PAID / /

1. OWNER Zoey & Henry Cutler 2. APPLICANT Interface Designs (John Rummier)
 ADDRESS 65 Bow Street, Portsmouth ADDRESS 855 Islington Street, Portsmouth
 PHONE 431-7949 PHONE 436-2809
3. LESSEE _____ ADDRESS _____ PHONE _____
4. LOCATION OF WORK 306 Marcy Street PLAN # 002 LOT # 075
5. LOT: FRONTAGE 90' DEPTH 85' ZONING GR/H.-A.
6. AREA 6700 S.F. RIGHT BOUNDARY 77' LEFT BOUNDARY 46.3' REAR BOUNDARY _____
7. EXISTING USE OF LAND OR BUILDING vacant store
8. PROPOSED USE OF LAND OR BUILDING 3 residential condominiums
9. RESIDENTIAL - TOTAL NO. OF DWELLING UNITS EXISTING _____ TOTAL S.F. _____
 TOTAL NO. OF DWELLING UNITS PROPOSED 3 TOTAL S.F. 5,438
10. COMMERCIAL/OTHER - TOTAL NO. OF STRUCTURES EXISTING 1 TOTAL S.F. 5,483
 TOTAL NO. OF STRUCTURES PROPOSED _____ TOTAL S.F. _____
11. SIZE OF ALL EXISTING STRUCTURE(S) - (FOR 3 OR MORE STRUCTURES PLEASE ATTACH SHEET)
 STRUCTURE 1 50' X 54', NO. OF STORIES ABOVE GRADE 3 BASEMENT yes
 STRUCTURE 2 n/a X _____, NO. OF STORIES ABOVE GRADE _____ BASEMENT _____
12. SIZE OF ALL PROPOSED STRUCTURE(S) (FOR 3 OR MORE STRUCTURES PLEASE ATTACH SHEET)
 STRUCTURE 1 50' X 54', NO. OF STORIES ABOVE GRADE 3 BASEMENT yes
 STRUCTURE 2 n/a X _____, NO. OF STORIES ABOVE GRADE _____ BASEMENT _____
13. PROPOSED YARD SETBACKS - 1: FRONT 1' REAR 28' LEFT 32' RIGHT 5'-8'
 2: FRONT n/a REAR _____ LEFT _____ RIGHT _____
14. PROVIDE COMPLETE DESCRIPTION OF WORK TO BE DONE (BE SPECIFIC)
All interior and exterior finishes, fixtures and services to be renovated. New basement slab, interior partitions (as shown) windows, plumbing, HVAC, electrical, roof, chimneys and landscaping all building within the existing building footprint.
15. CONTRACTOR'S NAME ? PHONE _____
 ADDRESS _____ CITY _____ STATE _____ ZIP _____
16. EXISTING FOUNDATION TYPE stone/concrete CONSTRUCTION TYPE wood frame/P.&B.
 PROPOSED FOUNDATION TYPE " " CONSTRUCTION TYPE " "
17. PLUMBING PROPOSED? YES OR NO yes ELECTRICAL PROPOSED? YES OR NO yes

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M) Ma a v r n

C

The windows used by the developer appear to be a BROSCO type double-hung wood window with divided lights, typically used in the 1980s time period in this area. We have had several contractors also confirm the usage of this type of window on their review of the project. As such, they have no particular historical relevance. There is one exception to this, which is the Fanlight window above the main entrance doorway, which is believed to contain original glass (note-we are not replacing this Fanlight window).



This photo shows the main entrance with the Fanlight window above the door.

Today, many of these windows are in poor condition, including rotted frames, casings, moldings and sills along with deglazing of sashes. Many of the windows also have sashes that are very difficult to operate, some nearly inoperable. The storm windows are also in poor condition and are also difficult to operate. The storm and double-hung windows are also unsightly and have issues with air leaks, providing very poor insulation for the variety of weather conditions in the Seacoast area. The property's Marcy Street location is also subject to noisy vehicle traffic, particularly noticeable in this narrow section of the street given the building fronts right on the road and it's lined with residences on both sides all close to the road, creating a tunnel of reverberating sounds at times. This close proximity to the road also makes it problematic to do simple routine maintenance such as cleaning; this requires the use of ladders or scissor/boom lifts with a police detail to direct traffic accordingly.





Project Details:

Windows:

The building contains 36 double-hung wood windows with storm windows on each of those windows; 27 double-hung 6/6 windows and 9 double-hung 6/3 windows. These 36 double-hung windows will be replaced with Marvin Elevate double-hung full frame single divided light (SDL) windows in the same window pane configuration and approximate window size with half screens - further details are in the windows schedule quote from Selectwood - Eldredge Lumber and Hardware and the Marvin Elevate product brochure attached as separate documents. Note - These double-hung windows will be black in color on the exterior (they are quoted in stone white).

There are also 2 fixed panel transom type windows in the basement that will be replaced with 2 fixed panel transom type Marvin Elevate windows of the same configuration and approximate size as existing (not quoted yet by Selectwood).



This photo shows one of the two transom windows that are both on the South side elevation of the building.

Window Trim - Exterior:

The exterior window trim will be replaced for all the 36 double-hung windows; this includes the band molding, casings, sills, jambs, stops etc. The current trim is pine and will be replaced with either Meranti Mahogany, Australian Yellow Cedar or similar wood trim, which will be primed and painted to match the existing darker green color. The plan is for the trim to look essentially as it does now with the same profile/design, without all the integrity and aesthetic issues. The new band molding will match the existing band molding (milled if necessary). The exception to this is the profile height of the sills.

The existing sill profile heights vary from approximately 1 1/4" to 2 1/4". We believe the developer of the condominiums needed to replace some of the sills and opted to go with lower profile sill heights that were likely more readily available and of lesser cost. We plan on replacing the sills with a uniform profile height (same height dimensions) that will be chosen in the range of approximately 2" to 2 1/4"; we believe this small flexibility may be meaningful on availability and for installation. We also believe the original sills had this taller profile and is better suited for the architectural period.



This photo shows the existing trim design of all the windows with the exception of the 11 windows covered on the next page. This photo also shows one of the lower profile sills.

Essentially, all the window trim will be replaced on all the windows replaced in this project, with the exception being to the 11 double-hung windows that have a cornice header and head casing with a small heart shape carved into it. The cornice header and the head casing with the heart will not be removed and will be preserved; the remaining parts of the window trim on these 11 windows will be replaced as the other 25 windows (band molding, casings, sills, etc.). The top part of the new band molding will be covering the transition area (seam) from the existing head casing with the carved heart to the new casing trim below it. There are 9 of these windows on the West elevation (Marcy Street Front) and the remaining 2 windows are on the North elevation towards the front of the building.



Siding - Clapboards:

The current siding on the property is clapboards. Nearly all of this siding had been replaced over the years with red cedar clapboards. There are certain areas of the building that the clapboards appear to have not been replaced and/or are in poor condition. This is primarily on the front of the building on the main structure (hip-roof portion) and to a lesser extent on the North elevation side of the building. On the front of the building, starting approximately at the bottom of the 2nd floor windows and running up towards the roofline, there is a change in the condition of the clapboards and it's noticeable that these clapboards have a rougher surface, likely indicating that they are an older pine wood type clapboard that never got replaced. These clapboards are in poor condition and have become an eyesore and could become an issue with the integrity of the building envelope if not addressed. We plan to replace this front top half section to protect the building and any other areas with similar issues, which we expect to be primarily on the North side of the building. We plan to use similar red cedar clapboards to what's been used on the other sections of the building. Additionally, we also plan to refinish the Hart House sign on the front of the building



This photo shows some of the issues with the older clapboards in this upper section.

These two windows are on the North side elevation. There are issues with the siding above these two windows.



Historic District Properties Approved By HDC - Marvin Elevate/Integrity Windows:

28 New Castle Avenue - 2.1.23

138 Gates Street - 8.3.22

55 Gates Street - 5.4.22

52 Prospect Street - 11.3.21

297 South Street - 2.3.21

34 Blossom Street - 12.2.20

249 Pleasant Street - 11.4.20

50 New Castle Avenue - 11.4.20

232 South Street - 9.9.20

458 Marcy Street - 9.2.20

36 Richmond Street - 3.4.20

700 Middle Street - 3.6.19

48 Market Street - 3.6.19

Historic District Guidelines:

- Compatibility of design with surrounding properties (Zoning Ordinance 10.635.70) is maintained given the new windows, windows trim and siding clapboards are of the same style/look as the existing and the materials used are consistent with many other renovation projects in the Historic District and the South End.
- Maintain special character of the district (Zoning Ordinance 10.631.20) is maintained given the new materials are the same styling/look and we will be preserving key architectural elements with the windows that have the cornice headers and head casings with the carved hearts.
- Preserves the integrity of the district is maintained as not only are the new materials of the same styling/look but also of the same sizing - the windows being full frame, the windows trim being consistent with the existing, and the sills height being uniform and on the larger scale of the existing range will make the windows trim package look the way they would have been built have been built back in the day.

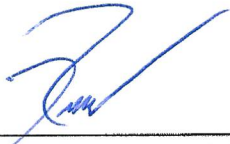
To: City of Portsmouth NH, Planning Department

From: Hart House Condominium Association

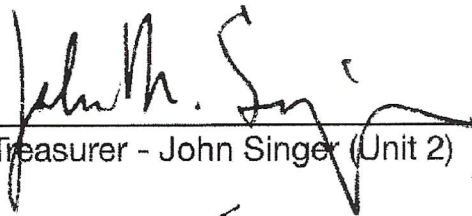
Subject: 306 Marcy Street Portsmouth NH 03801 - Windows Replacement Project Approval

Date: September 13, 2023

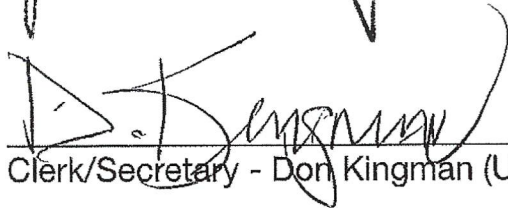
To Whom It May Concern: The Hart House Condominium Association and its unit owners of 306 Marcy Street, Portsmouth, NH have approved the Windows Replacement Project for 306 Marcy Street, Portsmouth, NH. Our President, Russell Serbagi, is filing the application for the Historic District Commission approval.



President - Russell Serbagi (Unit 3)



Treasurer - John Singer (Unit 2)



Clerk/Secretary - Don Kingman (Unit 1)

Singer, John
306 Marcy Street

Quote #: 4D7G67Y

A Proposal for Window and Door Products prepared for:

Job Site:
03801

Shipping Address:

ELDREDGE LBR & HDWE-PORTSMOUTH
275 Constitution Ave
Portsmouth, NH 03801-8600

Featuring products from:

MARVIN 

SELECTWOOD

The Choice For Building Professionals.

BRUCE REICHARD
ELDREDGE LBR & HDWE-PORTSMOUTH
PO BOX 69
CAPE NEDDICK, ME 03902-0069
Phone: (603) 436-9663

Email: breichard@eldredgelumber.com

This report was generated on 3/6/2023 2:13:23 PM
using the Marvin Order Management System,
version 0004.01.00 (Current). Price in USD. Unit
availability and price are subject to change. Dealer
terms and conditions may apply.

UNIT SUMMARY

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes.

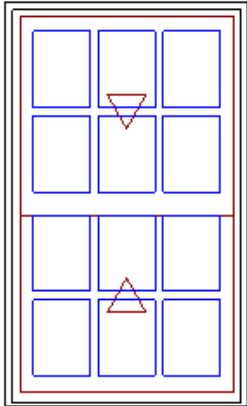
Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

NUMBER OF LINES: 6		TOTAL UNIT QTY: 36		EXT NET PRICE: USD 41,583.43		
LINE	MARK UNIT	PRODUCT LINE	ITEM	NET PRICE	QTY	EXTENDED NET PRICE
1	A	Elevate	Double Hung RO 26" X 41" Entered as FS 25" X 40 1/2"	1,093.02	1	1,093.02
2	B	Elevate	Double Hung RO 28 1/2" X 36 1/2" Entered as FS 27 1/2" X 36"	1,072.47	1	1,072.47
3	C	Elevate	Double Hung RO 29 1/4" X 41" Entered as FS 28 1/4" X 40 1/2"	1,112.81	3	3,338.43
4	D	Elevate	Double Hung RO 29 1/4" X 53" Entered as FS 28 1/4" X 52 1/2"	1,159.24	8	9,273.92
5	E	Elevate	Double Hung RO 35 1/4" X 53" Entered as FS 34 1/4" X 52 1/2"	1,233.07	14	17,262.98
6	F	Elevate	Double Hung RO 29 1/4" X 40" Entered as FS 28 1/4" X 39 1/2"	1,060.29	9	9,542.61

LINE ITEM QUOTES

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #1	Mark Unit: A	Net Price:		1,093.02
Qty: 1		Ext. Net Price:	USD	1,093.02



As Viewed From The Exterior

Entered As: FS
MO 25 1/2" X 40 3/4"
FS 25" X 40 1/2"
RO 26" X 41"
Egress Information
 Width: 21 7/8" Height: 15 11/32"
 Net Clear Opening: 2.33 SqFt
Performance Information
 U-Factor: 0.28
 Solar Heat Gain Coefficient: 0.28
 Visible Light Transmittance: 0.48
 Condensation Resistance: 55
 CPD Number: MAR-N-272-01206-00001
 ENERGY STAR: NC
Performance Grade
 Licensee #783
 AAMA/WDMA/CSA/101/ I.S.2/A440-08
 LC-PG40 1054X1924 mm (42X76.8 in)
 LC-PG40 DP +40/-40
 FL6525

Stone White Exterior
 White Interior
 Elevate Double Hung
 Frame Size 25" X 40 1/2"
 Rough Opening 26" X 41"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
 Bottom Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
 White Weather Strip Package
 Brass Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Initials required

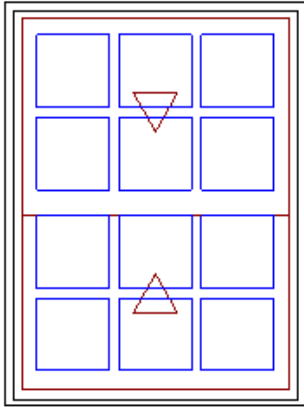
Seller: _____

Buyer: _____

Line #2	Mark Unit: B	Net Price:		1,072.47
Qty: 1		Ext. Net Price:	USD	1,072.47



Stone White Exterior
 White Interior
 Elevate Double Hung
 Frame Size 27 1/2" X 36"
 Rough Opening 28 1/2" X 36 1/2"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int



As Viewed From The Exterior

Entered As: FS

MO 28" X 36 1/4"

FS 27 1/2" X 36"

RO 28 1/2" X 36 1/2"

Egress Information

Width: 24 3/8" Height: 13 3/32"

Net Clear Opening: 2.22 SqFt

Performance Information

U-Factor: 0.28

Solar Heat Gain Coefficient: 0.28

Visible Light Transmittance: 0.48

Condensation Resistance: 55

CPD Number: MAR-N-272-01206-00001

ENERGY STAR: NC

Performance Grade

Licensee #783

AAMA/WDMA/CSA/101/ I.S.2/A440-08

LC-PG40 1054X1924 mm (42X76.8 in)

LC-PG40 DP +40/-40

FL6525

- Bottom Sash
- Stone White Exterior
- White Interior
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W2H
- Stone White Ext - White Int
- White Weather Strip Package
- Brass Sash Lock
- Exterior Aluminum Screen
- Stone White Surround
- Bright View Mesh
- 4 9/16" Jambs
- Nailing Fin

***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.

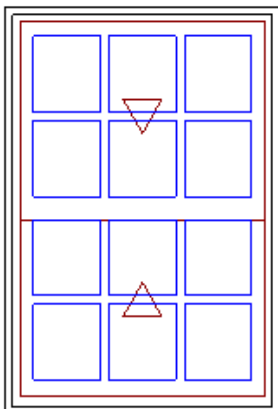
***Note: Unit Availability and Price is Subject to Change

Initials required

Seller: _____

Buyer: _____

Line #3	Mark Unit: C	Net Price:		1,112.81
Qty: 3		Ext. Net Price:	USD	3,338.43



As Viewed From The Exterior

Entered As: FS

MO 28 3/4" X 40 3/4"

FS 28 1/4" X 40 1/2"

RO 29 1/4" X 41"

Egress Information

Width: 25 1/8" Height: 15 11/32"

Net Clear Opening: 2.68 SqFt

Performance Information

- Stone White Exterior
- White Interior
- Elevate Double Hung
- Frame Size 28 1/4" X 40 1/2"
- Rough Opening 29 1/4" X 41"
- Top Sash
- Stone White Exterior
- White Interior
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W2H
- Stone White Ext - White Int
- Bottom Sash
- Stone White Exterior
- White Interior
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W2H
- Stone White Ext - White Int
- White Weather Strip Package
- Brass Sash Lock
- Exterior Aluminum Screen
- Stone White Surround
- Bright View Mesh
- 4 9/16" Jambs

U-Factor: 0.28
 Solar Heat Gain Coefficient: 0.28
 Visible Light Transmittance: 0.48
 Condensation Resistance: 55
 CPD Number: MAR-N-272-01206-00001
 ENERGY STAR: NC
Performance Grade
 Licensee #783
 AAMA/WDMA/CSA/101/ I.S.2/A440-08
 LC-PG40 1054X1924 mm (42X76.8 in)
 LC-PG40 DP +40/-40
 FL6525

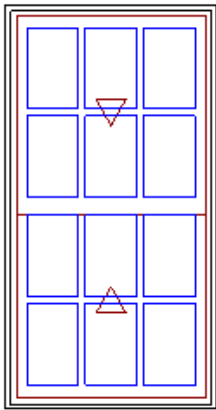
Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Initials required

Seller: _____

Buyer: _____

Line #4	Mark Unit: D	Net Price:		1,159.24
Qty: 8		Ext. Net Price:	USD	9,273.92



As Viewed From The Exterior

Entered As: FS
MO 28 3/4" X 52 3/4"
FS 28 1/4" X 52 1/2"
RO 29 1/4" X 53"
Egress Information
 Width: 25 1/8" Height: 21 11/32"
 Net Clear Opening: 3.72 SqFt
Performance Information
 U-Factor: 0.28
 Solar Heat Gain Coefficient: 0.28
 Visible Light Transmittance: 0.48
 Condensation Resistance: 55
 CPD Number: MAR-N-272-01206-00001
 ENERGY STAR: NC
Performance Grade
 Licensee #783
 AAMA/WDMA/CSA/101/ I.S.2/A440-08
 LC-PG40 1054X1924 mm (42X76.8 in)
 LC-PG40 DP +40/-40
 FL6525

Stone White Exterior
 White Interior
 Elevate Double Hung
 Frame Size 28 1/4" X 52 1/2"
 Rough Opening 29 1/4" X 53"
 Top Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
 Bottom Sash
 Stone White Exterior
 White Interior
 IG
 Low E2 w/Argon
 Stainless Perimeter and Spacer Bar
 7/8" SDL - With Spacer Bar - Stainless
 Rectangular - Special Cut 3W2H
 Stone White Ext - White Int
 White Weather Strip Package
 Brass Sash Lock
 Exterior Aluminum Screen
 Stone White Surround
 Bright View Mesh
 4 9/16" Jamb
 Nailing Fin
 ***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
 ***Note: Unit Availability and Price is Subject to Change

Initials required

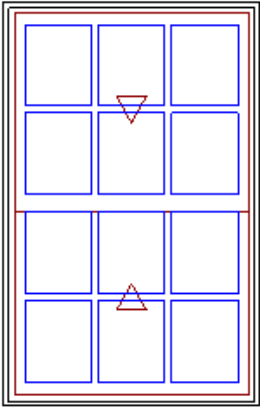
Seller: _____

Buyer: _____

Line #5	Mark Unit: E	Net Price:		1,233.07
Qty: 14		Ext. Net Price:	USD	17,262.98



Stone White Exterior
 White Interior
 Elevate Double Hung
 Frame Size 34 1/4" X 52 1/2"
 Rough Opening 35 1/4" X 53"
 Top Sash
 Stone White Exterior
 White Interior



As Viewed From The Exterior

Entered As: FS

MO 34 3/4" X 52 3/4"

FS 34 1/4" X 52 1/2"

RO 35 1/4" X 53"

Egress Information

Width: 31 1/8" Height: 21 11/32"

Net Clear Opening: 4.61 SqFt

Performance Information

U-Factor: 0.28

Solar Heat Gain Coefficient: 0.28

Visible Light Transmittance: 0.48

Condensation Resistance: 55

CPD Number: MAR-N-272-01206-00001

ENERGY STAR: NC

Performance Grade

Licensee #783

AAMA/WDMA/CSA/101/ I.S.2/A440-08

LC-PG40 1054X1924 mm (42X76.8 in)

LC-PG40 DP +40/-40

FL6525

- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W2H
- Stone White Ext - White Int
- Bottom Sash
- Stone White Exterior
- White Interior
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W2H
- Stone White Ext - White Int
- White Weather Strip Package
- Brass Sash Lock
- Exterior Aluminum Screen
- Stone White Surround
- Bright View Mesh

4 9/16" Jambos

Nailing Fin

***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.

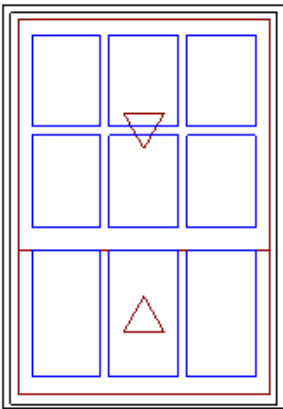
***Note: Unit Availability and Price is Subject to Change

Initials required

Seller: _____

Buyer: _____

Line #6	Mark Unit: F	Net Price:		1,060.29
Qty: 9		Ext. Net Price:	USD	9,542.61



As Viewed From The Exterior

Entered As: FS

MO 28 3/4" X 39 3/4"

FS 28 1/4" X 39 1/2"

RO 29 1/4" X 40"

Egress Information

No Egress Information available.

Performance Information

U-Factor: 0.28

- Stone White Exterior
- White Interior
- Elevate Double Hung
- Frame Size 28 1/4" X 39 1/2"
- Rough Opening 29 1/4" X 40"
- Reverse Cottage
- Top Sash
- Stone White Exterior
- White Interior
- G.S. 23 1/2" X 19 7/8"
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W1H
- Stone White Ext - White Int
- Bottom Sash
- Stone White Exterior
- White Interior
- G.S. 23 1/2" X 13 3/8"
- IG
- Low E2 w/Argon
- Stainless Perimeter and Spacer Bar
- 7/8" SDL - With Spacer Bar - Stainless
- Rectangular - Special Cut 3W1H
- Stone White Ext - White Int
- White Weather Strip Package
- Brass Sash Lock
- Exterior Aluminum Screen

Solar Heat Gain Coefficient: 0.28
Visible Light Transmittance: 0.48
Condensation Resistance: 55
CPD Number: MAR-N-272-01206-00001
ENERGY STAR: NC

Performance Grade

Licensee #783
AAMA/WDMA/CSA/101/ I.S.2/A440-08
LC-PG40 1054X1720 mm (42X67.7 in)
LC-PG40 DP +40/-40
FL6525

Stone White Surround
Bright View Mesh
4 9/16" Jamb
Nailing Fin

***Note: Divided lite cut alignment may not be accurately represented in the OMS drawing. Please consult your local representative for exact specifications.
***Note: Unit Availability and Price is Subject to Change

Initials required

Seller: _____

Buyer: _____

Project Subtotal Net Price: USD	41,583.43
0.000% Sales Tax: USD	0.00
Project Total Net Price: USD	41,583.43

TERMS AND CONDITIONS

PRODUCT AND PERFORMANCE INFORMATION

NFRC energy ratings and values may vary depending on the exact configuration of glass thickness used on the unit. This data may change over time due to ongoing product changes or updated test results or requirements.

The National Fenestration Rating Council (NFRC) has developed and operates a uniform national rating system for the energy performance of fenestration products, including windows and doors. For additional information regarding this rating system, see www.nfrc.org.

NFRC energy values and ratings may change over time due to ongoing product changes, updated test results or requirements.

ELEVATE
MARVIN ELEVATE COLLECTION



THE MARVIN PORTFOLIO

The Marvin portfolio consists of five product lines organized into three distinct collections defined by the degree of design detail and customization opportunities.

Marvin windows and doors offer exceptional performance, energy efficiency, low maintenance, and quality you can see, feel, and touch to help bring your vision to life.



ULTIMATE

Most extensive selection of features, options, and product types



MODERN

Design flexibility in a purely modern aesthetic available exclusively at Marvin Modern dealers



COASTLINE

Custom windows and doors for high velocity hurricane zones in the coastal Southeast



ELEVATE

Wide range of options and product types



ESSENTIAL

Curated options and product types

MARVIN SIGNATURE® COLLECTION

MARVIN ELEVATE® COLLECTION

MARVIN ESSENTIAL™ COLLECTION

INTERIORS	WOOD 6 species options + custom 2 painted or primed options 6 stains + clear coat	EXTRUDED ALUMINUM 5 color options	EXTRUDED ALUMINUM 6 solid colors, 4 woodgrain finishes	WOOD Bare pine, painted Designer Black, painted White, or clear coat	FIBERGLASS 4 color options
EXTERIORS	EXTRUDED ALUMINUM 19 colors + custom OR WOOD 3 species + custom	FIBERGLASS 5 color options	EXTRUDED ALUMINUM 6 solid colors, 4 woodgrain finishes	FIBERGLASS 6 color options	FIBERGLASS 6 color options
SIZING	Standard + custom sizing for replacement, remodeling, or new construction	Custom sizing for remodeling or new construction	Custom sizing for replacement, remodeling, or new construction	Standard + custom sizing for replacement, remodeling, or new construction	Standard + custom sizing for replacement, remodeling, or new construction
HARDWARE	Extensive selection including Marvin Gallery Hardware	Minimalist hardware for modern design aesthetic	Available in multiple styles, sizes, and finishes to complement the window + door aesthetics	Available in 6 finish options with 2 door handle styles	Available in 6 finish options with 1 door handle style
COASTAL + WATERFRONT	Hurricane Impact Zones 3 and 4, + PG 50 Products		All products rated for High Velocity Hurricane Zone (IZ4)	Hurricane Impact Zone 3, + PG 50 Products	

Marvin Elevate® collection

THE PERFECT BALANCE OF BEAUTY AND STRENGTH

Balancing beautiful design with superior strength, the Marvin Elevate collection delivers style in any climate. Elevate features warm wood interiors that can blend in or stand out with Ultrex® fiberglass exteriors for lasting durability. The collection offers a range of carefully selected features and options, making it as versatile as it is elegant.

About Us

At Marvin, we're driven to imagine and create better ways of living, helping people feel happier and healthier inside their homes. We believe that our work isn't just about designing better windows and doors—it's about opening new possibilities for the people who use them.

Casement windows with Simulated Checkrails and Grills-between-the-Glass in Designer Black with Matte Black hardware



Inswing French door with Matte Black hardware

TABLE OF CONTENTS

4	MARVIN ELEVATE COLLECTION
8	WHY MATERIALS MATTER
10	ENERGY EFFICIENCY
12	DESIGNED WITH PROS IN MIND
14	WINDOWS
16	CASEMENT + AWNING
18	DOUBLE HUNG
20	GLIDER
22	PICTURE
24	BAY + BOW
26	ROUND TOP + SPECIALTY SHAPES
28	DOORS
30	BI-FOLD DOOR
32	SLIDING PATIO DOOR
34	SLIDING FRENCH DOOR
36	INSWING FRENCH DOOR
38	OUTSWING FRENCH DOOR
40	PRODUCT OPTIONS
42	INSTALLATION ACCESSORIES
43	EXTERIOR TRIM
44	DESIGN OPTIONS
46	HARDWARE STYLES
48	WINDOW SAFETY

WHY MATERIALS MATTER

THE MARVIN MATERIALS DIFFERENCE: ULTREX® FIBERGLASS

Choosing the right materials for windows and doors is important when it comes to long-term appearance and performance. Ultrex, an innovative fiberglass material pioneered by Marvin over 25 years ago, was one of the first premium composites on the market. However, not all composites are created equal.

Some companies use materials with fundamentally different properties and performance values to produce a composite material. But, Ultrex is different. High density woven fibers bound by a thermally-set resin makes Ultrex more resistant to pressure and temperature than vinyl-based composites. With such different materials grouped in the composites category, it becomes important to know what sets them apart.



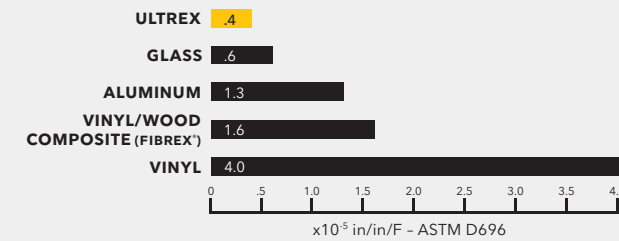
TEMPERATURES MAY FLUCTUATE, BUT ULTREX FIBERGLASS WON'T

Ultrex expands and contracts at virtually the same rate as glass, so it works with glass rather than against it. This means seals aren't as prone to leaking, and windows aren't subjected to sagging issues like other composites.

This is especially true when compared to vinyl, which can distort in extreme heat and crack in fluctuating temperatures. Ultrex resists distortion even at temperatures up to 285°F. Rapid temperature change doesn't faze Ultrex. From -30°F to 70°F, a 6-foot stile changes less than 1/32 inch in length.

EXPANSION MEASUREMENT

Ultrex expands and contracts at virtually the same rate as glass.

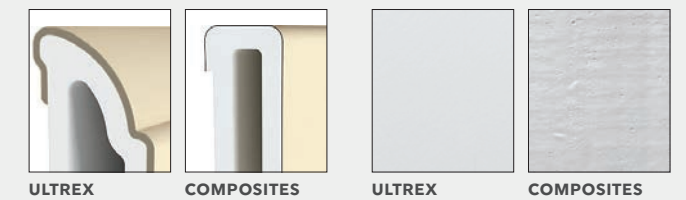


INDUSTRY'S BEST FIBERGLASS FINISH FOR LASTING BEAUTY

Ultrex is the first and only fiberglass finish to be verified to AAMA's 624 voluntary finish specifications for fiber reinforced thermoset profiles (fiberglass).

Windows and doors made with Ultrex resist scratches, dings, and marring more than vinyl. Our proprietary, mechanically bonded acrylic finish is up to three times thicker than painted competitive finishes, and it resists UV degradation up to five times longer than vinyl—even on dark colors.

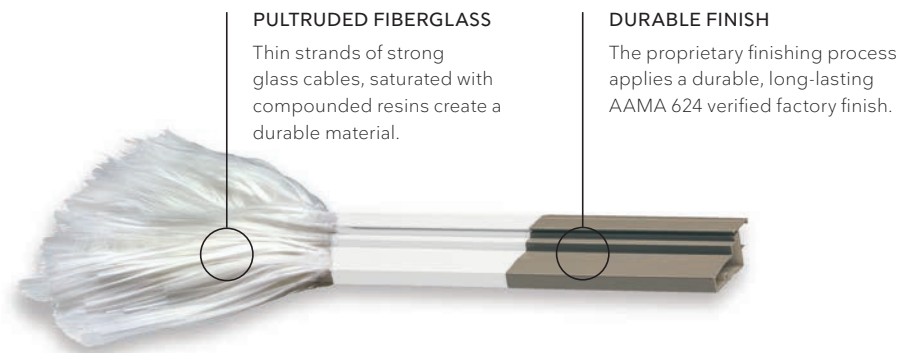
ACRYLIC CAP



STRENGTH AND STABILITY OF ULTREX

Ultrex pultruded fiberglass has a tensile strength 8x stronger than vinyl and 3x stronger than non-fiberglass vinyl/wood composites. Windows and doors made with Ultrex bend and flex less, resist cracking and separating, and stand up better to everyday wear and tear.

The exceptional strength and stability of Ultrex eases installation and establishes a secure, long-lasting fit that stays square and true, year after year.



Casement and Direct Glaze windows in Stone White

COOLER IN SUMMER, WARMER IN WINTER

TOP RATED ENERGY EFFICIENCY

The National Fenestration Rating Council (NFRC) defines energy performance ratings for the entire window and door industry. It rates:

- **U-factor:** How well a window keeps heat inside a building.
- **Solar heat gain:** A window's ability to block warming caused by sunlight.
- **Visible light transmittance:** How much light gets through a product.
- **Air leakage:** Heat loss and gain by air infiltration through cracks in the window assembly.

Ultrax® fiberglass is 500 times less conductive than roll form aluminum, similar to wood and PVC. It provides an insulated barrier against extreme weather temperatures, keeping homes comfortable, and reducing heating and cooling costs.

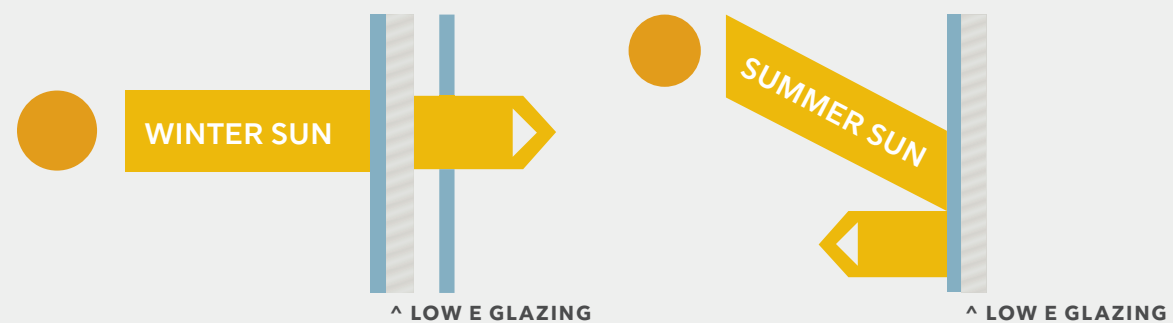
ENERGY COST SAVINGS

Marvin was the first major window and door manufacturer to offer energy-efficient Low E2 glass and ENERGY STAR® certified performance on all of our standard windows and doors. Compared to non-certified products, ENERGY STAR certified windows and doors cut heating and cooling costs by 12%.*

The Elevate collection offers Triple-pane, Low E1, Low E2, Low E3, and Low E3/ERS insulated glass with argon gas, which has thermal conductivity 30% lower than that of air. It adds improved solar and thermal protection by distinguishing between visible light, damaging UV, and near-infrared rays to offer the ultimate glass performance. And provides a selection of energy-efficient solutions depending on your climate and needs.

LOW E GLASS COATING

The Low E coating is specially designed to take advantage of the angle of the winter and summer sun. Winter sun is absorbed and conducted indoors. Summer sun is filtered and reflected back outdoors.



Double Hung window with Sash Lock + Keeper in White

A MORE COMFORTABLE INTERIOR, REGARDLESS OF THE SEASON

Keep heat inside during cooler weather and block the sun's rays during warmer weather with dual-pane windows and Low E coating.

DESIGNED WITH PROS IN MIND

PEACE OF MIND

Every project has its own unique requirements and Marvin is equipped to meet those challenges. Our unique Ultrex® fiberglass construction, available factory services, unmatched delivery, and network of dedicated service and support personnel make the Elevate collection the perfect choice—no matter the project.

EASY TO ORDER, SIMPLE TO INSTALL

The Elevate collection offers simplified options to make the order process straightforward. Installation options and accessories make installing Marvin easier than ever. See page 20 for more information.

MARVIN HAS YOU COVERED

The Elevate collection is backed by a fully transferable 20/10 warranty: 20-year coverage on glass, and 10-year coverage on manufacturing materials and workmanship.

CREATING VALUE AND EFFICIENCY EVERY STEP OF THE WAY

Weather-tight, solid, and durable Ultrex® fiberglass means there are virtually no call-backs. Elevate window and door profiles are optimized for the maximum in performance and fit.



Double Hung window in Stone White

Marvin Elevate® collection
WINDOWS



Casement windows in Bronze

CASEMENT + AWNING



Casement windows with Matte Black hardware



Casement windows in White

CASEMENT + AWNING

- Multi-point sequential locking system provides superior PG50 performance rating with single lever operation.
- Interior screen features an aluminum surround and concealed pressure mounting points for ease of operation and enhanced aesthetics.
- Operating, transom, and picture units available.
- Folding handle neatly stows out of the way. Stainless steel coastal hardware available.
- Casement available in standard and special sizes up to 3 feet wide by 6 feet high.
- Awning available in standard and special sizes up to 4 feet wide by 4 feet high.
- Coordinating Picture and Transom windows also available.
- Narrow frame option with 3 ¼ inch insert replacement frame, flat sill, and through jamb installation.



CASEMENT + AWNING



CASEMENT NARROW FRAME + AWNING NARROW FRAME



Available with IZ3
(Excludes Narrow Frame option)

DOUBLE HUNG



Double Hung windows in Designer Black with Matte Black hardware



Double Hung window in White with White hardware

DOUBLE HUNG

- Equipped with a standard full screen; optional half screen is available.
- Tilt latches are ergonomically designed and easy to operate, making tilting and cleaning effortless.
- Sash lock provides a positive detent, reassuring the user that the window is either locked or unlocked.
- Up to PG50 performance rating.
- Equal, Cottage, and Reverse Cottage sash provide a variety of looks and checkrail heights.
- Available in standard and special sizes up to 4 feet 6 inches wide by 7 feet high.
- Coordinating Picture and Transom windows also available.
- Double Hung Insert option features 3/4 inch insert replacement frame with through jamb installation and up to PG40 performance rating.



DOUBLE HUNG



DOUBLE HUNG INSERT



Available with IZ3
(Excludes Insert option)

GLIDER



Glider window in painted White



Glider windows in Pine with custom stain finish

GLIDER

- Operating sash easily tilts and removes with no cords or strings to detach.
- Tilt latches are ergonomically designed and easy to operate, making tilting and cleaning effortless.
- Available in dual sash with left or right operating panel as well as triple sash with fixed center panel and two operating end panels.
- Innovative screen design for easy installation and removal.
- Up to PG30 performance rating.
- Available in standard and special sizes up to 6 feet wide by 5 feet high for dual sash and 8 feet wide by 5 feet high for triple sash.



INTERIOR



EXTERIOR



SASH LOCK + KEEPER

PICTURE



Picture windows in painted White



Double Hung and Picture windows in painted White

PICTURE

- Fixed window available in either in-sash or direct glaze to meet various design needs.
- Both in-sash and direct glaze Picture windows available with IZ3 hurricane rating.
- Direct glaze:
 - › Glass meets the frame directly without a sash for a simple, clean profile with more glass area.
- In-sash:
 - › Designed to match profiles of operable windows in the Elevate collection.
 - › Casement Picture windows available in sizes up to 6 feet wide by 6 feet high.
 - › Double Hung Picture windows available in sizes up to 5 feet wide by 7 feet high.



INTERIOR



EXTERIOR



PICTURE WINDOW PROFILE SHOWN IN BARE PINE



Available with IZ3

BAY + BOW



Elevate Casement Bow window in White



Elevate Casement Bay window in White

BAY + BOW

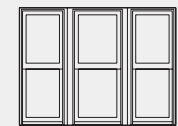
- Maximize air circulation with multiple windows.
- Combine Double Hung or Casement windows with a center Picture window.
- Customize with a variety of glass, divided lites, and hardware options.
- Rich Pine interior with a variety of finish options.
- Durable low-maintenance aluminum surround screens.
- Head and seat boards use engineered wood for superior strength, stability, and durability.
- Choose from convenient factory mulling or field mulling kits.
- Bows available in configurations up to 10 feet wide by 6 feet high.
- Bays available in configurations up to 7 feet wide by 6 feet high.



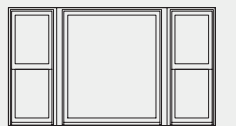
BAY INTERIOR



BAY EXTERIOR



BAY OPERATOR CENTER UNIT



BAY PICTURE CENTER UNIT

ROUND TOP + SPECIALTY SHAPES

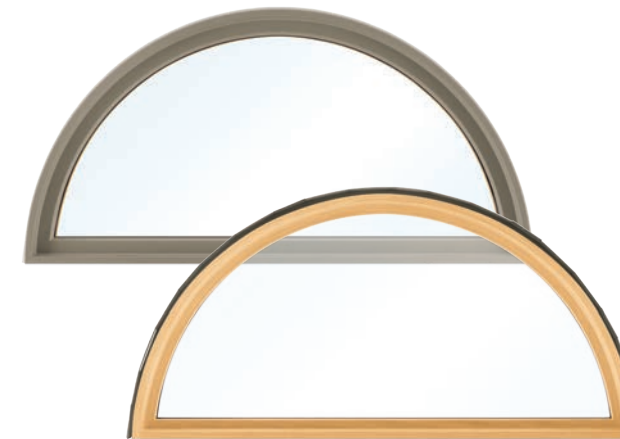


Elevate Specialty Shapes window, Casement window, and Picture window

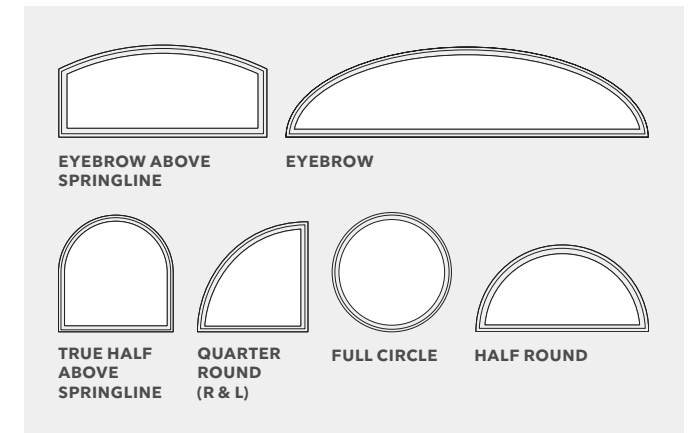
ROUND TOP

- Extruded aluminum exterior finish.
- Available nailing fin, installation bracket, and through jamb installation.
- Perforated folding radius nailing fin provides for simple installation and proper water management.

- Available factory and field mulling options.
- Standard and special sizes up to 8 feet wide and up to 6 feet high depending on the shape.
- Up to PG50 performance rating.



EXTERIOR + INTERIOR



SPECIALTY SHAPES

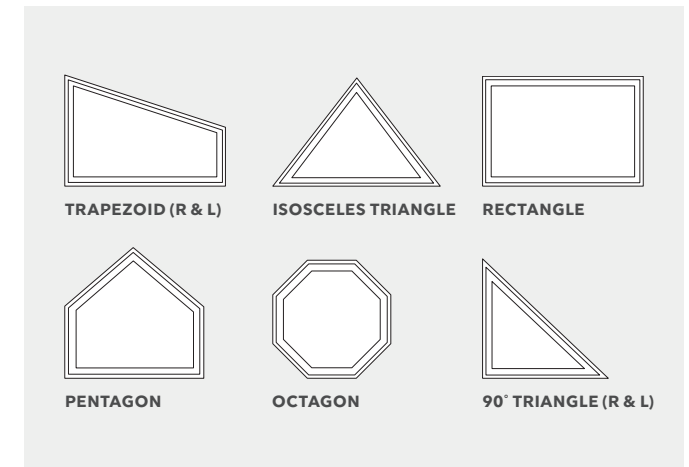
- Standard jambs of 4 1/16 inch, 6 1/16 inch, and 6 13/16 inch are available factory applied or as an extension kit.
- Consistent, fast delivery applies to even the most unique products.
- ENERGY STAR® certified and available with Low E1, Low E2, Low E3, and Low E3/ERS insulated glass.

- Up to PG55 performance rating.
- Factory, reinforced, and field mulling kits available.
- Use as sidelights or transoms, or combine for a breathtaking wall of windows.
- Available in sizes up to 49 square feet. Longest leg may not exceed 9 feet.



EXTERIOR PENTAGON

INTERIOR TRAPEZOID



Marvin Elevate® collection

DOORS



Inswing French door and Casement and Picture windows in Ebony

BI-FOLD DOOR



Elevate Bi-Fold Door in Ebony



Elevate Bi-Fold Door in White

BI-FOLD DOOR

- Available in configurations up to 7 panels and fits openings up to 22 feet wide by 8 feet high.
- Choose from 28 operating configurations.
- Carefully engineered top-hung design for effortless operation.
- Performance sill available in Beige or Bronze.
- Integrated multi-point locking system.
- Retractable pleated screen option available
- Divided lites available: Grilles-between-the-Glass (GBG) or Simulated Divided Lites (SDL).



INTERIOR



EXTERIOR



BOTTOM HINGE

SLIDING PATIO DOOR



Elevate Sliding Patio Door with Designer Black interior



Sliding Patio Door in Ebony

SLIDING PATIO DOOR

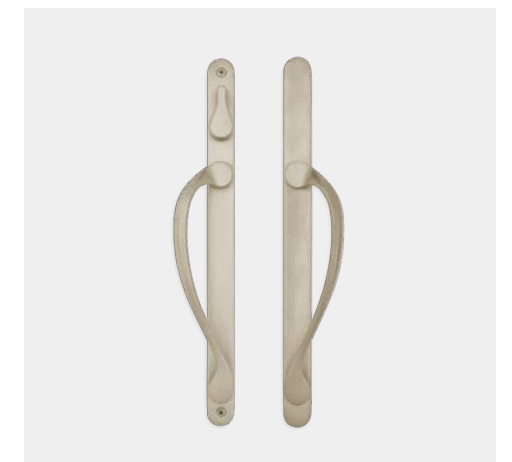
- Narrow stiles and rails achieve a contemporary styling.
- Low-maintenance Ultrex fiberglass exterior; rich pine interior with a variety of finish options.
- Precision built in special sizes in 1/4 inch increments.
- 2-, 3-, or 4-panel configurations up to approximately 16 feet wide by 8 feet high.
- Up to PG40 performance rating.
- Top hung screen operates smoothly without jamming.
- Coordinating Transom windows available.
- Bronze or Beige sill available.



INTERIOR



EXTERIOR



CAMBRIDGE HANDLES SHOWN IN SATIN NICKEL

SLIDING FRENCH DOOR



Bi-parting Sliding French door with Northfield hardware in White



Bi-parting Sliding French door in Stone White with Northfield hardware in Oil Rubbed Bronze

SLIDING FRENCH DOOR

- Wide stile and rail construction showcases the rich wood interior.
- Low-maintenance fiberglass exteriors and rich pine interiors with a variety of finish options.
- Configurations of 2-, 3-, or 4-panels, up to approximately 16 feet wide by 8 feet high.
- Up to PG40 performance rating.
- Optional PG50 performance rating on 2- and 3-panel configurations up to 9 feet wide by 8 feet high.
- Dual ball-bearing rollers for smooth operation.
- Bronze or Beige sill available.



INTERIOR



EXTERIOR



SILL DETAIL SHOWN IN BRONZE



INSWING FRENCH DOOR



Inswing French door with Northfield hardware in Matte Black



Inswing French doors in White with custom hardware

INSWING FRENCH DOOR

- Secure and stable stainless steel multi-point locking system.
- Precision built in 1/4 inch increments.
- Available in 1-, 2-, or 3-panel configurations.*
- Multiple configurations up to 6 feet wide by 8 feet high.
- Bronze or Beige sill available.
- PG30 performance rating standard.
- PG50 performance rating optional on 1- and 2-panel configurations.



INTERIOR



EXTERIOR



DOOR HINGE SHOWN IN SATIN NICKEL

OUTSWING FRENCH DOOR



Outswing French Door in Stone White with Oil Rubbed Bronze Cambridge hardware

Photo: Lairy Glenn



Outswing French door with Cambridge hardware in Satin Nickel

OUTSWING FRENCH DOOR

- Low-maintenance fiberglass exteriors and rich pine interiors with a variety of finish options.
- Secure and stable stainless steel multi-point locking system.
- Precision built in 1/4 inch increments.
- Tempered, insulated glass with argon gas.
- Available in 1-, 2-, or 3-panel configuration.*
- Multiple configurations up to 6 feet wide by 8 feet high.
- Bronze or Beige sill available.
- PG50 performance rating standard.



INTERIOR



EXTERIOR



DOOR HINGE SHOWN IN SATIN NICKEL



Available with IZ3

* 3-panel configuration is achieved by mulling multiple frames together to create an assembly.

Marvin Elevate® collection

PRODUCT OPTIONS



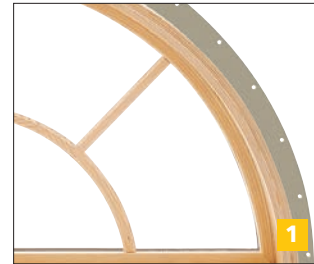
Double Hung and Direct Glaze windows in Bronze

INSTALLATION MADE SIMPLE AND EFFICIENT

INSTALLATION OPTIONS AND ACCESSORIES

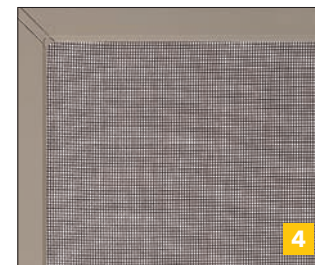
1. NAILING FIN

Pre-attached folding nailing fin and drip cap for easier installation.



2. THROUGH JAMB

Available through jamb and installation bracket options.



3. FACTORY-APPLIED JAMB EXTENSIONS

Factory-applied jamb extensions save time and labor. We supply 4 7/16", 6 7/16", and 6 13/16" jamb depth in bare wood, white, designer black, or clear interior finish.

4. FACTORY-INSTALLED SCREENS

Factory-installed screens are a standard offering with operating windows. At no extra cost, we can ship your screens separately to reduce on-site damage prior to installation.



5. FACTORY MULLED ASSEMBLIES

Available standard factory mulling, reinforced factory mulling, or field mulling kits. The reinforced mull meets AAMA 450 specifications and performs up to PG50 on standard products and up to PG55 on IZ3 rated products.

6. CORNER KEYS

Integral corner keys keeps window and door units square and corners sealed.



7. CUSTOM SIZES

Custom sizes are available on windows and doors in 1/4" increments for the perfect fit every time.

8. PAINTABLE ULTREX EXTERIOR

The Ultrex® fiberglass exterior is paintable, and it holds dark colors better than vinyl or vinyl/wood composites.

EXTERIOR TRIM

Ultrex Exterior Trim is offered with all rectangular Elevate products in all six exterior finishes. The durability, performance, and look of Marvin Elevate windows and doors can be extended to the trim.

BRICK MOULD

2" Brick Mould is available with or without 2 1/8" sill nosing.

FLAT

3 1/2" Flat Trim is available in Flat and Flat Ranch configurations with or without 2 1/8" sill nosing.

SILL NOSE

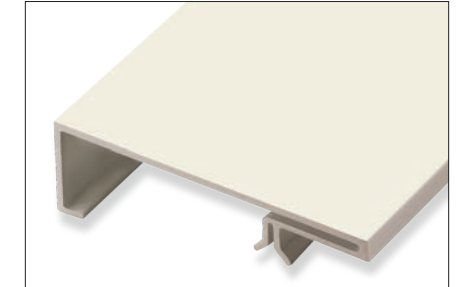
2 1/8" Sill Nose provides authentic sill appearance.

CONNECTION BARB

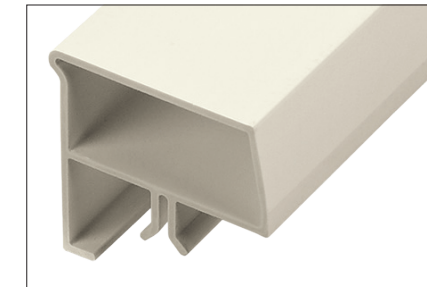
Barb and receiver attachment method provides for quick, secure installation.



BRICK MOULD



FLAT



SILL NOSE



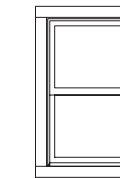
CONNECTION BARB

TRIM CONFIGURATIONS

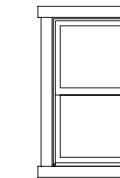
Multiple configurations are available in lineal lengths and factory pre-cut kits in all six Elevate collection exterior colors.



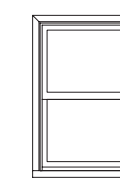
BRICK MOULD



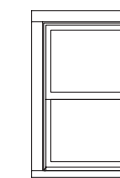
FLAT



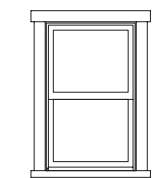
FLAT RANCH



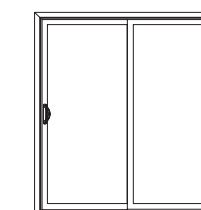
BRICK MOULD WITH SILL NOSE



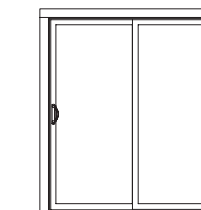
FLAT WITH SILL NOSE



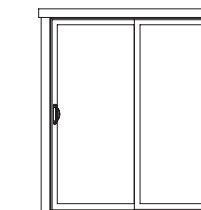
FLAT RANCH WITH SILL NOSE



BRICK MOULD*



FLAT*



FLAT RANCH*

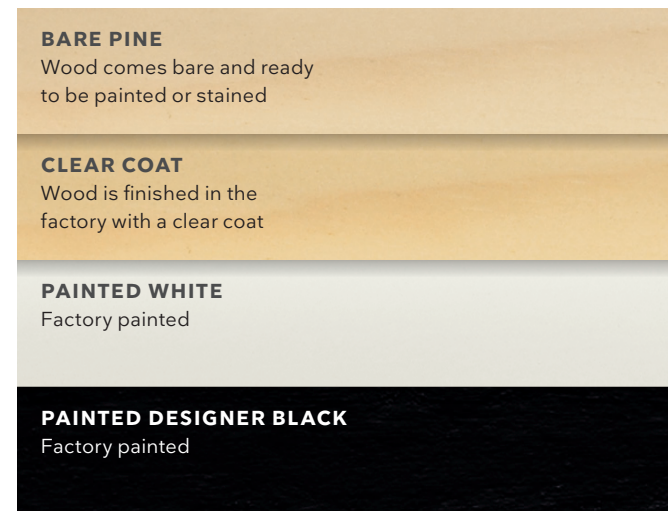
* Brick Mould, Flat, and Flat Ranch profiles are available on doors. Sill profiles are not included for door trim sets.

DESIGN OPTIONS

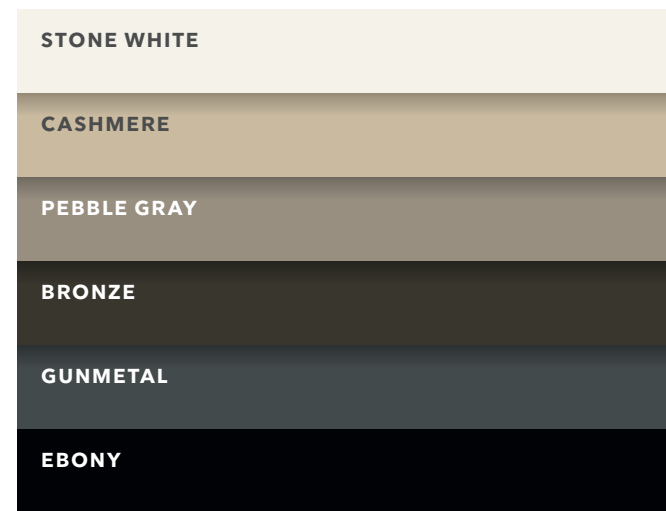
INTERIOR AND EXTERIOR FINISHES

Elevate windows and doors features rich pine interiors and a durable, strong, and fully paintable Ultrex® fiberglass exterior, featuring our AAMA-verified acrylic finish for low-maintenance and superior aesthetics. Elevate Round Tops include the extruded aluminum exterior finished in commercial-grade paint for superior resistance to fading and chalking.

WOOD INTERIOR FINISHES



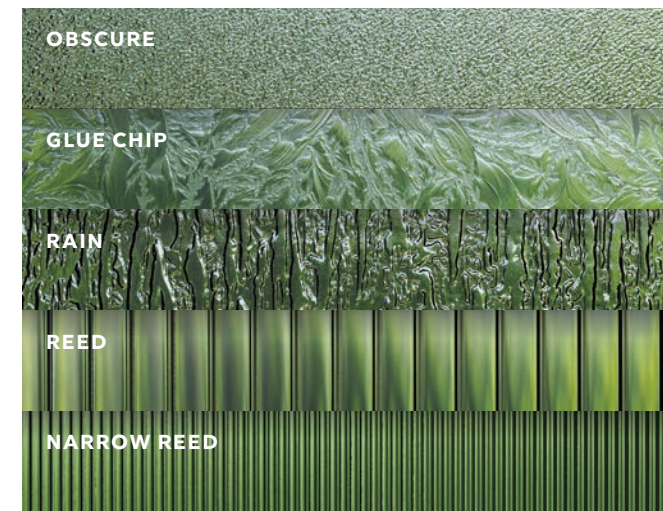
FIBERGLASS EXTERIOR COLORS



GLASS OPTIONS

Glass is available with Standard Dual Pane or optional Triple Pane on select products. Available with Low E1, Low E2, Low E3, and Low E3/ERS insulated glass with argon gas.* Options include glazing for sound abatement (STC/OITC), high altitudes, and California fire zones. Laminated glass is also offered in products designed specifically for hurricane zones.

DECORATIVE GLASS



DIVIDED LITES

GRILLES-BETWEEN-THE-GLASS (GBG)

Available in several popular lite cut options for a classic divided lite look and easy glass cleaning. Available in Stone White, Bronze, and Ebony interior and Stone White, Cashmere, Pebble Gray, Bronze, Gunmetal or Ebony exterior.*

SIMULATED DIVIDED LITE (SDL)

Bars permanently adhered to both sides of the glass for a more authentic look. Available with or without spacer bar and in several lite cut options.



GRILLES-BETWEEN-THE-GLASS



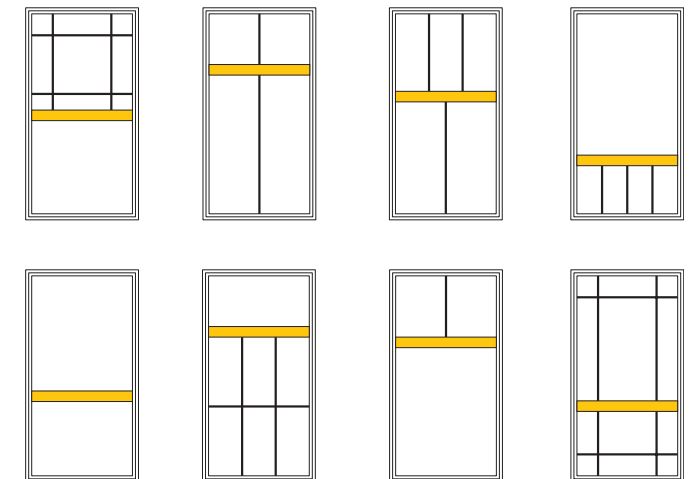
SIMULATED DIVIDED LITE

SIMULATED CHECKRAIL

Simulated Checkrail is the perfect solution when aesthetics call for the beauty of a double hung, but operation, egress, or performance demand another solution.

You specify placement of the horizontal simulated checkrail bar and the lite cut patterns above and below.

These illustrations offer a sampling of 7/8" Simulated Divided Lite (SDL) patterns that can be selected in combination with the 2 1/32" Simulated Checkrail on Casement, Awning, Glider, Direct Glaze Rectangle, Picture windows, and all Elevate doors.



* Not available in polygons except direct glaze rectangles.

* Argon gas not available in high elevations where capillary tubes are required.

HARDWARE STYLES

WINDOW HARDWARE

Windows feature classic low-profile durable hardware for clean aesthetics, safety, and security.



SASH LOCK + KEEPER
Double Hung and Glider



FOLDING HANDLE
Casement and Awning



Double Hung window in Designer Black with Matte Black Sash Lock + Keeper

DOOR HANDLES

Door handles are available in two distinct hardware styles.



CAMBRIDGE

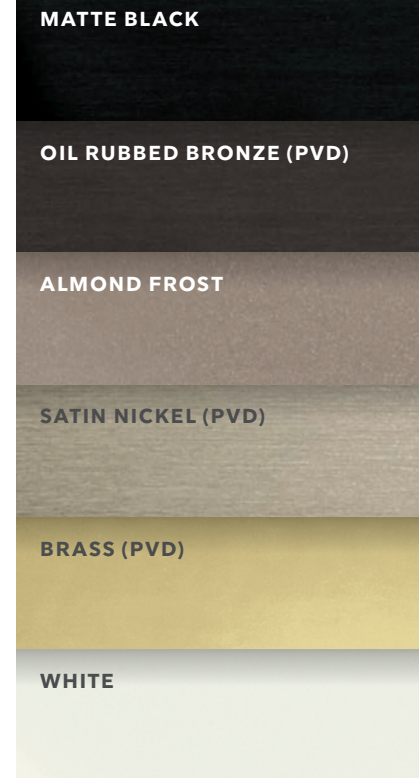


NORTHFIELD

DOOR HANDLE OPTIONS

- Available keyed-alike option (use one key on multiple locks, with up to 3 different keys on each project).
- Choose a distinct interior and exterior handle finish that matches or complements the interior and exterior color of your door.

FINISHES



Choose from a variety of hardware finishes to complement your Elevate collection windows and doors.

The Physical Vapor Deposition (PVD) process adds a layer of toughness to hardware exposed to environmental factors like direct sun and humidity. PVD finishes resist fading and discoloration, even in coastal areas. PVD has the highest grade corrosion resistant finish.

PVD finish is available on exterior door hardware in Oil Rubbed Bronze, Satin Nickel, and Brass.

MARVIN®



Casement Narrow Frame window with Oil Rubbed Bronze Folding Handle and Lock Lever



Inswing French door with Cambridge Handle in Satin Nickel PVD

SAFE AND SOUND

ACCESSIBILITY OPTIONS

OPENING CONTROL DEVICE

Limits opening to 4" while providing for full egress. ASTM F2090 compliant. Available on Casement, Double Hung, and Glider windows.

SASH LIMITER

Permanently limits sash movement for safety and security.



CASEMENT
OPENING CONTROL DEVICE



DOUBLE HUNG
OPENING CONTROL DEVICE



GLIDER
OPENING CONTROL DEVICE



AWNING
SASH LIMITER

IZ3 PRODUCTS FOR COASTAL LIVING

Our Elevate IZ3 Certified products are specifically designed for the extreme conditions and construction requirements of coastal areas. Rigorously tested by third-party agencies to meet or exceed the most stringent coastal codes, they protect against flying debris, driving rain, cyclic pressure, and extreme temperatures. The Ultrex® fiberglass finish exceeds AAMA 624 standards for weathering and fading resistance.



IN HARSH COASTAL CONDITIONS,
YOUR WINDOWS AND DOORS MATTER

Marvin offers windows and doors specifically designed for the coast.



Sliding French door and Picture window in Designer Black

THE MARVIN ELEVATE®
COLLECTION IS AN IDEAL BLEND
OF REMARKABLE DESIGN AND
SUPERIOR STRENGTH.

Warm wood interiors add timeless beauty, while resilient, long-lasting Ultrex® fiberglass exteriors stand up to the toughest conditions, outperforming and outlasting vinyl, roll-form aluminum and other composites.



Double Hung and Casement windows in Pebble Gray



Since we opened as a family-owned and -operated lumber and cedar company in 1912, Marvin has designed products to help people live better. We remain committed to bringing beauty and simplicity into people's lives with windows and doors that stand the test of time.

MARVIN.COM

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Cover Image: Elevate Casement and Direct Glaze windows with Modern Multislide Door

Part #19981914. February 2023. [MUT]

Colors shown in printed materials are simulations and may not precisely duplicate product or finish colors. Contact your local Marvin dealer to view actual product and finish color samples.

SHEET INDEX	
PAGE #	DESCRIPTION
PV-1.0	COVER SHEET
PV-2.0	SITE PLAN
PV-3.0	LAYOUT
PV-4.0	ELECTRICAL
PV-5.0	SIGNAGE

ABBREVIATIONS	
A	AMPERE
AC	ALTERNATING CURRENT
AFC	ARC FAULT CIRCUIT INTERRUPTER
AZIM	AZIMUTH
COMP	COMPOSITION
DC	DIRECT CURRENT
(E)	EXISTING
ESS	ENERGY STORAGE SYSTEM
EXT	EXTERIOR
INT	INTERIOR
MSP	MAIN SERVICE PANEL
(N)	NEW
NTS	NOT TO SCALE
OC	ON CENTER
PRE-FAB	PRE-FABRICATED
PSF	POUNDS PER SQUARE FOOT
PV	PHOTOVOLTAIC
RSD	RAPID SHUTDOWN DEVICE
TL	TRANSFORMERLESS
TYP	TYPICAL
V	VOLTS
W	WATTS
LAN	LANDSCAPE
POR	PORTRAIT

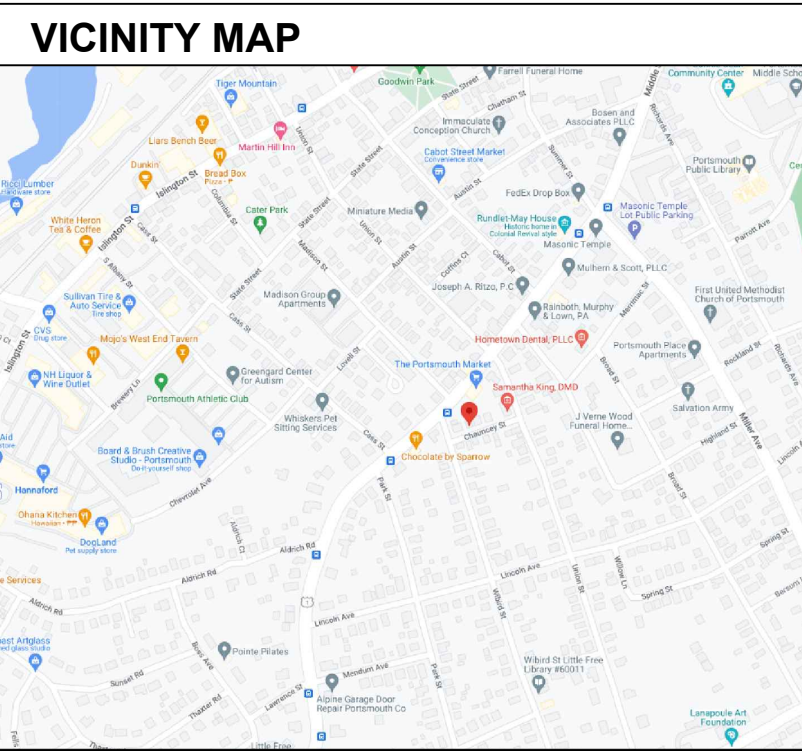
SE	SERVICE ENTRANCE
MP	MAIN PANEL
SP	SUB-PANEL
LC	PV LOAD CENTER
SM	SUNRUN METER
PM	DEDICATED PV METER
INV	INVERTER(S)
AC	AC DISCONNECT(S)
DC	DC DISCONNECT(S)
CB	IQ COMBINER BOX
[Dashed Box]	INTERIOR EQUIPMENT SHOWN AS DASHED
[Chimney Icon]	CHIMNEY
[Attic Vent Icon]	ATTIC VENT
[Flush Attic Vent Icon]	FLUSH ATTIC VENT
[PVC Pipe Vent Icon]	PVC PIPE VENT
[T-Vent Icon]	T-VENT
[Satellite Dish Icon]	SATELLITE DISH
[Fire Setback Icon]	FIRE SETBACKS
[Hardscape Icon]	HARDSCAPE
PL	PROPERTY LINE
[Solar Module Array]	SOLAR MODULES
[SNR Mount]	SNR MOUNT
[SNR Mount & Skirt]	SNR MOUNT & SKIRT

SCALE: NTS

LEGEND

SCOPE OF WORK

- SYSTEM SIZE: 8250W DC, 6000W AC
- MODULES: (22) VIKRAM SOLAR: VSMDHT.60.375.05
- INVERTERS: (1) SOLAREEDGE TECHNOLOGIES: SE6000H-USSN
- RACKING: RL UNIVERSAL, SPEEDSEAL TRACK ON COMP, SEE DETAIL SNR-DC-00436



GENERAL NOTES

- ALL WORK SHALL COMPLY WITH 2018 IRC/IBC/IEBC, MUNICIPAL CODE, AND ALL MANUFACTURERS' LISTINGS AND INSTALLATION INSTRUCTIONS.
- PHOTOVOLTAIC SYSTEM WILL COMPLY WITH NEC 2020.
- ELECTRICAL SYSTEM GROUNDING WILL COMPLY WITH NEC 2020.
- PHOTOVOLTAIC SYSTEM IS UNGROUNDED. NO CONDUCTORS ARE SOLIDLY GROUNDED IN THE INVERTER. SYSTEM COMPLIES WITH 690.35.
- MODULES CONFORM TO AND ARE LISTED UNDER UL 61730.
- INVERTER CONFORMS TO AND IS LISTED UNDER UL 1741.
- RACKING CONFORMS TO AND IS LISTED UNDER UL 2703.
- SNAPRACK RACKING SYSTEMS, IN COMBINATION WITH TYPE I, OR TYPE II MODULES, ARE CLASS A FIRE RATED.
- RAPID SHUTDOWN REQUIREMENTS MET WHEN INVERTERS AND ALL CONDUCTORS ARE WITHIN ARRAY BOUNDARIES PER NEC 690.12(1).
- CONSTRUCTION FOREMAN TO PLACE CONDUIT RUN PER 690.31(D).
- ARRAY DC CONDUCTORS ARE SIZED FOR DERATED CURRENT.
- 12.82 AMPS MODULE SHORT CIRCUIT CURRENT.
- 20.03 AMPS DERATED SHORT CIRCUIT CURRENT [690.8 (A) & 690.8 (B)].
- PV INSTALLATION COMPLIES WITH THE NEC 2020 ARTICLE 690.12(B)(2)(2). CONTROLLED CONDUCTORS LOCATED INSIDE THE ARRAY BOUNDARY ARE LIMITED TO 80 VOLTS WITHIN 30 SECOND OF A RAPID SHUTDOWN INITIATION

REV	NAME	DATE	COMMENTS

SUNRUN

#180120

200 RESEARCH DR, WILMINGTON, MA 01887
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
LAWRENCE BARR
39 CHAUNCEY ST,
PORTSMOUTH, NH, 03801

TEL. (603) 431-3767
APN: PRSM-000134-000031

PROJECT NUMBER:
222R-039BAR1

DESIGNER: (415) 580-6920 ex3
JOSHUA DAMIAS

SHEET
COVER SHEET

REV: A 8/18/2023
PAGE PV-1.0

SITE PLAN - SCALE = 3/32" = 1'-0"



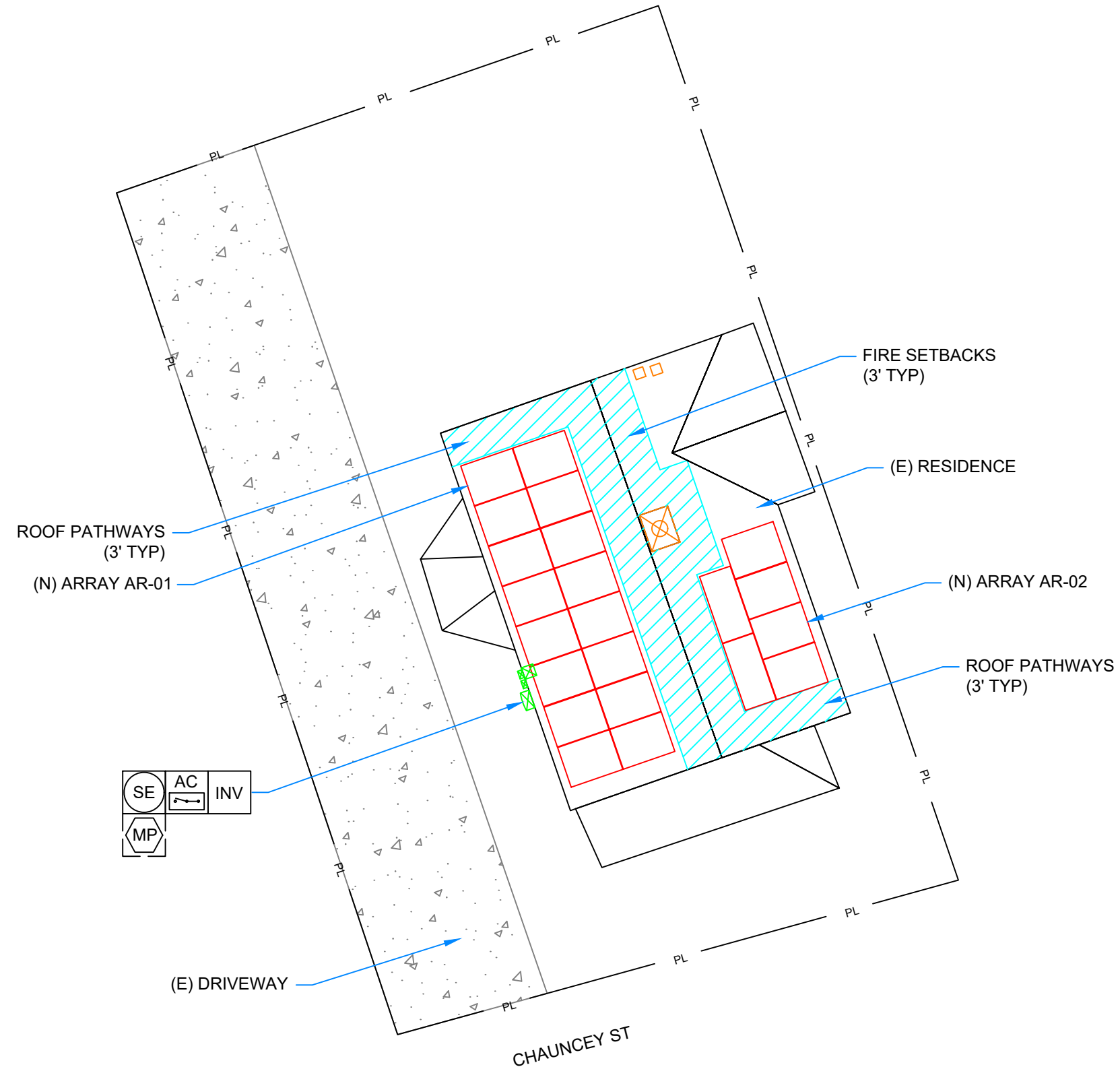
	ARRAY PITCH	TRUE AZIM	MAG AZIM	PV AREA (SQFT)
AR-01	39°	251°	265°	319.4
AR-02	39°	71°	85°	119.8

NOTES:

- RESIDENCE DOES NOT CONTAIN ACTIVE FIRE SPRINKLERS.

ARRAY DETAILS:

- TOTAL ROOF SURFACE AREA: 1273 SQFT.
- TOTAL PV ARRAY AREA: 439.2 SQ FT.
- PERCENTAGE PV COVERAGE:
(TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 34.5%



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JOSHUA DAMIAS

SHEET
SITE PLAN

REV: A 8/18/2023

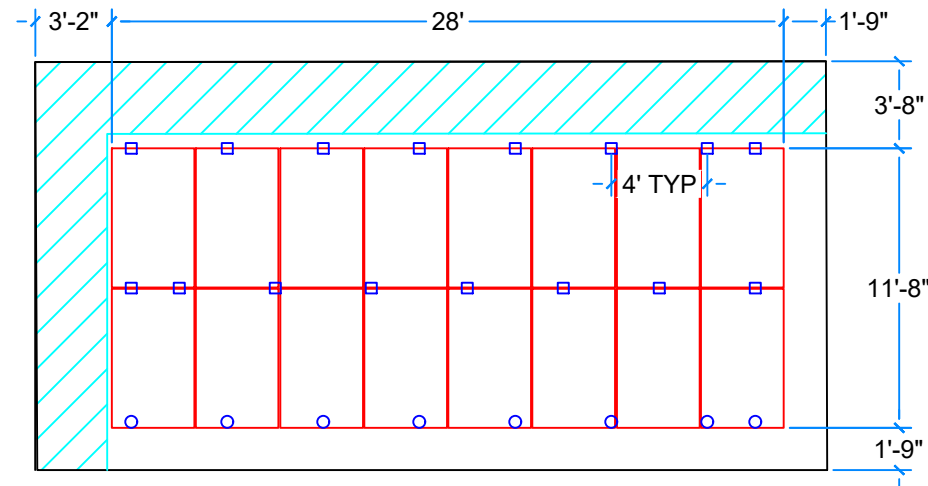
PAGE
PV-2.0

ROOF INFO			FRAMING INFO			ATTACHMENT INFORMATION					
Name	Type	Height	Type	Max Span	OC Spacing	Detail	Max Landscape OC Spacing	Max Landscape Overhang	Max Portrait OC Spacing	Max Portrait Overhang	Configuration
AR-01	COMP SHINGLE - RLU	2-Story	2X6 RAFTERS	6' - 4"	24"	RL UNIVERSAL, SPEEDSEAL TRACK ON COMP, SEE DETAIL SNR-DC-00436	6' - 0"	2' - 4"	4' - 0"	2' - 0"	STAGGERED
AR-02	COMP SHINGLE - RLU	2-Story	2X6 RAFTERS	6' - 0"	24"	RL UNIVERSAL, SPEEDSEAL TRACK ON COMP, SEE DETAIL SNR-DC-00436	6' - 0"	2' - 4"	4' - 0"	2' - 0"	STAGGERED

D1 - AR-01 - SCALE: 1/8" = 1'-0"

AZIM: 251°

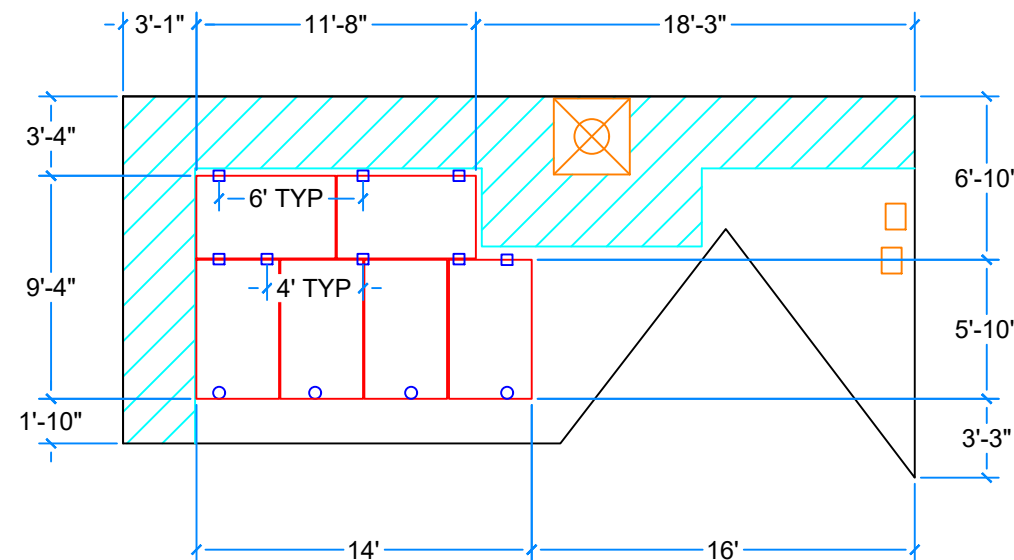
PITCH: 39°



D2 - AR-02 - SCALE: 1/8" = 1'-0"

AZIM: 71°

PITCH: 39°



Exp. 05/31/2025
Signed on: 8/18/2023

SUNRUN

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PROJECT NUMBER:
222R-039BAR1

DESIGNER: (415) 580-6920 ex3
JOSHUA DAMIAS

SHEET
LAYOUT

REV: A 8/18/2023

PAGE
PV-3.0

DESIGN CRITERIA

MAX DISTRIBUTED LOAD: 3 PSF

SNOW LOAD: 50 PSF

WIND SPEED:

115 MPH 3-SEC GUST.

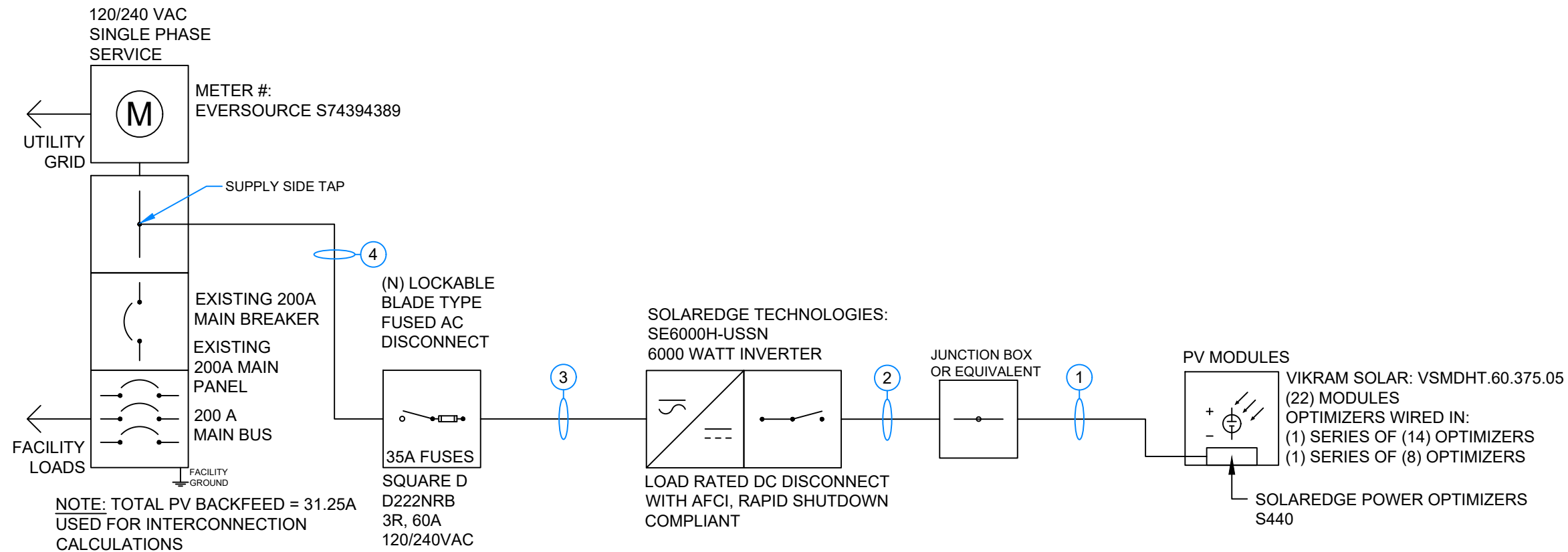
S.S. LAG SCREW

5/16"x4.5"x2.5" MIN. EMBEDMENT

STRUCTURAL NOTES:

INSTALLERS SHALL NOTIFY ENGINEER OF ANY POTENTIAL STRUCTURAL ISSUES OBSERVED PRIOR TO PROCEEDING W/ INSTALLATION.

- IF ARRAY (EXCLUDING SKIRT) IS WITHIN 12" BOUNDARY REGION OF ANY ROOF PLANE EDGES (EXCEPT VALLEYS), THEN ATTACHMENTS NEED TO BE ADDED AND OVERHANG REDUCED WITHIN THE 12" BOUNDARY REGION ONLY AS FOLLOWS:
 - ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS TO BE REDUCED BY 50%.
 - ALLOWABLE OVERHANG INDICATED ON PLANS TO BE 1/5TH OF ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS.



TAP DEVICE MUST BE MARKED "SUITABLE FOR USE ON THE LINE SIDE OF THE SERVICE EQUIPMENT" OR EQUIVALENT

CONDUIT SCHEDULE

#	CONDUIT	CONDUCTOR	NEUTRAL	GROUND
1	NONE	(4) 10 AWG PV WIRE	NONE	(1) 6 AWG BARE COPPER
2	3/4" EMT OR EQUIV.	(4) 10 AWG THHN/THWN-2	NONE	(1) 8 AWG THHN/THWN-2
3	3/4" EMT OR EQUIV.	(2) 8 AWG THHN/THWN-2	(1) 10 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2
4	3/4" EMT OR EQUIV.	(2) 6 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2	(1) 8 AWG THHN/THWN-2

MODULE CHARACTERISTICS

VIKRAM SOLAR: VSMDHT.60.375.05: 375 W
 OPEN CIRCUIT VOLTAGE: 41.1 V
 MAX POWER VOLTAGE: 34.9 V
 SHORT CIRCUIT CURRENT: 12.82 A

S440 OPTIMIZER CHARACTERISTICS:

MIN INPUT VOLTAGE: 8 VDC
 MAX INPUT VOLTAGE: 60 VDC
 MAX INPUT ISC: 14.5 ADC
 MAX OUTPUT CURRENT: 15 ADC

SYSTEM CHARACTERISTICS - INVERTER 1

SYSTEM SIZE: 8250 W
 SYSTEM OPEN CIRCUIT VOLTAGE: 14 V
 SYSTEM OPERATING VOLTAGE: 380 V
 MAX ALLOWABLE DC VOLTAGE: 480 V
 SYSTEM OPERATING CURRENT: 21.72 A
 SYSTEM SHORT CIRCUIT CURRENT: 30 A

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DESIGNER: (415) 580-6920 ex3
 JOSHUA DAMIAS

SHEET
ELECTRICAL

REV: A 8/18/2023

PAGE
PV-4.0

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

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2020: 690.13(B), CEC 2022: 690.13(B)

! WARNING
DUAL POWER SUPPLY
SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.
PER CODE(S): NEC 2020: 705.12(C), CEC 2022: 705.12(C)

! WARNING
POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE).
PER CODE(S): NEC 2020: 705.12(B)(3)(2), CEC 2022: 705.12(B)(3)(2)

! WARNING
THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR

LABEL LOCATION:
PV LOAD CENTER (IF APPLICABLE) AND ANY PANEL THAT UTILIZES "THE SUM OF BREAKERS RULE".
PER CODE(S): NEC 2020: 705.12 (B)(3)(3), CEC 2022: 705.12 (B)(3)(3)

PV SYSTEM DISCONNECT
MAXIMUM AC OPERATING CURRENT: 25.00 AMPS
NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION:
AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF INTERCONNECTION.
PER CODE(S): NEC 2020: 690.54, CEC 2022: 690.54

INVERTER 1

PHOTOVOLTAIC DC DISCONNECT
MAXIMUM SYSTEM VOLTAGE: 480 VDC

LABEL LOCATION:
INVERTER(S), DC DISCONNECT(S).
PER CODE(S): NEC 2020: 690.53, CEC 2022: 690.53

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION:
INTERIOR AND EXTERIOR DC CONDUIT EVERY 10 FT, AT EACH TURN, ABOVE AND BELOW PENETRATIONS, ON EVERY JB/PULL BOX CONTAINING DC CIRCUITS.
PER CODE(S): NEC 2020: 690.31(D)(2), CEC 2022: 690.31(D)(2)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2020: 690.56(C)(2), CEC 2022: 690.56(C)(2), IFC 2018: 1204.5.3

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN
TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.

LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.
PER CODE(S): NEC 2020: 690.56(C), CEC 2022: 690.56(C)

NOTES AND SPECIFICATIONS:

- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2020 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

CAUTION: MULTIPLE SOURCES OF POWER

SOLAR PANELS ON ROOF

INVERTER (EXT)
AC DISCONNECT
SERVICE ENTRANCE
MAIN PANEL (INT)

39 CHAUNCEY ST, PORTSMOUTH, NH, 03801

PER CODE(S): NEC 2020 : 705.10, 710.10, CEC 2022: 705.10, 710.10

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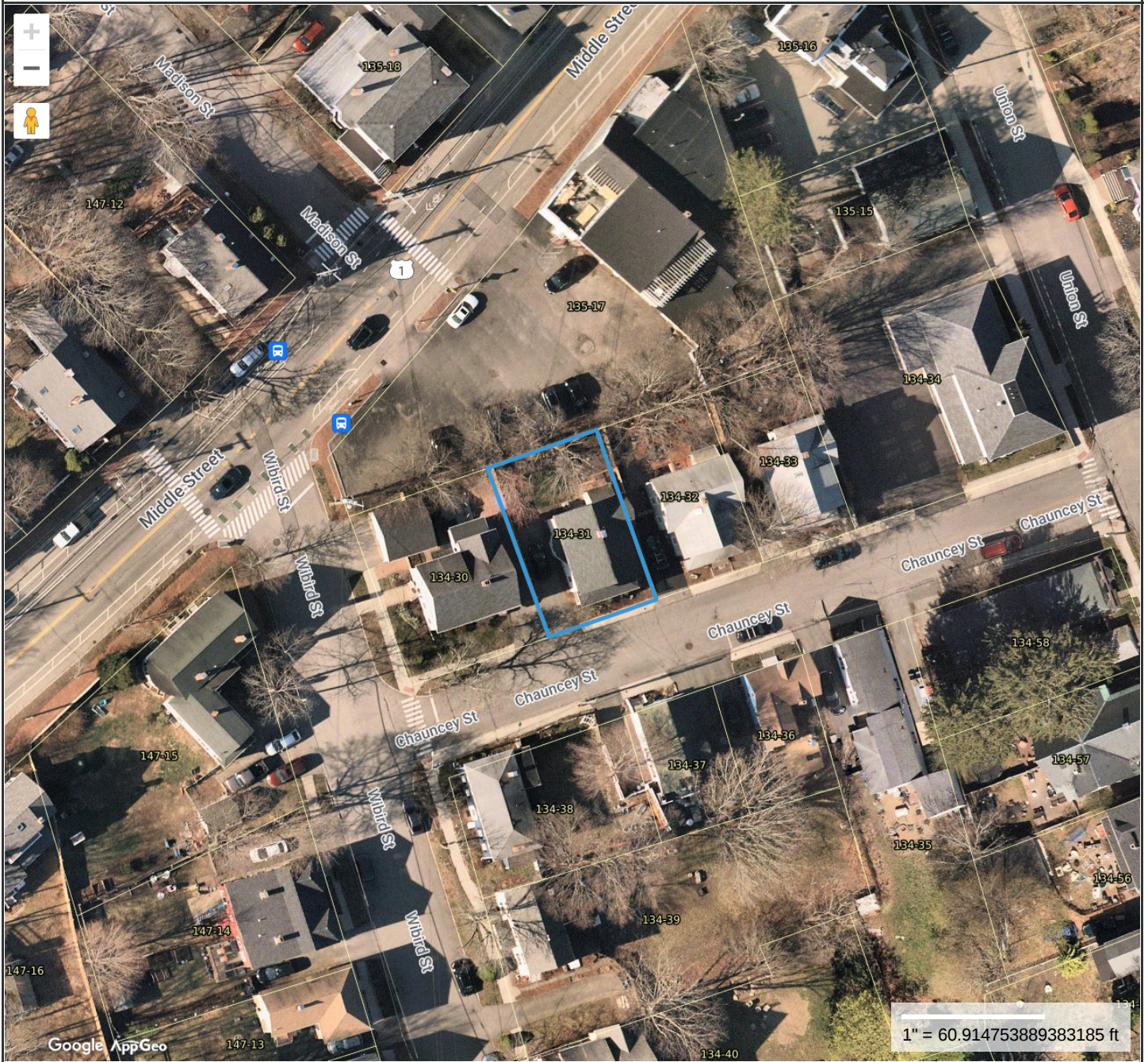
DESIGNER: (415) 580-6920 ex3
JOSHUA DAMIAS

SHEET **SIGNAGE**

REV: A 8/18/2023

PAGE **PV-5.0**

39 Chauncey Street



Property Information

Property ID 0134-0031-0000
Location 39 CHAUNCEY ST
Owner BARR LAWRENCE C



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

City of Portsmouth, NH makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 08/24/2023
Data updated 3/9/2022

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.





14 MARKET SQUARE



DRAWING LIST

- H0.0 COVER
- H0.1 CONTEXT MAP
- H0.2 HISTORIC PHOTOS
- H0.3 EXISTING STREET VIEW PHOTOS
- H0.4 EXISTING BIRDSEYE ROOF PHOTOS
- H1.0 ROOF PLANS
- H2.1 FRONT ELEVATION
- H2.1 SIDE ELEVATION, EXISTING
- H2.2 SIDE ELEVATION, PROPOSED
- H3.1 3D VIEWS

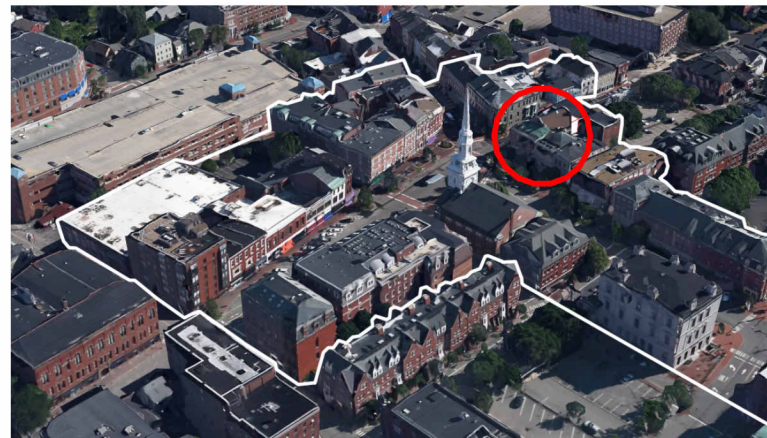
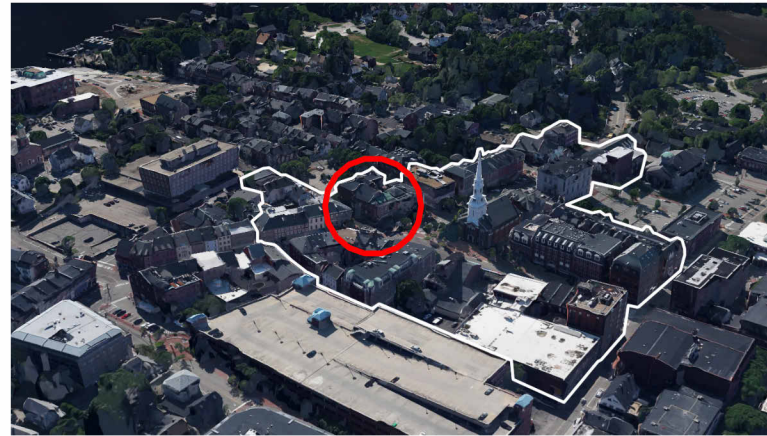
14 MARKET SQUARE - ROOFTOP MECHANICAL ADDITION JOHN GALT, LLC

HDC WORK SESSION 2
OCTOBER 2023





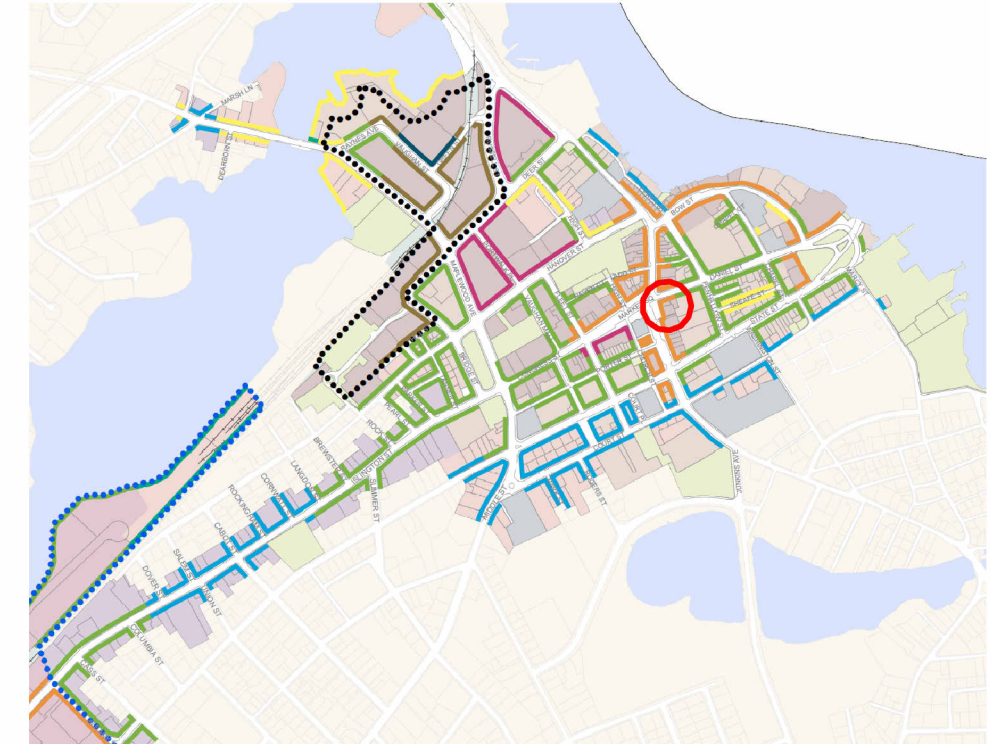
300' RADIUS GIS MAP



PROJECT SUMMARY

NEW ROOFTOP ADDITIONS:

1. FIRE STAIR PENTHOUSE FOR SAFE ROOF ACCESS
2. ROOF HATCH AND MECHANICAL PLATFORM FOR MECHANICAL EQUIPMENT
3. SAFETY GUARDRAIL BEHIND PARAPET



ZONING SUMMARY

Legend

CHARACTER DISTRICT CD-5

DOWNTOWN OVERLAY DISTRICT HEIGHT -

PLEASANT STREET: 2-3 STORIES (SHORT 4TH), 45'
 DANIEL STREET: 2-3 STORIES (SHORT 4TH), 45'

CURRENT USE:
 FIRST FLOOR - RESTAURANT
 SECOND & THIRD FLOOR - OFFICE
 ATTIC - STORAGE

PROPOSED USE:
 FIRST FLOOR - RESTAURANT
 SECOND, THIRD, & ATTIC - RESIDENTIAL

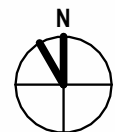
Height requirement area	Maximum building height*
1 Story	20'
2 Stories	35'
2 Stories (short 3rd*)	35'
2-3 Stories	40'
2-3 Stories (short 4th*)	45'
2-4 Stories	50'
2-4 Stories (short 5th*)	60'
2-5 Stories	60'

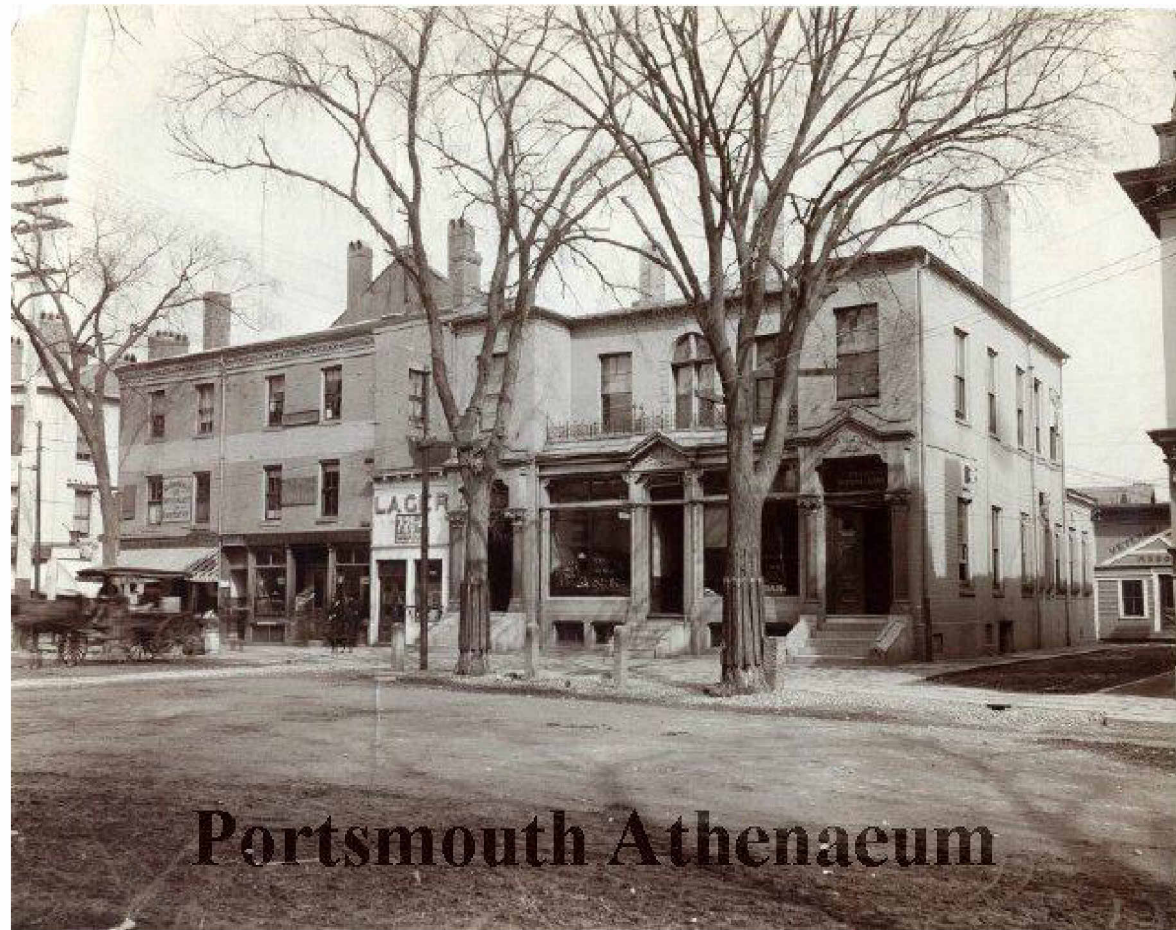
*Penthouse Levels may exceed the building height by 2 feet.

1. A short story includes either: 1) use of a top story below the cornice line of a sloped roof that is at least 20% shorter in height than the story below; or 2) a story within a mansard roof with a pitch no greater than 30:12.

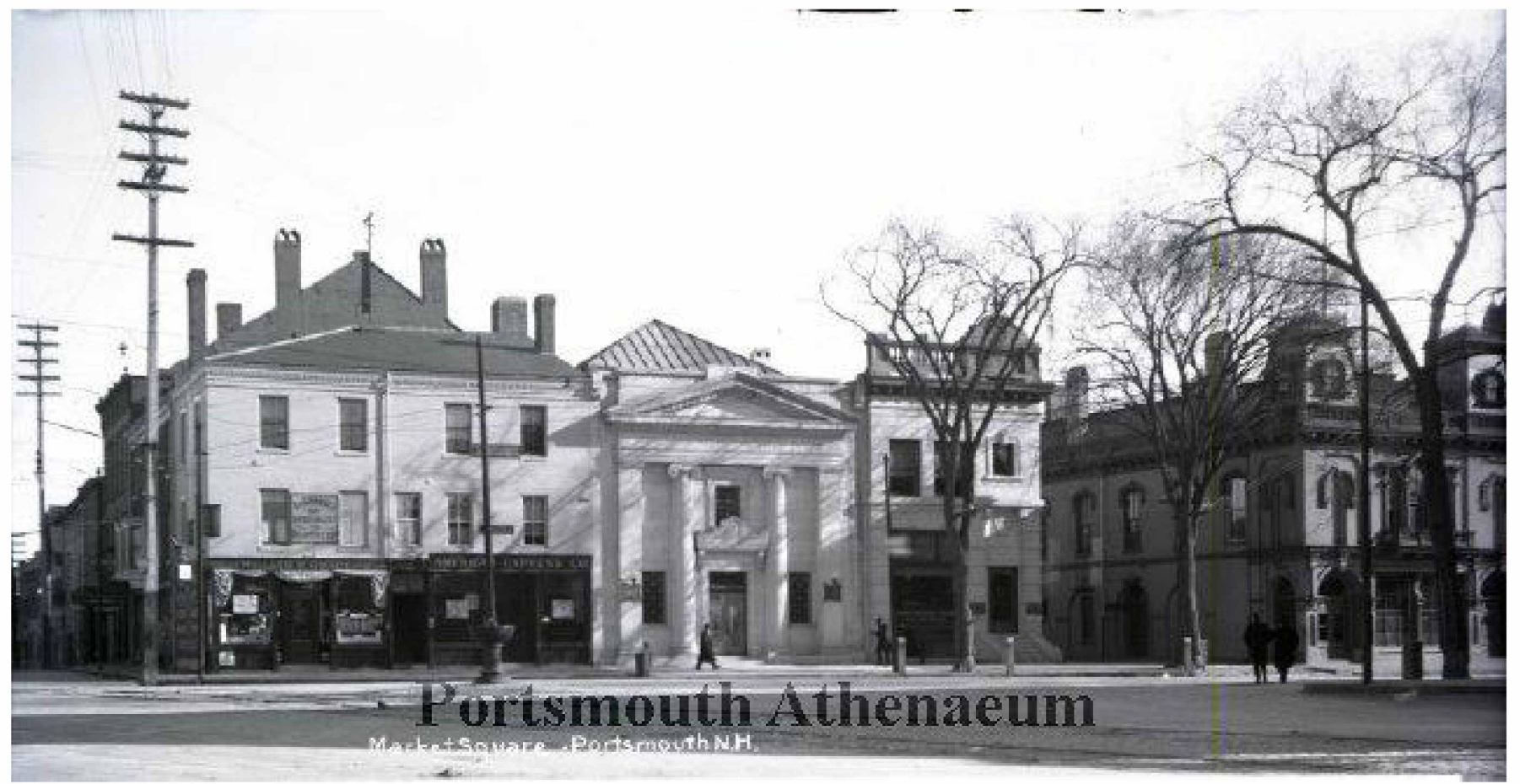
2. When a lot is assigned to more than one height requirement standard refer to the requirements listed in Section 10.5A21.22.

3. Attic space within either a gable, gambrel, hip or hip-top mansard roof or a penthouse level on a flat roof is not considered a story. Attic space is permitted above the top story provided the proposed building is no greater than the maximum building height.





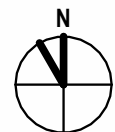
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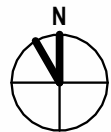


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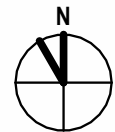
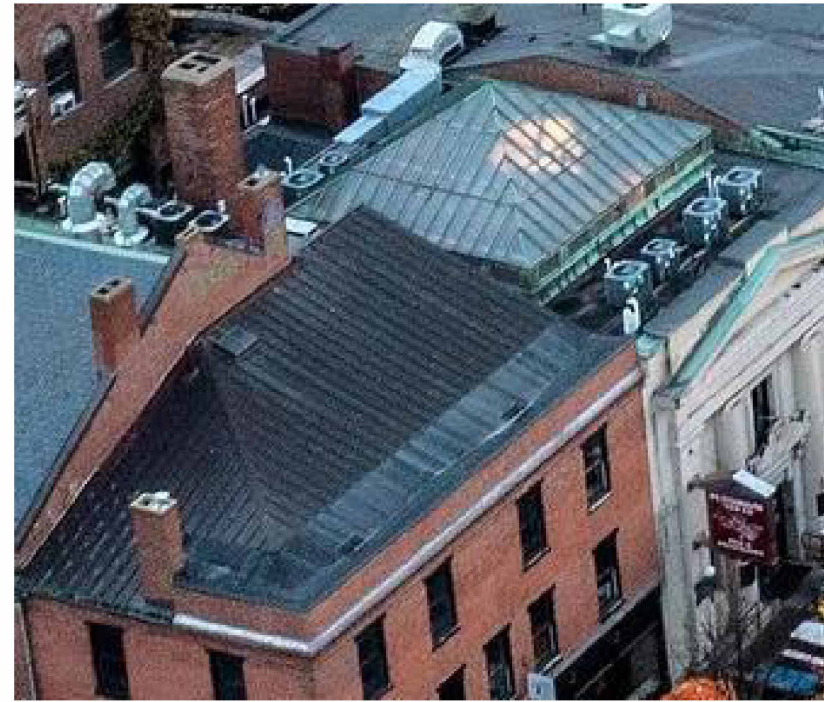


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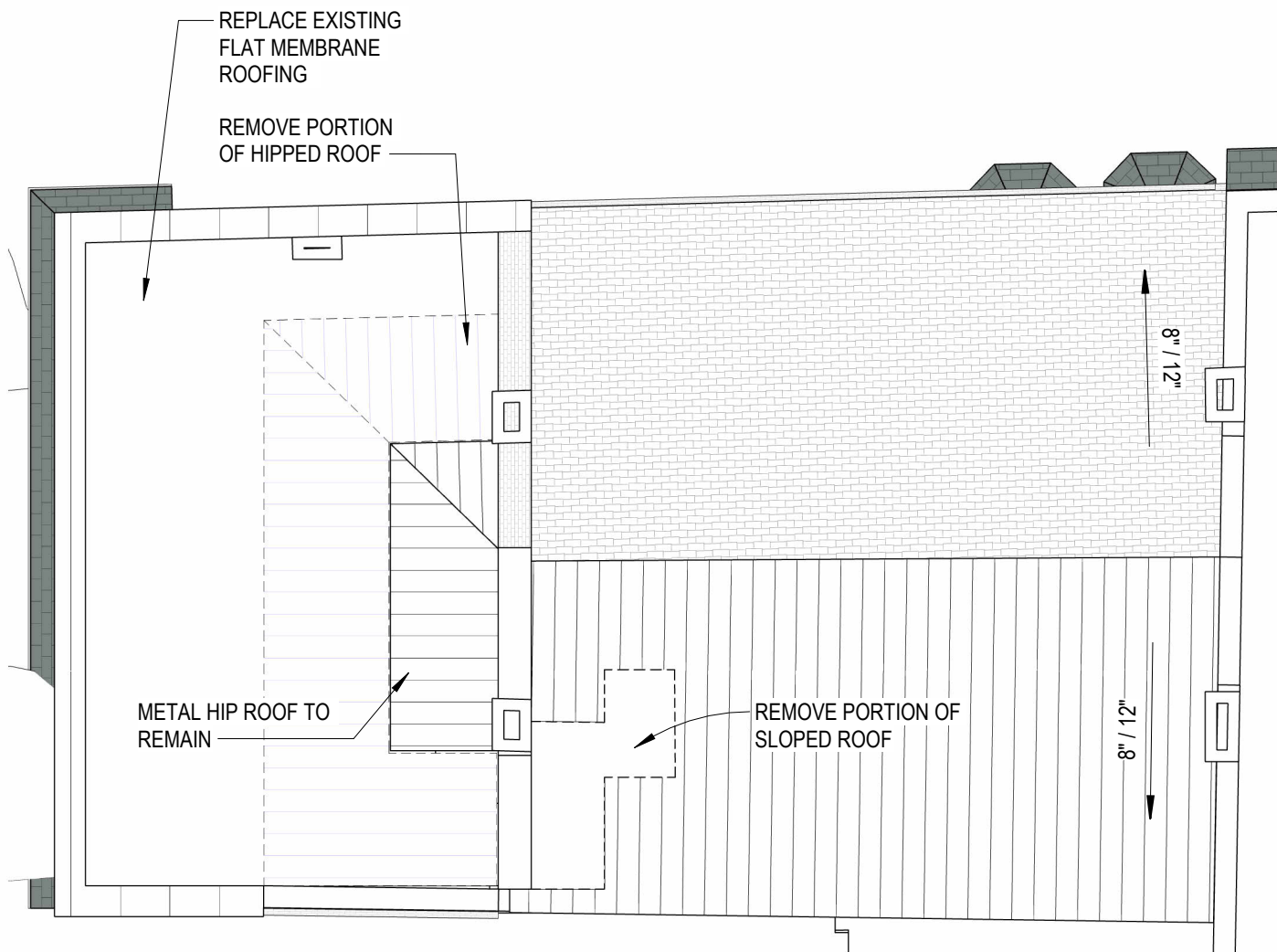




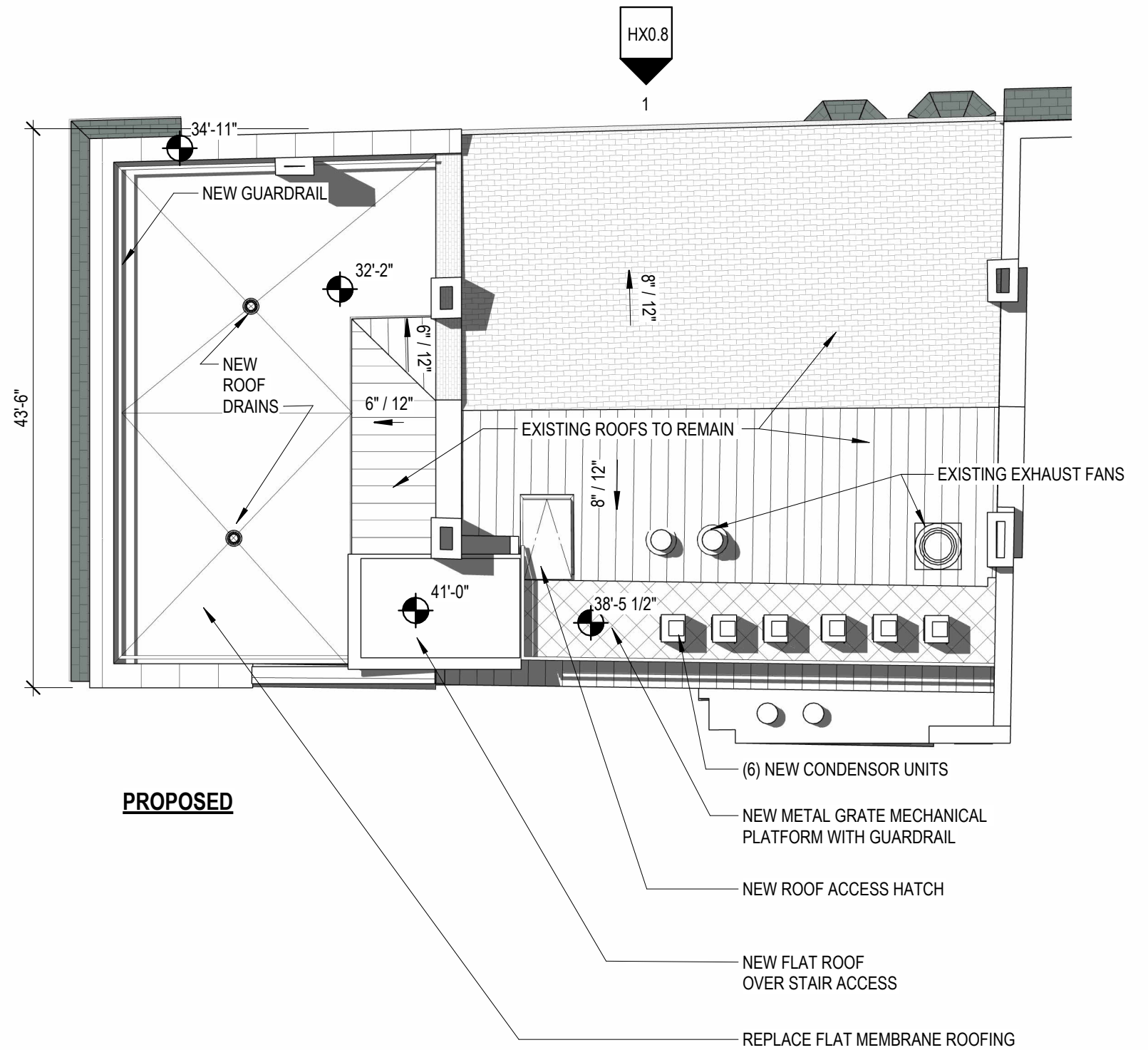
EXISTING STREET VIEW PHOTOS
14 MARKET SQUARE



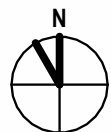
EXISTING BIRDSEYE ROOF PHOTOS
14 MARKET SQUARE



EXISTING



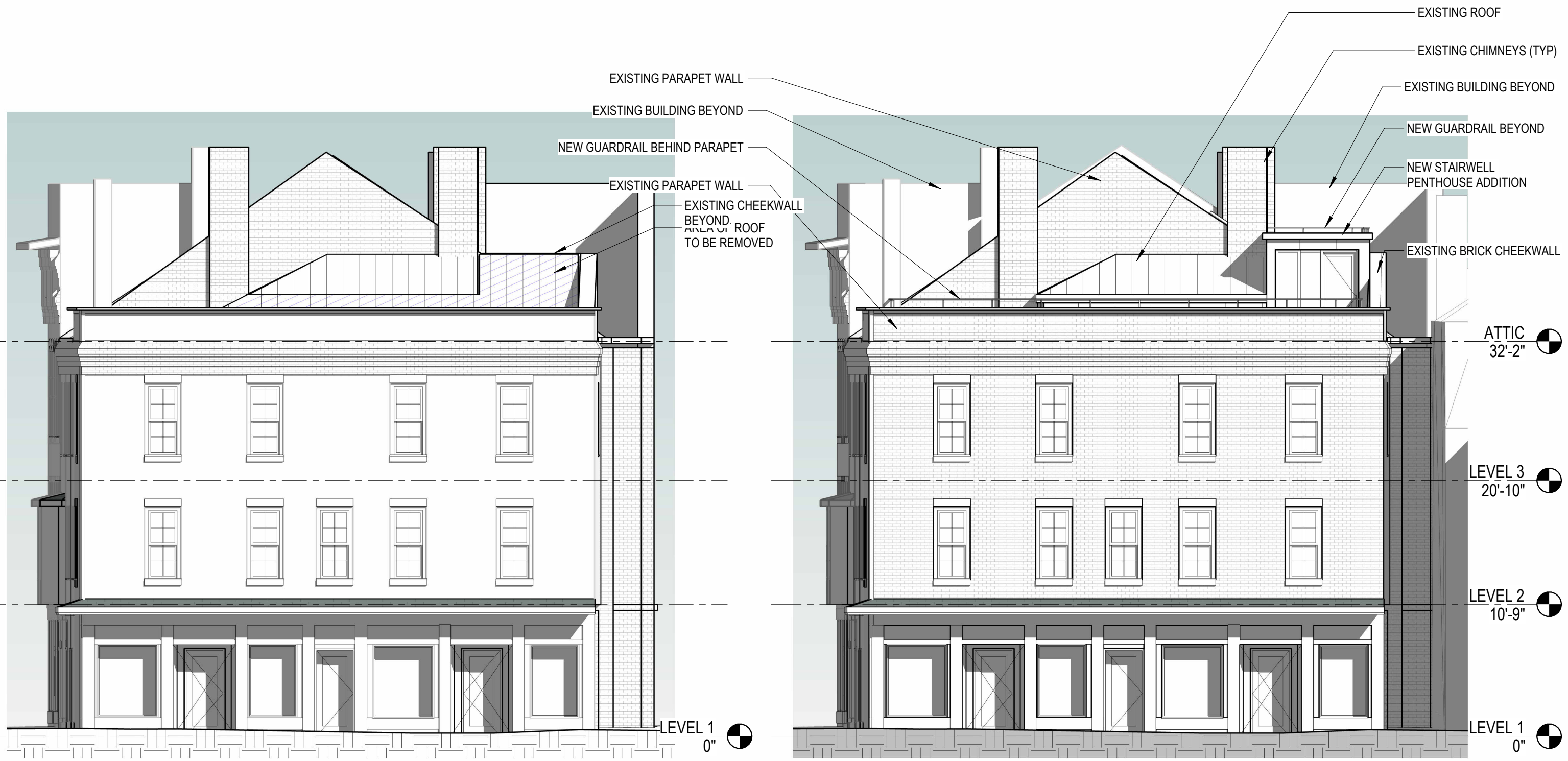
PROPOSED



ROOF PLAN
14 MARKET SQUARE

H1.0

9/22/2023
PROJECT NO:1014



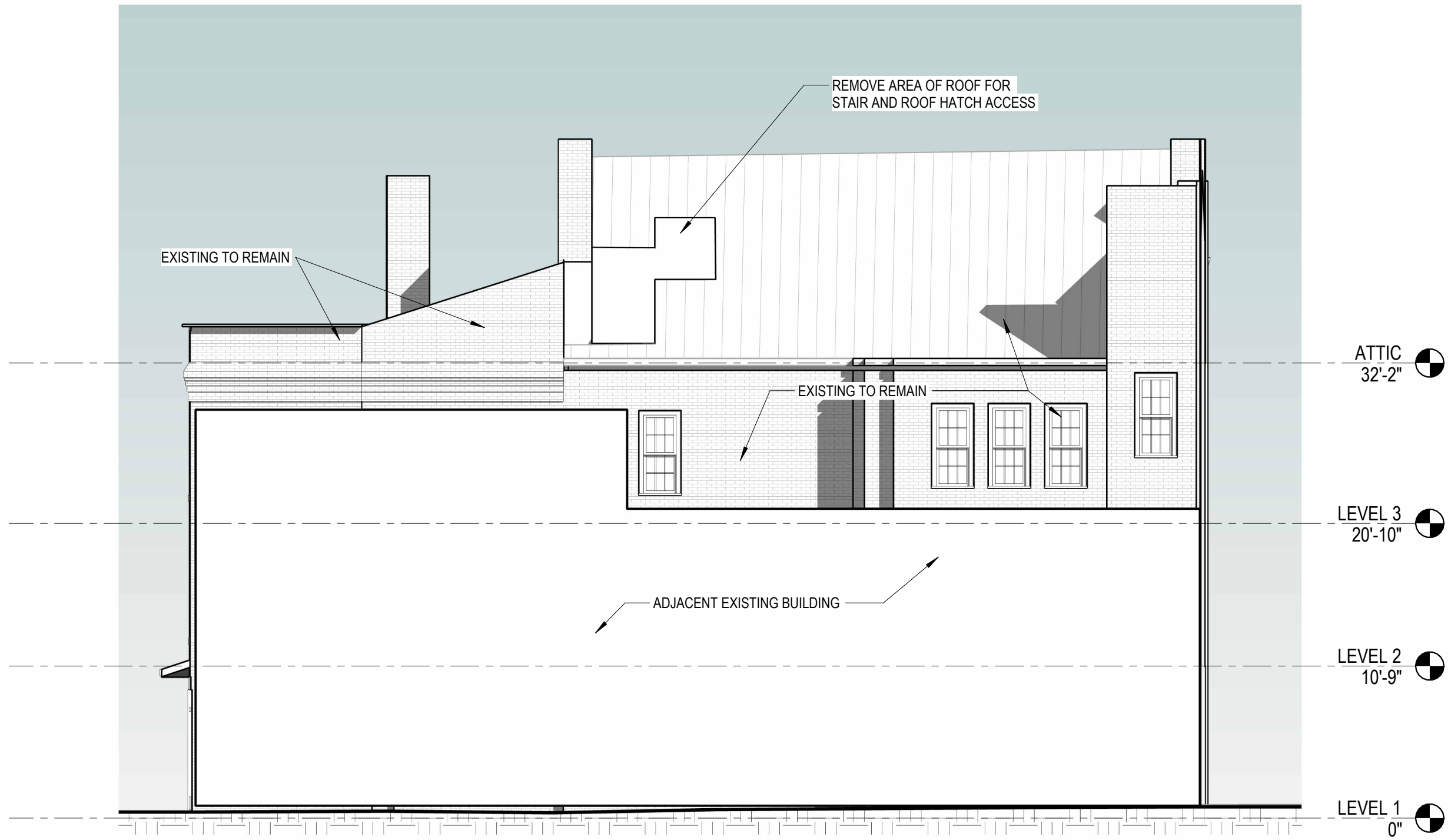
EXISTING

PROPOSED

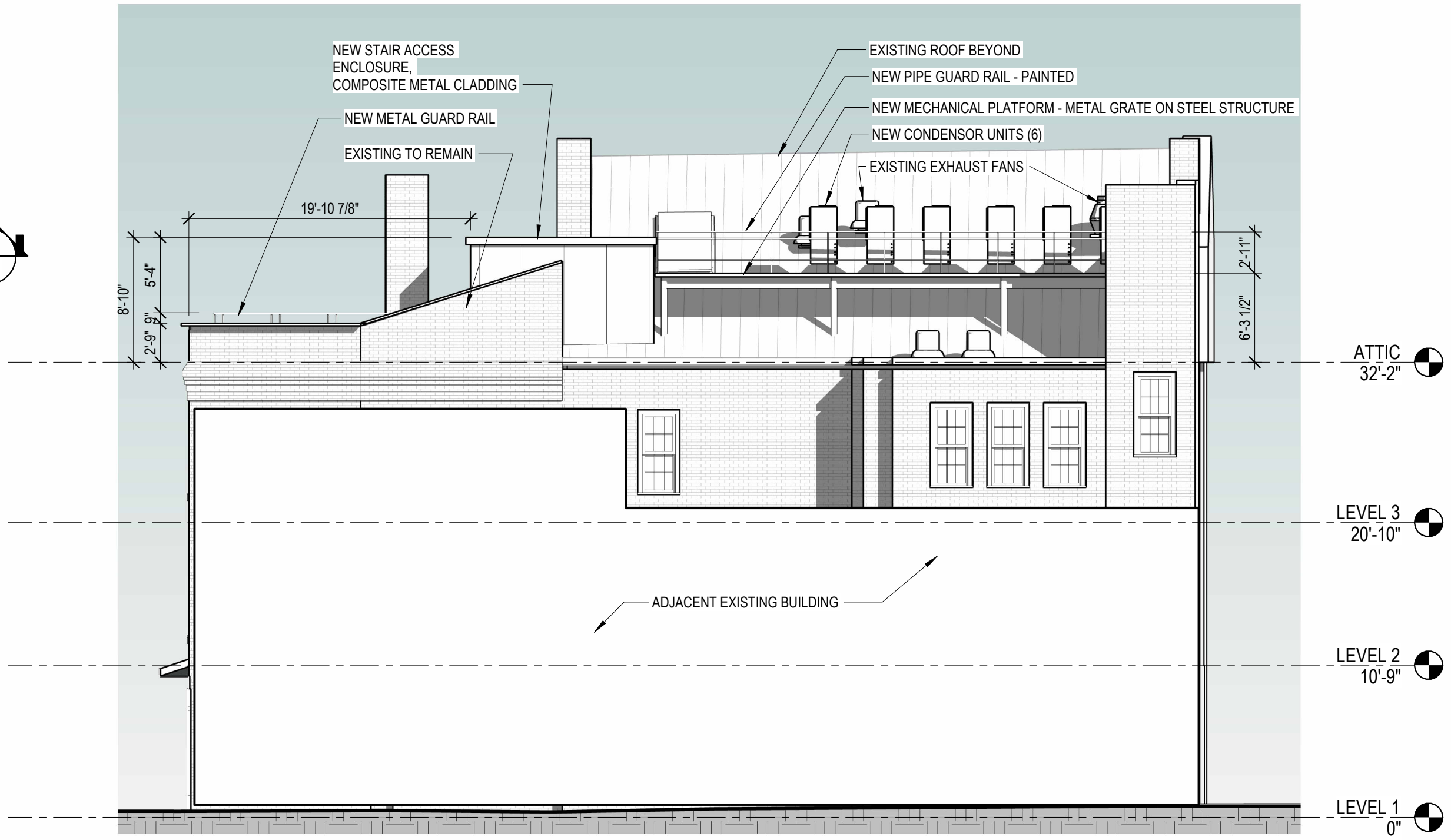
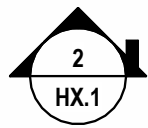


FRONT ELEVATION
14 MARKET SQUARE

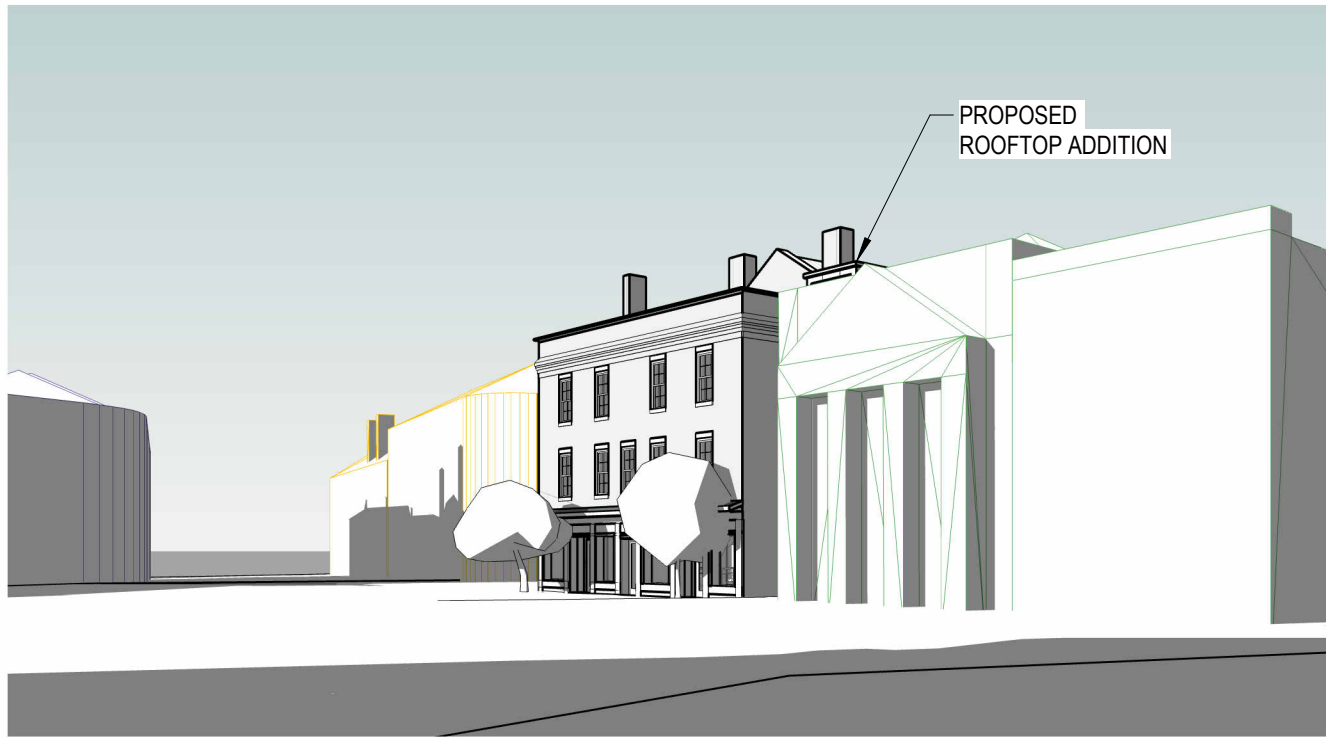
H2.1
9/22/2023
PROJECT NO:1014



SIDE ELEVATION - EXISTING
14 MARKET SQUARE



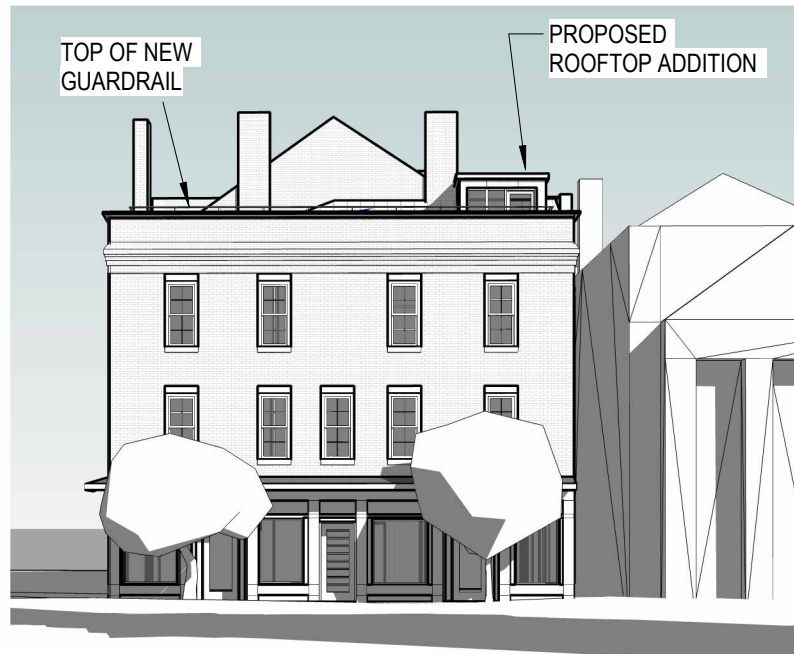
SIDE ELEVATION - PROPOSED
14 MARKET SQUARE



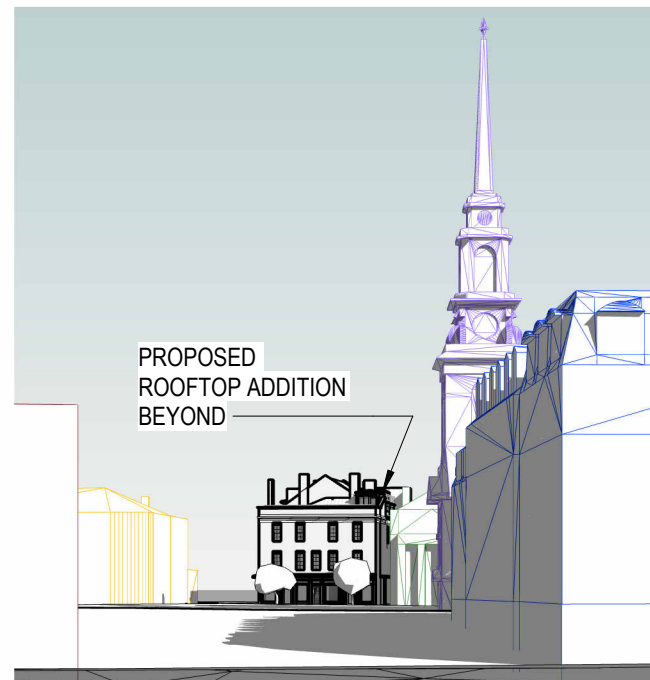
1 FROM PLEASANT STREET AT STONEWALL KITCHEN



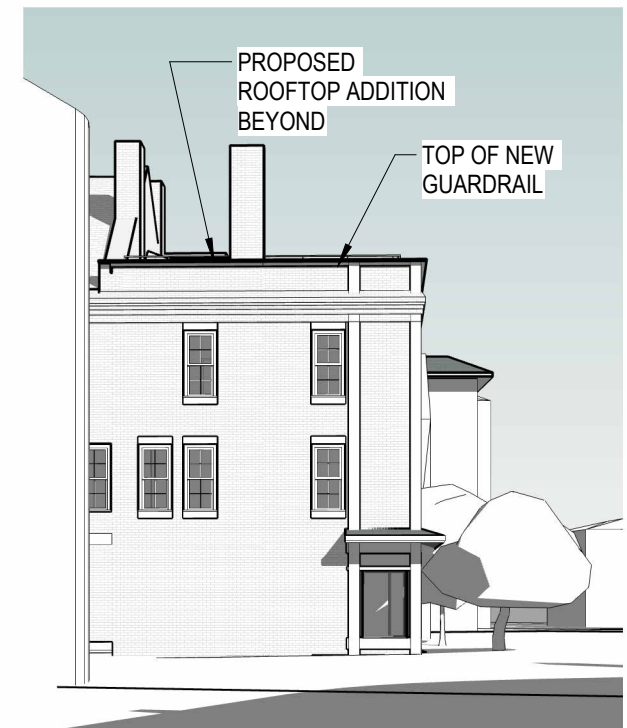
2 FROM CONGRESS STREET AT BUS STOP



3 FROM CONGRESS ST IN FRONT OF POPOVERS



4 FROM CONGRESS ST AT FLEET STREET



5 FROM DANIEL STREET LOOKING SOUTH





195 Commerce Way
Portsmouth, NH 03801

978.587.7317
novocure.com

September 13, 2023

City of Portsmouth
1 Junkins Ave
Portsmouth, NH 03801

Attn: Historic District Commission
Re: 64 Vaughan Mall

To whom it may concern,

I am writing to request a working session with the Historic District Commission to discuss proposed informational displays we would like to exhibit in the windows on the Vaugh Mall side of our building.

The series of eight 65" horizontal screens facing the pedestrian walk way is intended to convey information about Novocure's mission, our science, our connection to the community and other relevant topics.

The displays will be presented in a tasteful, artistic way designed to complement the building and its exhibit windows.

We look forward to your input on how best to tailor this approach to meet the objectives of the Historic District Commission. Thank you for your consideration.

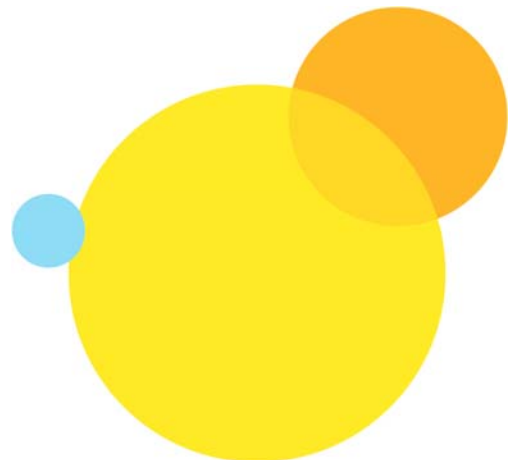
Sincerely,

Dean Smith

A handwritten signature in black ink, appearing to read "Dean Smith", with a long horizontal flourish extending to the right.

Associate Director, North American Facilities
Novocure Inc.

patientforward



Novocure Vaughn Mall Window Informational Display Proposal

The informational displays are made up of eight 65” horizontal screens facing the street, draws passersby in and gives them an understanding of Novocure’s mission at a glance. Quotes and imagery celebrating Novocure are overlaid on top of a dynamic background of TTFields that changes color throughout the day. These intersecting lines serve as the thread that weaves the imagery and text together.

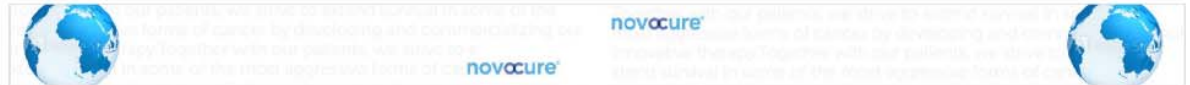


Potential Graphics



V2 Globally: A globe on the far left and far right screens are subtly spinning/rotating. A sphere launches from one of the globes and spans across a few screens, landing in the center. The sphere expands and reveals content/imagery and then fades away. The background has shimmering text with Novocure's core mission statement. The Novocure logo is also visible in random screens for brand identity.

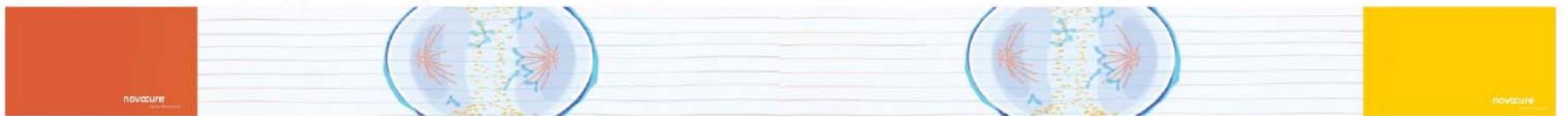
Layout seen with no content



Content Mapping for each Screen



Potential Graphics – Cont.



NOVOCURE: Vaughan Mall Informational Displays

Warm Gradient Screen Sample

The 8 screen display will have 2 states of visual content to show. They play in a seamless, looping way. The first (as shown in the first 3 screen state groups) shows a scrolling question, "Who is Novocure?", with the response shown on each of the 8 screens and then sentence callouts across 4 screens on the left and 4 screens on the right. This allows each screen to be an individual experience, but also allows the screens to all work together if a visitor is viewing them from a perspective farther back. The second (represented by Group 4 below) is where the "Who is Novocure?" visuals transition to display imagery and video from the CMS on different screens. They might also do a slow pan to indicate changing images across all the screens within a set. This sample shows the content mentioned on a warm gradient.



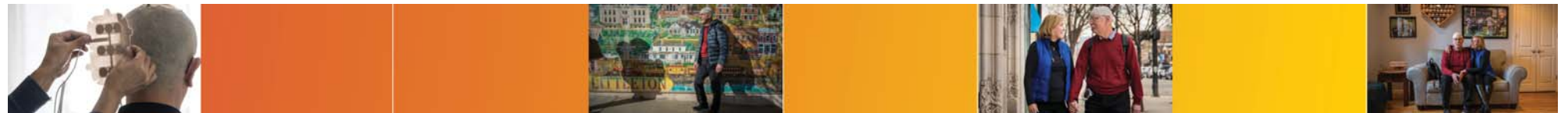
Group 1: Content



Group 2: Content



Group 3: Content



Group 4: Image & Video

NOVOCURE: Vaughan Mall Informational Displays

Warm Gradient - Rendering

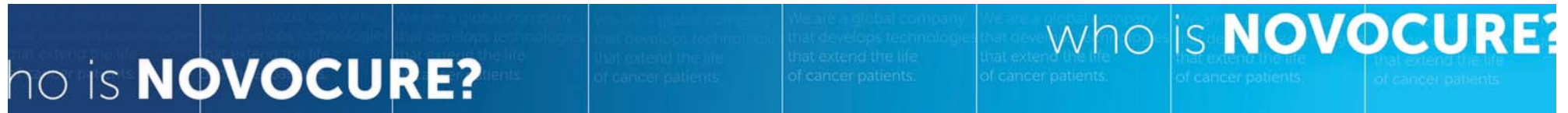
Below shows content in its text display state with particular breaks in the screen to mimic the space and experience within the windows. A rendering can be seen below to show what the visitor experience would be like. This sample shows the content mentioned on a warm gradient.



NOVOCURE: Vaughan Mall Informational Displays

Cool Gradient Screen Sample

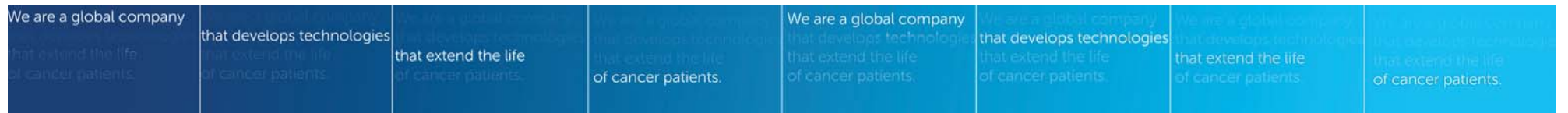
The gradient color changes throughout the day. This is the same content as above, but portraying a cool gradient.



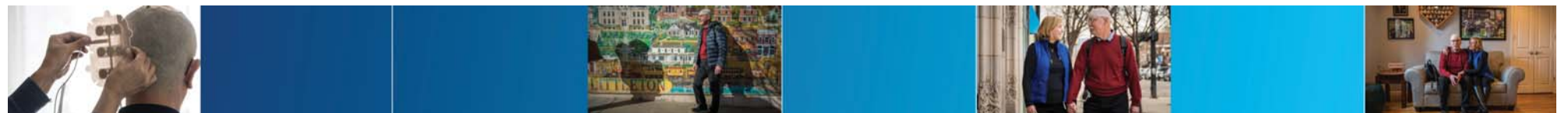
Group 1: Content



Group 2: Content



Group 3: Content



Group 4: Image & Video

NOVOCURE: Vaughan Mall Informational Displays

Cool Gradient - Rendering

Below shows content in its text display state with particular breaks in the screen to mimic the space and experience within the windows. A rendering can be seen below to show what the visitor experience would be like. This sample shows the content mentioned on a cool gradient.



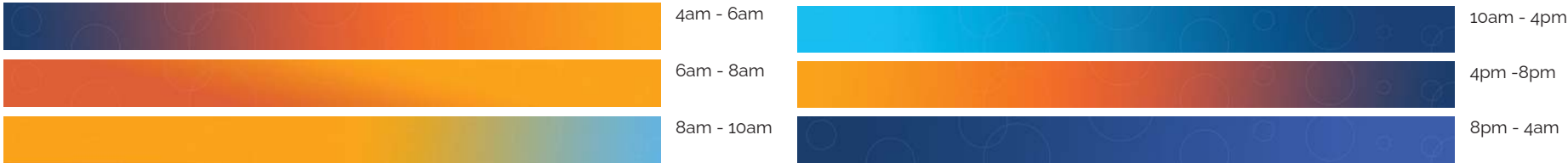
NOVOCURE: Vaughan Mall Informational Displays

Image & Video Content

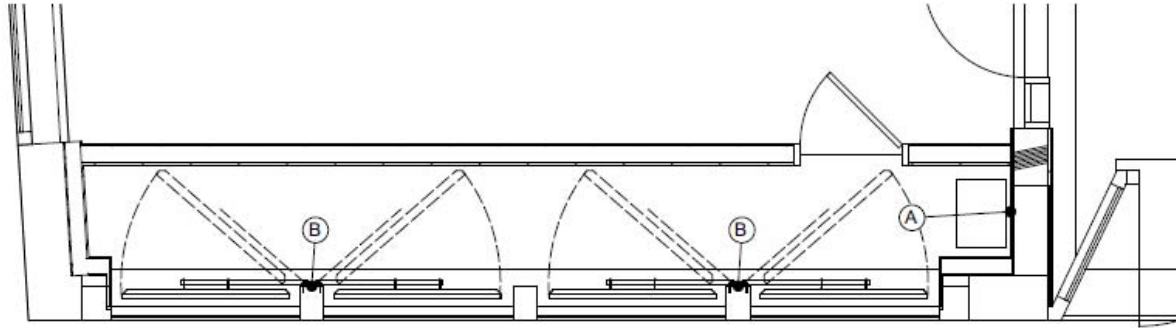
The media-based screens will pull from the CMS to display image or video content. If image or video content is not being displayed on a particular screen, the gradient background will fill the screen. The gradient background will also slowly transition to different colors based on time of day. The gradient change for time of day will be part of the program and not be editable in the CMS



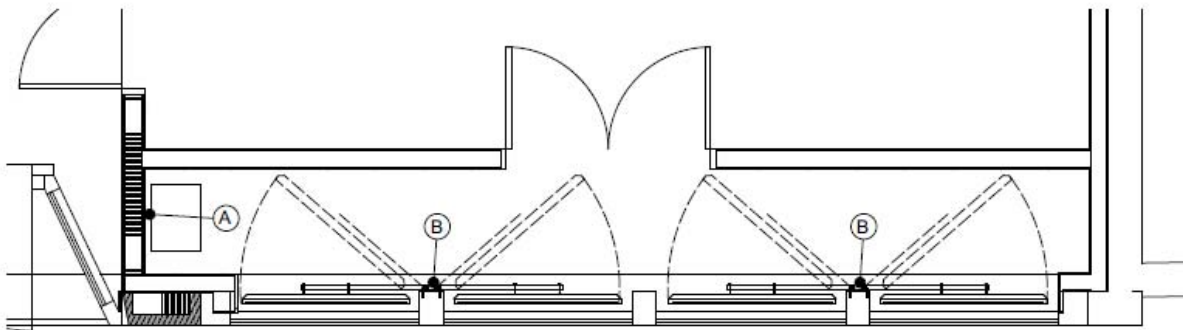
GRADIENT SAMPLE



TVS will be mounted to center columns



1 South Plan
Scale: 1/4" = 1'-0"



2 North Plan
Scale: 1/4" = 1'-0"

