

# **Historic District Commission**

## **Staff Report**

**Wednesday, March 04, 2026**

**Project Address:** 50 Whidden Street  
**Permit Requested:** Certificate of Approval  
**Application:** Public Hearing #1

**A. Property Information - General:**

**Existing Conditions:**

- Zoning District: General Residence B (GRB)
- Land Use: Residential
- Land Area: 3,8252 SF +/-
- Estimated Age of Structure: c.1857
- Building Style: Greek Revival
- Number of Stories: 2.5
- Historical Significance: Focal
- Public View of Proposed Work: Whidden Street
- Unique Features: N/A
- Neighborhood Association: The South End

**B. Proposed Work:** Construct a rear multi-story addition.

**C. Staff Comments and/ or Suggestions for Consideration:**

The project proposal includes the following:

- Construct rear multi-story addition.



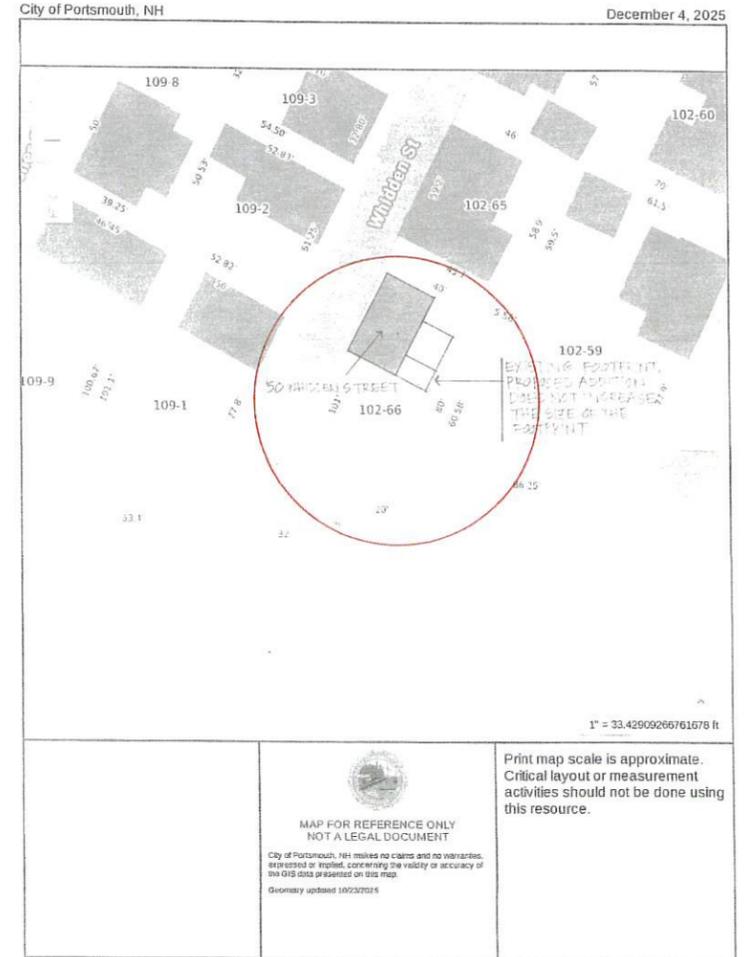
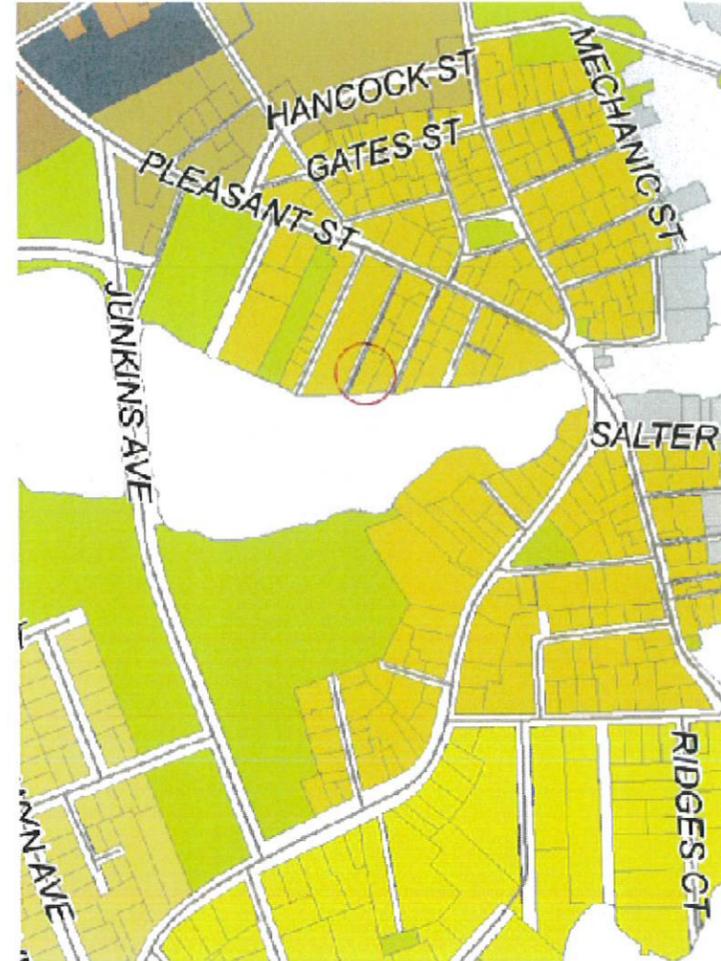
**HISTORIC  
SURVEY  
RATING  
  
F**

**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



## PROPOSED ADDITION AND RENOVATIONS

Daniell House

50 Whidden Street

Portsmouth, NH

Scott Simons Architect

45 Lafayette Street

Portland, ME

## Zoning Map

## Tax Map

### Table of Contents: Revised February 13, 2026

Cover Page: Zoning Map and Tax Map

Photos of Existing House (2 pages)

Revised Floor Plans (2 pages)

Revised Elevations (2 pages)

Colored Elevations (2 pages)



**South Elevation**



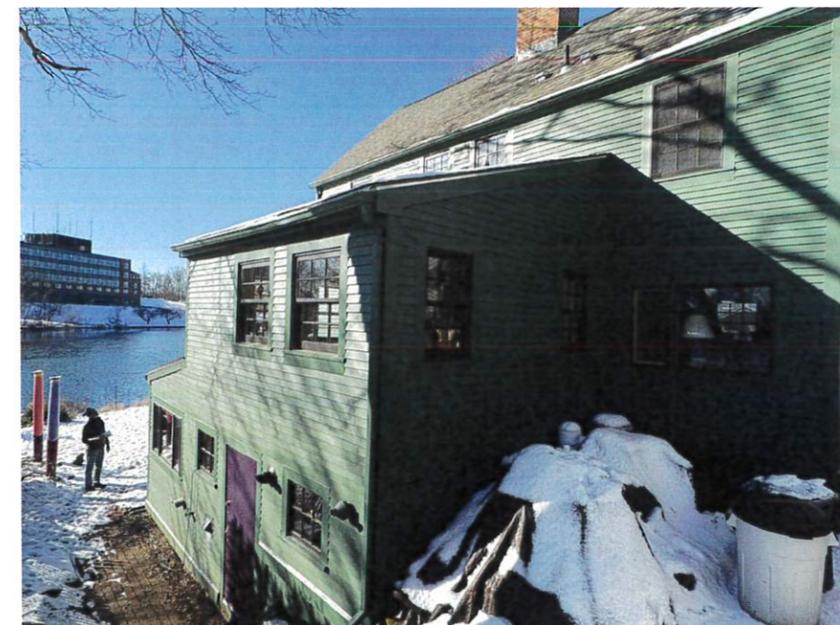
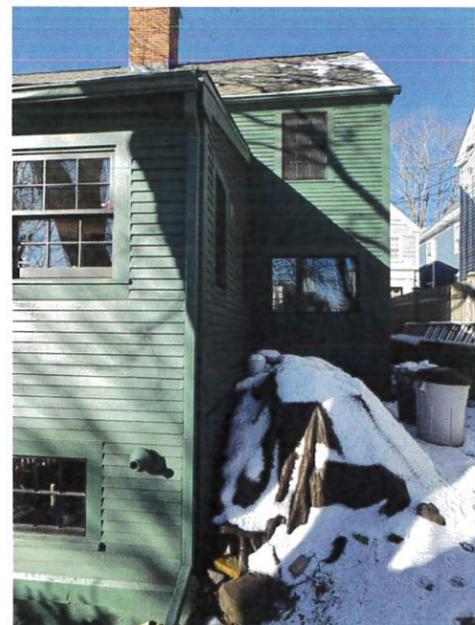
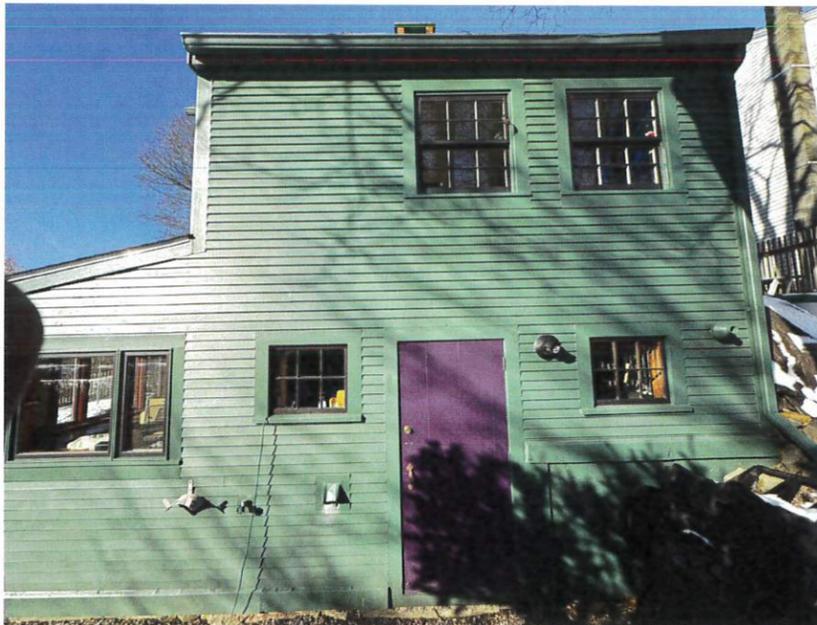
**South Elevation: close-up of existing one-story addition**

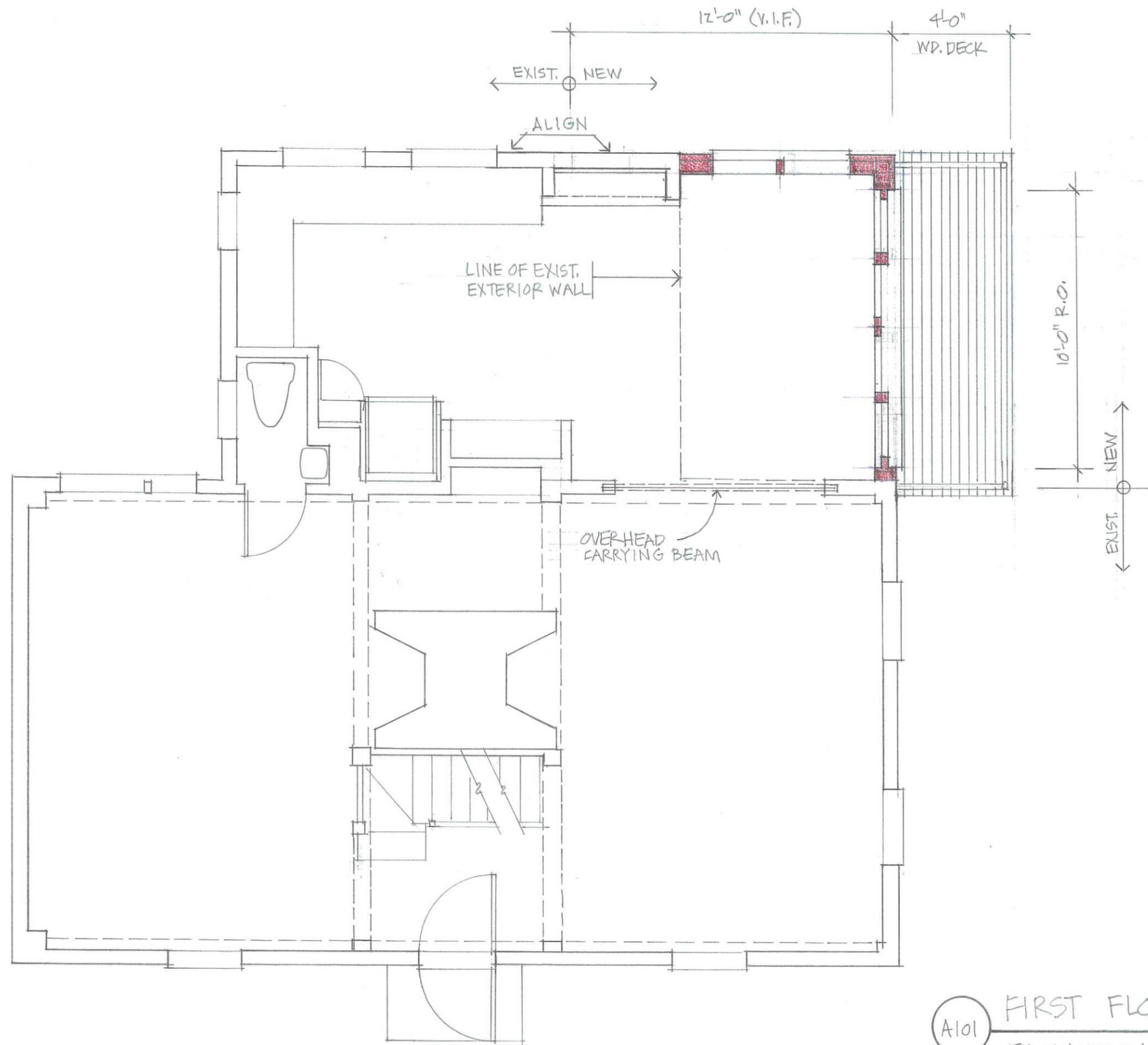


**East Elevation**



**East Elevation: close-up of existing one-story addition**



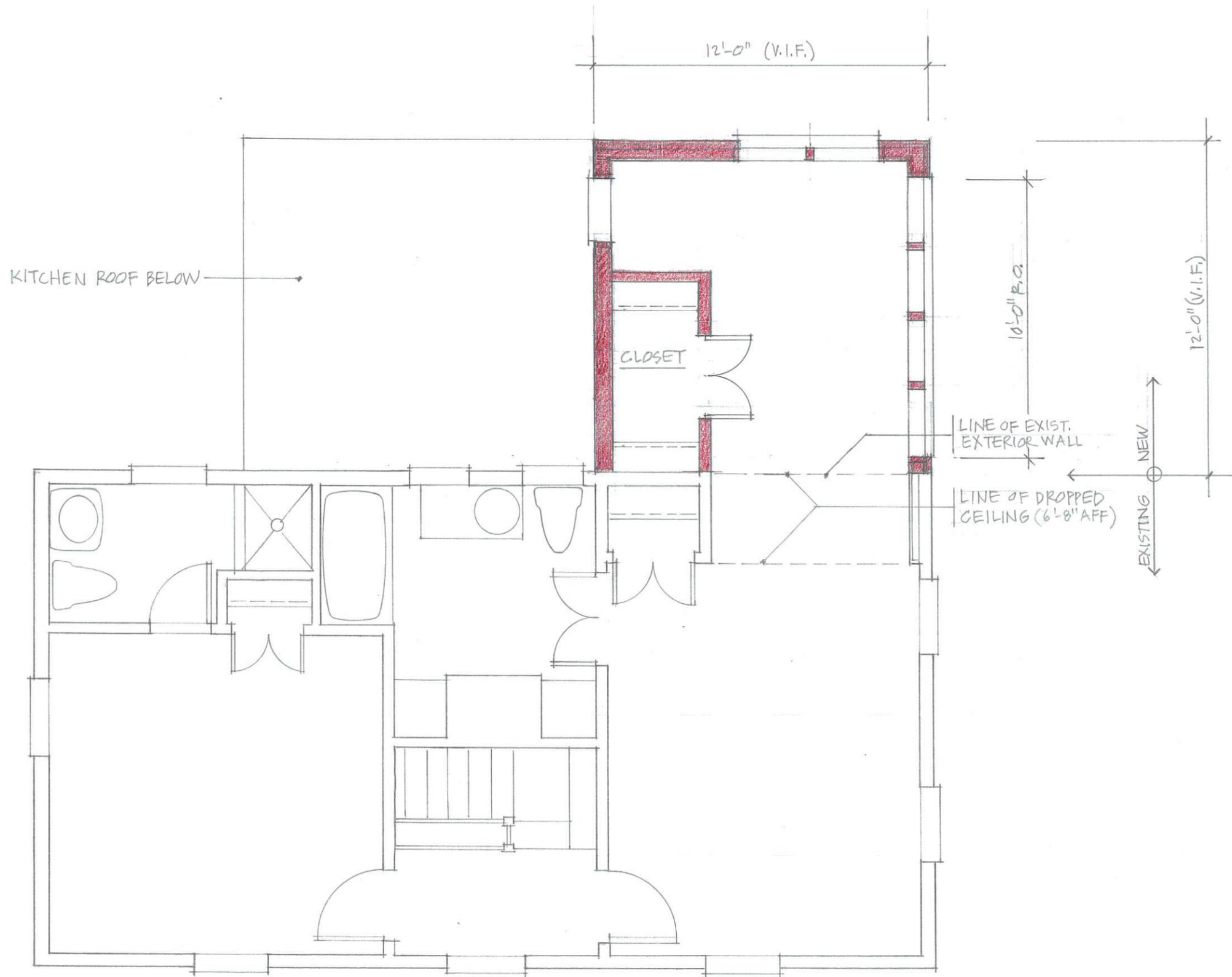


A101 FIRST FLOOR PLAN SCALE: 1/4" = 1'-0"

50 WHIDDON STREET, PORTSMOUTH, N.H.

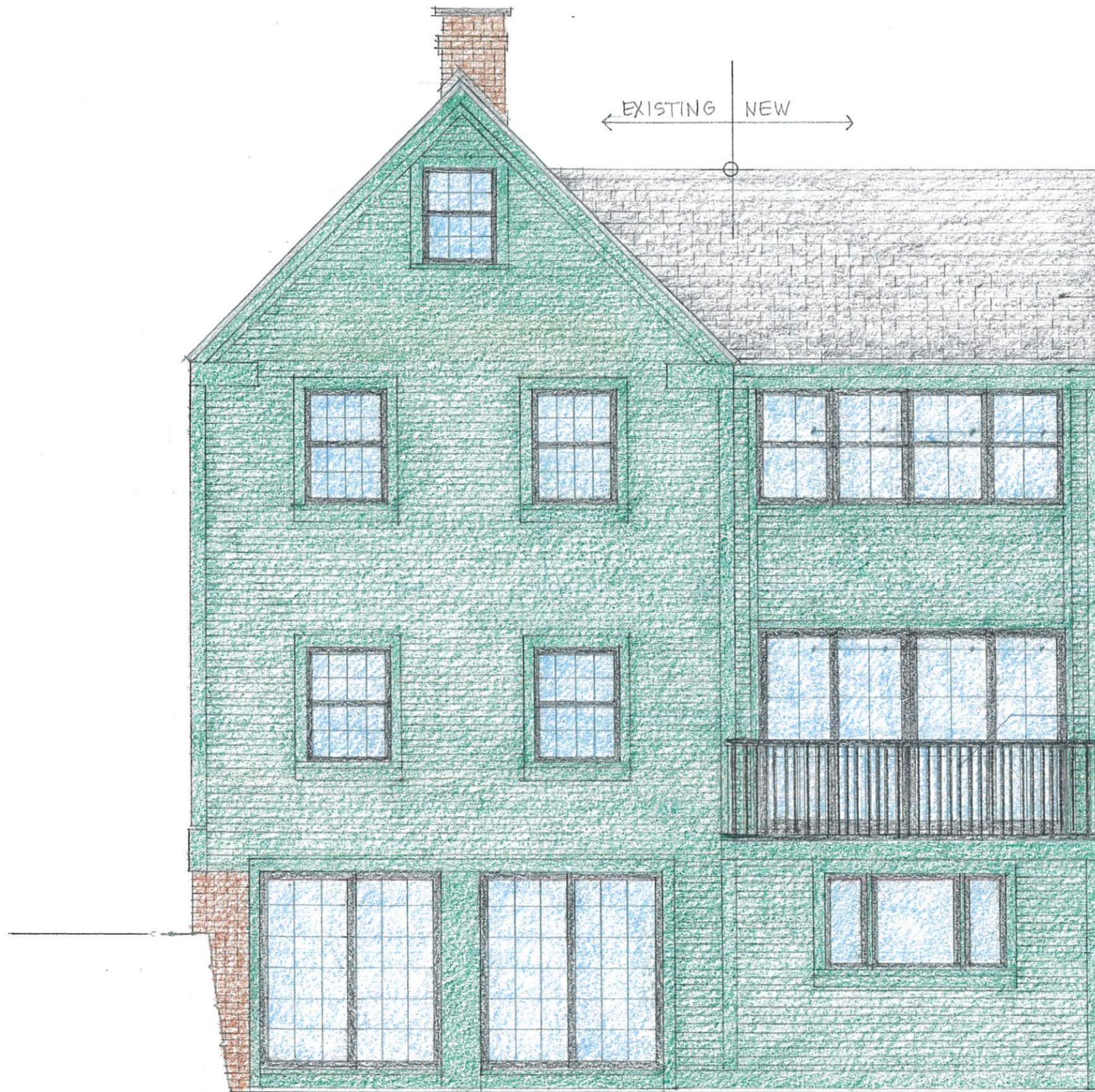
SCOTT SIMONS ARCHITECT PORTLAND, ME

01.18.26  
02.13.26 REVISED



A102 SECOND FLOOR PLAN SCALE: 1/4" = 1'-0"  
 50 WHIDDON STREET, PORTSMOUTH, N.H.

SCOTT SIMONS ARCHITECT PORTLAND, ME 01.18.26  
 02.13.26 REVISED



- ASPHALT SHINGLES TO MATCH EXISTING
- PTD. WD TRIM TO MATCH EXIST.
- ALUM. CLAD WOOD DH WDWS (ALIGN W/ EXISTING)
- PAINTED WOOD CLAPBOARDS + TRIM TO MATCH EXISTING (3" EXPOSURE)
- NATURAL WOOD SIDING + TRIM W/ CLEAR FINISH
- ALUM. CLAD SLDG. WD. DOORS
- 36" H WD HANDRAIL W/ 1" Ø BLACK WOODEN BALUSTERS @ 4" O.C.

WINDOW/DOOR SCHEDULE					
TAG	MFGR	MODEL #	R.O.	STYLE	NOTES
	MARVIN	UWDH 2420	2'-6 3/8" W x 4'-1 1/2" H	CLAD DH	ULTIMATE
	MARVIN	10068	10'-0" W x 6'-10 1/2" H	SLDG. PATIO	ULTIMATE
	MARVIN	UPAPO 3048E	2'-1" W x 3'-11 5/8" H	CLAD CSMT	ULTIMATE (EGRESS)

A201

SOUTH ELEVATION

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

50 WHIDDON STREET, PORTSMOUTH, N. H.

SCOTT SIMONS ARCHITECT PORTLAND, ME

01.18.26  
02.13.26 REVISED



ASPHALT SHINGLES  
TO MATCH EXISTING

PTD. WD TRIM TO MATCH EXIST.

ALUM. CLAD WOOD DH WDWS  
(ALIGN W/ EXISTING)

PAINTED WOOD CLAPBOARDS + TRIM  
TO MATCH EXISTING (3" EXPOSURE)

ALUM. CLAD SLDG. WD. DOORS

36" H WD HANDRAIL  
W/ 1" Ø BLACK WOODEN BALUSTERS @ 4" O.C.

WINDOW/DOOR SCHEDULE					
TAG	MFGR	MODEL#	P.O.	STYLE	NOTES
	MARVIN	UWDH 2420	2'6 <sup>3</sup> / <sub>8</sub> " W x 4'1 <sup>1</sup> / <sub>2</sub> " H	CLAD DH	ULTIMATE
	MARVIN	10068	10'-0" W x 6'-10 <sup>1</sup> / <sub>2</sub> " H	SLDG. PATIO	ULTIMATE
	MARVIN	UPAP0 3048E	2'-7" W x 3'-11 <sup>5</sup> / <sub>8</sub> " H	CLAD GSMT	ULTIMATE (EGRESS)

A201

SOUTH ELEVATION

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

50 WHIDDON STREET, PORTSMOUTH, N. H.

SCOTT SIMONS ARCHITECT PORTLAND, ME

01.18.26  
02.13.26 REVISED



A202

EAST ELEVATION

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

50 WHIDDON STREET, PORTSMOUTH, N.H.

SCOTT SIMONS ARCHITECT PORTLAND, ME

01.18.26  
02.13.26 REVISED



(A202) EAST ELEVATION SCALE: 1/4" = 1'-0"

50 WHIDDON STREET, PORTSMOUTH, N.H.

SCOTT SIMONS ARCHITECT PORTLAND, ME 01.18.26  
02.13.26 REVISED

**Project Address:** 14 Market Square  
**Permit Requested:** Certificate of Approval  
**Application:** Public Hearing #2



**A. Property Information - General:**

**Existing Conditions:**

- Zoning District: Character District 5 (CD5) and Downtown Overlay Districts
- Land Use: Mixed-Use
- Land Area: 0 SF +/-
- Estimated Age of Structure: c.1840
- Building Style: Greek Revival
- Number of Stories: 3
- Historical Significance: Contributing
- Public View of Proposed Work: Market Square
- Neighborhood Association: Downtown

**B. Proposed Work:** Exterior renovations to the existing storefront and cornice detail.

**C. Staff Comments and/ or Suggestions for Consideration:**

The project proposal includes the following:

- Storefront renovations and cornice detail changes.



**HISTORIC  
SURVEY  
RATING  
  
C**

**D. Purpose and Intent:**

1. Preserve the integrity of the District
2. Assessment of the Historical Significance
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**E. Review Criteria/Findings of Fact:**

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# 14 MARKET SQUARE

## MINOR REVISIONS TO PREVIOUSLY APPROVED APPLICATION

1. Replace wood transom panels with transom windows to match original historic conditions, at Congress Street storefronts.
2. Remove retractable canvas awning.
3. Rebuild storefront cornices and signbands, relocate signage lettering.
4. Replace flashing above brick corbels at West facade roof level with extended cornice cap, wrap cornice cap around North & South facade.
5. Parapet Guardrail behind existing parapet is 4" taller than previously approved (due to existing conditions).



## DRAWING LIST

- H0.0 COVER
- H0.2 HISTORIC PHOTOS
- H0.3 - H0.6 EXISTING STREET VIEW PHOTOS
- H2.1 FRONT ELEVATION
- H2.2 SOUTH ELEVATION
- H2.3 NORTH ELEVATION, EXISTING
- H2.4 NORTH ELEVATION, PROPOSED
- H3.1 - 3.3 3D VIEWS
- H4.1 WINDOW SCHEDULE
- H4.2 - CORNICE DETAILS

## HDC - PUBLIC HEARING Revisions to Previously Approved Application FEBRUARY 2026





1886



HISTORIC PHOTO  
14 MARKET SQUARE



EXISTING STREET VIEW PHOTOS  
14 MARKET SQUARE





EXISTING STREET VIEW PHOTOS  
14 MARKET SQUARE



EXISTING STREET VIEW PHOTOS  
14 MARKET SQUARE

EXISTING BUILDING BEYOND  
 NEW GUARDRAIL AS PREVIOUSLY APPROVED, NOW 4" HIGHER  
 REPLACE CORNICE FLASHING WITH COPPER CLAD CAP  
 EXISTING PARAPET WALL

EXISTING ROOF  
 EXISTING CHIMNEYS (TYP)  
 NEW GUARDRAIL BEYOND  
 NEW STAIRWELL PENTHOUSE ADDITION  
 EXISTING BRICK CHEEKWALL

REMOVE CHIMNEY  
 REMOVE EXISTING FLASHING

EXISTING CHEEKWALL BEYOND  
 AREA OF ROOF TO BE REMOVED

1'-4"

LEVEL 3 - BLDG A  
 21'-7"

LEVEL 2 - BLDG A  
 11'-6 1/2"

LEVEL 1  
 0"

**EXISTING**

**PROPOSED**

REMOVE WOOD INFILL PANELS  
 REMOVE CENTER CORBELS (2), SALVAGE FOR RELOCATION  
 REMOVE FLASHING & CROWN MOLDING  
 REMOVE CANVAS AWNING  
 REMOVE SIGN BAND PANEL

NEW WOOD SIGN BAND WITH LETTERING

PATCH, SAND & PAINT EXISTING FRIEZE BOARD AT REMOVED CORBELS

NEW TRANSOM WINDOWS IN EXISTING OPENINGS

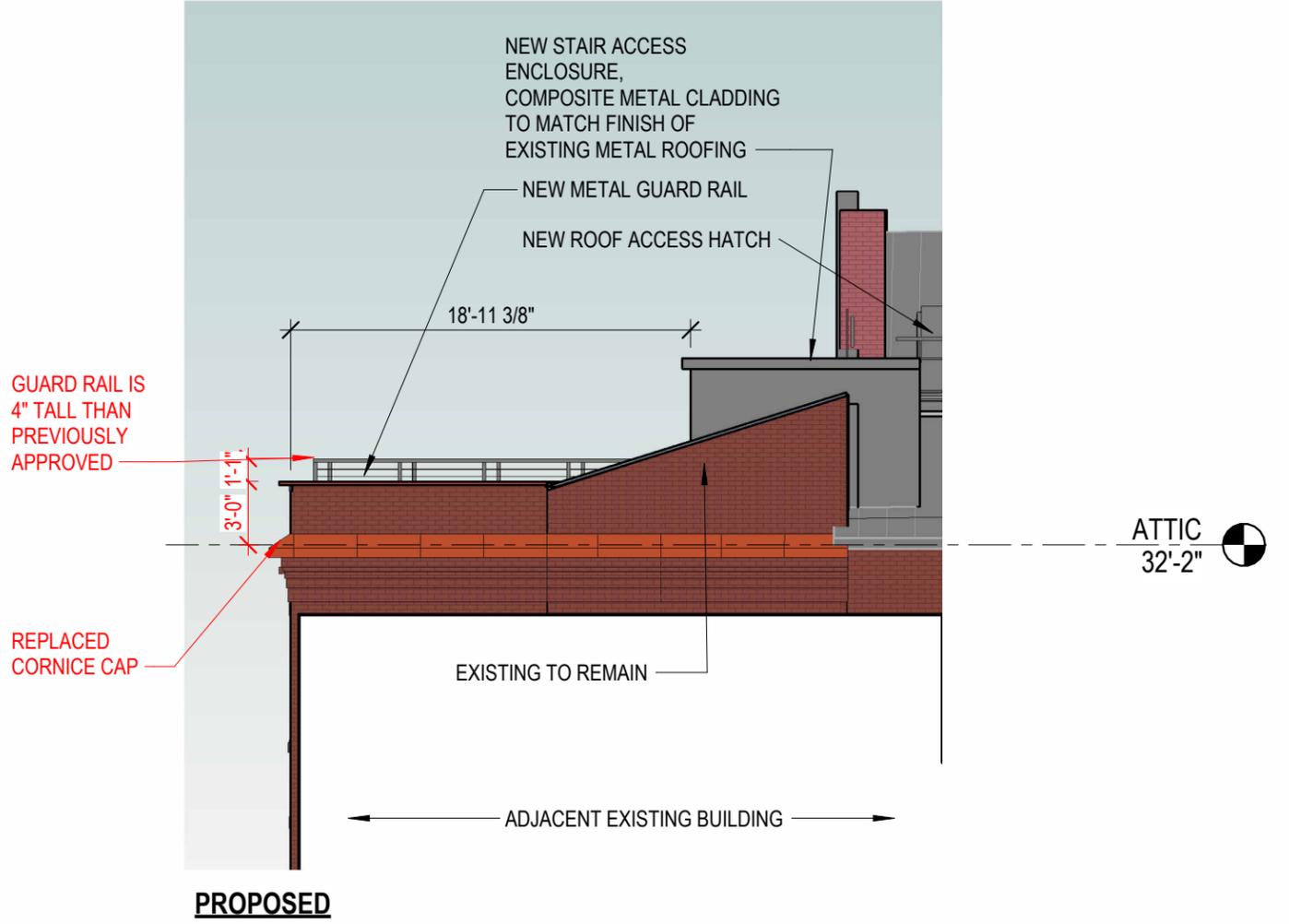
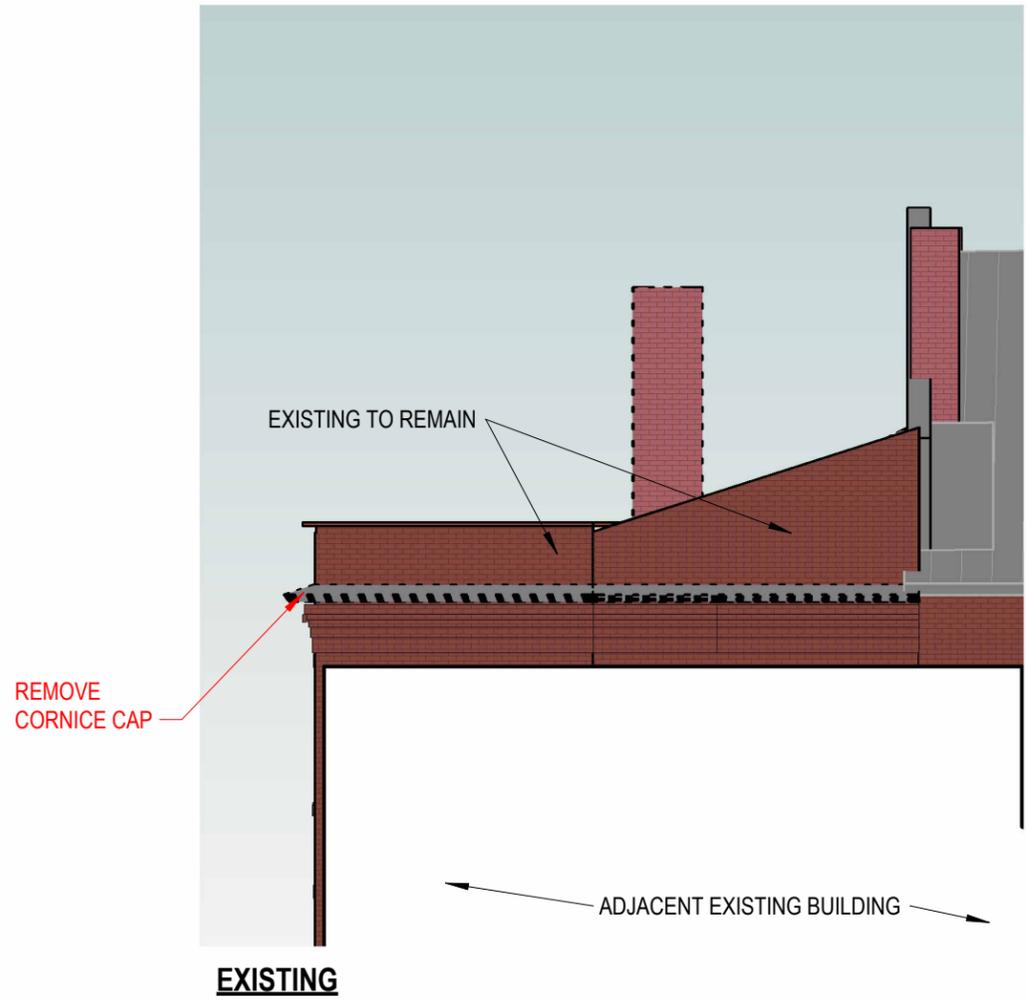
REMOVE EXISTING CORNICE, REPLACE WITH NEW CORNICE ACROSS ENTIRE FACADE. NEW CORNICE TO HAVE RECESSED DOWNLIGHTING.



FRONT ELEVATION  
 14 MARKET SQUARE

H2.1

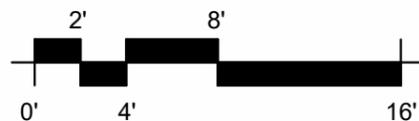
01/09/2026  
 PROJECT NO:1014



SOUTH ELEVATION  
14 MARKET SQUARE



NORTH ELEVATION - EXISTING  
14 MARKET SQUARE



NORTH ELEVATION - PROPOSED  
14 MARKET SQUARE



FROM THE CORNER OF CONGRESS STREET AND DANIEL STREET





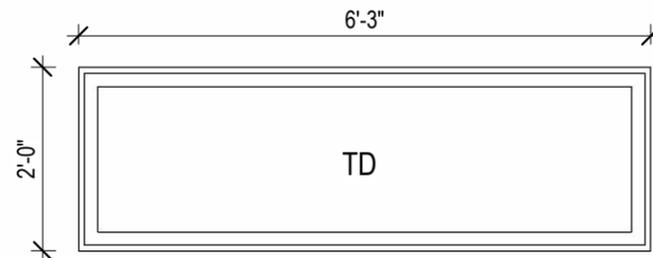
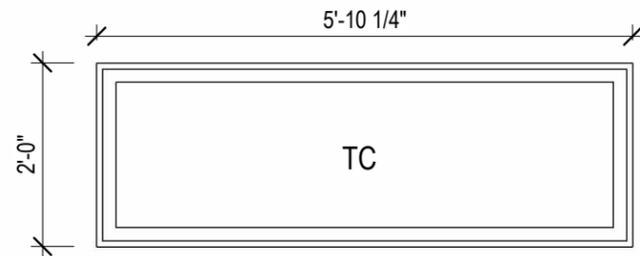
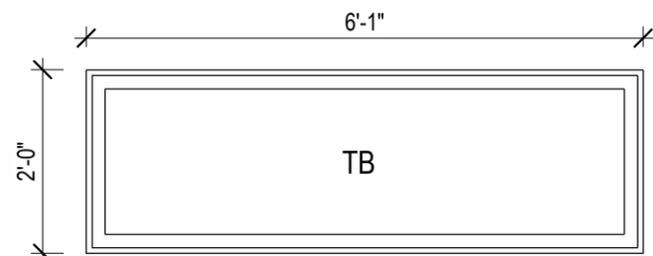
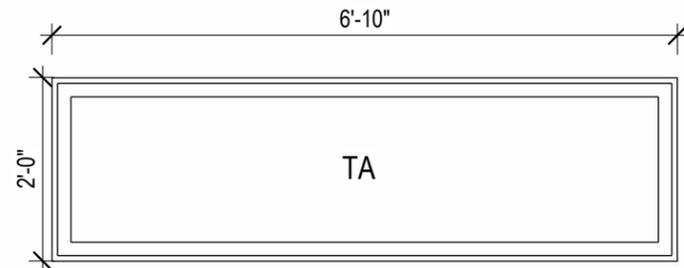
CLOSE UP VIEW FROM THE CORNER OF CONGRESS STREET AND DANIEL STREET



LOOKING WEST ON DANIEL STREET



Window Schedule HDC		
Type Mark	Height	Width
TA	2'-0"	6'-10"
TB	2'-0"	6'-1"
TC	2'-0"	5'-10 1/4"
TC	2'-0"	5'-10 1/4"
TD	2'-0"	6'-3"



## Pella® Reserve™ Traditional Wood & Clad/Wood



Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior



Double-Hung Exterior



- Easy-to-learn Pella Steady Set® interior installation system**  
 Pella Steady Set Interior Installation System is a revolutionary, award-winning, award-winning and safer way to install new construction windows. The simple system is the fastest, most labor efficient wood window installation system with uncompromising quality. Available on select windows.
- 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**  
 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 to provide 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**  
 The award-winning 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® certified**  
 Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.
- Testing beyond requirements**  
 All wood products and testing are not created equal. Pella raises the bar on industry standard testing and beyond to deliver long-lasting products and reduced callbacks. Every Pella wood window and door passes 5, on average, quality checks before it arrives on the jobsite.
- Best limited lifetime warranty\***  
 Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.†

Available in these window and patio door styles:



Special shape windows also available.

\*\*\* 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.‡



Custom colors are also available.

### Screens

#### Rolscreen®

Rolscreen soft-closing retractable screens roll out of sight when not in use. Available on casement windows.

#### Integrated Rolscreen®

A concealed retractable screen that moves seamlessly with the sash of a single- or double-hung window – appearing when you open the window and rolling out of sight when you close it.

#### TuffScreen® by Phifer®

The TuffScreen® is 2.5x stronger than a standard screen.‡ It is tear, puncture and damage resistant, standing up to pets, children and harsh weather. Available on sliding patio doors.

\*All trademarks are property of their respective owners

#### Flat

InView™ screens are clearer than conventional screens and come standard.



### The Best Limited Lifetime Warranty in the Industry

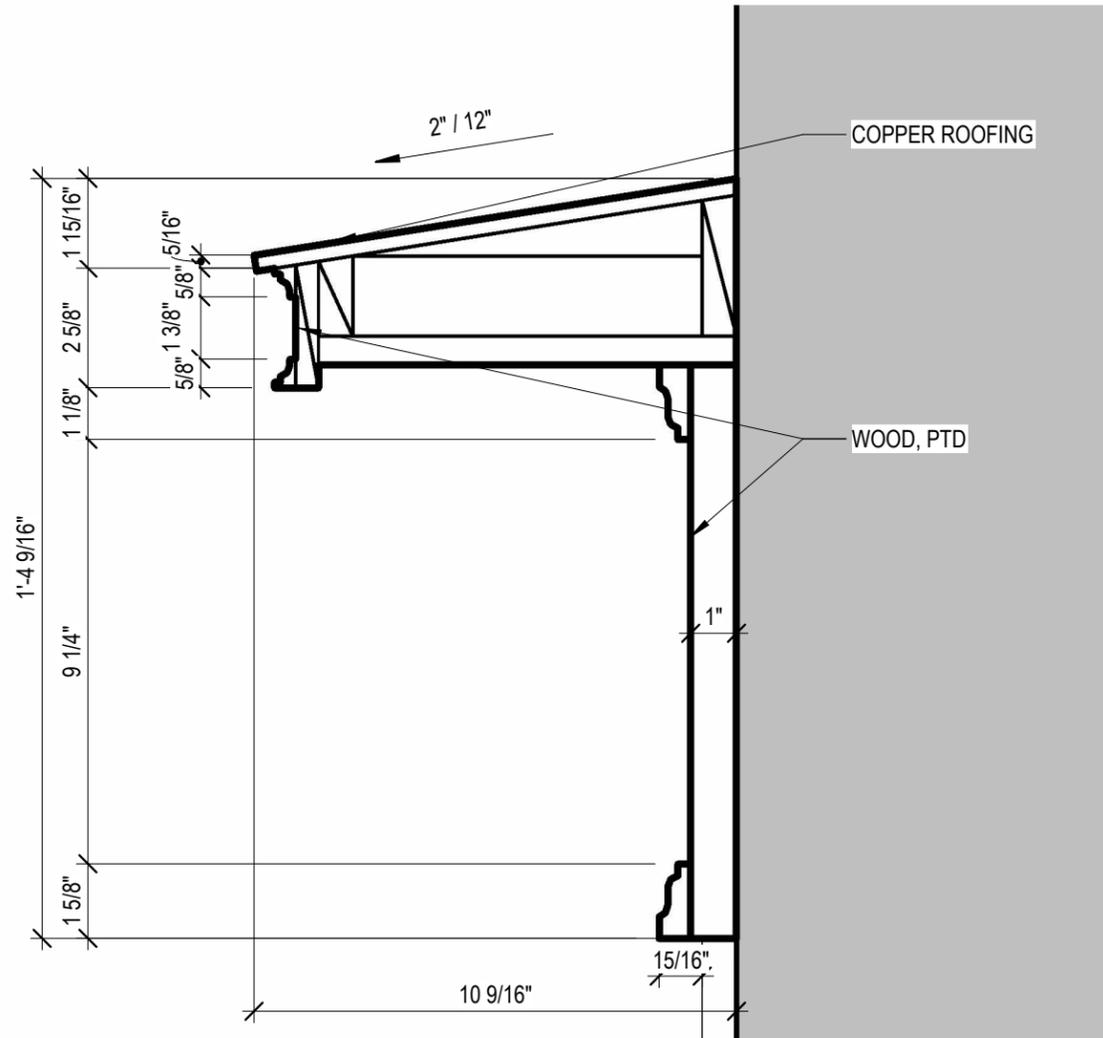
We know your reputation matters and you stake your reputation on quality, dependable products. That's why we have the best limited lifetime warranty in the industry for wood windows and patio doors.‡

† Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to energy.gov. ‡ 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. † Ratings are contingent on product configurations.

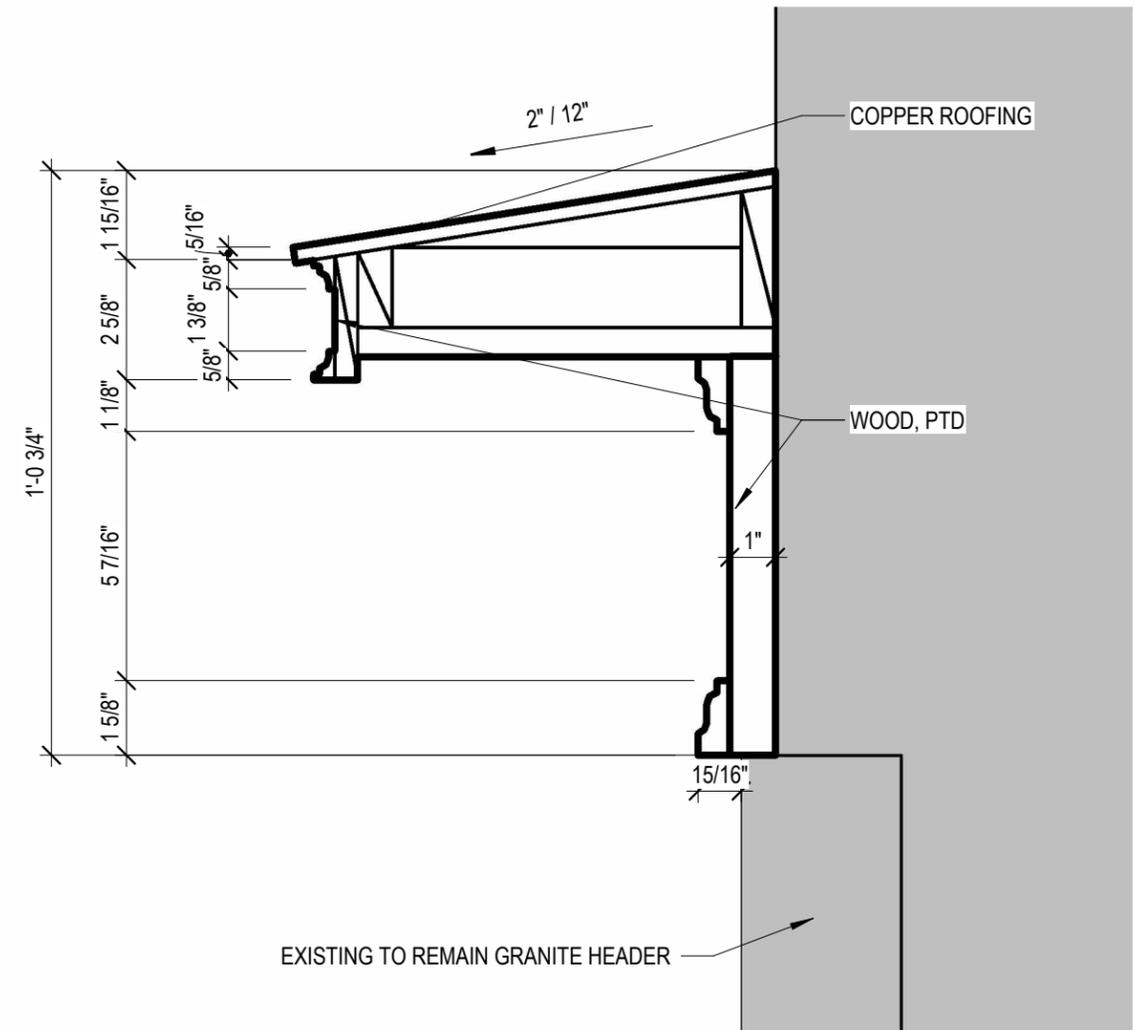
‡ Color-matched to your product's interior and exterior color. Offering may vary by product type. See Pella sales representative for details. † Flush multi-slide handle is a Pella exclusive design. ‡ EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability. † Based on the composite results of a 5-panel strength analysis comparing TuffScreen and standard screening.

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**1 FRONT FACADE CORNICE DETAIL SECTION**  
3" = 1'-0"



**2 NORTH FACADE CORNICE DETAIL SECTION**  
3" = 1'-0"



**Project Address:** 280 Marcy Street  
**Permit Requested:** Certificate of Approval  
**Application:** Public Hearing #3



**A. Property Information - General:**

**Existing Conditions:**

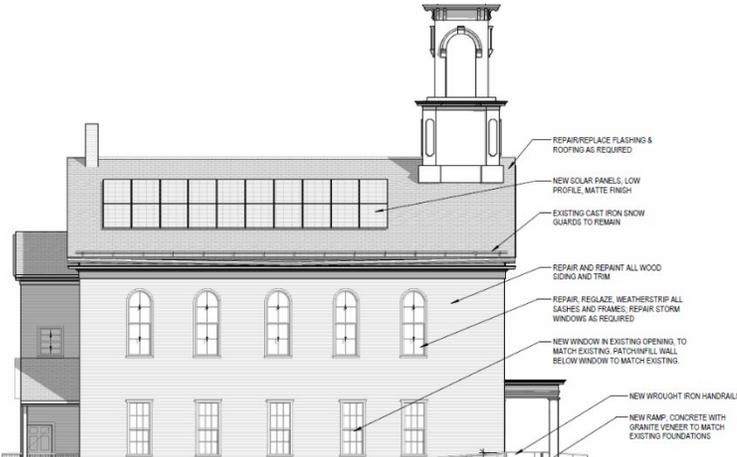
- Zoning District: Municipal
- Land Use: Municipal
- Land Area: 9,900 SF +/-
- Estimated Age of Structure: c.1864-1866
- Building Style: Italianate
- Number of Stories: 2.5
- Historical Significance: Focal
- Public View of Proposed Work: Marcy Street
- Neighborhood Association: South End

**B. Proposed Work:** Exterior renovations: replace two doors and rebuild the access ramp and the installation of roof mounted solar panels.

**C. Staff Comments and/ or Suggestions for Consideration:**

The project proposal includes the following:

- Replace two doors
- Rebuild access ramp
- Install roof top solar panels



**HISTORIC  
SURVEY  
RATING  
  
F**

**D. Purpose and Intent:**

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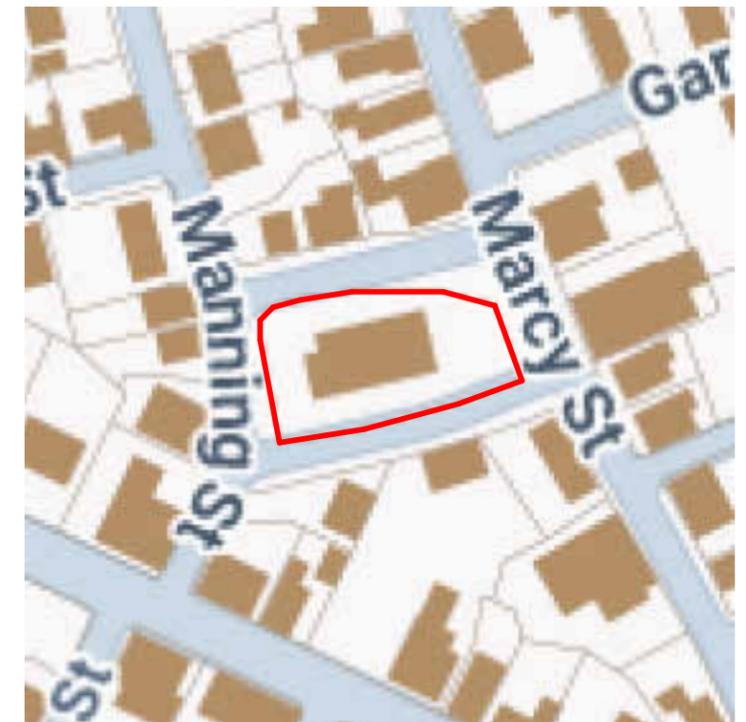
1. Consistent with special and defining character of surrounding properties
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# SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

## PROJECT SUMMARY

The South Meeting House is proposed for a change of use, from a TV media studio to become the new home of Portsmouth Music and Arts (PMAC) Visual Arts School. This building is zoned Municipal, and is owned by the City of Portsmouth. A long term lease is proposed to accommodate the Schleyer Foundation and their subtenant PMAC. As part of the lease agreement, the tenant will repair and rehabilitate the existing structure. The interior will be renovated to include art classrooms, an art gallery, and administrative space. The building will be made handicapped accessible and compliant with Life Safety and Building Codes. Mechanical, electrical and plumbing systems will be brought up to code. The building envelope will be repaired, restored and weatherproofed. A meeting with TAC on 2/10/26 was met with their approval to proceed, with stipulation that power supply to building cannot be increased. Specific modifications to the exterior include the following:

1. Replace circa 1983 south side ramp with new extended ramp, for accessibility to front entrance.
2. Replace south side circa 1983 door with double hung wood window and storm window to match existing historic conditions.
3. Replace front double doors with a single hinged door and fixed side panel, to provide handicapped accessibility.
4. Replace weathered wood picket railings at front entrance, with wrought iron handrails.
5. Rebuild wood deck in front of center entry portico so it is level with adjacent sidewalk, for accessibility.
6. Install low-profile low-glare solar panels on south roof, to supplement power needed for accessibility lift and HVAC as required for change of use to an art school.



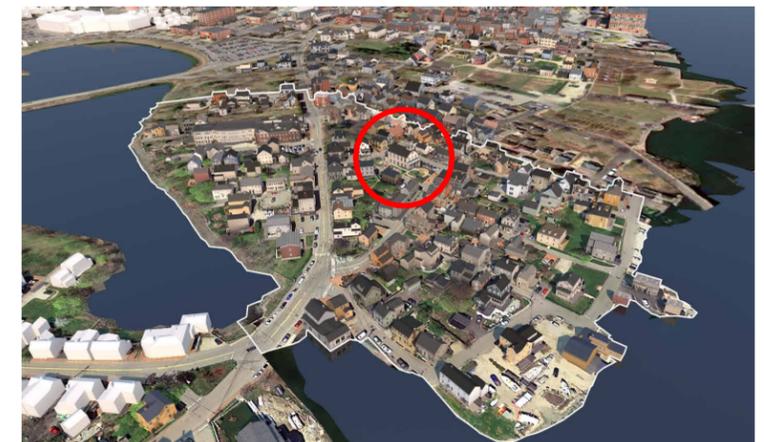
SITE PLAN CONTEXT FOOTPRINTS 1' = 300'

## DRAWING LIST

- H0.0 COVER
- H1.1 HISTORY
- H0.2 EXISTING PHOTOS, CONTEXT VIEWS
- H0.3 EXISTING PHOTOS, CLOSE UP VIEWS
- H1.1 SITE PLAN, EXISTING
- H1.2 SITE PLAN, PROPOSED
- H1.3 ROOF PLAN
- H2.11 EAST ELEVATION EXISTING
- H2.12 EAST ELEVATION PROPOSED
- H2.21 NORTH ELEVATION EXISTING
- H2.22 NORTH ELEVATION PROPOSED
- H2.31 WEST ELEVATION EXISTING
- H2.32 WEST ELEVATION PROPOSED
- H2.41 SOUTH ELEVATION EXISTING
- H2.42 SOUTH ELEVATION PROPOSED
- H3.10 3D VIEWS
- H4.10 PROPOSED DOOR ELEVATION
- H5.10 MATERIALS

## 280 MARCY STREET

## HDC MARCH 2026



COVER

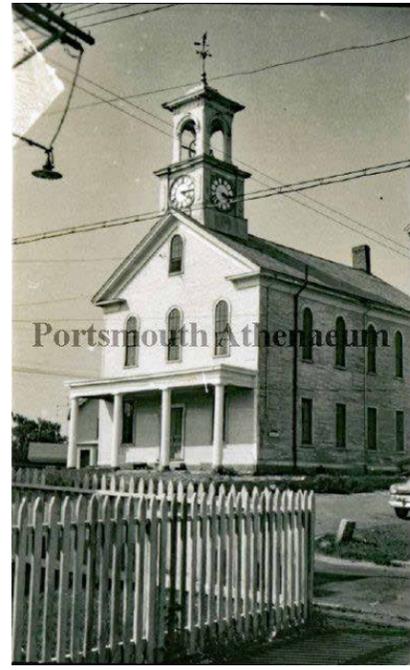
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

H0.0

02/20/26  
PROJECT NO:1039

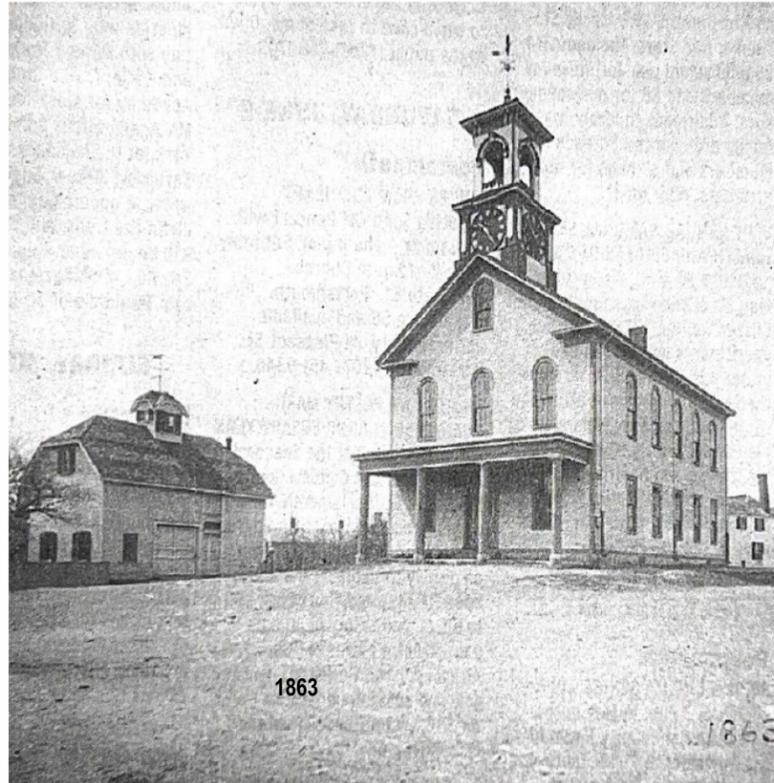


1902



1955

1866



1863

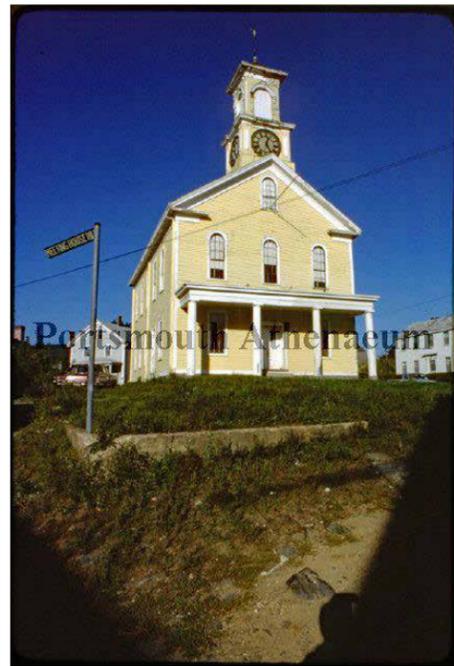
## SOUTH MEETING HOUSE TIMELINE

### 1863-1866:

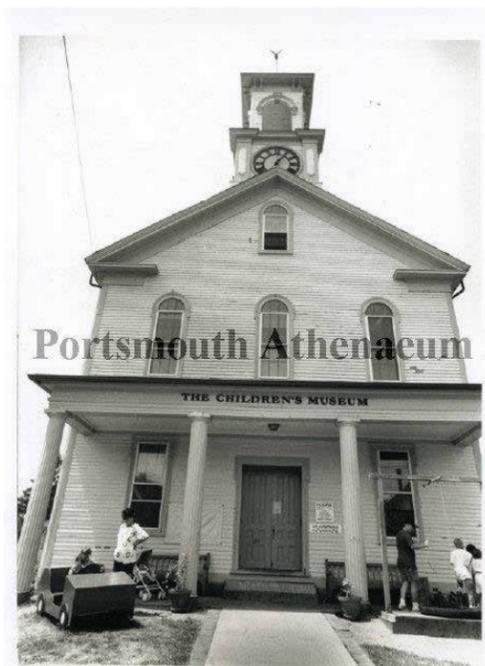
Built in 1863 by William Tucker to replace the second meeting house in the South End that was built in 1732. It was known as "The Third Hall" and was initially used as a school and public function hall until its use as the first African American church.

### 1880-1882:

During its time as a church Rev. Daniel Austin died and left money for Portsmouth's African American residents to celebrate Emancipation Day. The first event was held January 1882.

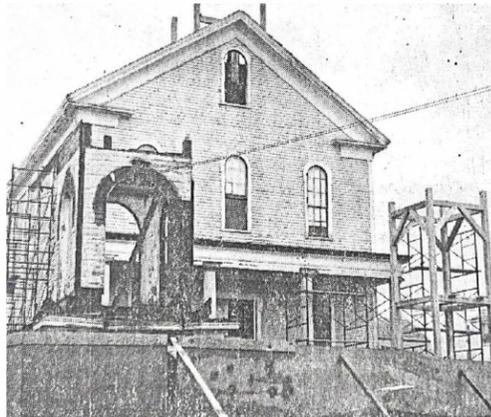


1979



1990

1967



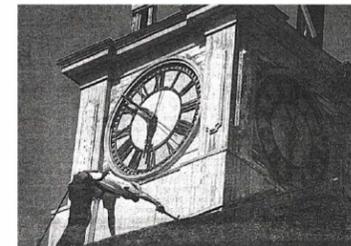
1967



1983



1983



2007

## SOUTH MEETING HOUSE TIMELINE

### 1967:

It was leased to Strawberry Banke for 99 years. The old steeple was taken down and rebuilt as well as other minor repairs were made. William G. Perry was the architect of this renovation and John Elwyn Stone was the benefactor. The use at the time was a meeting house for Strawberry Banke.

### 1983:

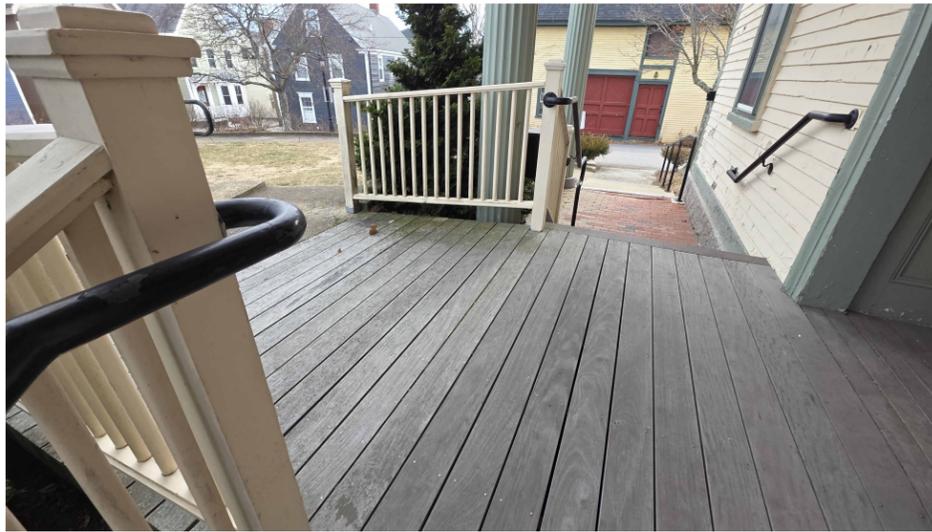
Repairs were made again to the bell tower and exteriors of the building before its use as a Non-Profit Children's museum. It had exhibits on Farm life, Hospital work, Painting, Sculptures, Theatre, Science, Special Needs, A wooden submarine, and many more. They also had after school programs conducted by specialists.

### 2007-2011:

After the Children's museum moved out it underwent renovations to the roof, rotting at the bell tower was replaced, and siding was partially replaced until PPM moved in.



**FRONT RAILINGS & DECKING REPLACEMENT**



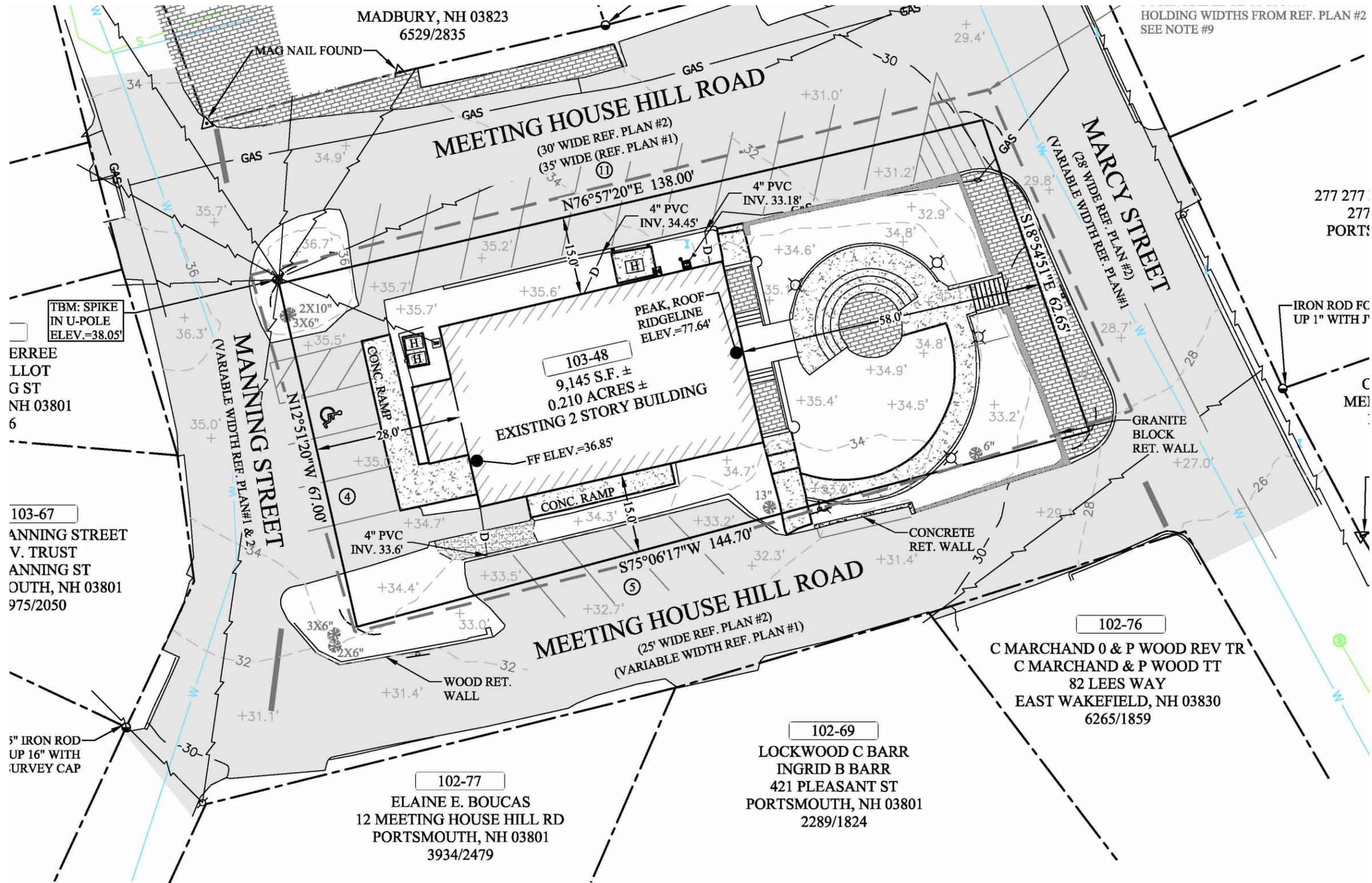
**FRONT DOOR REPLACEMENT**



**SIDE RAMP & DOOR REPLACEMENT**



EXISTING PHOTOS, CLOSE UP VIEWS  
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL



SITE PLAN - EXISTING

SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

NOT TO SCALE

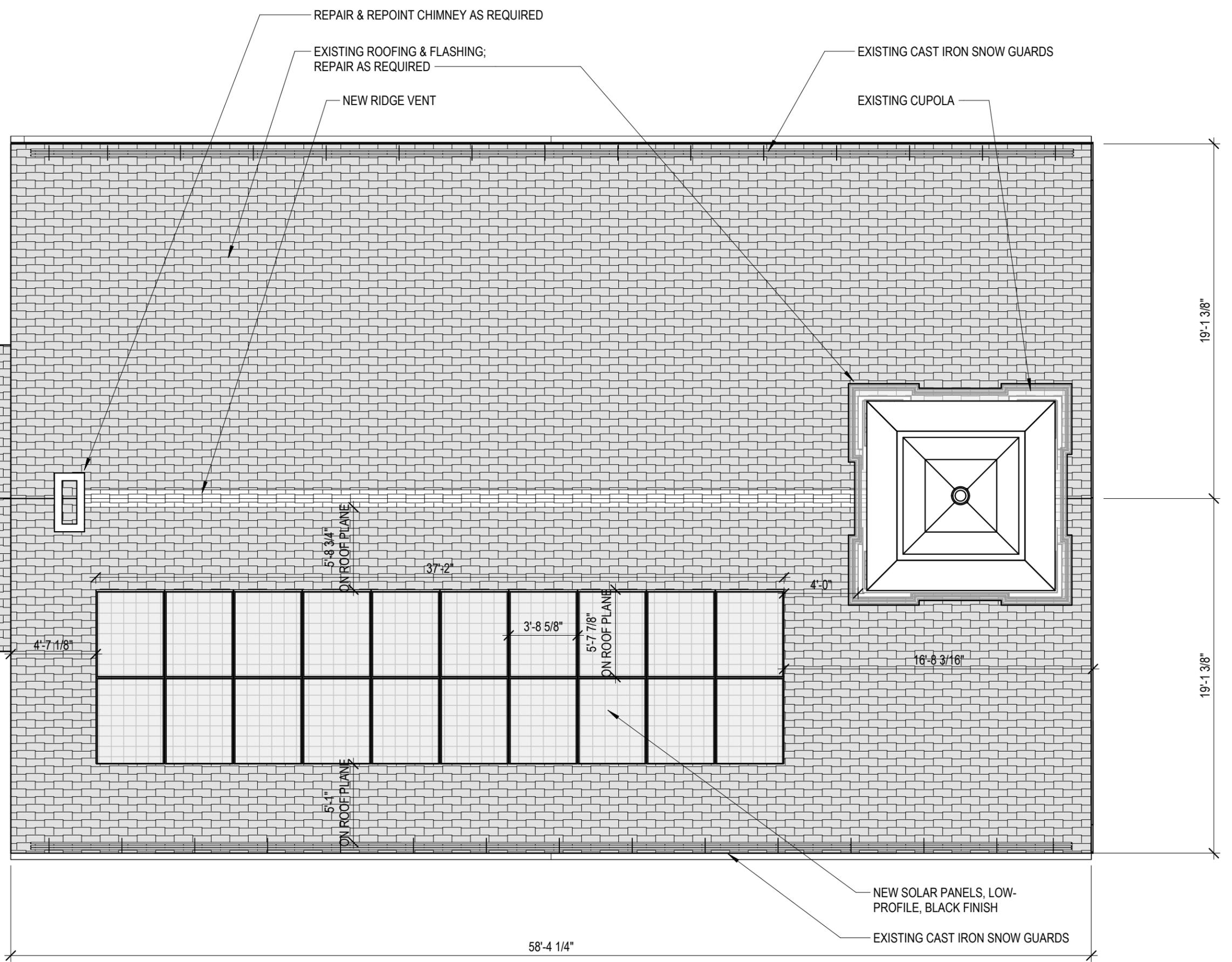
H1.1

02/20/26  
PROJECT NO: 1039





2 ROOF PROPOSED  
3/16" = 1'-0"

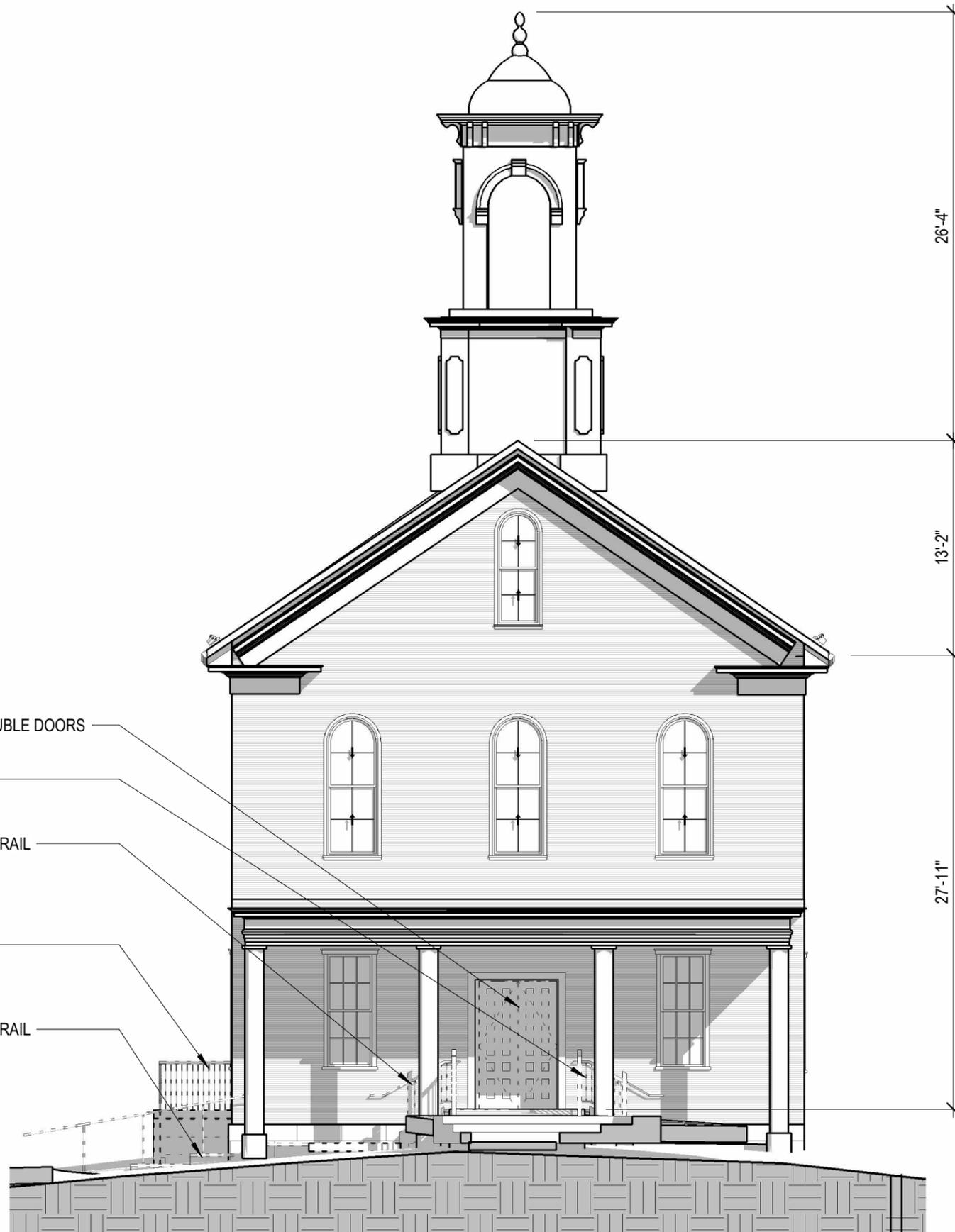


ROOF PLAN

SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

H1.3

02/20/26  
PROJECT NO:1039



REMOVE FRONT DOUBLE DOORS

REMOVE HANDRAIL

REMOVE STEps AND RAIL

REMOVE RAMP

REMOVE STEPSAND RAIL

26'-4"

13'-2"

27'-11"



**ARCOVE**  
ARCHITECTS

EAST ELEVATION EXISTING  
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

H2.11

02/20/26  
PROJECT NO:1039

REPAIR AND REPAINT  
WOOD SIDING AND  
TRIM

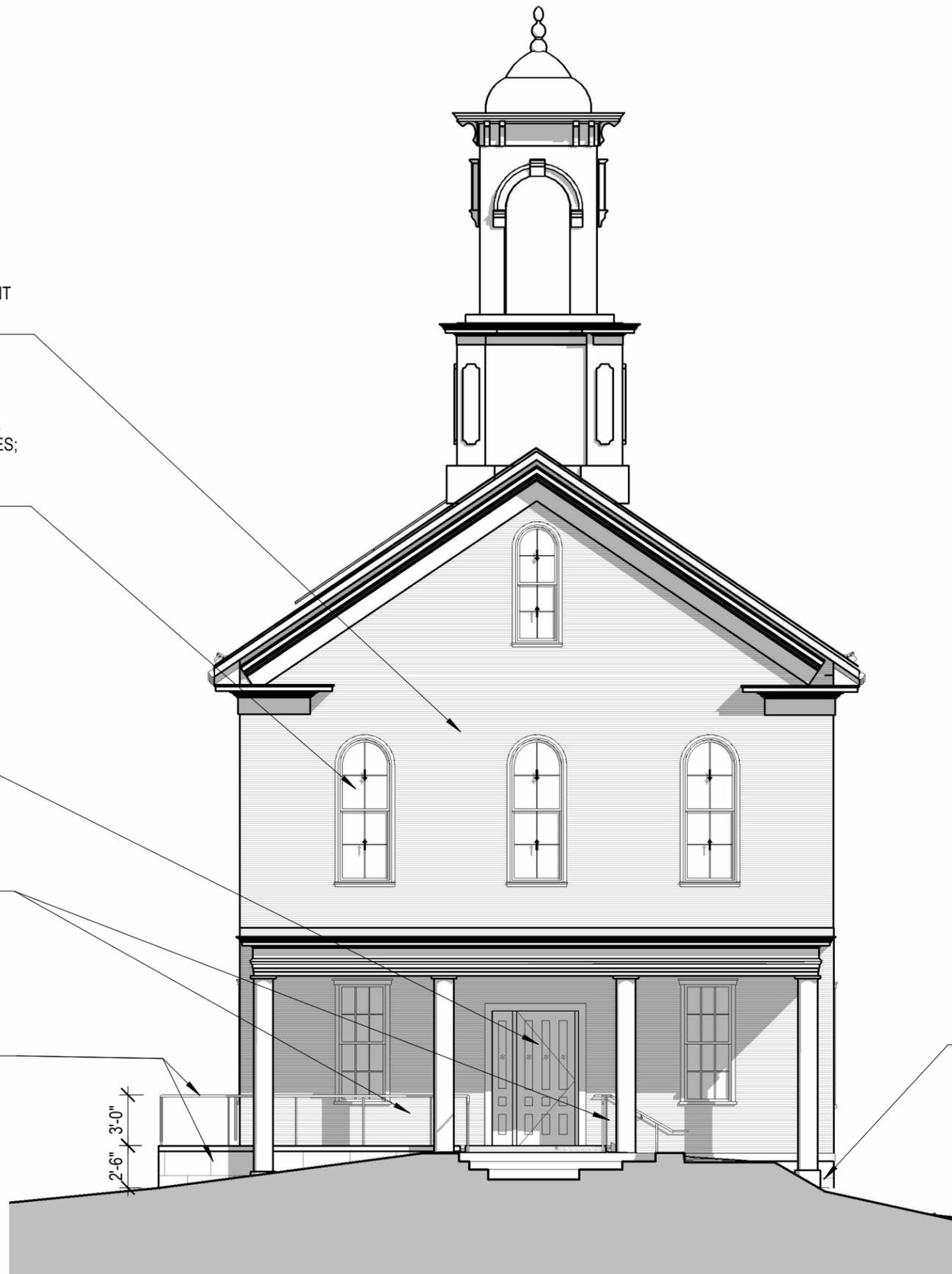
REPAIR, REGLAZE,  
WEATHERSTRIP ALL  
SASHES AND FRAMES;  
REPAIR STORM  
WINDOWS AS  
REQUIRED

NEW ACCESSIBLE  
FRONT DOOR  
AND SIDELITE

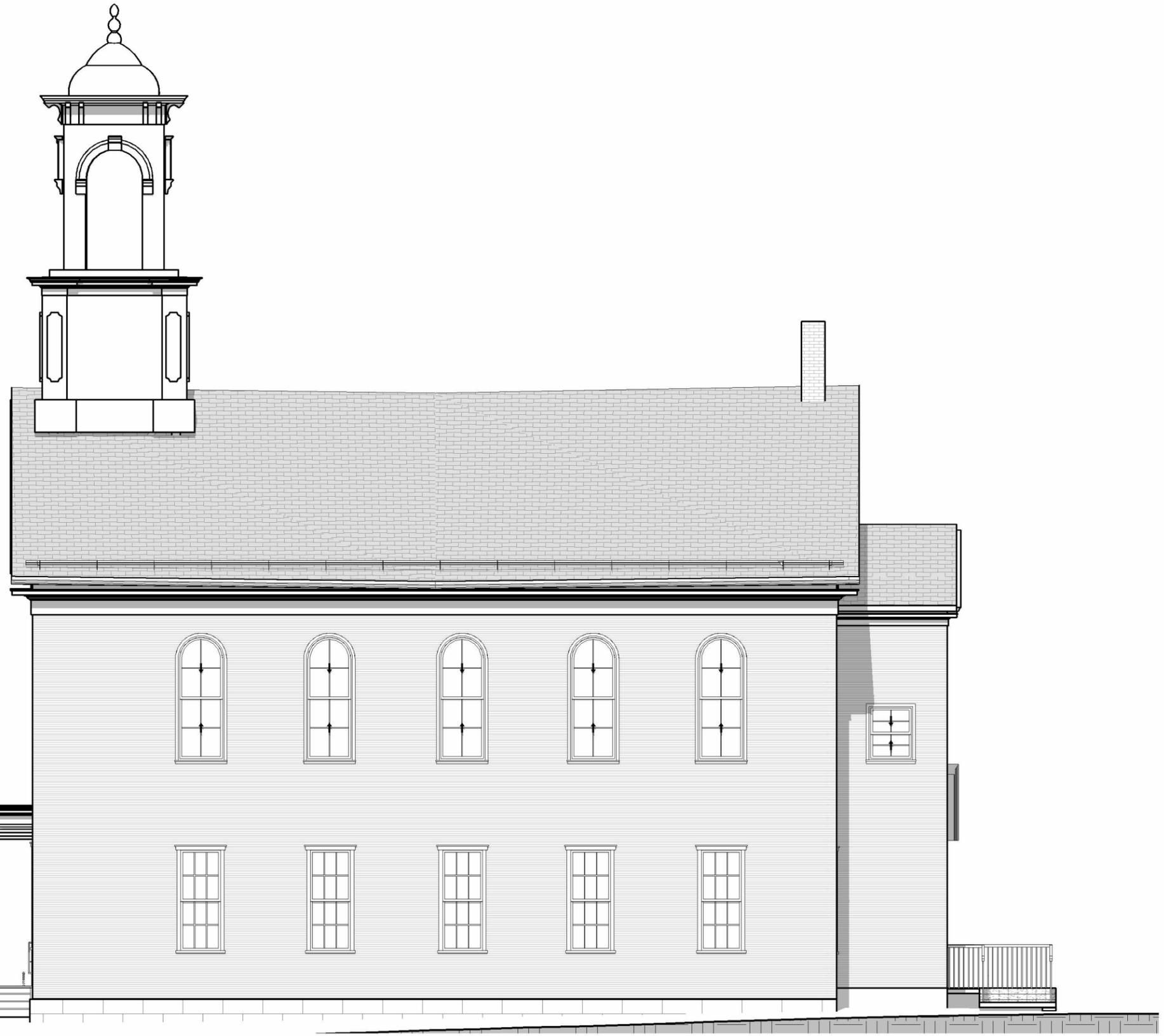
NEW METAL  
HANDRAILS

NEW RAMP WITH  
METAL HANDRAIL  
AND GRANITE  
FACING TO MATCH  
EXISTING  
FOUNDATIONS

REBUILD EXISTING STEPS, IN KIND



EAST ELEVATION PROPOSED  
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

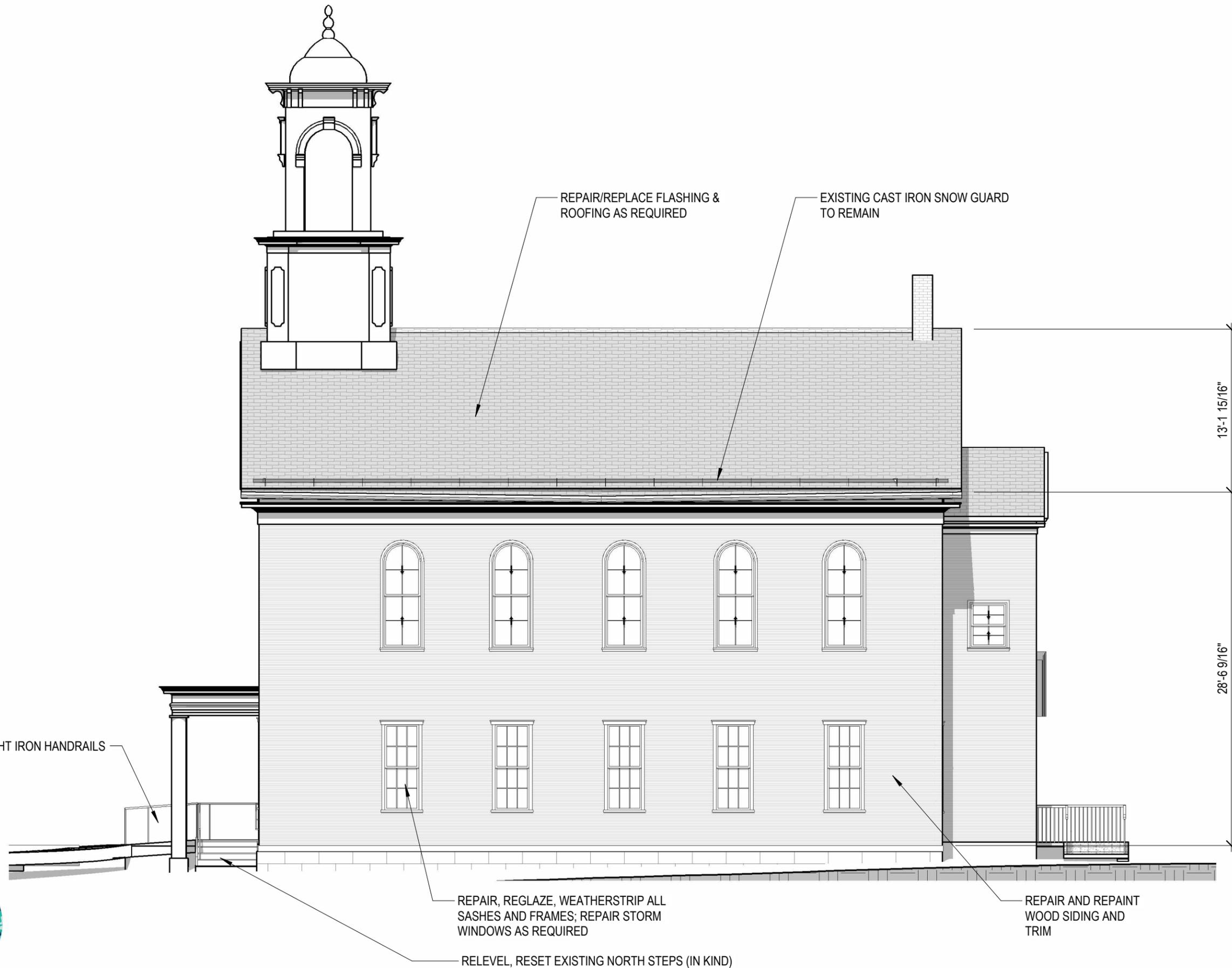


REMOVE WOOD PICKET RAILINGS



NORTH ELEVATION EXISTING  
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

NEW WROUGHT IRON HANDRAILS



REPAIR, REGLAZE, WEATHERSTRIP ALL  
SASHES AND FRAMES; REPAIR STORM  
WINDOWS AS REQUIRED

RELEVEL, RESET EXISTING NORTH STEPS (IN KIND)

REPAIR AND REPAINT  
WOOD SIDING AND  
TRIM

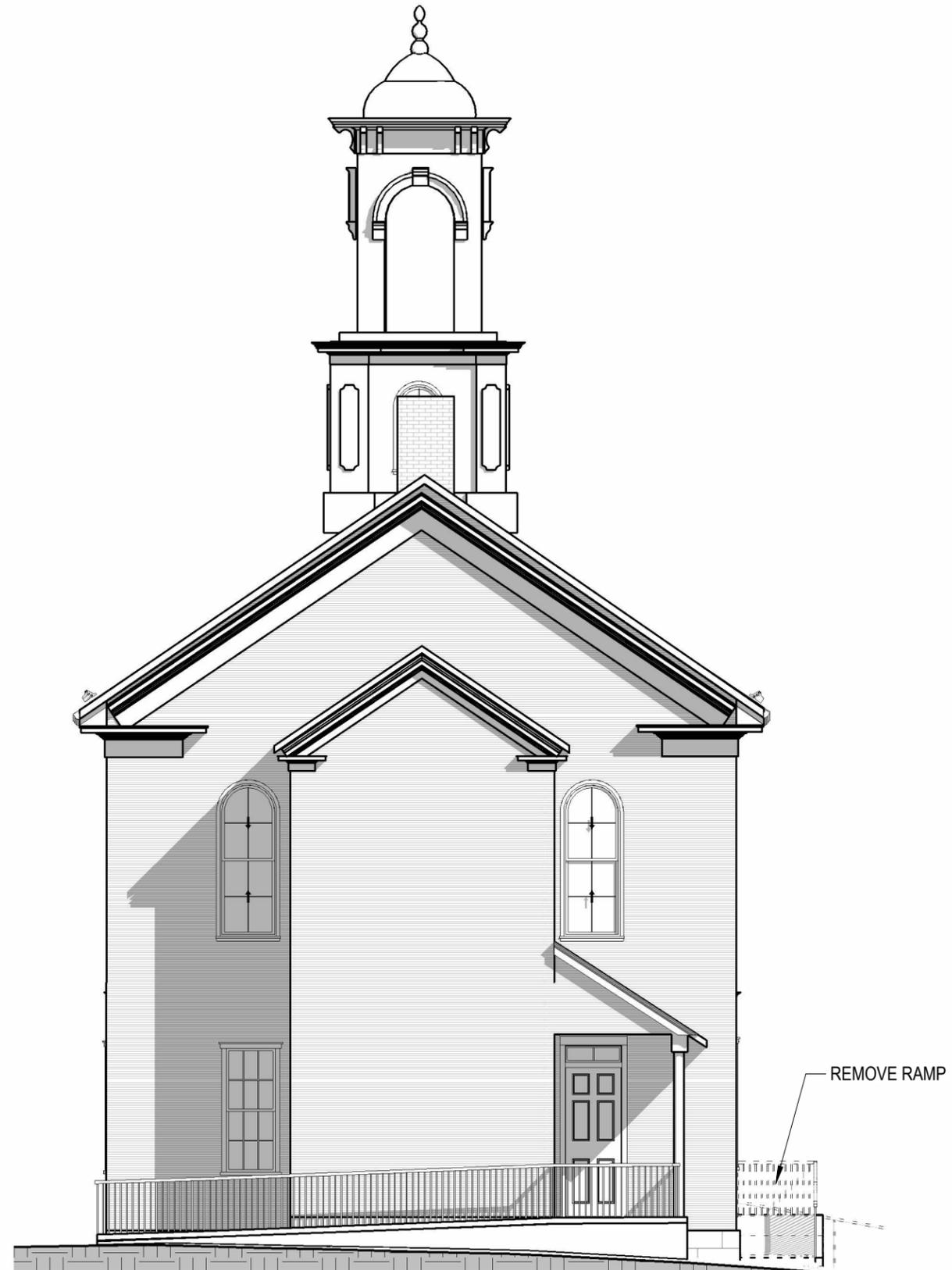
REPAIR/REPLACE FLASHING &  
ROOFING AS REQUIRED

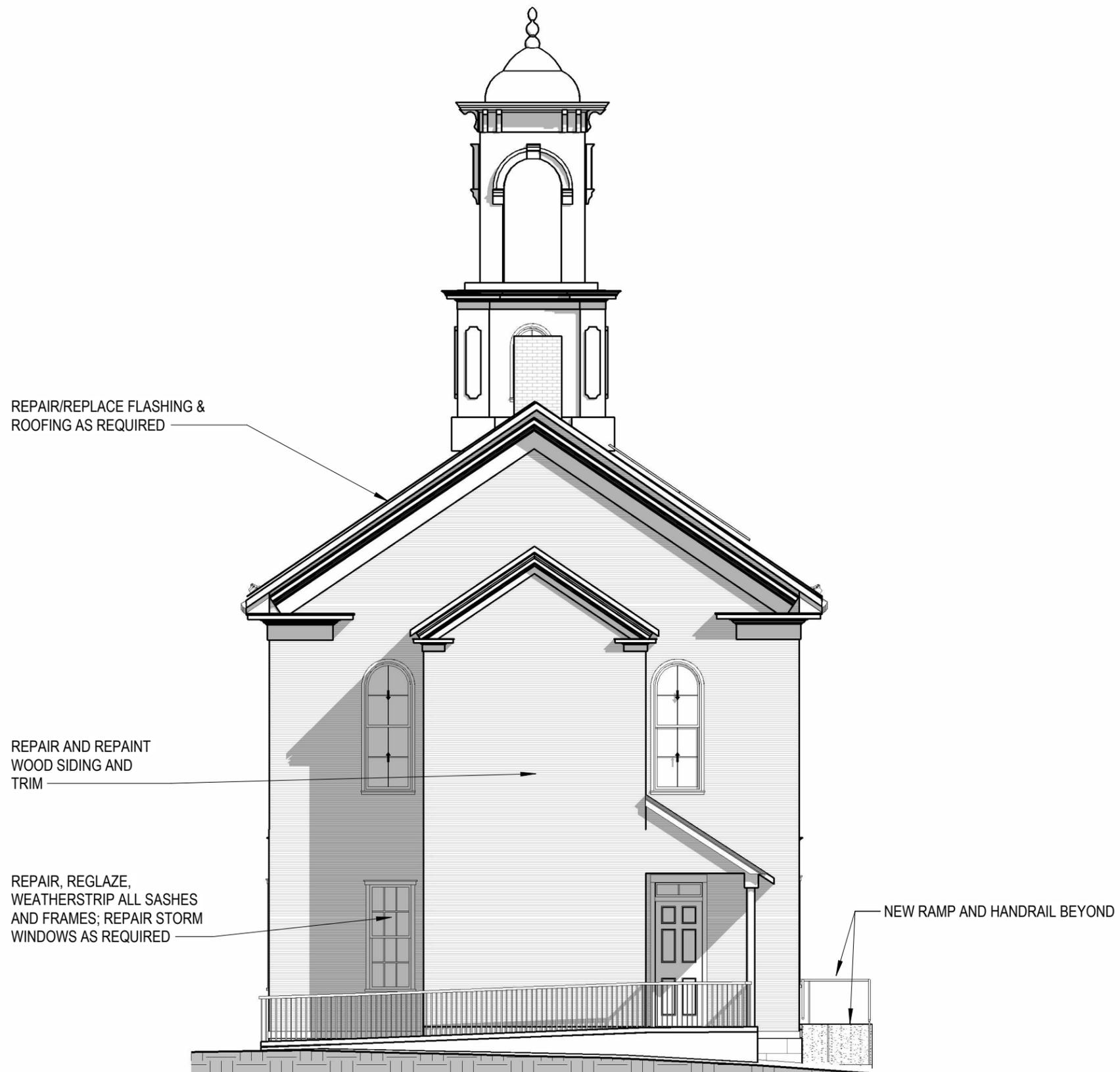
EXISTING CAST IRON SNOW GUARD  
TO REMAIN

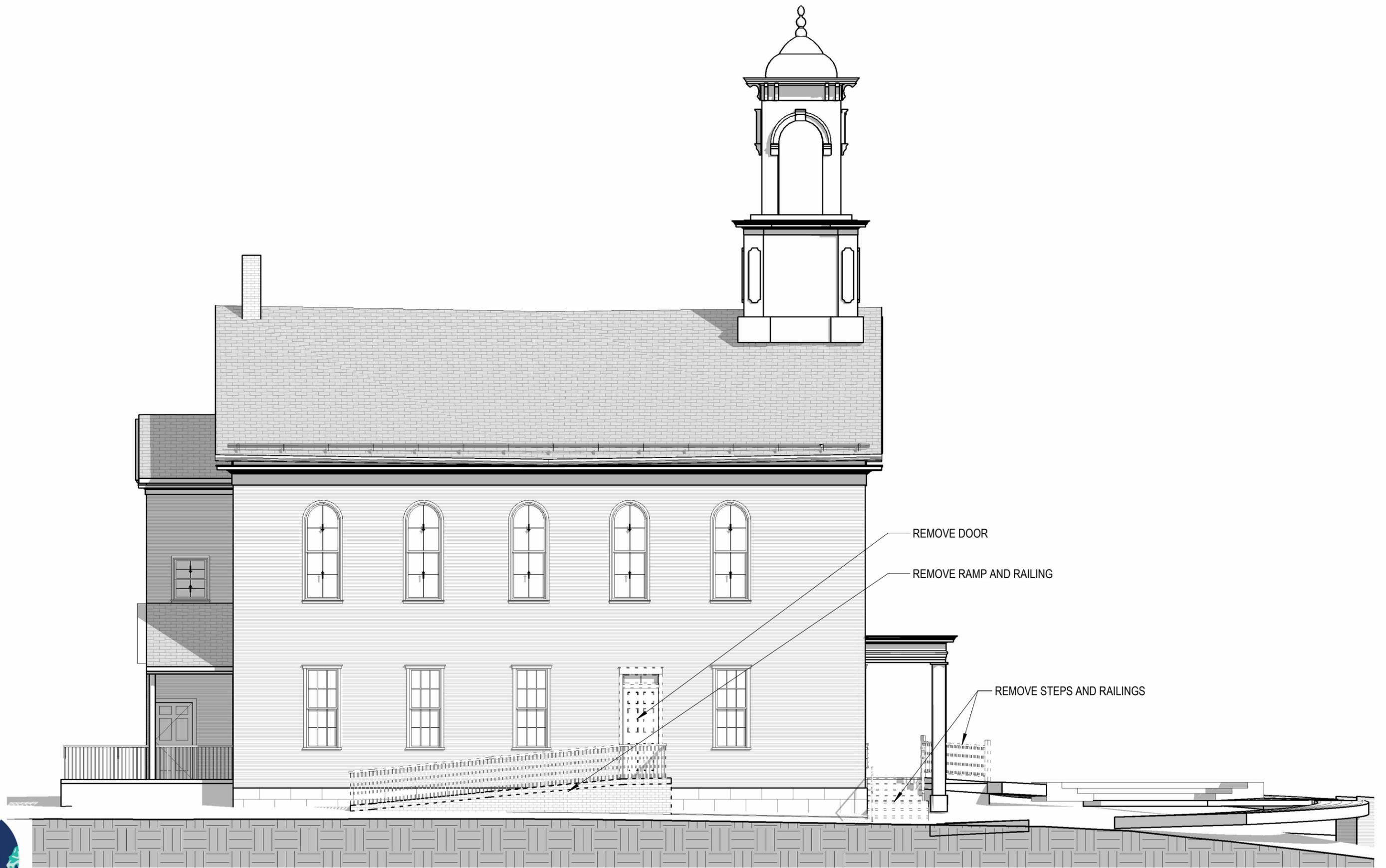
13'-1 15/16"

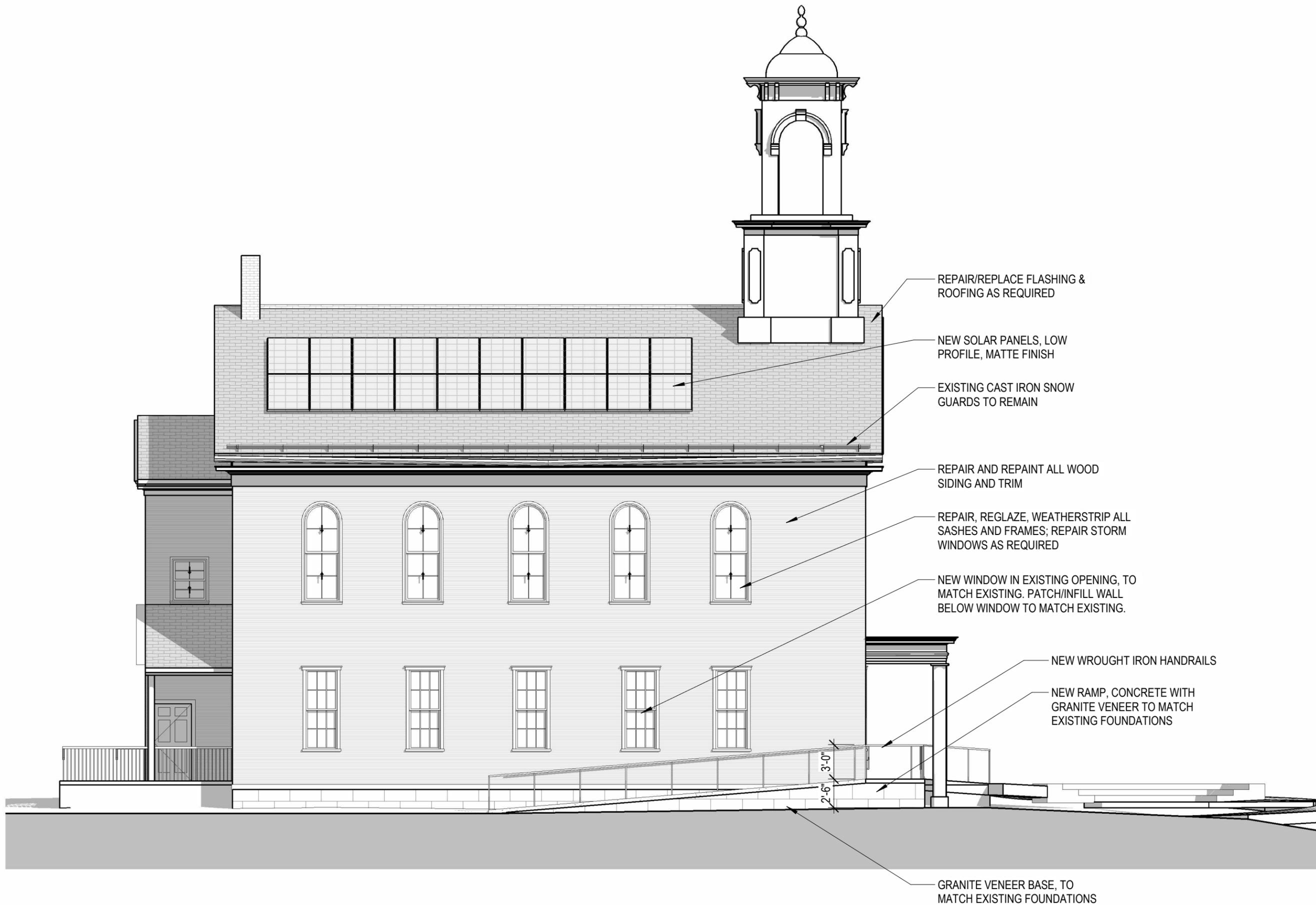
28'-6 9/16"

NORTH ELEVATION PROPOSED  
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL











1 VIEW FROM SOUTHEAST CORNER



2 VIEW FROM SOUTHWEST CORNER



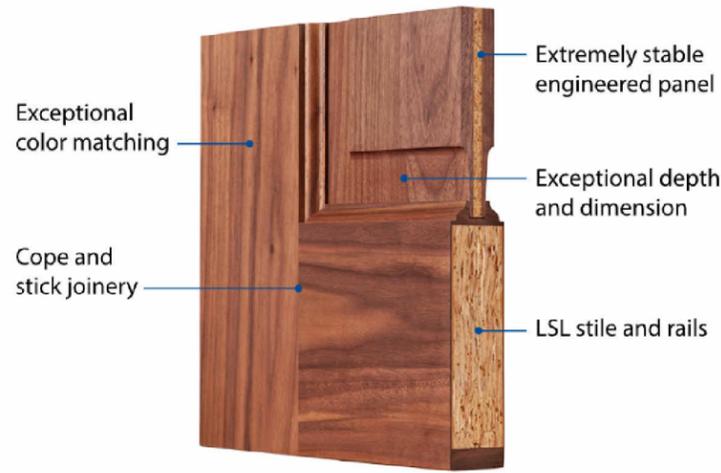
5 VIEW FROM PLEASANT AND MANNING STREET



3D VIEWS

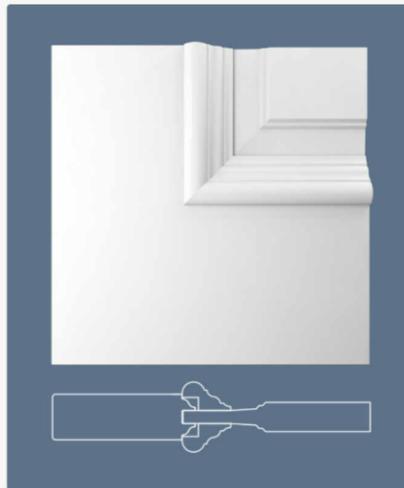
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

# TruStile Reserve Wood Doors

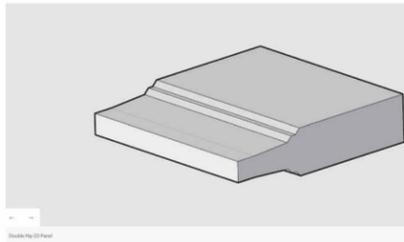
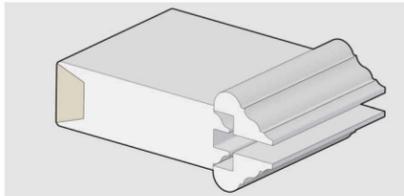


Cross section showing Reserve Wood stile & rail door construction

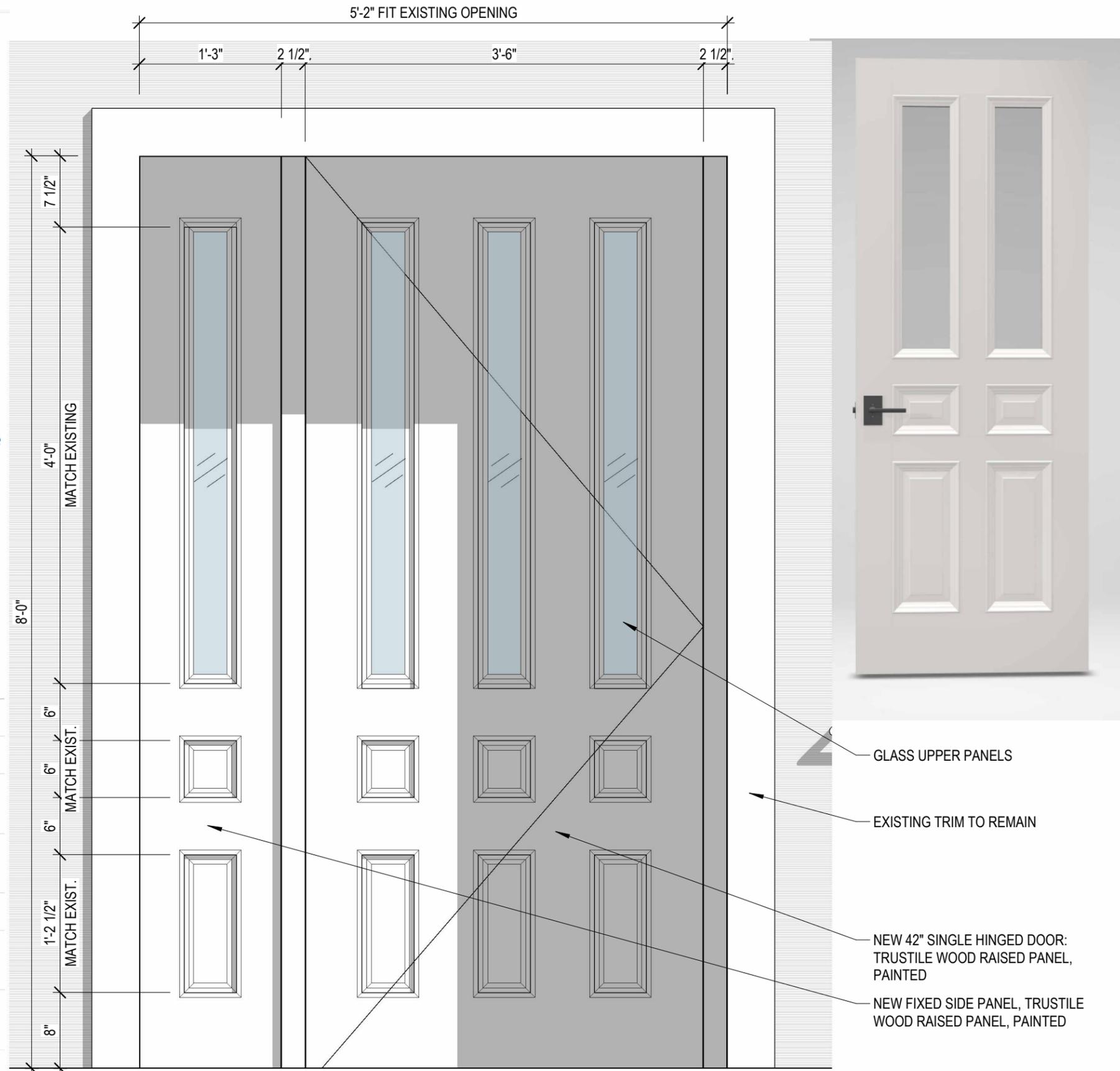
- Made-to order and built to almost any size or style, using genuine stile and rail construction, industry-leading veneers and quality lumber.
- Panels are engineered with a composite wood core for strength and stability, with hand-matched solid wood faces, creating superior, architecturally-correct details.
- HDF-faced laminated strand lumber (LSL) cores and doweled stile and rail assembly offer exceptional strength, durability and maximum stability.



Panel: D - Double Hip Panel  
Sticking: BBM - Big Bolection Moulding



Specification	Description
Thickness	1-3/8", 1-3/4" and 2-1/4"
Maximum Size	68" x 120"
Stiles	Solid wood sticking with HDF-faced laminated strand lumber (LSL) core
Rails	Solid wood sticking with HDF-faced laminated strand lumber (LSL) core
Face	1/16" wood veneer
Panel	<b>Raised Panel</b> Engineered core with edge-glued solid wood face
	<b>Flat Panel</b> Engineered core with 1/16" wood veneer face
Options	20-, 45-, 60- and 90-minute fire ratings. See <a href="#">fire door section</a> for more detail
Warranty	Life of original installation. See <a href="#">warranty section</a> for more detail



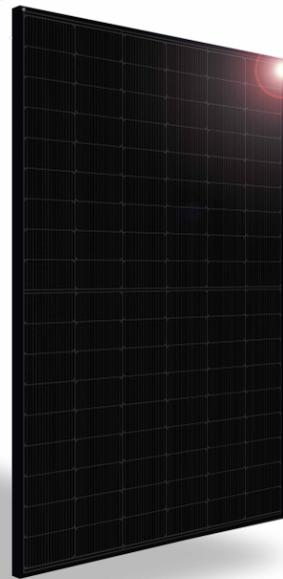
1 PROPOSED DOOR ELEVATION  
1" = 1'-0"

PROPOSED FRONT DOOR



SILFAB PRIME NTC

SIL-440 QD



SILFAB SOLAR



**NEXT-GENERATION N-TYPE CELL TECHNOLOGY**

- Improved Shade Tolerance
- Improved Low-Light Performance
- Increased Performance in High Temperatures
- Enhanced Durability
- Reduced Degradation Rate
- 25-Year Product Warranty/ 30-Year Performance Warranty



**ELECTRICAL SPECIFICATIONS**

440

Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	440	328.0
Maximum power voltage (Vpmax)	V	33.41	31.17
Maximum power current (Ipmax)	A	13.17	10.52
Open circuit voltage (Voc)	V	38.97	36.64
Short circuit current (Isc)	A	14.22	11.44
Module efficiency	%	22.6%	
Maximum system voltage (VDC)	V		1000
Series fuse rating	A		25
Power Tolerance	Wp		0 to +10

Measurement conditions: STC 1000 W/m<sup>2</sup> • AM 1.5 • Temperature 25 °C • NOCT 800 W/m<sup>2</sup> • AM 1.5 • Measurement uncertainty ≤ 3%  
Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by 0 to +10 W.

**MECHANICAL PROPERTIES / COMPONENTS**

**METRIC**

**IMPERIAL**

Module weight	21 kg ± 0.2 kg	46.3 lbs ± 0.4 lbs
Dimensions (H x L x D)	1721 mm x 1133 mm x 35 mm	67.8 in x 44.6 in x 1.37 in
Maximum surface load (wind/snow)*	4000 Pa rear load / 5400 Pa front load	83.5 lb/ft <sup>2</sup> rear load / 112.8 lb/ft <sup>2</sup> front load
Hail impact resistance	Ø 25 mm at 83 km/h	Ø 1 in at 51.6 mph
Cells	108 Half cells - N-Type Silicon solar cell 182 mm x 91 mm	108 Half cells - N-Type Silicon solar cell 7.16 in x 3.58 in
Glass	3.2 mm high transmittance, tempered, antireflective coating	0.126 in high transmittance, tempered, antireflective coating
Cables and connectors (refer to installation manual)	1350 mm, Ø 5.7 mm, MC4 from Staubli	53.1 in, Ø 0.22 in (12 AWG), MC4 from Staubli
Backsheet	High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet	
Frame	Anodized aluminum (Black)	
Junction Box	UL 3730 Certified, IEC 62790 Certified, IP68 rated, 3 diodes	

**TEMPERATURE RATINGS**

**WARRANTIES**

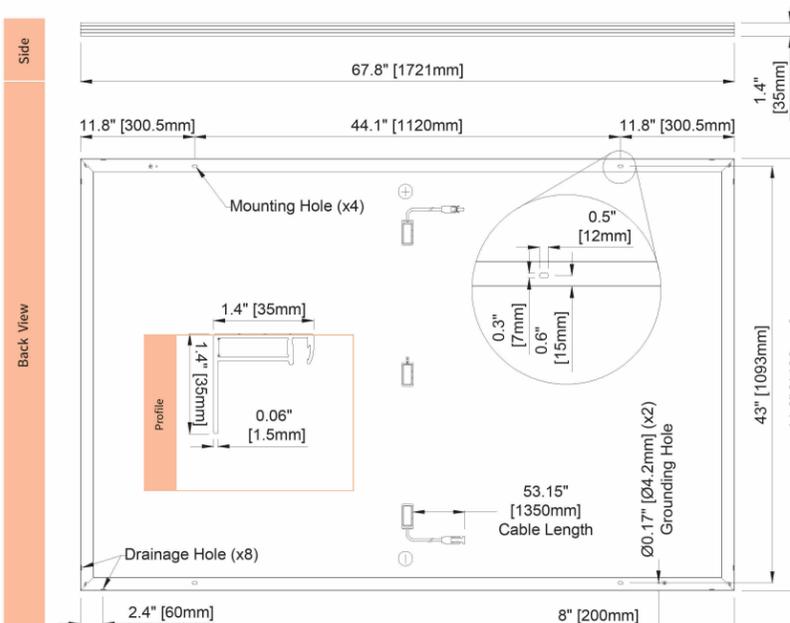
Temperature Coefficient Isc	0.04 %/°C	Module product workmanship warranty	25 years**
Temperature Coefficient Voc	-0.24 %/°C	Linear power performance guarantee	30 years
Temperature Coefficient Pmax	-0.29 %/°C		≥ 98% end 1st yr ≥ 94.7% end 12th yr ≥ 90.8% end 25th yr ≥ 89.3% end 30th yr
NOCT (± 2 °C)	45 °C		
Operating temperature	-40/+85 °C		

**CERTIFICATIONS**

**SHIPPING SPECS**

Product	UL 61215, UL 61730, CSA C22.2#61730, IEC 61215, IEC 61730, IEC 61701 (Salt Mist Corrosion), IEC 62716 (Ammonia Corrosion), CEC Listed, UL Fire Rating: Type 2	Modules Per Pallet:	26 or 26 (California)
Factory	ISO9001:2015	Pallets Per Truck	32 or 30 (California)
		Modules Per Truck	832 or 780 (California)

\* ⚠ Warning. Read the Safety and Installation Manual for mounting specifications and before handling, installing and operating modules.  
\*\* 12 year extendable to 25 years subject to registration and conditions outlined under "Warranty" at [silfabsolar.com](http://silfabsolar.com).  
PAN files generated from 3rd party performance data are available for download at: [silfabsolar.com/downloads](http://silfabsolar.com/downloads).



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Mississauga ON L5T 2Y3 Canada  
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F +1 905.696.0267

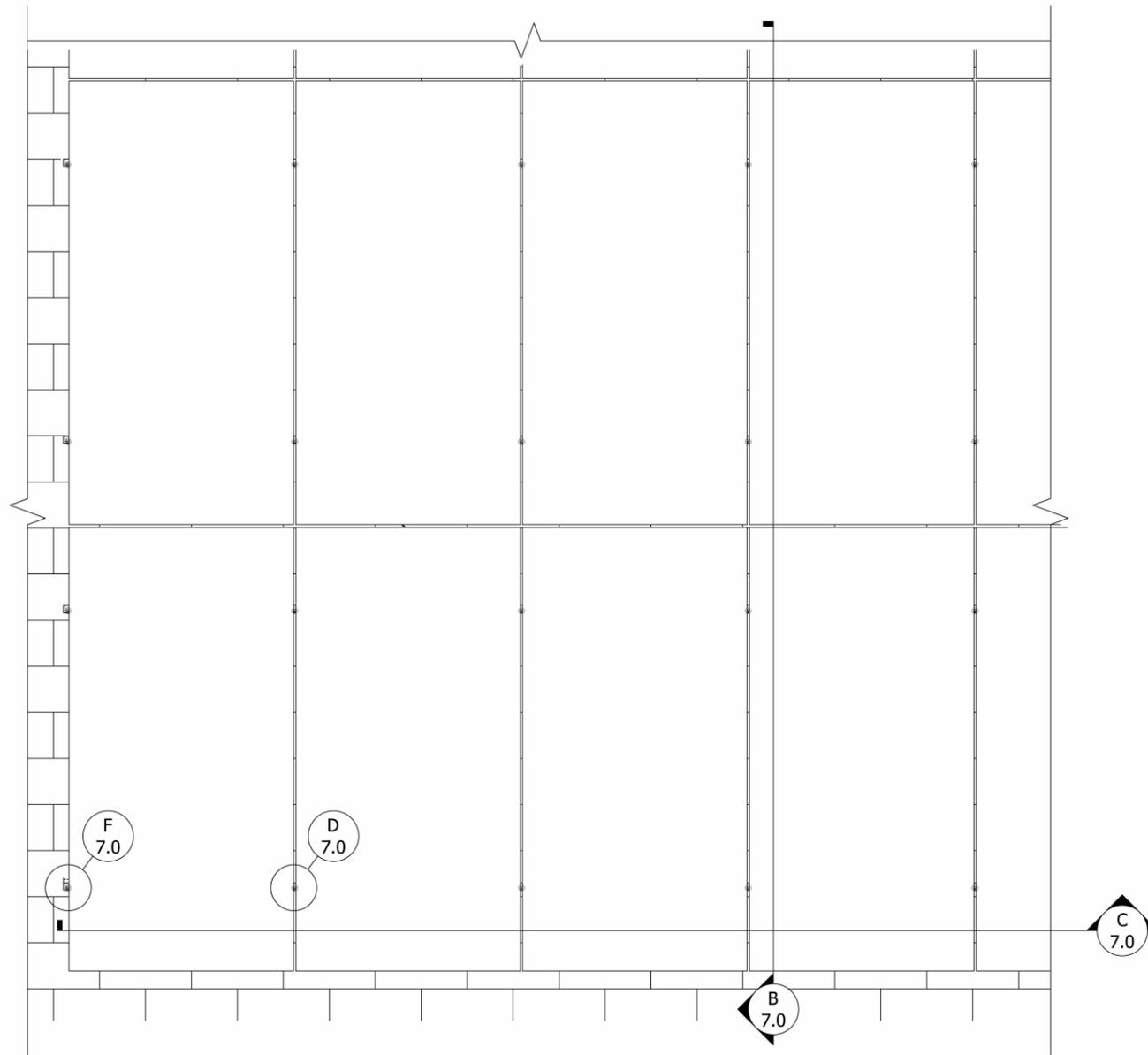
Silfab - SIL-440-QD-20240829  
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MATERIALS - SOLAR PANELS

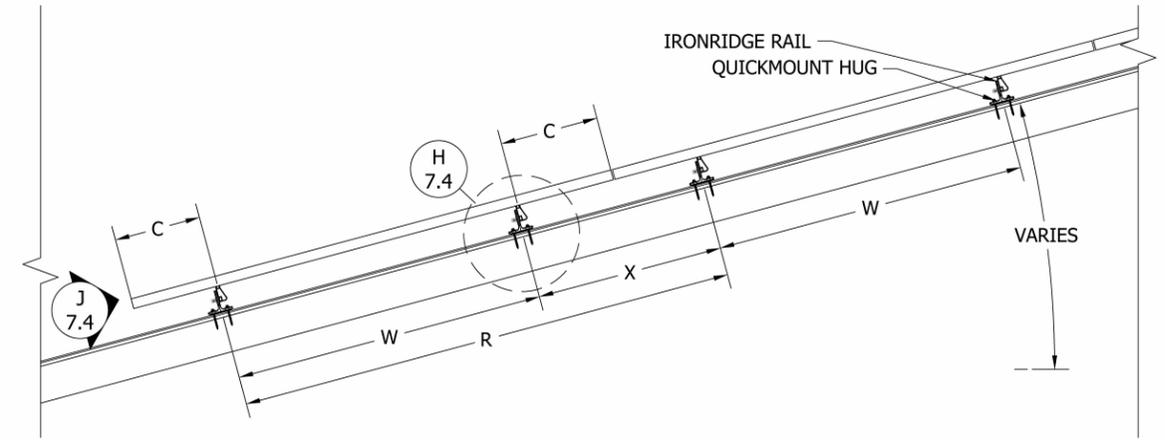
SOUTH MEETING HOUSE, PMAC VISUAL ARTS SCHOOL

H5.10

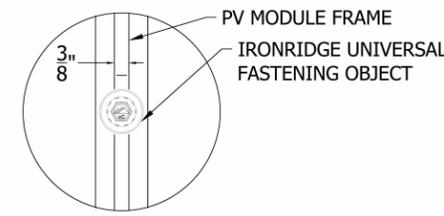
02/20/26  
PROJECT NO:1039



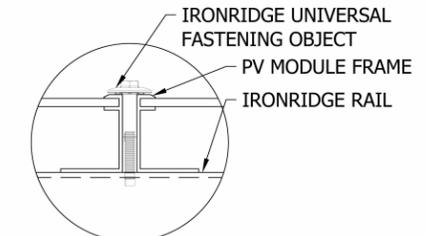
**A** PLAN VIEW, HUG RAFTER, PORTRAIT MODULE  
Scale: 1"=1'-0"



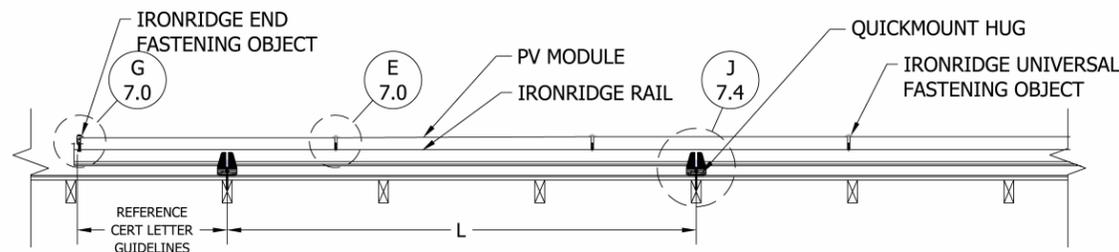
**B** SIDE VIEW, HUG RAFTER, PORTRAIT MODULE  
Scale: 1"=1'-0"



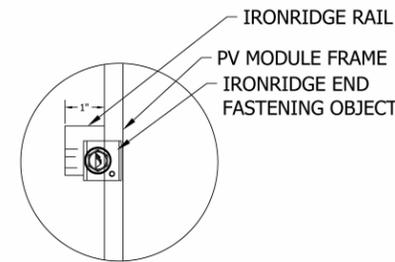
**D** DETAIL, MID CLAMP PLAN  
Scale: 6"=1'-0"



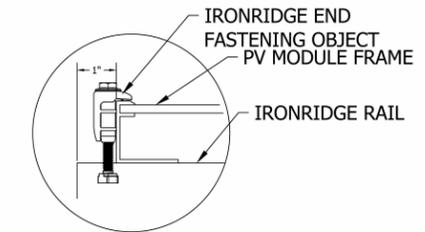
**E** DETAIL, MID CLAMP FRONT  
Scale: 6"=1'-0"



**C** FRONT VIEW, HUG RAFTER, PORTRAIT MODULE  
Scale: 1"=1'-0"



**F** DETAIL, END CLAMP (EFO) PLAN  
Scale: 6"=1'-0"



**G** DETAIL, END CLAMP (EFO) FRONT  
Scale: 6"=1'-0"



REV	DESCRIPTION	DATE
REV_A	DESC_A	DATE_A
REV_B	DESC_B	DATE_B
REV_C	DESC_C	DATE_C
REV_D	DESC_D	DATE_D
REV_E	DESC_E	DATE_E

SHEET NAME  
**SLOPED ROOF PV SYSTEM DETAILS: HUG RAFTER PORTRAIT (EFO)**

JOB NO.  
ISSUE DATE: **MAR 2025**  
SHEET NO.: **IR 9.0**  
SHEET SIZE: 24X36