

**TRANSMITTAL
PRESCOTT PARK PHASE 1A IMPROVEMENTS
SHAW BUILDING HDC APPLICATION DOCUMENTS**

TO: John Wyckoff, Chair
Historic District Commission
City of Portsmouth

COPY: Peter Rice
City of Portsmouth
Director of Public Works

FROM: Carlos Guzmán, AIA (Touloukian Touloukian Inc.)

PROJECT: Prescott Park Phase IA Improvements

DATE: 16 September 2022

PAGES: 50 pages

WE ARE SENDING YOU: Via hardcopy

<u>No. of Copies</u>	<u>Description</u>
1	HDC Application Drawings: 09/16/22
1	HDC Application Supplemental Photobook: 10/05/22
1	HDC Application Supplemental Specifications
1	HDC Work session/Application Presentation: 10/05/22

REMARKS:

We are pleased to submit our Historic District Commission (HDC) Certificate of Appropriateness Application to relocate and renovate the Shaw building located at 105 Marcy St, Portsmouth, NH.

Our submission includes the following documents:

1. Drawing package dated 09/16/22 that documents the existing buildings, extent of demolition, and proposed elevations and details.
2. Supplemental Photobook dated 10/05/22 conveying the existing buildings.
3. Supplemental building specifications of the proposed window and door systems for the Shaw Building renovation.
4. Presentation for our 10/05/22 Public Meeting

Please contact us with any questions or if you need any other information.

Sincerely,

Carlos Guzmán, AIA
Project Architect

CITY OF PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF PUBLIC WORKS

PRESCOTT PARK PHASE 1A IMPROVEMENTS

SHAW BUILDING HDC APPLICATION DOCUMENTS



DRAWING LIST

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A3.00	WINDOW, DOOR, AND EAVE DETAILS

Project:
 PORTSMOUTH,
 NEW HAMPSHIRE



PRESCOTT PARK
 PHASE 1 IMPROVEMENTS
 105 MARCY STREET,
 PORTSMOUTH, NH, 03801

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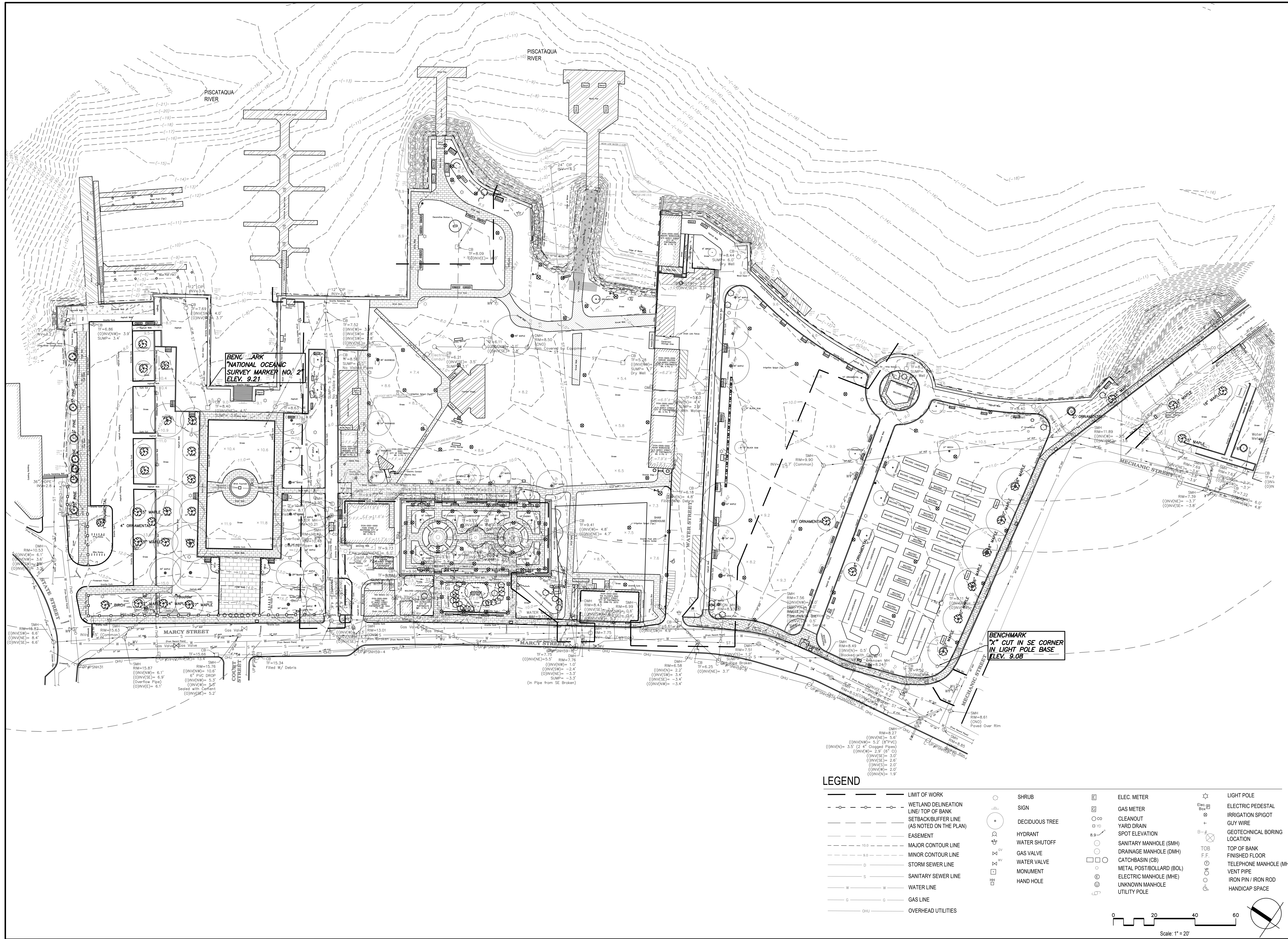
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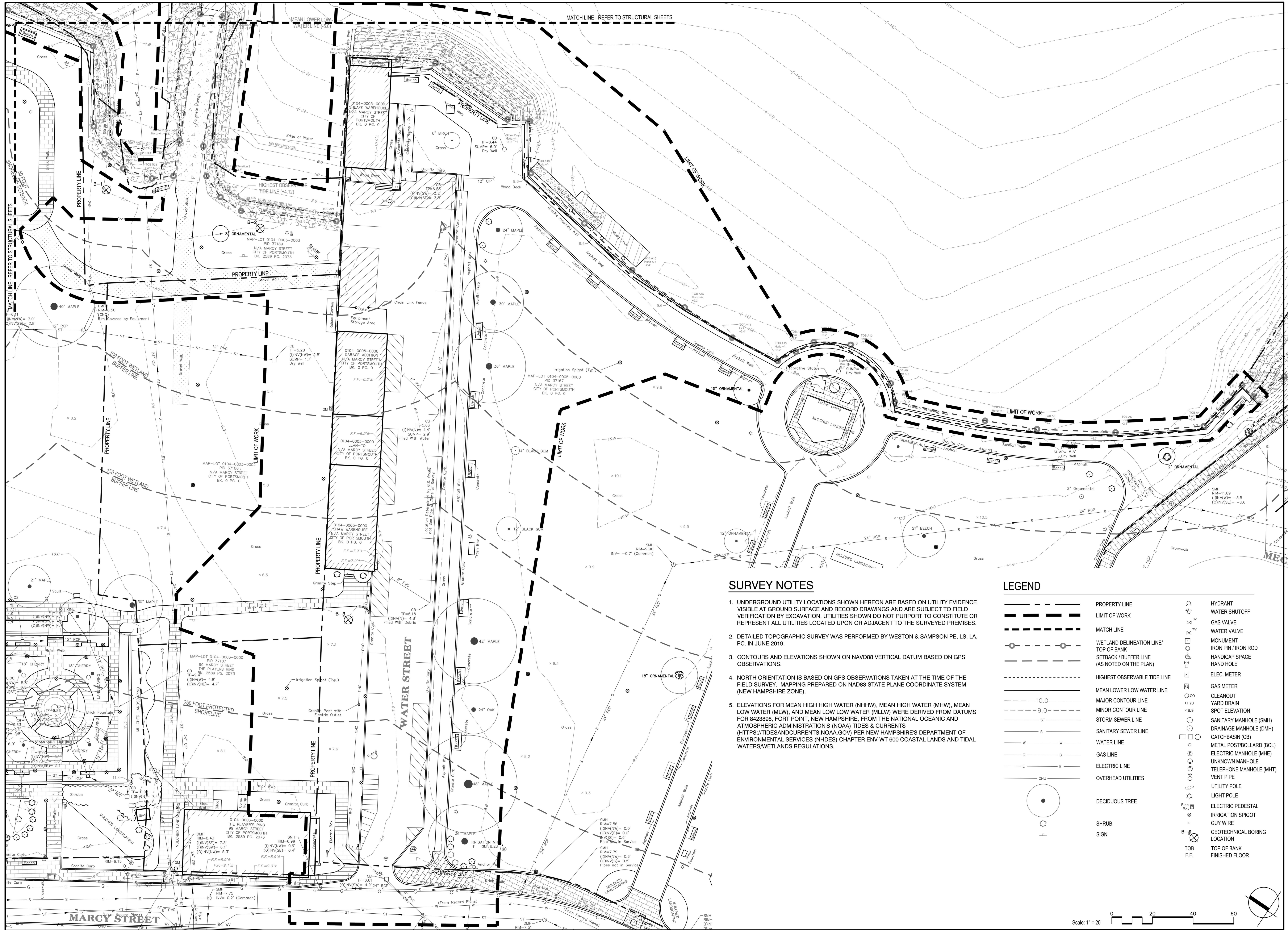
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PARK-WIDE EXISTING CONDITIONS PLAN
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SURVEY NOTES

1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON UTILITY EVIDENCE VISIBLE AT GROUND SURFACE AND RECORD DRAWINGS AND ARE SUBJECT TO FIELD VERIFICATION BY EXCAVATION. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES.
2. DETAILED TOPOGRAPHIC SURVEY WAS PERFORMED BY WESTON & SAMPSON PE, LS, LA, PC IN JUNE 2019.
3. CONTOURS AND ELEVATIONS SHOWN ON NAVD88 VERTICAL DATUM BASED ON GPS OBSERVATIONS.
4. NORTH ORIENTATION IS BASED ON GPS OBSERVATIONS TAKEN AT THE TIME OF THE FIELD SURVEY. MAPPING PREPARED ON NAD83 STATE PLANE COORDINATE SYSTEM (NEW HAMPSHIRE ZONE).
5. ELEVATIONS FOR MEAN HIGH HIGH WATER (NHHW), MEAN HIGH WATER (MHW), MEAN LOW WATER (MLW), AND MEAN LOW LOW WATER (MLLW) WERE DERIVED FROM DATUMS FOR 8423898, FORT POINT, NEW HAMPSHIRE, FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'S (NOAA) TIDES & CURRENTS (HTTPS://TIDESANDCURRENTS.NOAA.GOV) PER NEW HAMPSHIRE'S DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDES) CHAPTER ENV-WT 600 COASTAL LANDS AND TIDAL WATERS/WETLANDS REGULATIONS.

LEGEND

	PROPERTY LINE		HYDRANT
	LIMIT OF WORK		WATER SHUTOFF
	MATCH LINE		GAS VALVE
	WETLAND DELINEATION LINE/ TOP OF BANK		WATER VALVE
	SETBACK / BUFFER LINE (AS NOTED ON THE PLAN)		MONUMENT
	HIGHEST OBSERVABLE TIDE LINE		IRON PIN / IRON ROD
	MEAN LOWER LOW WATER LINE		HANDICAP SPACE
	MAJOR CONTOUR LINE		HAND HOLE
	MINOR CONTOUR LINE		ELEC. METER
	STORM SEWER LINE		GAS METER
	SANITARY SEWER LINE		CLEANOUT
	WATER LINE		YARD DRAIN
	GAS LINE		SPOT ELEVATION
	ELECTRIC LINE		STORM SEWER LINE
	OVERHEAD UTILITIES		SANITARY MANHOLE (SMH)
	DECIDUOUS TREE		DRAINAGE MANHOLE (DMH)
	SHRUB		CATCHBASIN (CB)
	SIGN		METAL POST/BOLLARD (BOL)
			ELECTRIC MANHOLE (MHE)
			UNKNOWN MANHOLE
			TELEPHONE MANHOLE (MHT)
			UTILITY POLE
			LIGHT POLE
			ELECTRIC PEDESTAL
			IRRIGATION SPIGOT
			GUY WIRE
			GEOTECHNICAL BORING
			LOCATION
			TOP OF BANK
			FINISHED FLOOR

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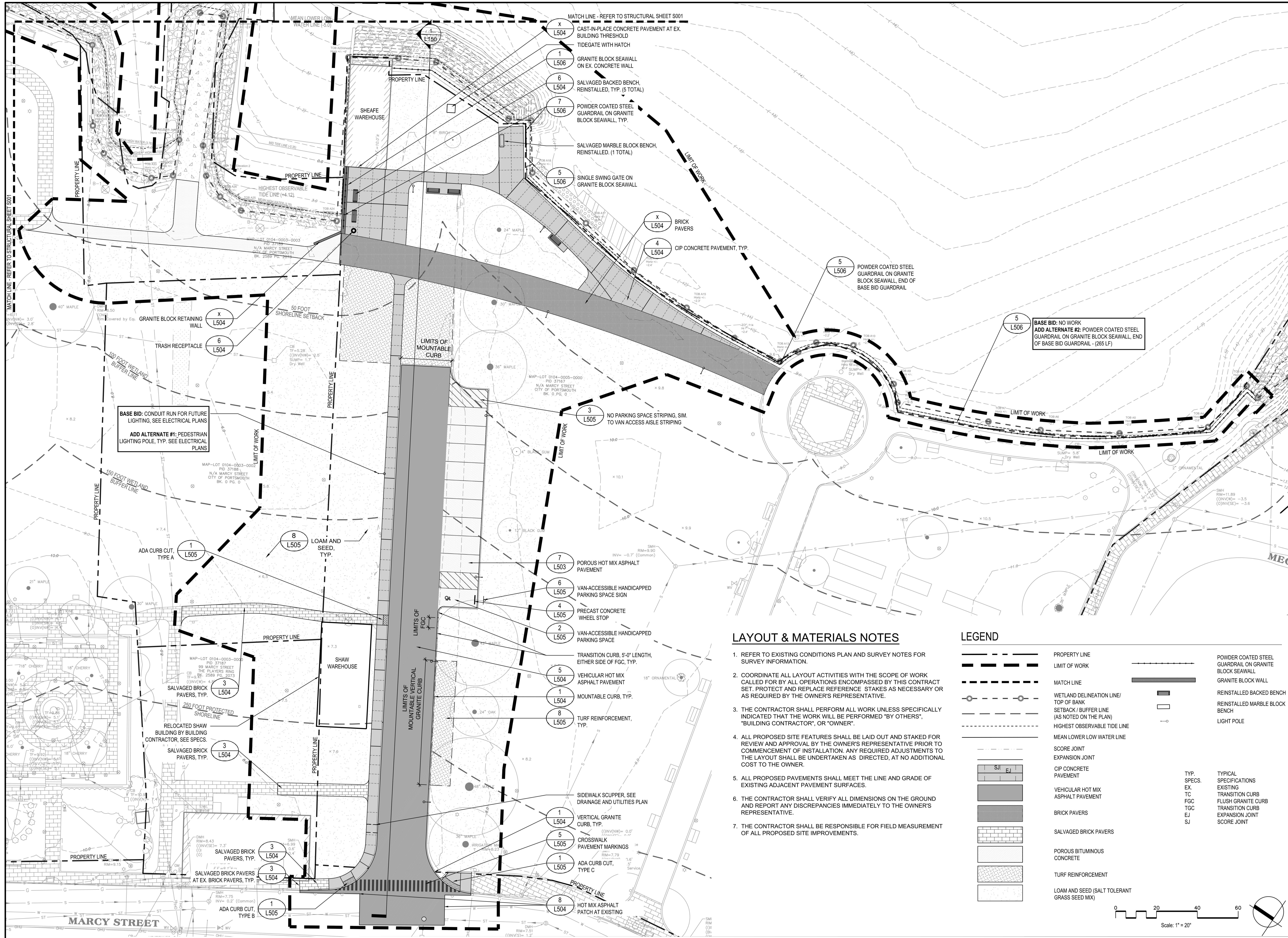
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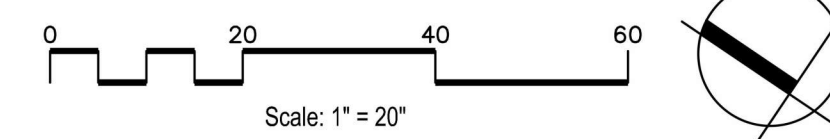
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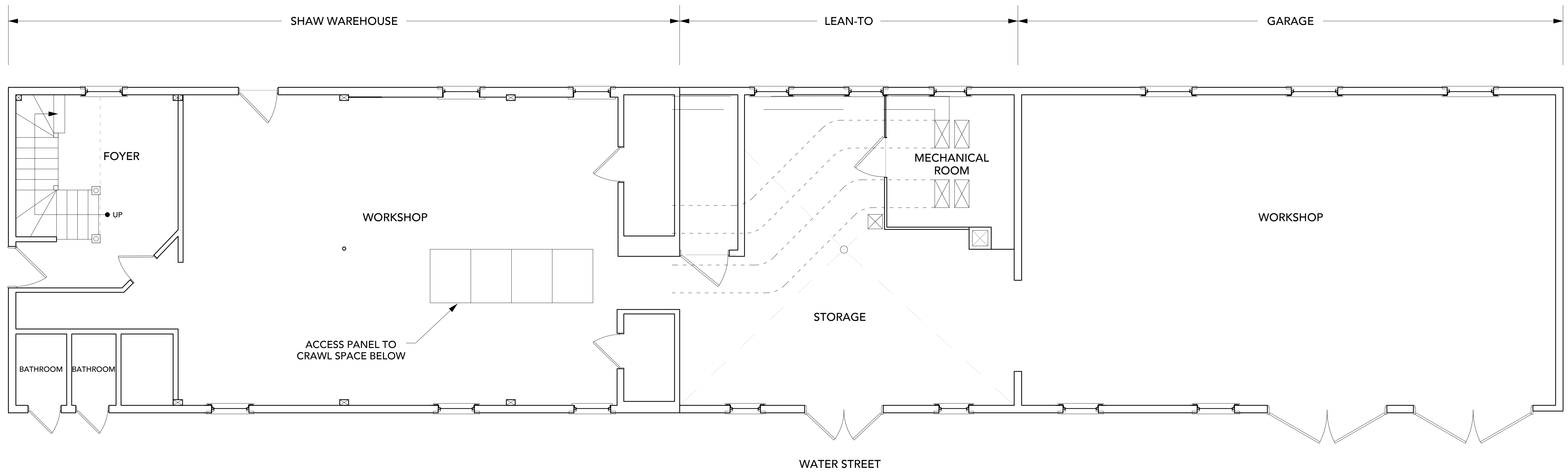
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MATERIALS PLAN
 Sheet Number:
A1.00

- ### LAYOUT & MATERIALS NOTES
- REFER TO EXISTING CONDITIONS PLAN AND SURVEY NOTES FOR SURVEY INFORMATION.
 - COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY ALL OPERATIONS ENCOMPASSED BY THIS CONTRACT SET. PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL PERFORM ALL WORK UNLESS SPECIFICALLY INDICATED THAT THE WORK WILL BE PERFORMED "BY OTHERS", "BUILDING CONTRACTOR", OR "OWNER".
 - ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
 - ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENT OF ALL PROPOSED SITE IMPROVEMENTS.

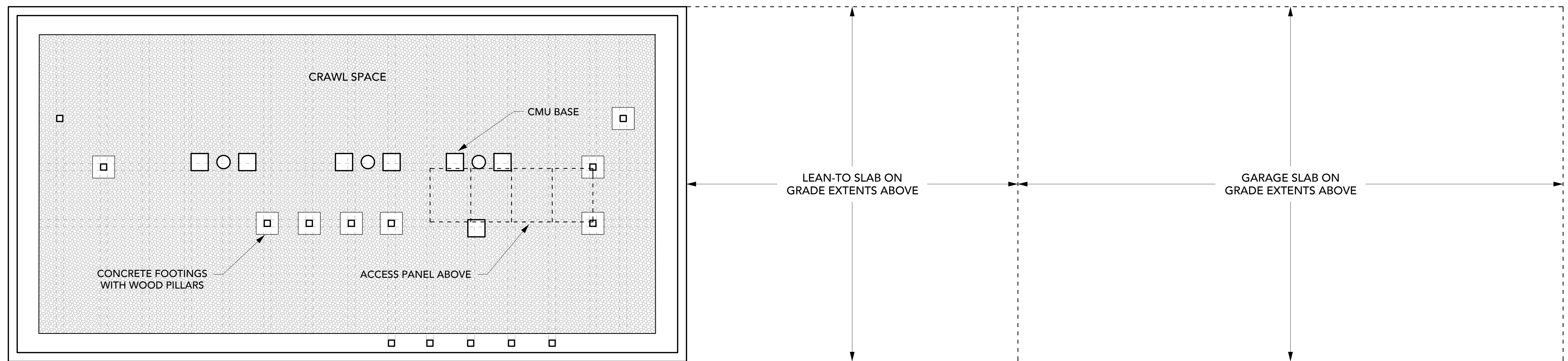
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	PROPERTY LINE		POWDER COATED STEEL GUARDRAIL ON GRANITE BLOCK SEAWALL
	LIMIT OF WORK		GRANITE BLOCK WALL
	MATCH LINE		REINSTALLED BACKED BENCH
	WETLAND DELINEATION LINE/ TOP OF BANK		REINSTALLED MARBLE BLOCK BENCH
	SETBACK / BUFFER LINE (AS NOTED ON THE PLAN)		LIGHT POLE
	HIGHEST OBSERVABLE TIDE LINE		
	MEAN LOWER LOW WATER LINE		
	SCORE JOINT		
	EXPANSION JOINT		
	CIP CONCRETE PAVEMENT		TYP. SPECS. EX. TC FGC TGC EJ SJ
	VEHICULAR HOT MIX ASPHALT PAVEMENT		TYPICAL SPECIFICATIONS EXISTING
	BRICK PAVERS		TRANSITION CURB
	SALVAGED BRICK PAVERS		FLUSH GRANITE CURB
	POROUS BITUMINOUS CONCRETE		EXPANSION JOINT
	TURF REINFORCEMENT		SCORE JOINT
	LOAM AND SEED (SALT TOLERANT GRASS SEED MIX)		

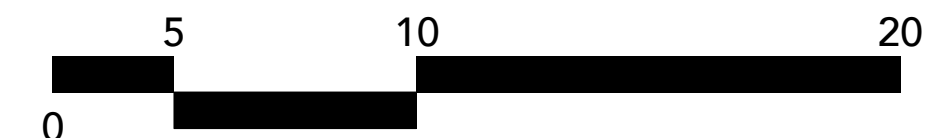




2 SHAW BUILDING LEVEL 1 EXISTING PLAN
GRAPHIC SCALE



1 EXISTING FOUNDATION PLAN
GRAPHIC SCALE



Project:
PORTSMOUTH,
NEW HAMPSHIRE



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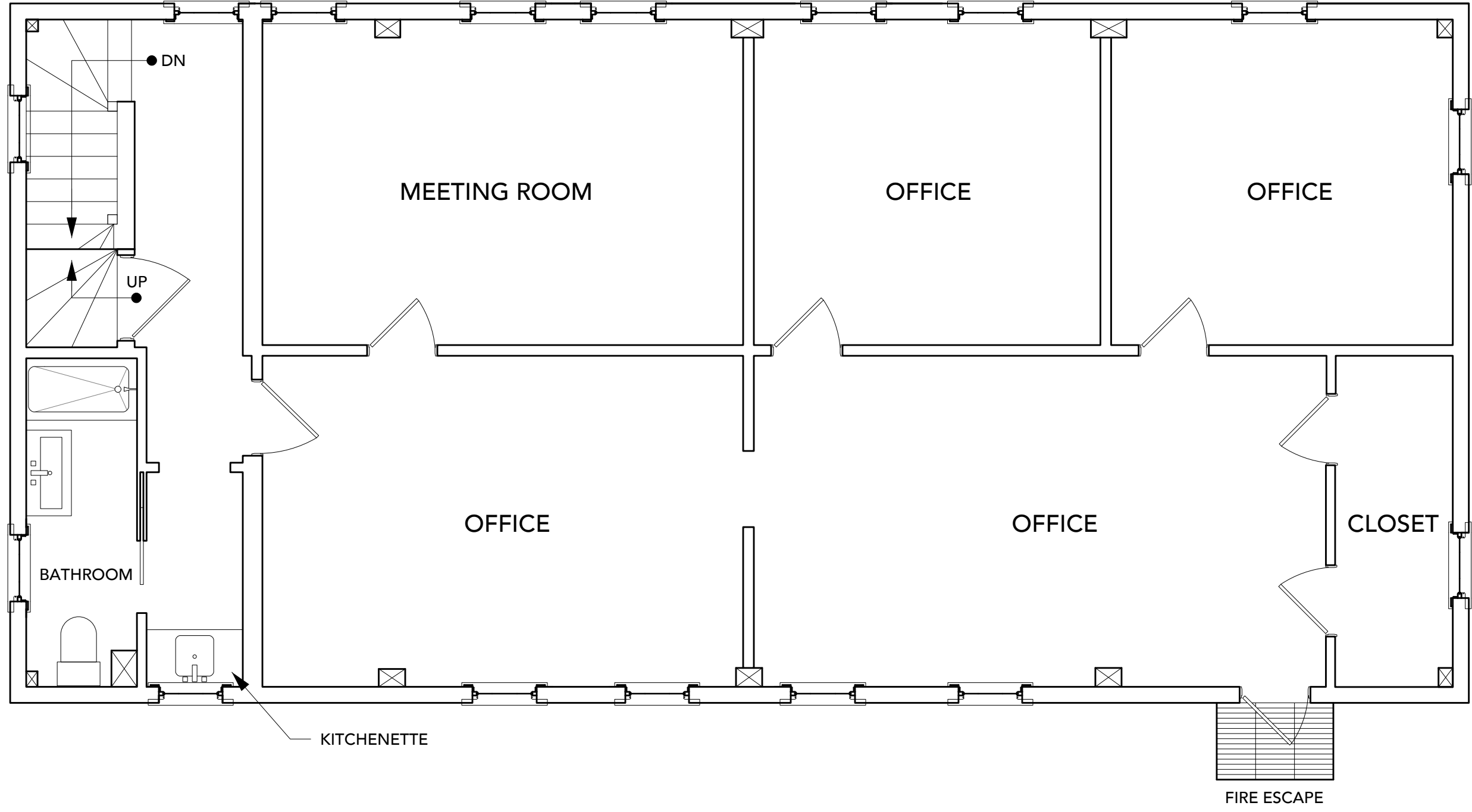
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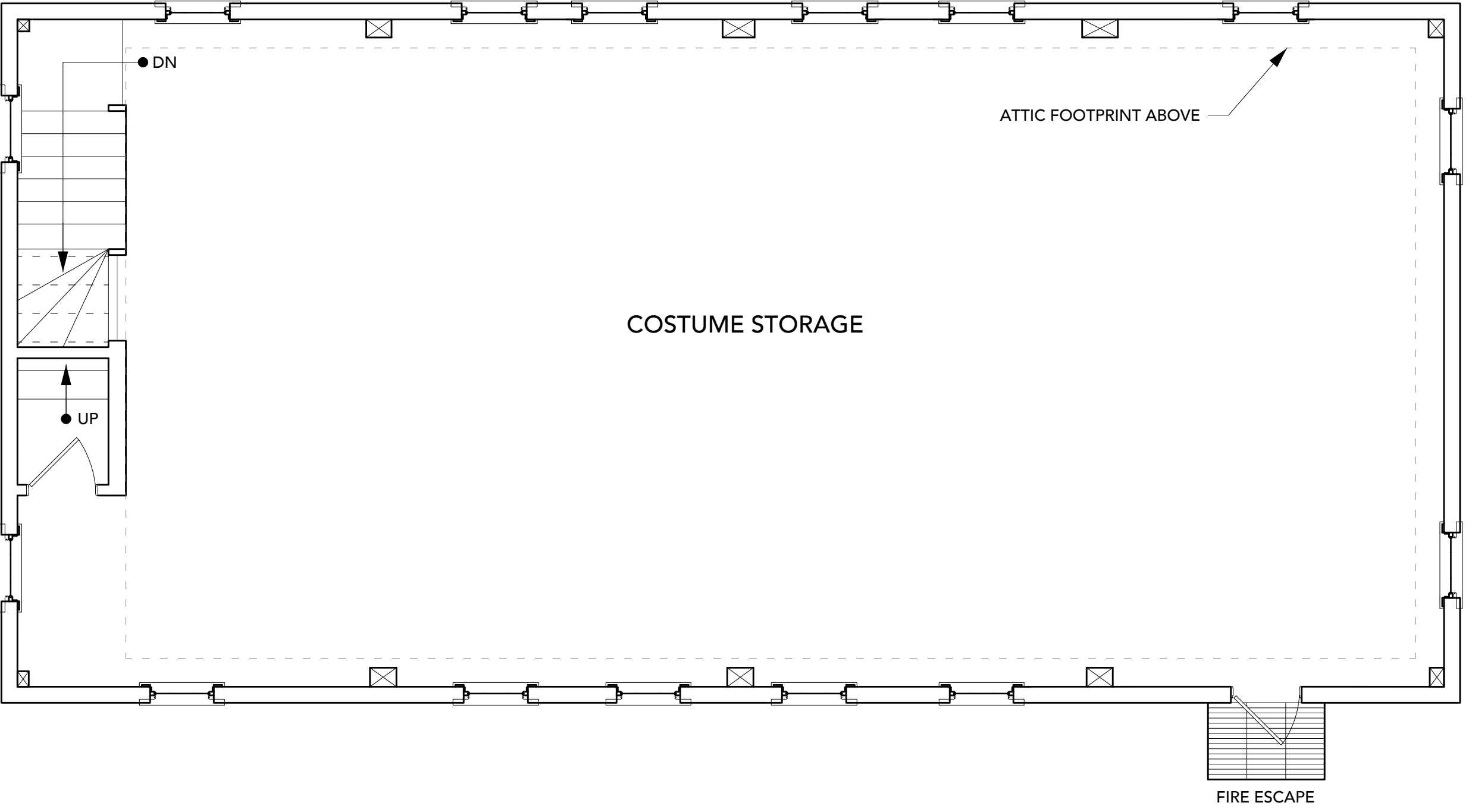
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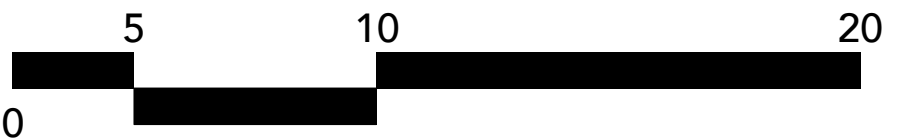
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2 SHAW BUILDING LEVEL 2 EXISTING PLAN
 GRAPHIC SCALE



3 SHAW BUILDING LEVEL 3 EXISTING PLAN
 GRAPHIC SCALE



T.O. ROOF RIDGE
43' - 13/4"

T.O. THIRD
FLR: 26' - 1/2"

T.O. SECOND
FLR: 17' - 10"

T.O. FIRST
FLR: 7' - 11"



2 SHAW BUILDING NORTH ELEVATION - EXISTING
GRAPHIC SCALE

T.O. ROOF RIDGE
43' - 13/4"

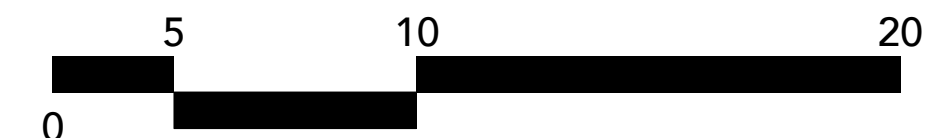
T.O. THIRD FLOOR
26' - 0 1/2"

T.O. SECOND FLOOR
17' - 10"

T.O. FIRST FLR
7' - 11"



1 SHAW BUILDING SOUTH ELEVATION - EXISTING
GRAPHIC SCALE



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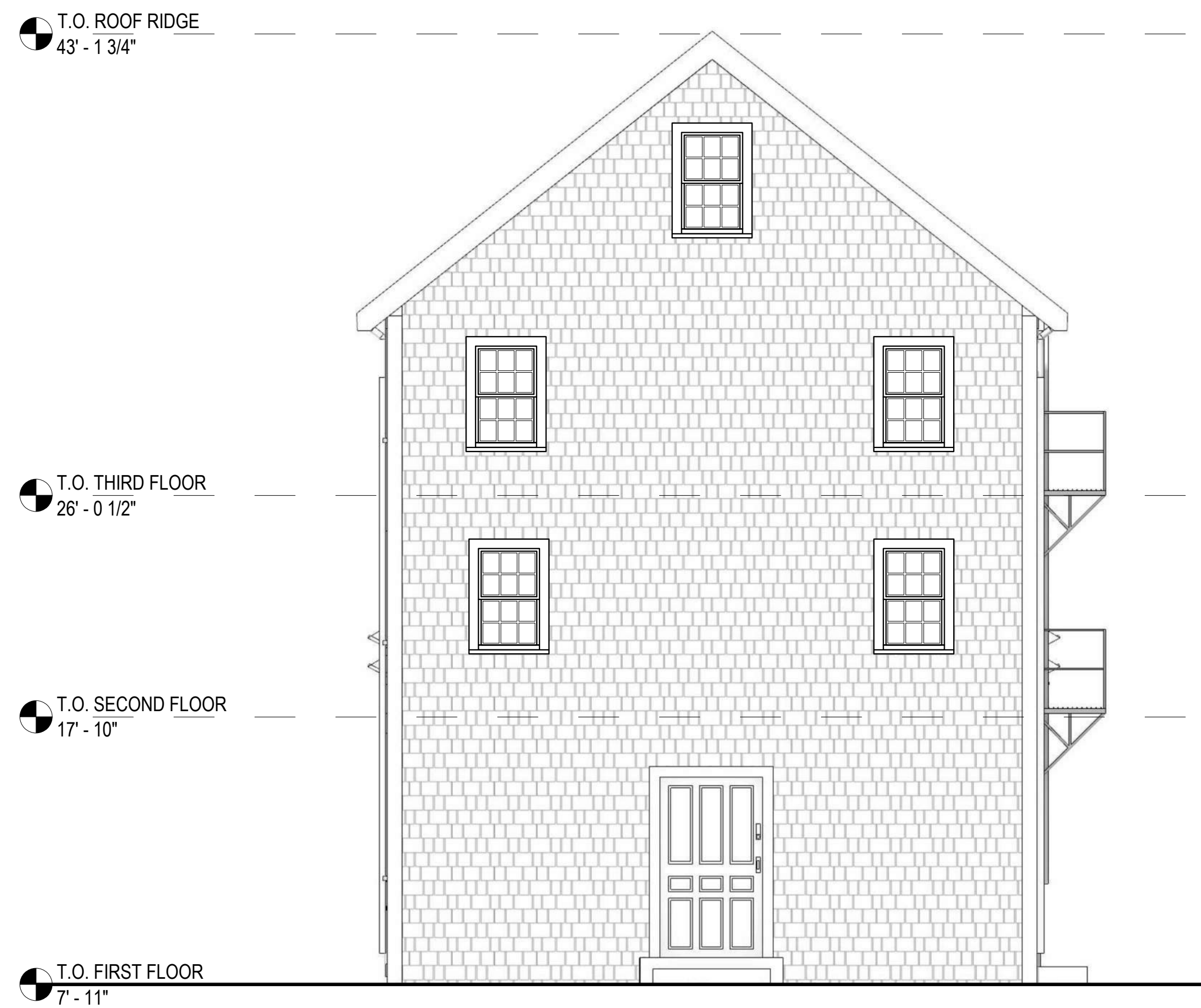
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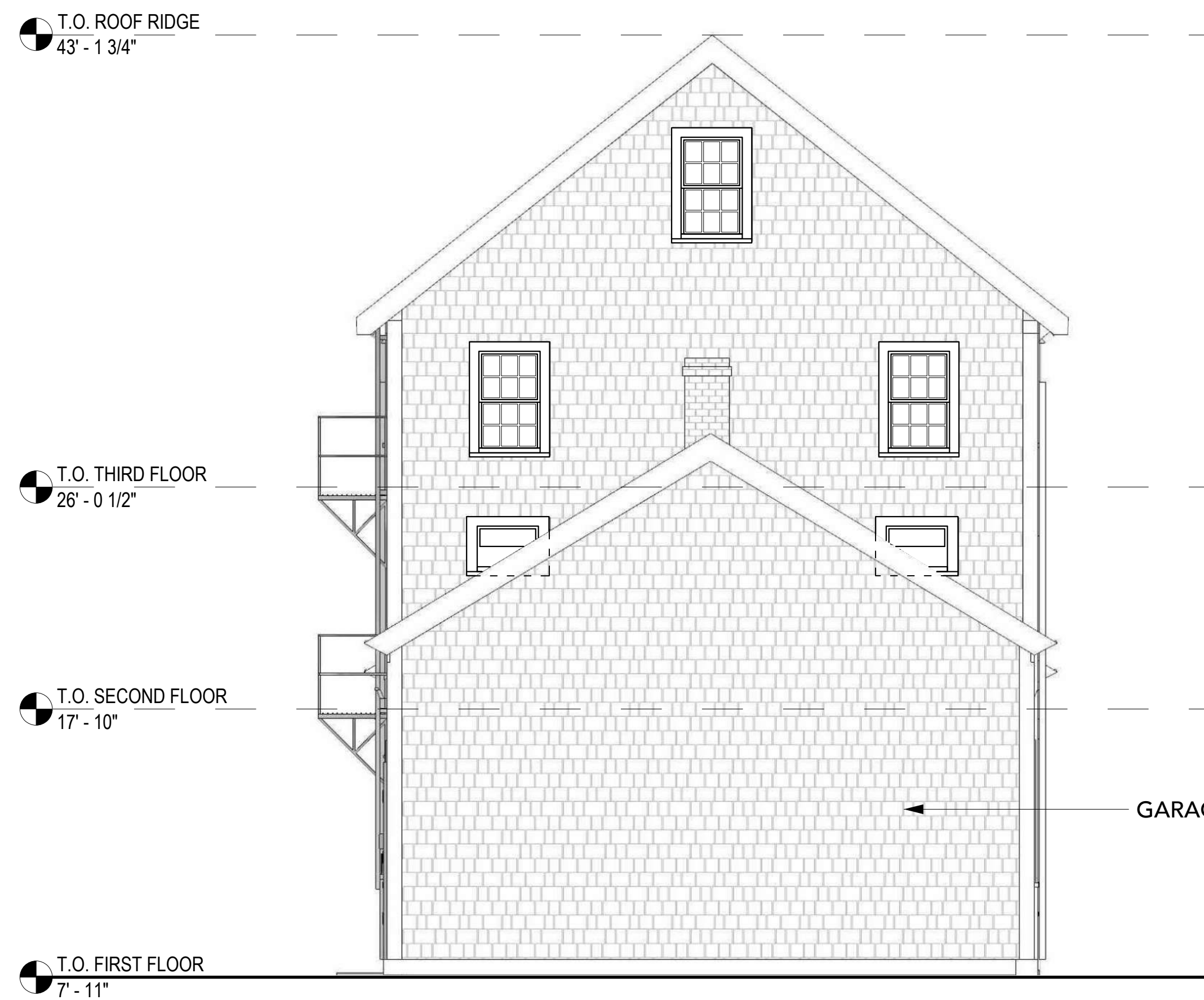
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**EXISTING
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ELEVATIONS:
THE SHAW**

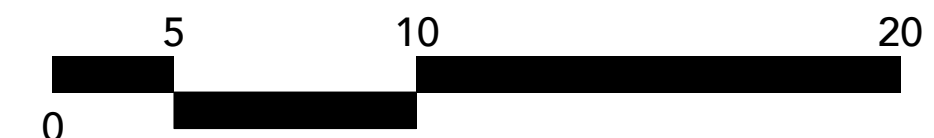
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2 SHAW BUILDING WEST ELEVATION - EXISTING
GRAPHIC SCALE



1 SHAW BUILDING EAST ELEVATION - EXISTING
GRAPHIC SCALE



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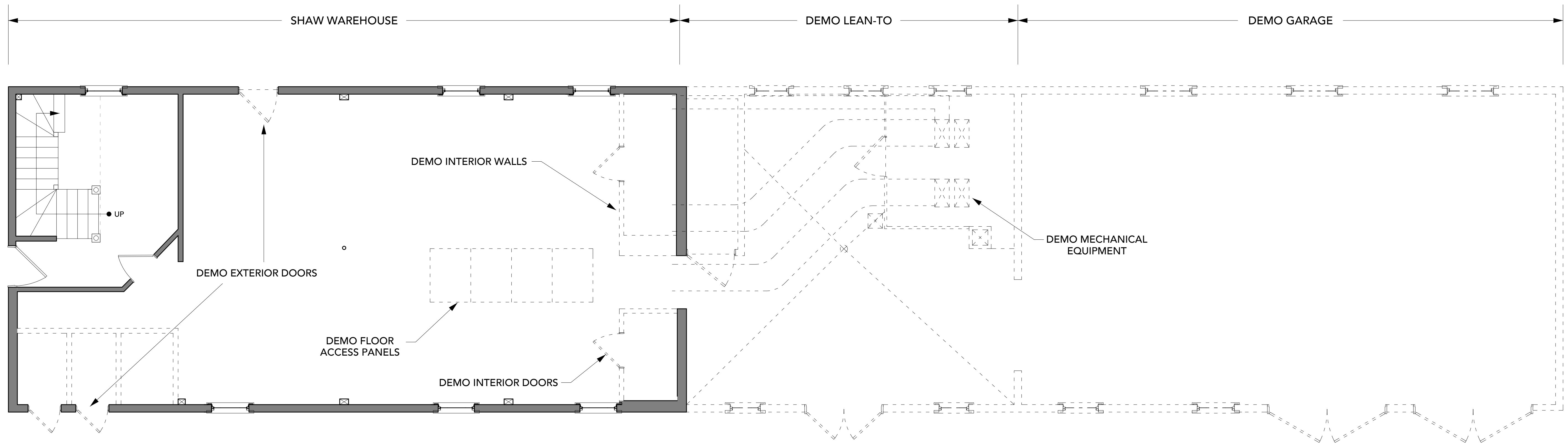
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THE SHAW**

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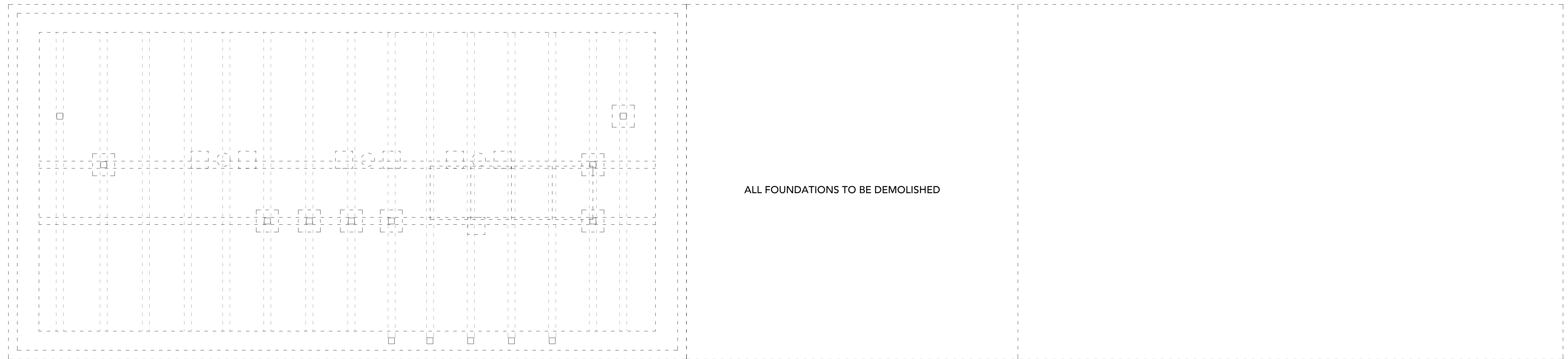
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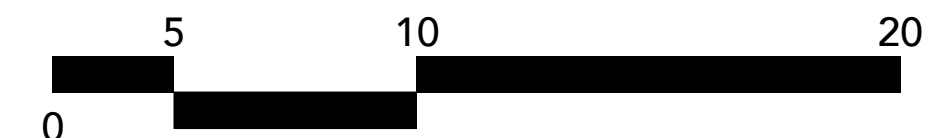
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2 SHAW BUILDING LEVEL 1 DEMO PLAN
GRAPHIC SCALE



1 SHAW BUILDING FOUNDATION DEMO PLAN
GRAPHIC SCALE



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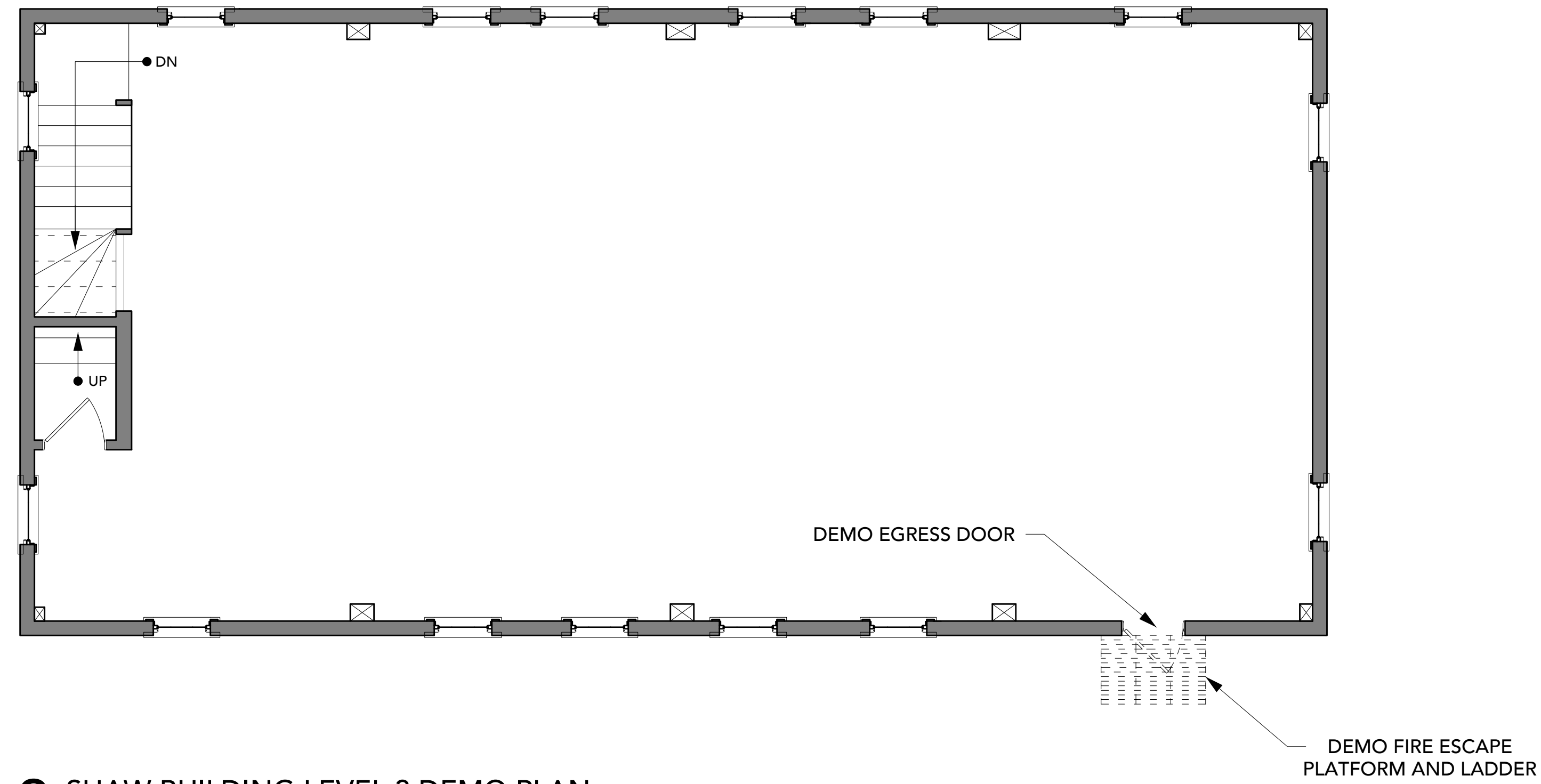
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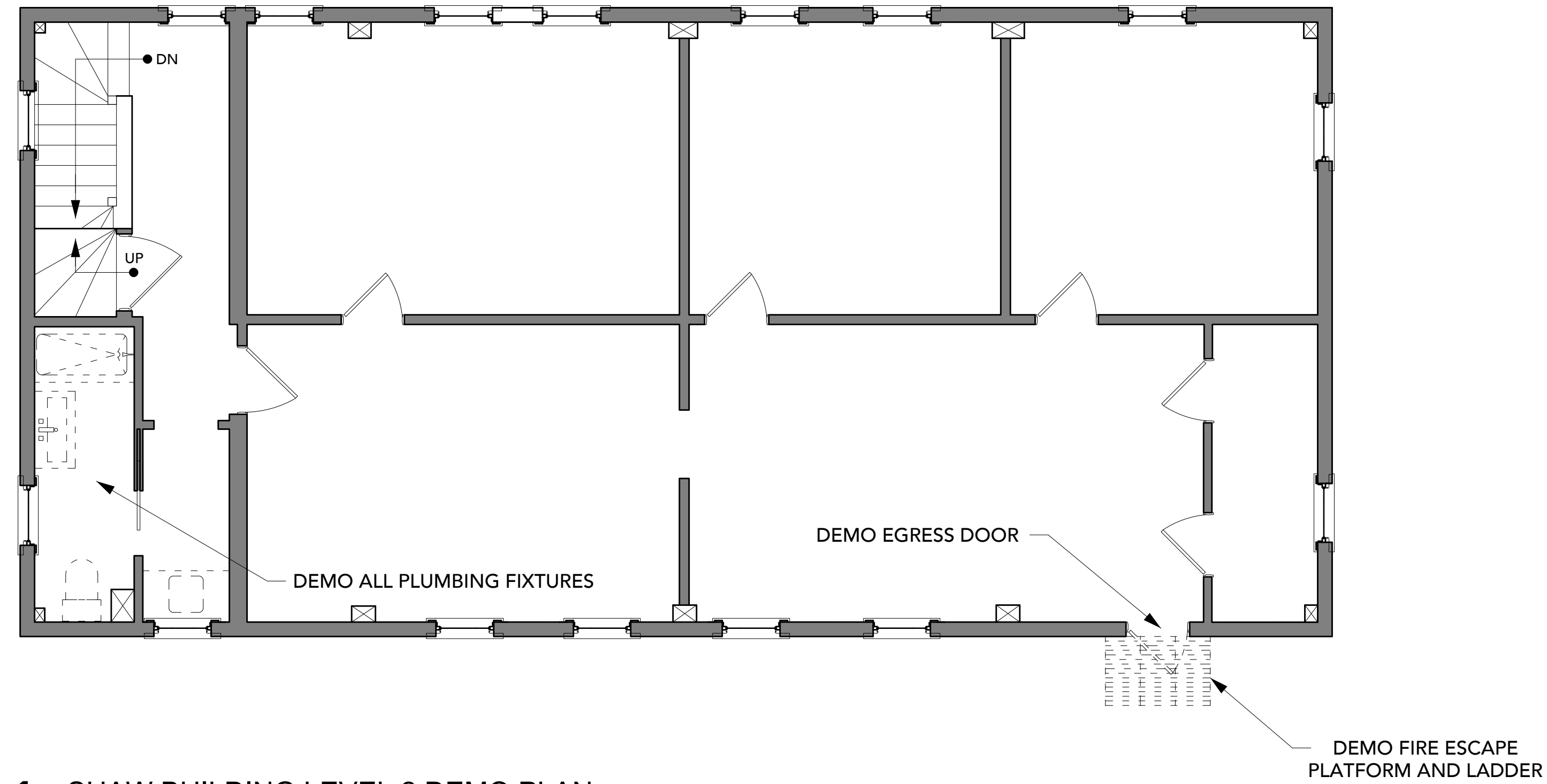
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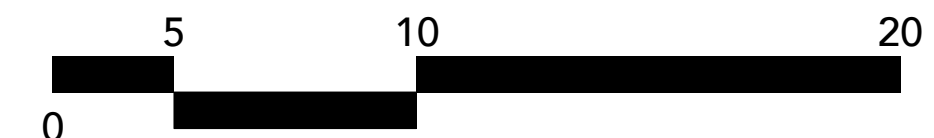
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2 SHAW BUILDING LEVEL 3 DEMO PLAN
GRAPHIC SCALE



1 SHAW BUILDING LEVEL 2 DEMO PLAN
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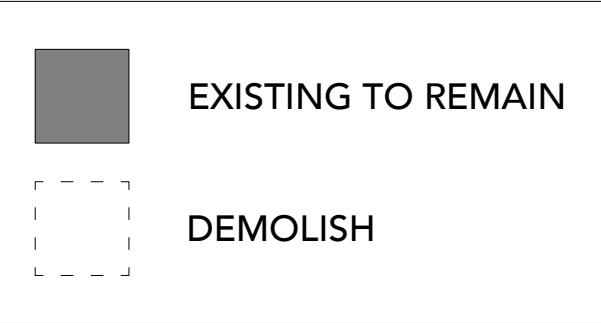
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**SHAW
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 DEMO PLAN**

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T.O. ROOF RIDGE
43' - 1 3/4"

LEGEND



NOTES

1. SEE DEMOLITION AND PROPOSED ELEVATIONS FOR ADDITIONAL CONFIRMATION
2. SEE SITE PLAN FOR PROPOSED FOOTPRINT LOCATION

DEMO ROOF SYSTEM, SHINGLES,
TRIM, AND WINDOWS (TYP.)

DEMO LEAN-TO AND
GARAGE IN ENTIRETY (TYP.)

T.O. THIRD
FLR: 26' - 1/2"

T.O. SECOND
FLR: 17' - 10"

T.O. FIRST
FLR: 7' - 11"

2 SHAW BUILDING NORTH ELEVATION - DEMO
GRAPHIC SCALE

OPTION TO SALVAGE STONE
FOR NEW FOUNDATION (TYP.)

DEMO OPENING FOR NEW WINDOW
DEMO DOOR AND TRIM

T.O. ROOF RIDGE
43' - 1 3/4"

T.O. THIRD FLOOR
26' - 0 1/2"

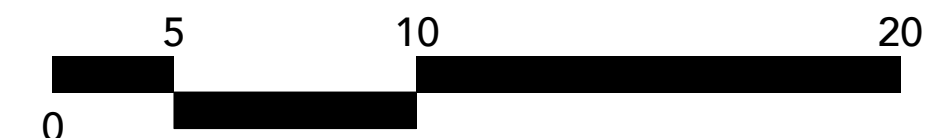
T.O. SECOND FLOOR
17' - 10"

T.O. FIRST FLR
7' - 11"

DEMO FIRE DOORS, TRIM,
AND LADDER SYSTEM

DEMO OPENING FOR NEW WINDOW
DEMO DOORS AND TRIM

1 SHAW BUILDING SOUTH ELEVATION - DEMO
GRAPHIC SCALE



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**EXISTING
BUILDING
ELEVATIONS:
THE SHAW**

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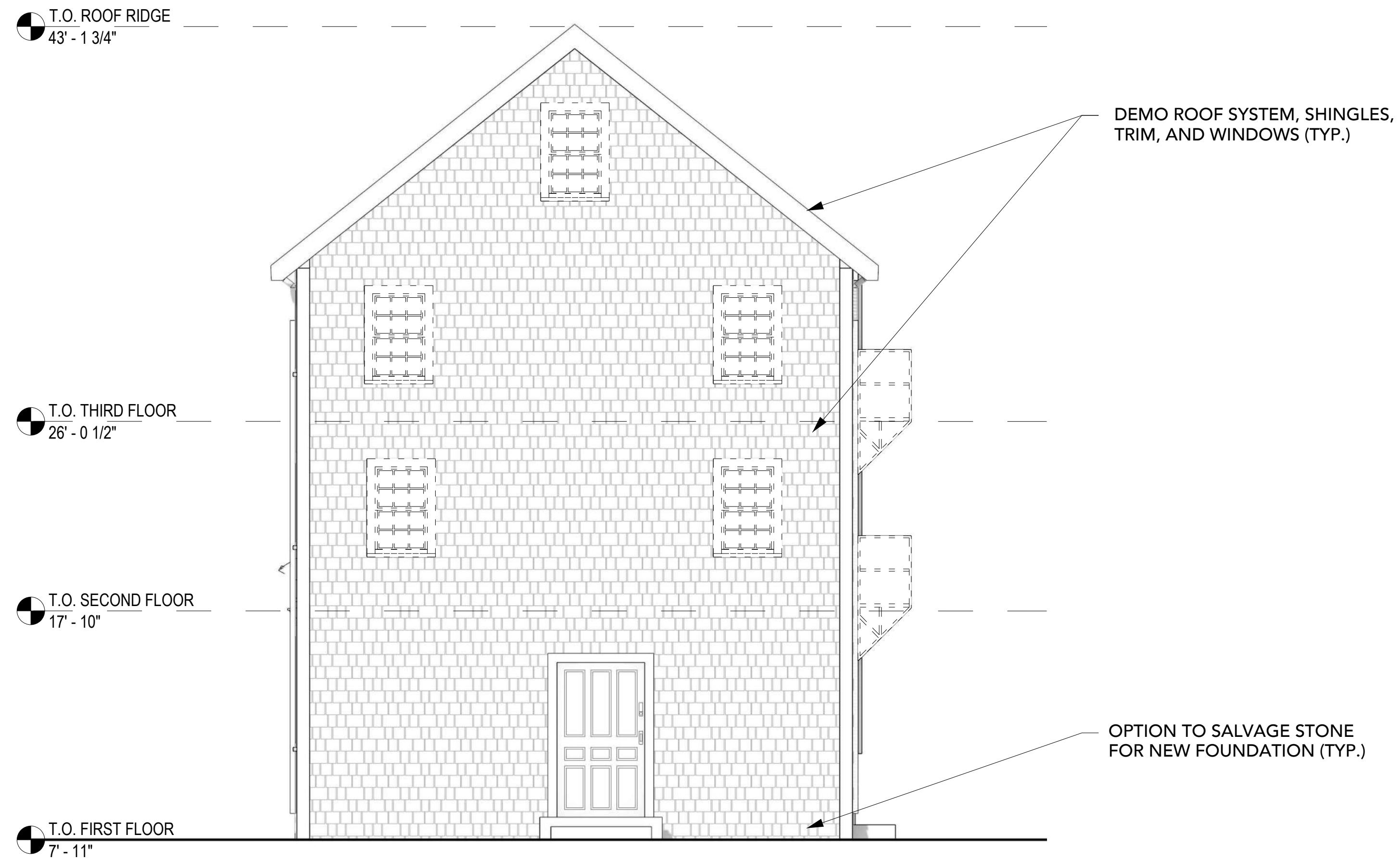
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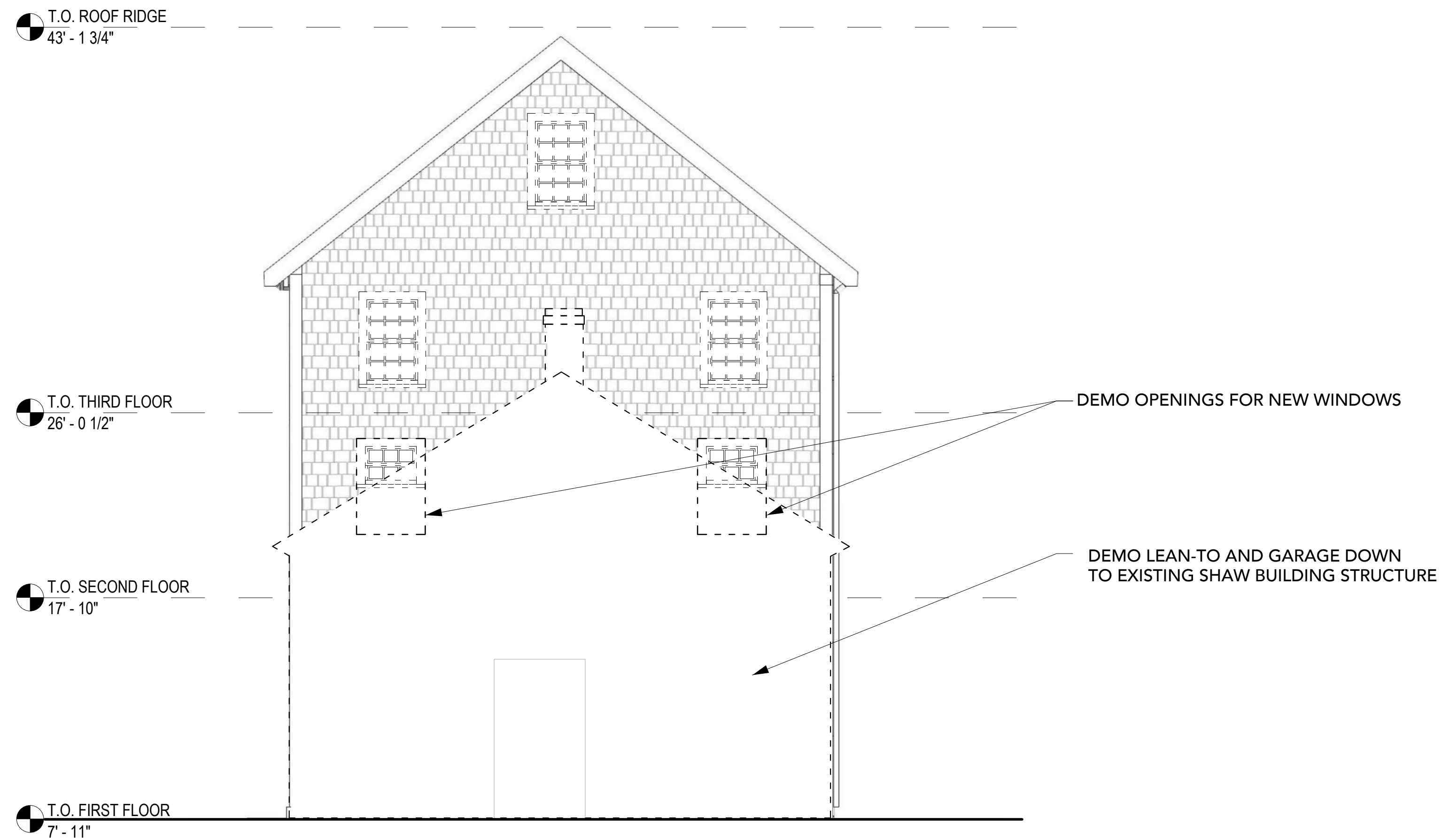
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- DEMOLISH

NOTES

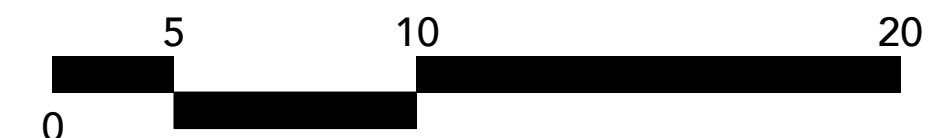
1. SEE DEMOLITION AND PROPOSED ELEVATIONS FOR ADDITIONAL CONFIRMATION
2. SEE SITE PLAN FOR PROPOSED FOOTPRINT LOCATION



2 SHAW BUILDING WEST ELEVATION - DEMO
GRAPHIC SCALE



1 SHAW BUILDING EAST ELEVATION - DEMO
GRAPHIC SCALE



Project:
**PORTSMOUTH,
 NEW HAMPSHIRE**

 PRESCOTT PARK
 PHASE 1 IMPROVEMENTS
 105 MARCY STREET,
 PORTSMOUTH, NH, 03801

Weston & Sampson
 85 Devonshire Street,
 3rd Floor, Boston, MA 02109
 617.412.4480 800.SAMPSON
 www.westonandsampson.com

Consultants:
 Architecture
Touloukian Touloukian Inc.
 Architecture + Urban Design
 67 Battery March Street
 Suite 200 Boston, MA 02110
 617.526.0884
 www.ttarch.com

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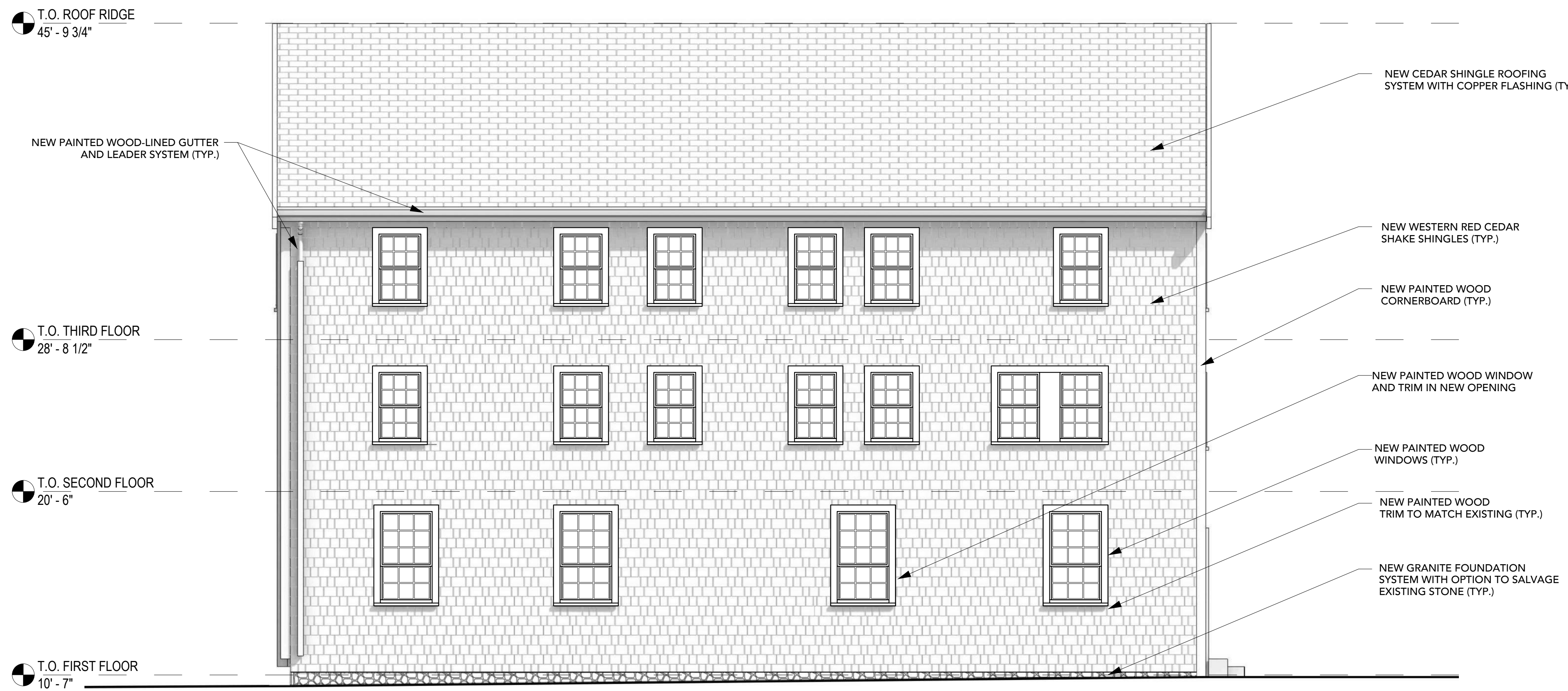
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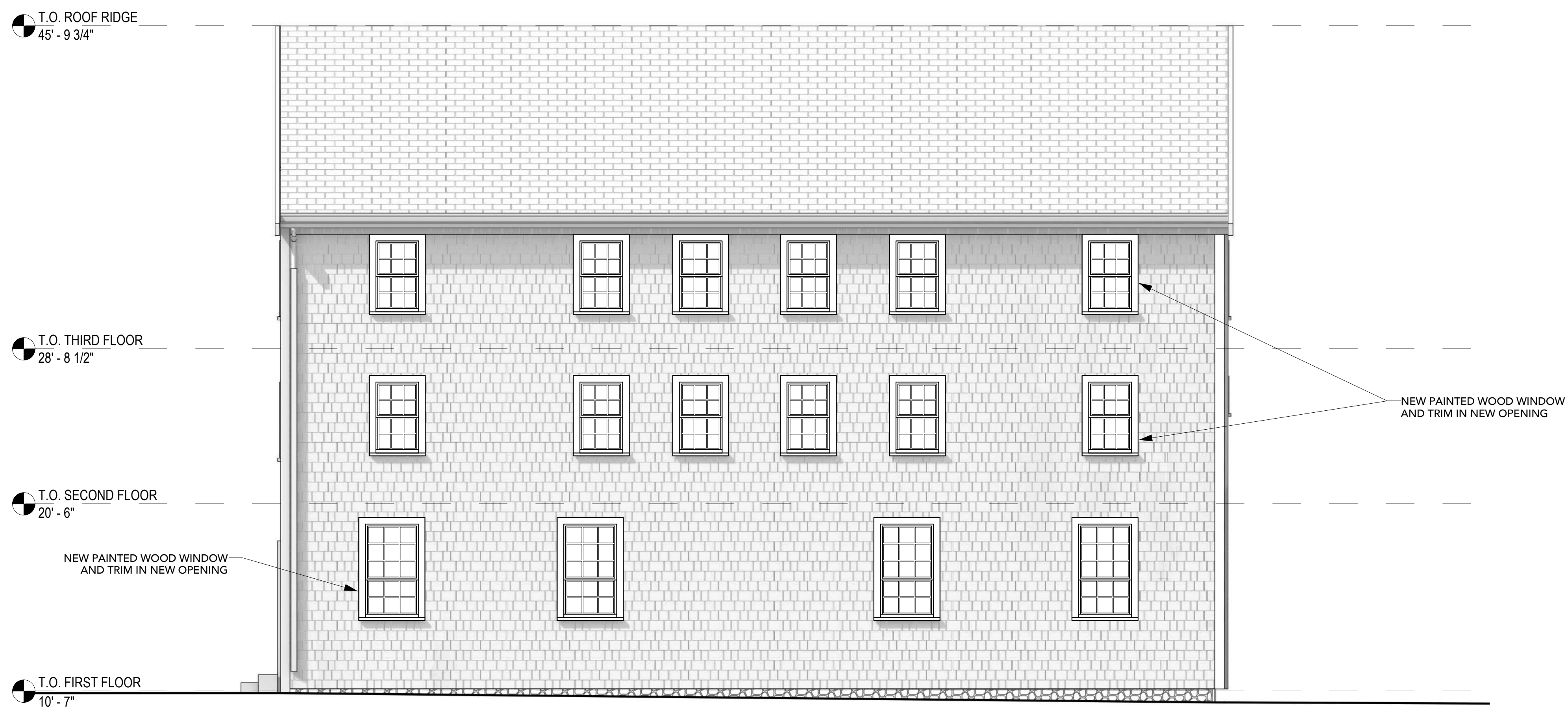
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Scale:
 Date: 16 SEPTEMBER 2022
 Drawn By:
 Reviewed By:
 Approved By:
 W&S Project No: XXX
 W&S File No: XXX

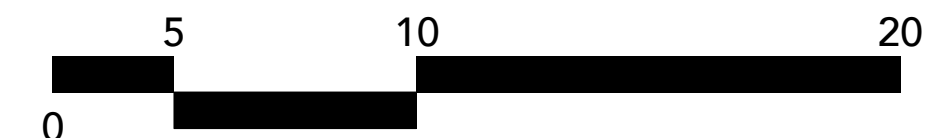
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**EXISTING
 BUILDING
 ELEVATIONS:
 THE SHAW**
 Sheet Number:
AD2.01



2 SHAW BUILDING NORTH ELEVATION - PROPOSED
GRAPHIC SCALE



1 SHAW BUILDING SOUTH ELEVATION - PROPOSED
GRAPHIC SCALE



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Drawn By:
Reviewed By:
Approved By:
W&S Project No: XXX
W&S File No: XXX

Drawing Title:
**PROPOSED
BUILDING
ELEVATIONS:
THE SHAW**
Sheet Number:
A2.00

T.O. ROOF RIDGE
45' - 9 3/4"

T.O. THIRD FLOOR
28' - 8 1/2"

T.O. SECOND FLOOR
20' - 6"

T.O. FIRST FLOOR
10' - 7"

2 SHAW BUILDING WEST ELEVATION - PROPOSED
SCALE: 1/4" = 1' - 0"



SEE A2.00 FOR TYPICAL NOTES

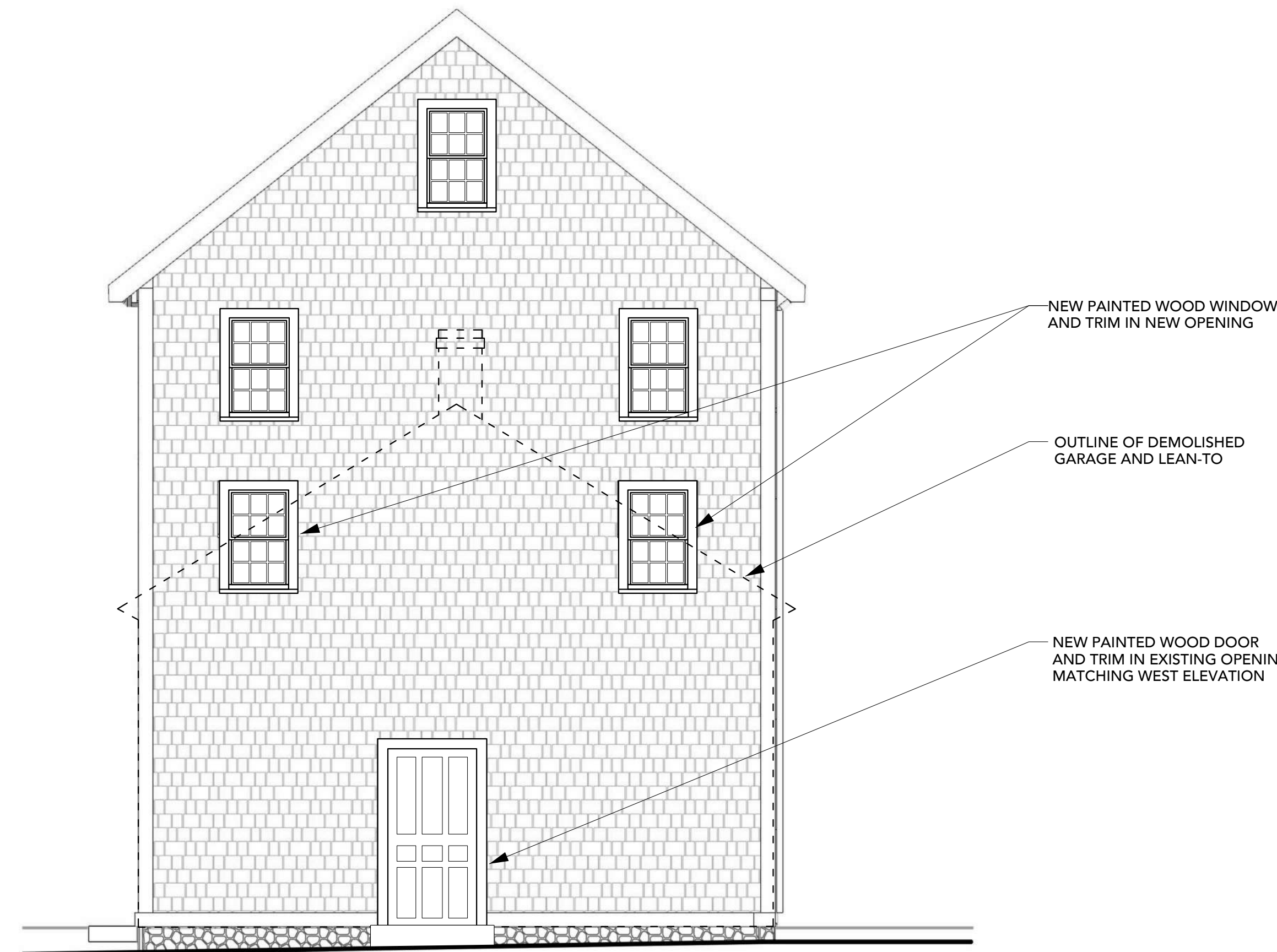
T.O. ROOF RIDGE
45' - 9 3/4"

T.O. THIRD FLOOR
28' - 8 1/2"

T.O. SECOND FLOOR
20' - 6"

T.O. FIRST FLOOR
10' - 7"

1 SHAW BUILDING EAST ELEVATION - PROPOSED
SCALE: 1/4" = 1' - 0"



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NEW HAMPSHIRE



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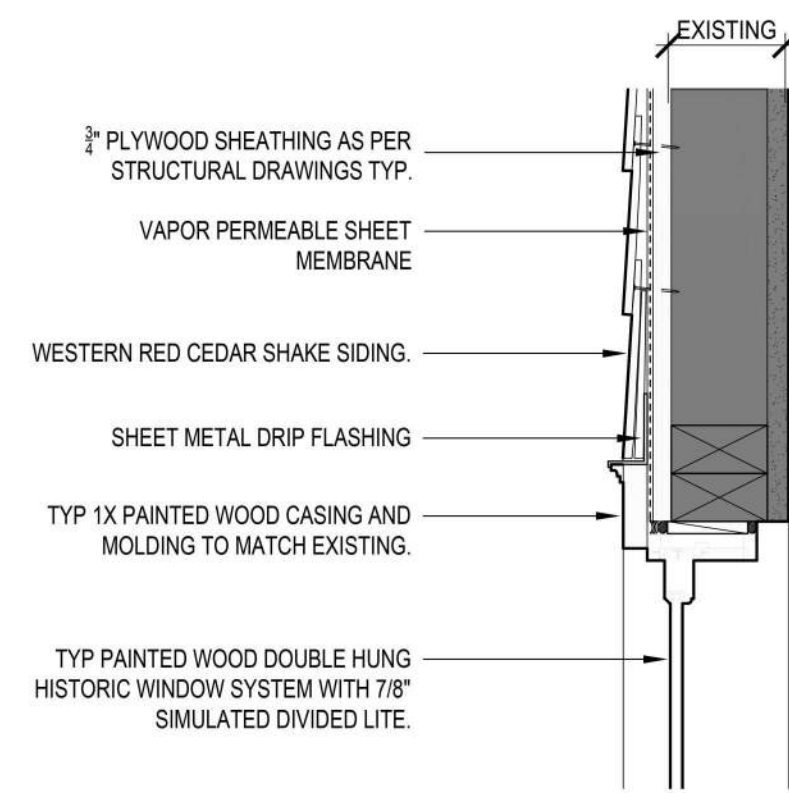
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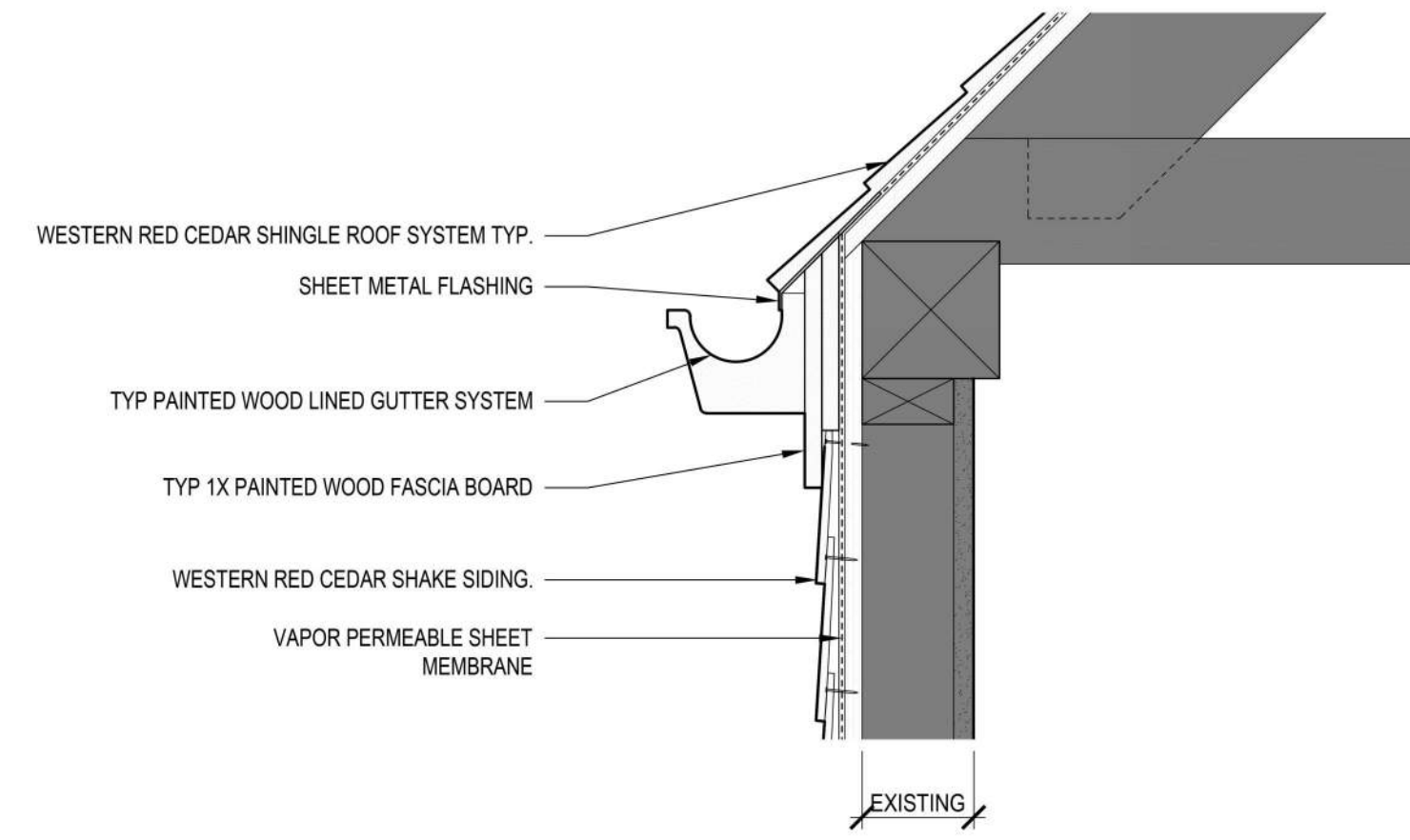
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APPLICATION DOCUMENTS

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Date: 16 SEPTEMBER 2022
Drawn By:
Reviewed By:
Approved By:
W&S Project No: XXX
W&S File No: XXX

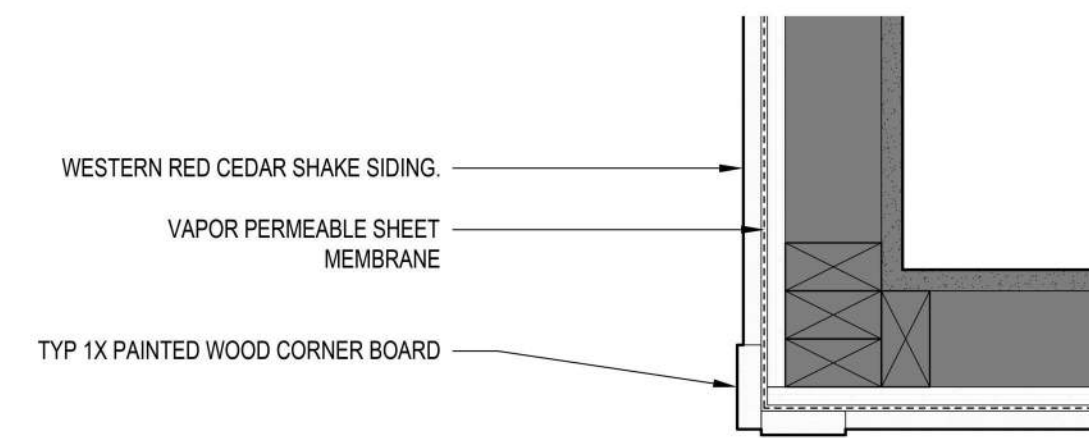
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**PROPOSED
BUILDING
ELEVATIONS:
THE SHAW**
Sheet Number:
A2.01



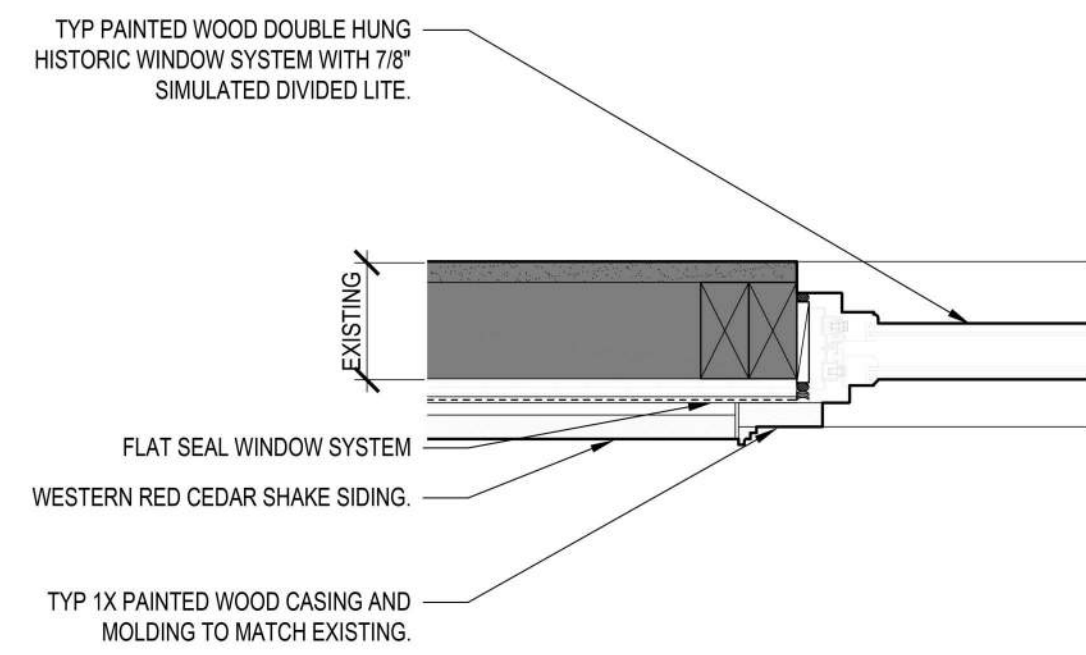
A: TYP WINDOW HEAD DETAIL
Scale 1 1/2" = 1'-0"



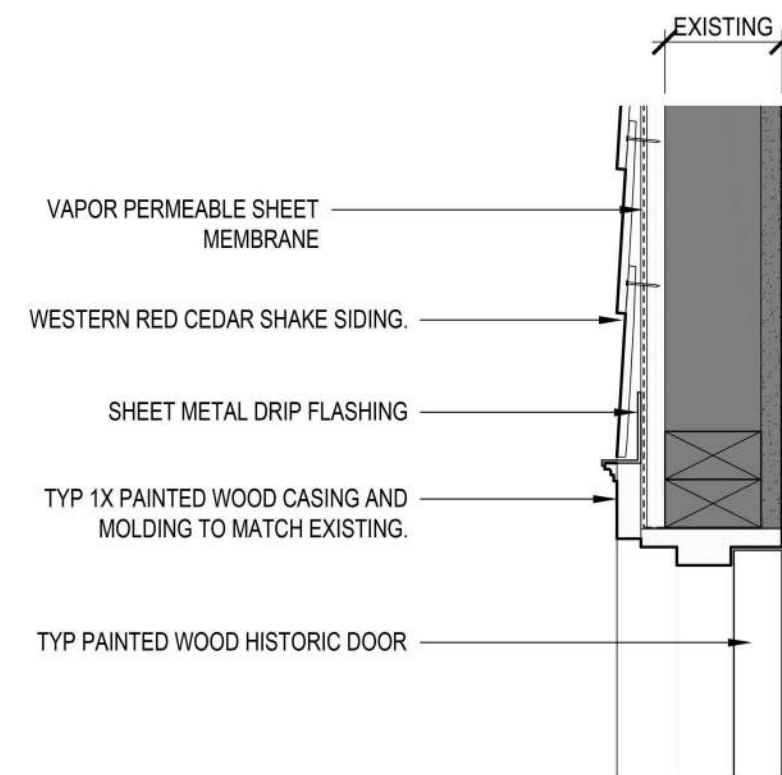
B: TYP EAVE DETAIL
Scale 1 1/2" = 1'-0"



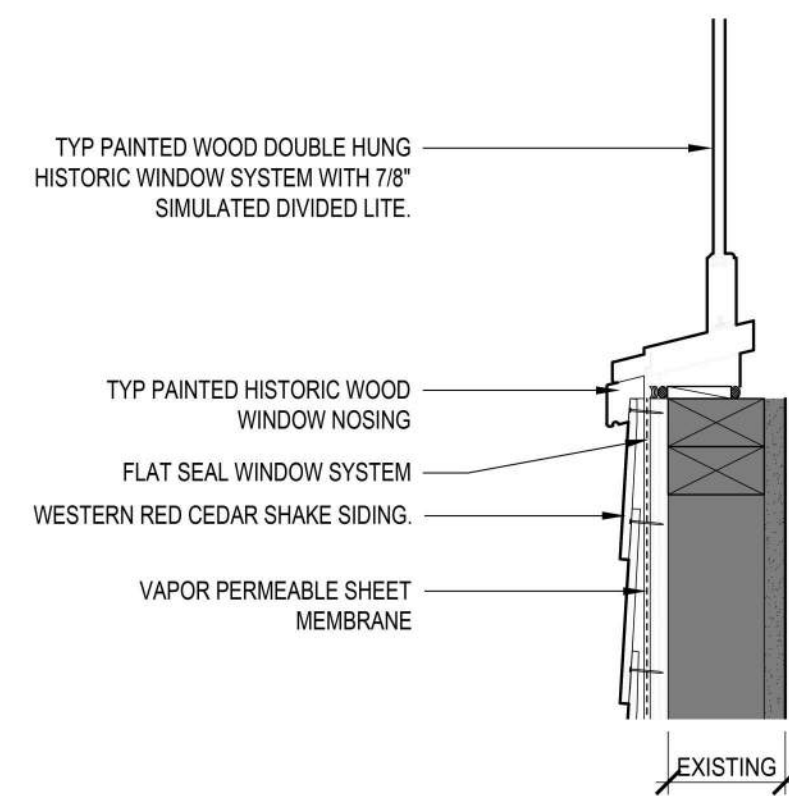
C: TYP CORNER BOARD DETAIL
Scale 1 1/2" = 1'-0"



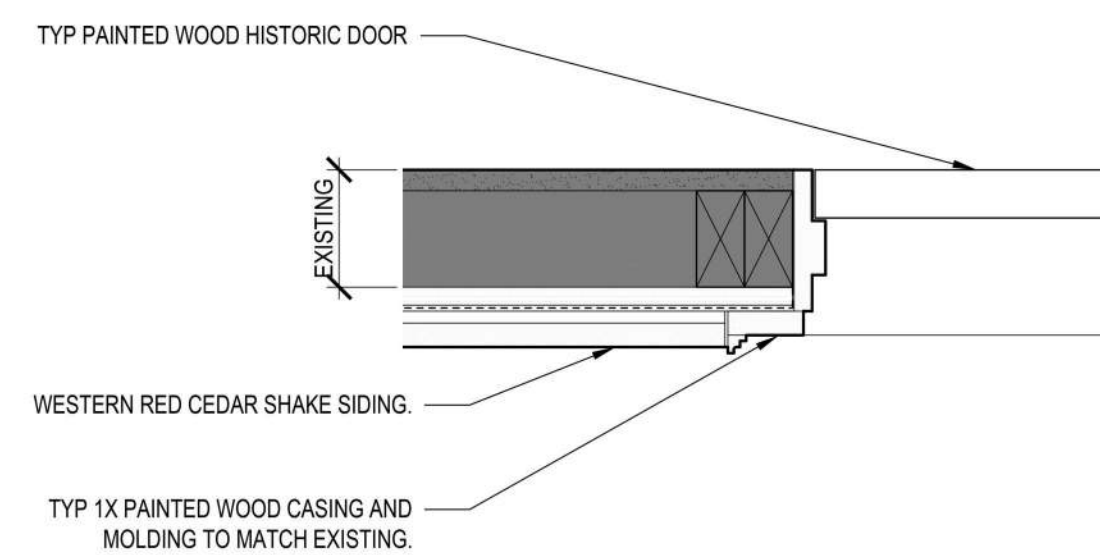
D: TYP WINDOW JAMB DETAIL
Scale 1 1/2" = 1'-0"



E: TYP DOOR HEAD DETAIL
Scale 1 1/2" = 1'-0"



F: TYP WINDOW SILL DETAIL
Scale 1 1/2" = 1'-0"



G: TYP DOOR JAMB DETAIL DETAIL
Scale 1 1/2" = 1'-0"

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Reviewed By:

Approved By:

W&S Project No: XXX

W&S File No: XXX

Drawing Title:
**WINDOW,
DOOR,
AND EAVE
DETAILS**

Sheet Number:

A3.00

Touloukian Touloukian Inc.

Architecture + Urban Design

A 67 Batterymarch Street, Suite 200
Boston, Massachusetts 02110
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Prescott Park Portsmouth, NH

PHASE 1A IMPROVEMENTS

HDC APPLICATION SUPPLEMENTAL PHOTOBOOK

05 October 2022

The Shaw Warehouse, Lean-To and Garage Buildings

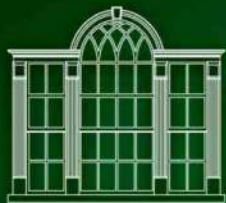


The Shaw Warehouse, Lean-To and Garage Buildings



The Shaw Warehouse





GREEN MOUNTAIN
WINDOW & DOOR™
COMPANY

News

NEW CONSTRUCTION



GREEN MOUNTAIN WINDOW SPECIALIZES IN NEW CONSTRUCTION WINDOW SOLUTIONS FOR BUILDINGS DESIGNED TO MATCH THE NORTHEAST'S UNIQUE ARCHITECTURAL STYLE. OUR WINDOWS ARE DESIGNED TO BLEND THE DETAILS AND PATTERNS ONCE USED BY LOCAL CRAFTSMAN IN NORTHEASTERN SASH MILLS WITH THE LATEST ENERGY PERFORMANCE TECHNOLOGY.

TWO DIFFERENT NEW CONSTRUCTION SYSTEMS:

- MILESTONE SERIES FOR HISTORICAL ACCURACY AND SUPERIOR ENERGY PERFORMANCE
- CLASSIC SERIES FOR BUDGET DRIVEN PROJECTS THAT STILL DEMAND CORRECT WINDOW PROPORTIONS AND GREAT ENERGY EFFICIENCY



We offer two different product lines to fit any budget:



1. Milestone Series Double Hung: This is the most traditional looking double hung window on the market. The sash and frame details are all proportioned to match the historic widows used around the northeast in the 19th and early 20th century. Modern materials such as vinyl and metal are concealed by our exclusive frame design. The sash can tilt in by releasing our hidden release latches. Our hardware options mimic period appropriate design. Options of 5/8", 7/8" or 1 1/4" wide muntins allow you to design to the architectural period of your choice. And our sash is engineered to hide the fact that it holds the most energy efficient glazing available in a narrow glazing pocket; often people don't even realize that it is insulated glass.

2. Milestone Series Casement / Awning: Do you hate the look and operation of modern crank out hardware? Then this window was designed with you in mind. This is a push out system with hardware to hold the sash in any open position. Wide stiles and rails create an old world charm. And a wood framed screen on the interior compliments the traditional design. We offer a concealed friction hinge version and a butt hinge with a sash stay bar version. The window to the right shows the butt hinge / stay bar option on a French Casement (two sash in one frame).



3. Classic Series Double Hung: With this window you won't be sacrificing much to satisfy a more limited budget. The main difference between the Classic and Milestone double hung is the use of exposed vinyl tracks on the sides of the frame to hold the sash in place. These vinyl tracks make the sash a little more difficult to tilt in, are slightly less air tight and are less historic looking than the Milestone system. However, if your windows are painted white the vinyl will blend right in and no one will know that you paid less since all other features and options are the same as the Milestone. Classic window with transom in photo to the left.

4. Classic Series Casement / Awning: This window line has the roto crank hardware, narrow stiles / rails, and aluminum framed interior screen that is commonly found in modern casement and awning windows. However, creative use of our trim packages and muntin options will still make these windows draw attention. To the right is a Classic Series casement with a wood shutter.





Green Mountain Window and Door Co.

Milestone Double Hung v2.2

Product Information

Unit Specifications	1.2
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Egress & Clear Opening Information	1.5
Measurement Conversions	1.6

Elevations & Sections

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Angle Bay Assemblies

Section Details	1.20
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NOTE:

All specifications and data are subject to change without notice.

Allow 1/16" tolerance on all measurements.

Some options and accessories are not covered in this manual. Contact your Green Mountain Representative for further assistance



Green Mountain Window and Door Co.

Unit Specifications

Frame:

- Pine wood interior and exterior standard. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other. Optional species can be specified for specific parts only (sill, sill nose, casing, etc.)
- Frame width: 4 9/16"
- Frame thickness: 5/8"
- Sill: 14 degree bevel, 1" standard sill nose. Optional 2" "historic" sill nose
- Pine exterior parts are dipped in a water repellent preservative.

Sash:

- Pine wood interior and exterior standard. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other.
- Check rail thickness: 1 5/8"
- Stile and top & bottom rail thickness: 1 1/4"
- Operating sash tilt in for easy cleaning. The top sash of reverse cottage windows can not be tilted in.
- Pine exterior parts are dipped in a water repellent preservative.

Interior and exterior finish:

- Bare wood interior white primed exterior standard
- Pre-finished exterior options. See your Green Mountain Window Representative for colors and availability.

Hardware:

- Standard sash lock and keeper: Truth cam lock in Bronze. Option finish: white.
- Upgraded sash lock and keeper: Colonial cam lock in Oil Rubbed Bronze, Nickel, Polished Chrome or Brass. Arts & Crafts pivot lock available in Brass only.
- Sash lift: Truth sash lift in Bronze. Option: finish to match lock choice.
- Balance system: block and tackle balance

Weatherstrip:

- Foam filled bulb on weatherstrip on top rail, bottom rail, and side jambs. Jamb weatherstrip is light beige.
- Leaf weatherstrip on head parting stop.

Jamb extension:

- Applied jamb extension available to match virtually any wall thickness
- Standard thickness: 21/32"

Insect Screens:

- Aluminum framed full screen with charcoal fiberglass mesh screening standard. Optional surround colors: Dark Bronze, Tan or Green. Optional mesh: charcoal aluminum, bright aluminum, or Gore Enlighten high visibility.
- Optional wood screen: full or half screens with charcoal fiberglass mesh screening. Species and finish to match window.
- Optional mesh: charcoal aluminum, bright aluminum, bright bronze, or Gore Enlighten high visibility.

Glass:

- Double strength glass sealed with Gray Duraseal warm edge spacer. Standard overall glass thickness on wood exterior units is 1/2" with wood exterior glazing bead. Optional 11/16" glass thickness with white vinyl exterior glazing bead.
- Glazing method: silicone wet seal interior and exterior
- Glazing types: single glass, insulating glass
- Option for black Duraseal warm edge spacer
- Standard insulating glass options include: (see NFRC ratings for performance comparison)
 - 1/2" regular insulating glass
 - 1/2" Low E with Argon gas fill
 - 1/2" Low E with Krypton gas fill
 - 11/16" regular insulating glass (white vinyl glazing bead on exterior)
 - 11/16" Low E with Argon (white vinyl glazing bead on exterior)
- Other glass options: tempered, laminated, obscure, mouth blown restoration (wavy), tinted, UL rated, any specified

Optional Divided Lites:

- Options include: 5/8" white flat airspace grille, 5/8" white profiled airspace grille, 7/8" removable stick grille (interior only), 7/8" removable full surround grille (interior only), 5/8" true divided lite (single glass only), 5/8" simulated divided lite (SDL) with or without spacer bar, 7/8" SDL with or without a spacer and 1 1/4" SDL with or without a spacer bar. Gray SDL spacer is standard with gray SDL tape. Optional black spacer and tape is used when black glass spacer option is chosen.
- See "section details: divided lites for muntin profiles" for standard cuts. Custom configurations are available

Green Mountain Window and Door Co.

NFRC Values						
Glazing Type and Thickness	U-Factor	CR-Value	SHGC	VT	R-Value	
Single Glass	.86	12	.63	.66	1.16	
Single Glass with TDL	.86	12	.57	.58	1.16	
Single Glass with TDL and Ext. EP	.47	44	.50	.53	2.13	
Single Glass with TDL and Ext. Low E EP	.40	32	.44	.49	2.50	
Single Glass with TDL and Int. EP	.46	45	.50	.53	2.17	
Single Glass with TDL and Int. Low E EP	.37	32	.44	.49	2.70	
Single Glass with TDL and Storm	.43	-	.50	.53	2.33	
Single Glass with TDL and Low E Storm	.32	-	.43	.49	3.13	
Single Glass with TDL and Laminated Storm	.42	-	.43	.52	2.38	
Single Glass with TDL, Ext. EP and Storm	.30	-	.45	.48	3.33	
Single Glass with TDL, Ext. EP and Low E Storm	.25	-	.39	.44	4.00	
Single Glass with TDL, Ext. Low E EP and Storm	.25	-	.40	.44	4.00	
Single Glass with TDL, Ext. Low E EP and Low E Storm	.21	-	.36	.41	4.76	
Single Glass with TDL, Int. EP and Storm	.30	-	.45	.48	3.33	
Single Glass with TDL, Int. EP and Low E Storm	.24	-	.39	.44	4.17	
Single Glass with TDL, Int. Low E EP and Storm	.25	-	.40	.44	4.00	
Single Glass with TDL, Int. Low E EP and Low E Storm	.21	-	.36	.41	4.76	
1/2" Glass Thickness						
1/2" Clear Insulated	.50	42	.56	.60	2.00	
1/2" Clear Insulated with SDL	.50	42	.50	.53	2.00	
1/2" Clear Insulated with SDL and Spacer	.52	40	.50	.53	1.92	
1/2" Low E / Argon	.35	52	.48	.55	2.70	
1/2" Low E / Argon with SDL	.35	52	.43	.49	2.70	
1/2" Low E / Argon with SDL and Spacer	.37	52	.43	.49	2.50	
1/2" Low E / Krypton	.28	57	.43	.49	3.13	
1/2" Low E / Krypton with SDL	.28	57	.43	.49	3.13	
1/2" Low E / Krypton with SDL and Spacer	.30	57	.43	.49	2.94	
1/2" Low E / Argon with Storm	.26	-	.45	.50	3.85	
1/2" Low E / Argon with SDL and Storm	.26	-	.40	.44	3.85	
1/2" Low E / Argon with SDL, Spacer and Storm	.27	-	.40	.44	3.70	
1/2" Low E / Krypton with Storm	.23	-	.44	.50	4.35	
1/2" Low E / Krypton with SDL and Storm	.23	-	.39	.44	4.35	
1/2" Low E / Krypton with SDL, Spacer and Storm	.24	-	.39	.44	4.17	

NFRC Values, cont'd						
Glazing Type and Thickness	U-Factor	CR-Value	SHGC	VT	R-Value	
1/2" Low E / Argon with Low E Storm	.22	-	.41	.46	4.55	
1/2" Low E / Argon with SDL and Low E Storm	.22	-	.36	.41	4.55	
1/2" Low E / Argon with SDL, Spacer and Low E Storm	.23	-	.36	.41	4.35	
1/2" Low E / Krypton with Low E Storm	.19	-	.40	.46	5.26	
1/2" Low E / Krypton with SDL and Low E Storm	.19	-	.36	.41	5.26	
1/2" Low E / Krypton with SDL, Spacer and Low E Storm	.20	-	.36	.41	5.00	
1/2" Low E / Argon with Low E Laminated Storm	.21	-	.36	.45	4.76	
1/2" Low E / Argon with SDL and Low E Laminated Storm	.21	-	.33	.40	4.76	
1/2" Low E / Argon with SDL, Spacer and Low E Laminated Storm	.22	-	.33	.40	4.55	
1/2" Low E / Krypton with Low E Laminated Storm	.19	-	.36	.45	5.26	
1/2" Low E / Krypton with SDL and Low E Laminated Storm	.19	-	.32	.40	5.26	
1/2" Low E / Krypton with SDL, Spacer and Low E Laminated Storm	.20	-	.32	.40	5.00	
11/16" Glass Thickness						
11/16" Insulated Glass	.46	43	.56	.60	2.17	
11/16" Insulated Glass with SDL	.46	43	.50	.53	2.17	
11/16" Insulated Glass with SDL and Spacer	.46	43	.50	.53	2.17	
11/16" Low E Glass with Argon	.32	55	.48	.55	3.13	
11/16" Low E Glass with Argon and SDL	.32	55	.43	.49	3.13	
11/16" Low E Glass with Argon, SDL and Spacer	.33	55	.43	.49	3.03	

= South

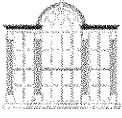
Design Pressure Values are based on a 44" x 60" window (per the industry test standard). Unit #1 is based on our standard interior sill stop. Unit #2 has an optional 3/4" tall sill stop. Many installers apply a 3/4" tall stool cap in the place of our standard sill stop. Overall Design Pressure:

Unit #1 – DP 35

Unit #2 – DP 40

Specific Test Results for ANSI/AAMA/NWDA/I.S.2:

		<u>Results:</u>	<u>Allowed:</u>
Air Infiltration – ASTM E283		.11 scfm/ft ²	.30 scfm/ft ²
Water Resistance – ASTM E547 Unit #1 5.25 psf		Pass	No Leakage
Water Resistance – ASTM E547 Unit #2 6.00 psf		Pass	No Leakage
Uniform Structural Load – ASTM E330 Unit #1 22.5 psf	Pos	.020 in	.164 in
“	Neg	.012 in	.164 in
Uniform Structural Load – ASTM E330 Unit #2 60 psf	Pos	.065 in	.164 in
“	Neg	.0005 in	.164 in
Forced Entry Resistance – ASTM F588 Grade 10		Pass	No Entry
Operating Force – ASTM E2068		17 / 17 lb/f	30 lb/f
Deglazing – ASTM E987		0%	<100%



Green Mountain Window and Door Co.

Egress and Clear Opening Information

Size	Clear Opening Width	Clear Opening Height	Square Foot Opening	Size	Clear Opening Width	Clear Opening Height	Square Foot Opening
16x12	17 7/8	11	1.37	28x26	29 7/8	25	5.19
16x14	17 7/8	13	1.61	28x28**	29 7/8	27 1/2	5.71
16x16	17 7/8	15	1.86	28x30*	29 7/8	29	6.02
16x18	17 7/8	17	2.11	28x32*	29 7/8	31	6.43
16x20	17 7/8	19	2.36	28x34*	29 7/8	33	6.85
16x22	17 7/8	21	2.61	28x36*	29 7/8	35	7.26
16x24	17 7/8	23	2.86	30x12	31 7/8	11	2.43
16x26	17 7/8	25	3.08	30x14	31 7/8	13	2.88
16x28	17 7/8	27	3.35	30x16	31 7/8	15	3.32
16x30	17 7/8	29	3.60	30x18	31 7/8	17	3.76
16x32	17 7/8	31	3.85	30x20	31 7/8	19	4.21
16x34	17 7/8	33	4.10	30x22	31 7/8	21	4.65
16x36	17 7/8	35	4.34	30x24	31 7/8	23	5.09
20x12	21 7/8	11	1.67	30x26	31 7/8	25	5.53
20x14	21 7/8	13	1.98	30x28*	31 7/8	27	5.98
20x16	21 7/8	15	2.28	30x30*	31 7/8	29	6.42
20x18	21 7/8	17	2.58	30x32*	31 7/8	31	6.86
20x20	21 7/8	19	2.89	30x34*	31 7/8	33	7.30
20x22	21 7/8	21	3.19	30x36*	31 7/8	35	7.75
20x24	21 7/8	23	3.49	32x12	33 7/8	11	2.59
20x26	21 7/8	25	3.80	32x14	33 7/8	13	3.06
20x28	21 7/8	27	4.10	32x16	33 7/8	15	3.53
20x30	21 7/8	29	4.41	32x18	33 7/8	17	4.00
20x32	21 7/8	31	4.71	32x20	33 7/8	19	4.47
20x34	21 7/8	33	5.01	32x22	33 7/8	21	4.94
20x36	21 7/8	35	5.32	32x24	33 7/8	23	5.41
24x12	25 7/8	11	1.98	32x26*	33 7/8	25	5.88
24x14	25 7/8	13	2.32	32x28*	33 7/8	27	6.35
24x16	25 7/8	15	2.70	32x30*	33 7/8	29	6.82
24x18	25 7/8	17	3.05	32x34*	33 7/8	33	7.76
24x20	25 7/8	19	3.41	32x36*	33 7/8	35	8.20
24x22	25 7/8	21	3.77	36x12	37 7/8	11	2.89
24x24	25 7/8	23	4.13	36x14	37 7/8	13	3.42
24x26	25 7/8	25	4.49	36x16	37 7/8	15	3.95
24x28	25 7/8	27	4.85	36x18	37 7/8	17	4.47
24x30	25 7/8	29	5.21	36x20	37 7/8	19	5.00
24x32	25 7/8	31	5.57	36x22	37 7/8	21	5.52
24x34*	25 7/8	33	5.93	36x24*	37 7/8	23	6.05
24x36*	25 7/8	35	6.29	36x26*	37 7/8	25	6.58
26x12	27 7/8	11	2.13	36x28*	37 7/8	27	7.10
26x14	27 7/8	13	2.52	36x30*	37 7/8	29	7.63
26x16	27 7/8	15	2.90	36x32*	37 7/8	31	8.15
26x18	27 7/8	17	3.29	36x34*	37 7/8	33	8.68
26x20	27 7/8	19	3.68	36x36*	37 7/8	35	9.21
26x22	27 7/8	21	4.07	40x12	41 7/8	11	3.20
26x24	27 7/8	23	4.45	40x14	41 7/8	13	3.78
26x26	27 7/8	25	4.84	40x16	41 7/8	15	4.36
26x28	27 7/8	27	5.23	40x18	41 7/8	17	4.94
26x30	27 7/8	29	5.61	40x20	41 7/8	19	5.53
26x32*	27 7/8	31	6.00	40x22	41 7/8	21	6.11
26x34*	27 7/8	33	6.39	40x24*	41 7/8	23	6.69
26x36*	27 7/8	35	6.78	40x26*	41 7/8	25	7.27
28x12	29 7/8	11	2.28	40x28*	41 7/8	27	7.85
28x14	29 7/8	13	2.70	40x30*	41 7/8	29	8.43
28x16	29 7/8	15	3.11	40x32*	41 7/8	31	9.01
28x18	29 7/8	17	3.53	40x34*	41 7/8	33	9.60
28x20	29 7/8	19	3.94	40x36*	41 7/8	35	10.18
28x22	29 7/8	21	4.36				
28x24	29 7/8	23	4.77				

*These units meet national egress codes for fire evacuation. Local codes may vary.

** The 28x28 can be ordered to meet 5.7 sp. Ft. by specifying 28x28E.

Note on optional locks: some optional locks or aftermarket locks will keep bottom sash from rising all the way up. This will decrease the amount of clear opening. Please contact you Green Mountain Window Representative for details.



Green Mountain Window and Door Co.

Measurement Conversions

“Size” used for conversion purposes is the unit name.

Example: 32x24 double hung has a “size” of 32 wide and 24 high.

Double Hung:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	“Size” – 1/2”	“Size” – 1/2”
For Sash Opening:	“Size” + 4”	“Size” x 2 + 6”
For Frame Size:	“Size” + 5 5/16”	“Size” x 2 + 8 7/8”
For Rough Opening:	“Size” + 6 5/16”	“Size” x 2 + 9 3/8”

Rough Openings of Mullled Units:

Double Wide Unit:	(Single RO x2) -1”	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2”	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3”	No Conversion Necessary

Picture Windows:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	“Size” – 5/8”	“Size” – 5/8”
For Sash Opening:	“Size” + 4”	“Size” + 5”
For Frame Size:	“Size” + 5 5/16”	“Size” + 7 7/8”
For Rough Opening:	“Size” + 6 5/16”	“Size” + 8 3/8”

Rough Openings of Mullled Units:

Double Wide Unit:	(Single RO x2) -1”	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2”	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3”	No Conversion Necessary

Double Hung Transoms:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	“Size” – 1/2”	“Size” + 1/8”
For Sash Opening:	“Size” + 4”	“Size” + 4 3/8”
For Frame Size:	“Size” + 5 5/16”	“Size” + 7”
For Rough Opening:	“Size” + 6 5/16”	“Size” + 7 1/2”






















































































































Note: If transom is to be directly mullled above a double hung add the frame height of the transom to the rough opening height of the double hung for overall rough opening.

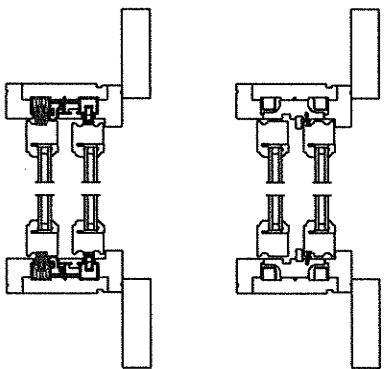
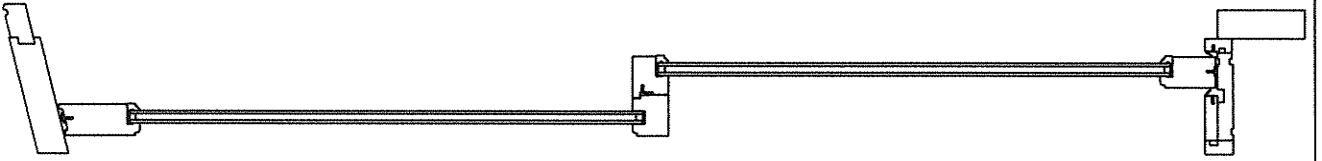
Rough Openings of Mullled Units:

Double Wide Unit:	(Single RO x2) -1”	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2”	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3”	No Conversion Necessary

Glass Size Sash Opening Frame Rough Opening	16" 1' 0-1/4" 1' 10-1/4"	20" 1' 4" 2' 2-1/4"	24" 1' 8" 2' 6-1/4"	26" 1' 9-1/4" 2' 8-1/4"	28" 1' 11-1/4" 2' 10-1/4"	30" 1' 12-1/4" 3' 0-1/4"	32" 1' 14" 3' 2-3/4"	36" 1' 18-1/4" 3' 6-1/4"	40" 1' 22-1/4" 3' 10-1/4"	Glass Size Sash Opening Frame Rough Opening	36" 3' 0-1/4" 3' 6-1/4"	48" 3' 6-1/4" 4' 6-1/4"	56" 3' 11-1/4" 5' 2-1/4"
MDH 1612	MDH 2012	MDH 2412	MDH 2612	MDH 2812	MDH 3012	MDH 3212	MDH 3612	MDH 4012	DHPW 3625	DHPW 4825	DHPW 5625		
MDH 1614	MDH 2014	MDH 2414	MDH 2614	MDH 2814	MDH 3014	MDH 3214	MDH 3614	MDH 4014	DHPW 3629	DHPW 4829	DHPW 5629		
MDH 1616	MDH 2016	MDH 2416	MDH 2616	MDH 2816	MDH 3016	MDH 3216	MDH 3616	MDH 4016	DHPW 3633	DHPW 4833	DHPW 5633		
MDH 1618	MDH 2018	MDH 2418	MDH 2618	MDH 2818	MDH 3018	MDH 3218	MDH 3618	MDH 4018	DHPW 3637	DHPW 4837	DHPW 5637		
MDH 1620	MDH 2020	MDH 2420	MDH 2620	MDH 2820	MDH 3020	MDH 3220	MDH 3620	MDH 4020	DHPW 3641	DHPW 4841	DHPW 5641		
MDH 1622	MDH 2022	MDH 2422	MDH 2622	MDH 2822	MDH 3022	MDH 3222	MDH 3622	MDH 4022	DHPW 3645	DHPW 4845	DHPW 5645		
MDH 1624	MDH 2024	MDH 2424	MDH 2624	MDH 2824	MDH 3024	MDH 3224	MDH 3624E	MDH 4024E	DHPW 3649	DHPW 4849	DHPW 5649		
MDH 1626	MDH 2026	MDH 2426	MDH 2626	MDH 2826	MDH 3026	MDH 3226E	MDH 3626E	MDH 4026E	DHPW 3653	DHPW 4853	DHPW 5653		
MDH 1628	MDH 2028	MDH 2428	MDH 2628	MDH 2828E	MDH 3028E	MDH 3228E	MDH 3628E	MDH 4028E	DHPW 3657	DHPW 4857	DHPW 5657		
MDH 1630	MDH 2030	MDH 2430	MDH 2630	MDH 2830E	MDH 3030E	MDH 3230E	MDH 3630E	MDH 4030E	DHPW 3661	DHPW 4861	DHPW 5661		
MDH 1632	MDH 2032	MDH 2432	MDH 2632E	MDH 2832E	MDH 3032E	MDH 3232E	MDH 3632E	MDH 4032E					
MDH 1634	MDH 2034	MDH 2434E	MDH 2634E	MDH 2834E	MDH 3034E	MDH 3234E	MDH 3634E	MDH 4034E					
MDH 1636	MDH 2036	MDH 2436E	MDH 2636E	MDH 2836E	MDH 3036E	MDH 3236E	MDH 3636E	MDH 4036E					

Rough Openings of Muller Units
 Double Wide: (Single RO x 2) -1"
 Triple Wide: (Single RO x 3) -2"
 Four Wide: (Single RO x 4) -3"

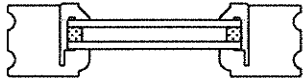
Glass Size Sash Opening Frame Rough Opening	16" 20" 1'-9-1/4"	20" 24" 2'-1-1/4"	24" 28" 2'-5-1/4"	26" 30" 2'-7-1/4"	28" 32" 2'-9-1/4"	30" 34" 2'-11-1/4"	32" 36" 3'-2-1/4"	36" 40" 3'-5-1/4"	40" 44" 3'-9-1/4"
12" 36" 2'-2-3/8"	 MDH 1612	 MDH 2012	 MDH 2412	 MDH 2612	 MDH 2812	 MDH 3012	 MDH 3212	 MDH 3612	 MDH 4012
14" 34" 3'-1-3/8"	 MDH 1614	 MDH 2014	 MDH 2414	 MDH 2614	 MDH 2814	 MDH 3014	 MDH 3214	 MDH 3614	 MDH 4014
16" 38" 3'-5-3/8"	 MDH 1616	 MDH 2016	 MDH 2416	 MDH 2616	 MDH 2816	 MDH 3016	 MDH 3216	 MDH 3616	 MDH 4016
18" 42" 3'-9-3/8"	 MDH 1618	 MDH 2018	 MDH 2418	 MDH 2618	 MDH 2818	 MDH 3018	 MDH 3218	 MDH 3618	 MDH 4018
20" 46" 4'-1-3/8"	 MDH 1620	 MDH 2020	 MDH 2420	 MDH 2620	 MDH 2820	 MDH 3020	 MDH 3220	 MDH 3620	 MDH 4020
22" 50" 4'-5-3/8"	 MDH 1622	 MDH 2022	 MDH 2422	 MDH 2622	 MDH 2822	 MDH 3022	 MDH 3222	 MDH 3622	 MDH 4022
24" 54" 4'-9-3/8"	 MDH 1624	 MDH 2024	 MDH 2424	 MDH 2624	 MDH 2824	 MDH 3024	 MDH 3224	 MDH 3624E	 MDH 4024E
26" 58" 5'-1-3/8"	 MDH 1626	 MDH 2026	 MDH 2426	 MDH 2626	 MDH 2826	 MDH 3026	 MDH 3226E	 MDH 3626E	 MDH 4026E
28" 62" 5'-5-3/8"	 MDH 1628	 MDH 2028	 MDH 2428	 MDH 2628	 MDH 2828E	 MDH 3028E	 MDH 3228E	 MDH 3628E	 MDH 4028E
30" 66" 5'-9-3/8"	 MDH 1630	 MDH 2030	 MDH 2430	 MDH 2630	 MDH 2830E	 MDH 3030E	 MDH 3230E	 MDH 3630E	 MDH 4030E
32" 70" 6'-1-3/8"	 MDH 1632	 MDH 2032	 MDH 2432	 MDH 2632E	 MDH 2832E	 MDH 3032E	 MDH 3232E	 MDH 3632E	 MSH 4032E
34" 74" 6'-5-3/8"	 MDH 1634	 MDH 2034	 MDH 2434E	 MDH 2634E	 MDH 2834E	 MDH 3034E	 MDH 3234E	 MDH 3634E	 MSH 4034E
36" 78" 6'-9-3/8"	 MDH 1636	 MDH 2036	 MDH 2436E	 MDH 2636E	 MDH 2836E	 MDH 3036E	 MDH 3236E	 MDH 3636E	 MSH 4036E



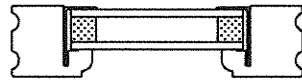
MDH Cross Sections

Green Mountain Window and Door Co.

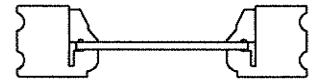
92 Park Street, Rutland, Vermont 05701



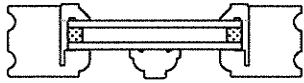
I.G., No Lites
Wood Bead



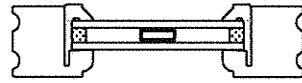
I.G., No Lites
Vinyl Bead



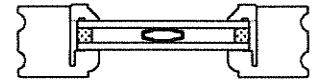
No Lites
Single Glass



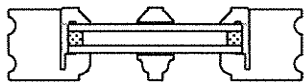
7/8" Grille



Flat Airspace



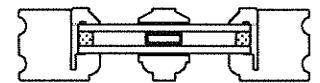
Profile Airspace



5/8" SDL



7/8" SDL



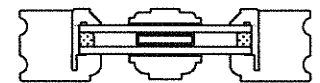
7/8" SDL
with Spacer Bar



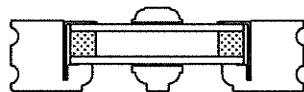
5/8" SDL
with Spacer Bar



1 1/4" SDL



1 1/4" SDL
with Spacer Bar



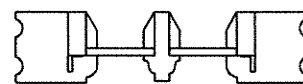
I.G., 7/8" SDL
Vinyl Bead



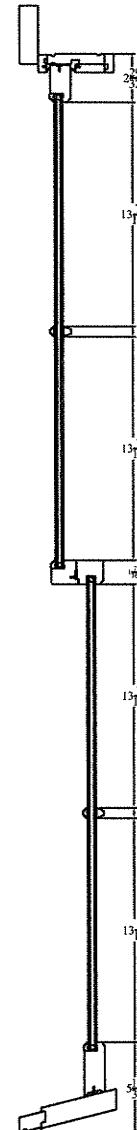
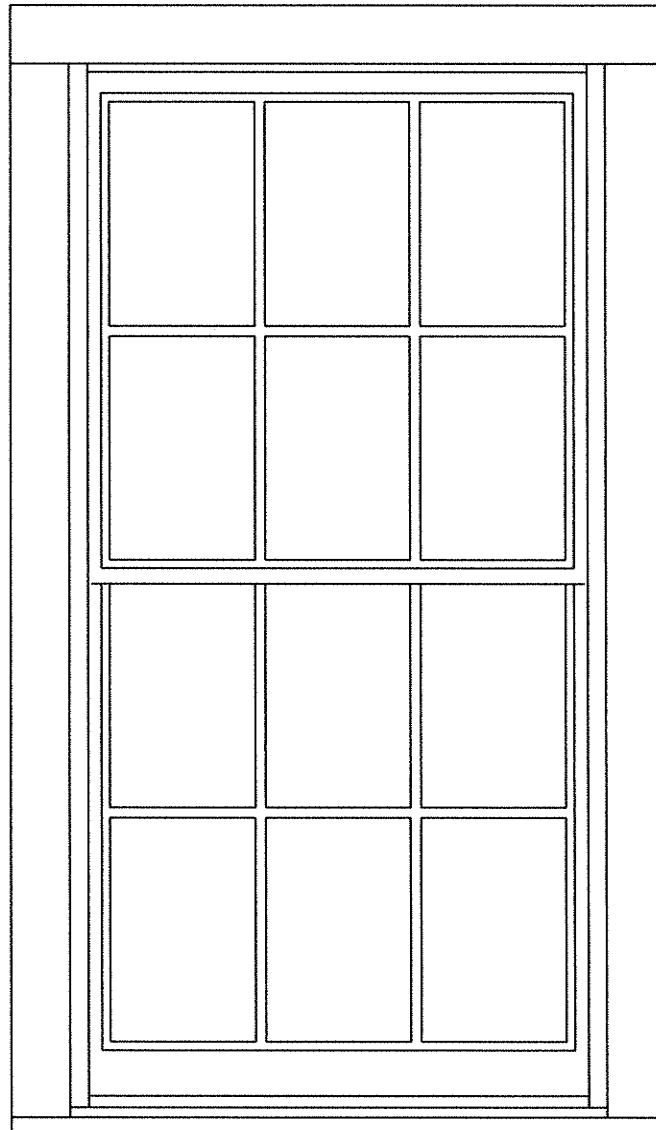
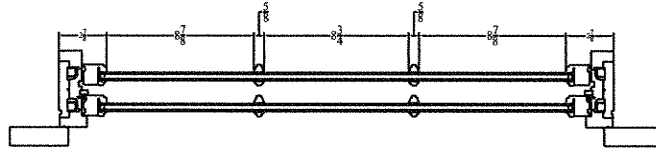
I.G., 7/8" SDL
with Spacer Bar
Vinyl Bead



5/8" TDL
Single Glass
Putty Glaze



5/8" TDL
Single Glass
Wood Bead



MDH 2828

Note: the example above only applies to a 28 x 28 with 7/8" muntins in a 6/6 pattern.
 For all other sizes and configurations: determine the overall daylight opening of each sash (without lites) with the formulas on 1.5. Then multiply the number of bars by the bar width and deduct that number from that overall daylight. Divide this number by the number of lites for daylight of each lite.

$$\frac{\text{Overall DLO} - (\text{sum of all bar widths})}{\text{Number of Lites}}$$

1.15

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Architecture + Urban Design

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Boston, Massachusetts 02110
T +1 617 526 0884

Prescott Park Portsmouth, NH

PHASE 1A IMPROVEMENTS

ARCHITECTURAL PROGRAMMING

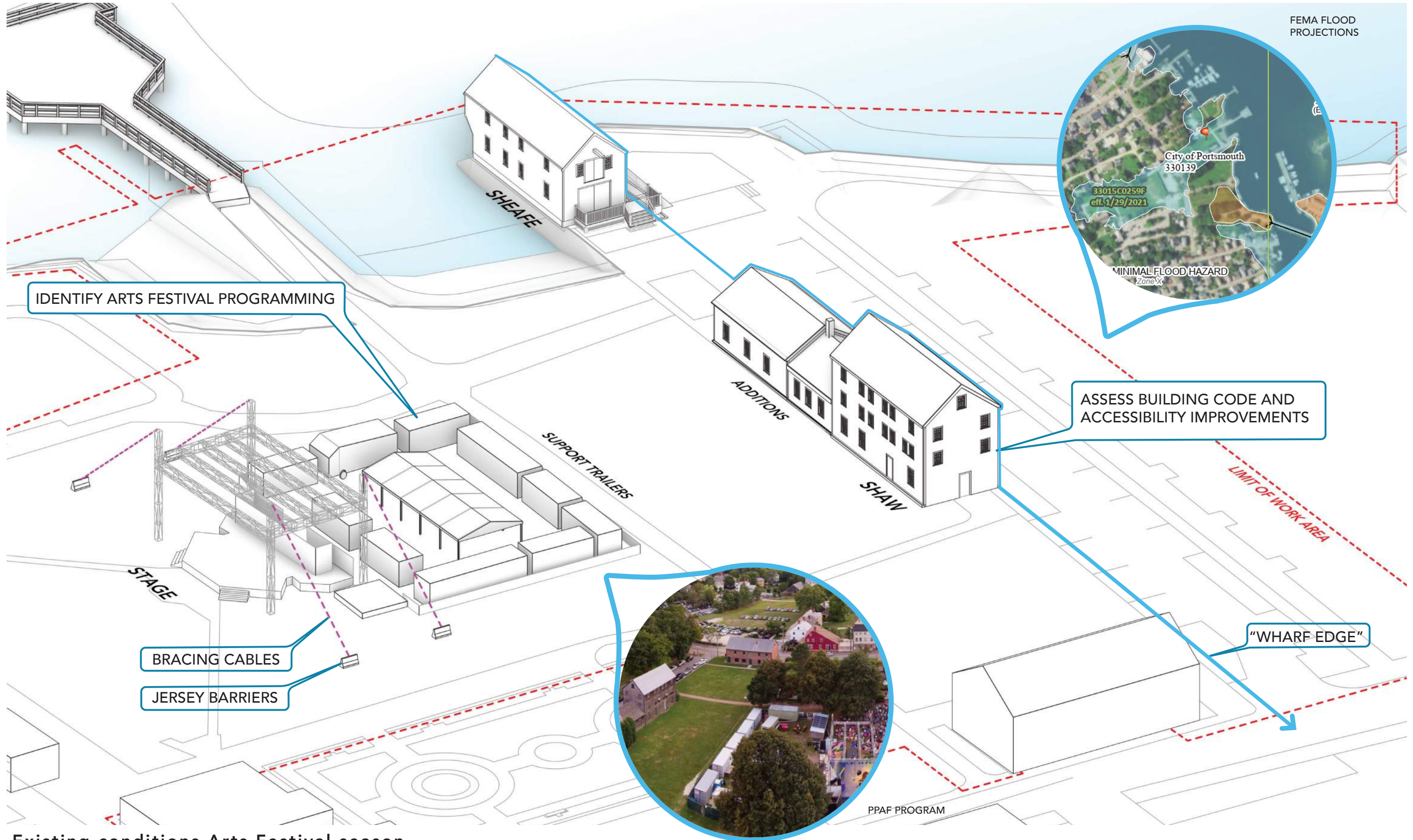
HDC WORKSESSION PRESENTATION

05 October 2022

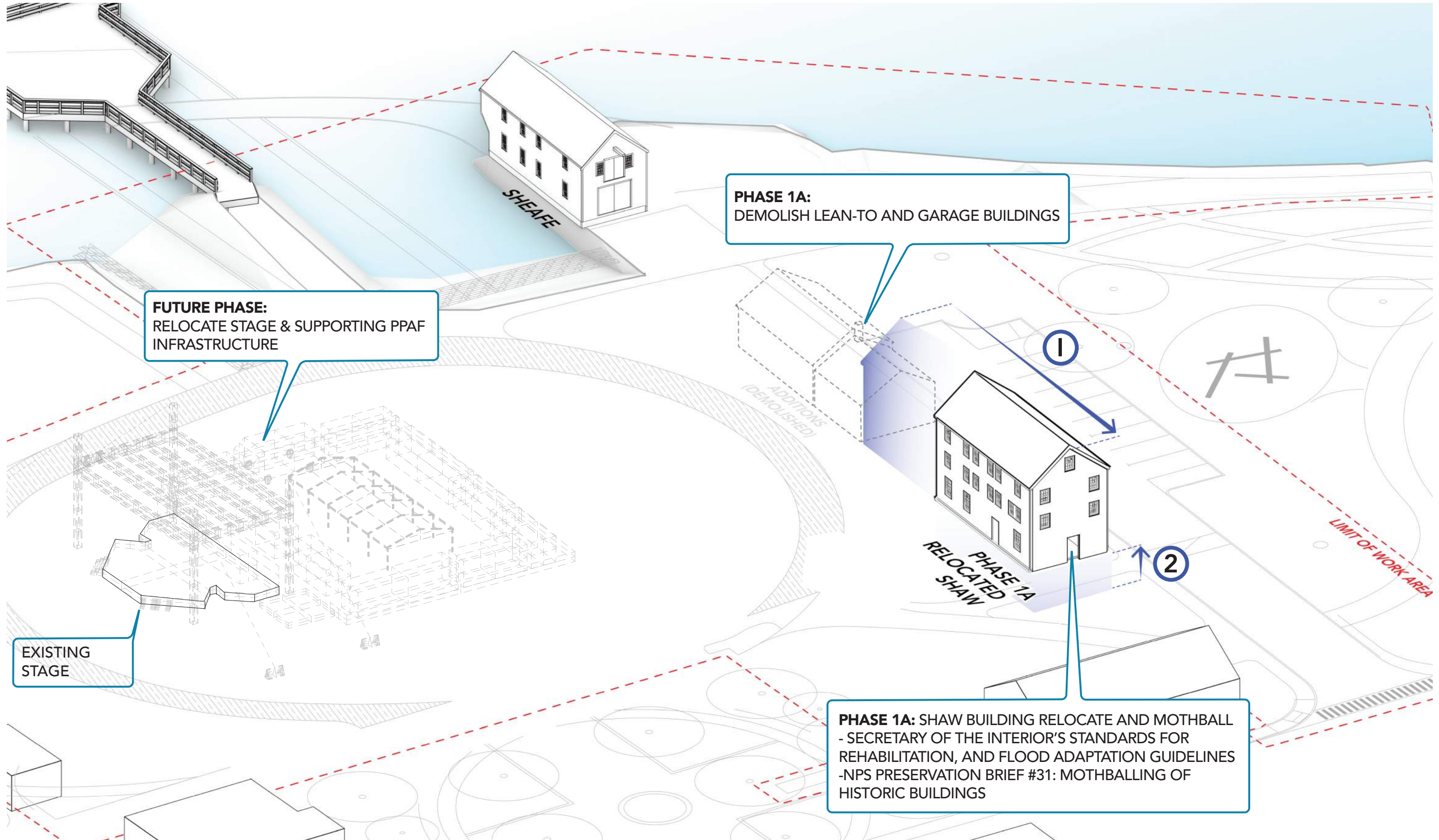
Shaw Building Phase 1A Goals

1. Demolish Lean-to and Garage
2. Relocate Shaw Building Based on Current Flood Zone Projections and Resiliency Projections & to Allow for a Future Addition and Stage
3. Full Exterior Renovation Due to Needed Structural Reinforcement Prior to Shaw Building Relocation

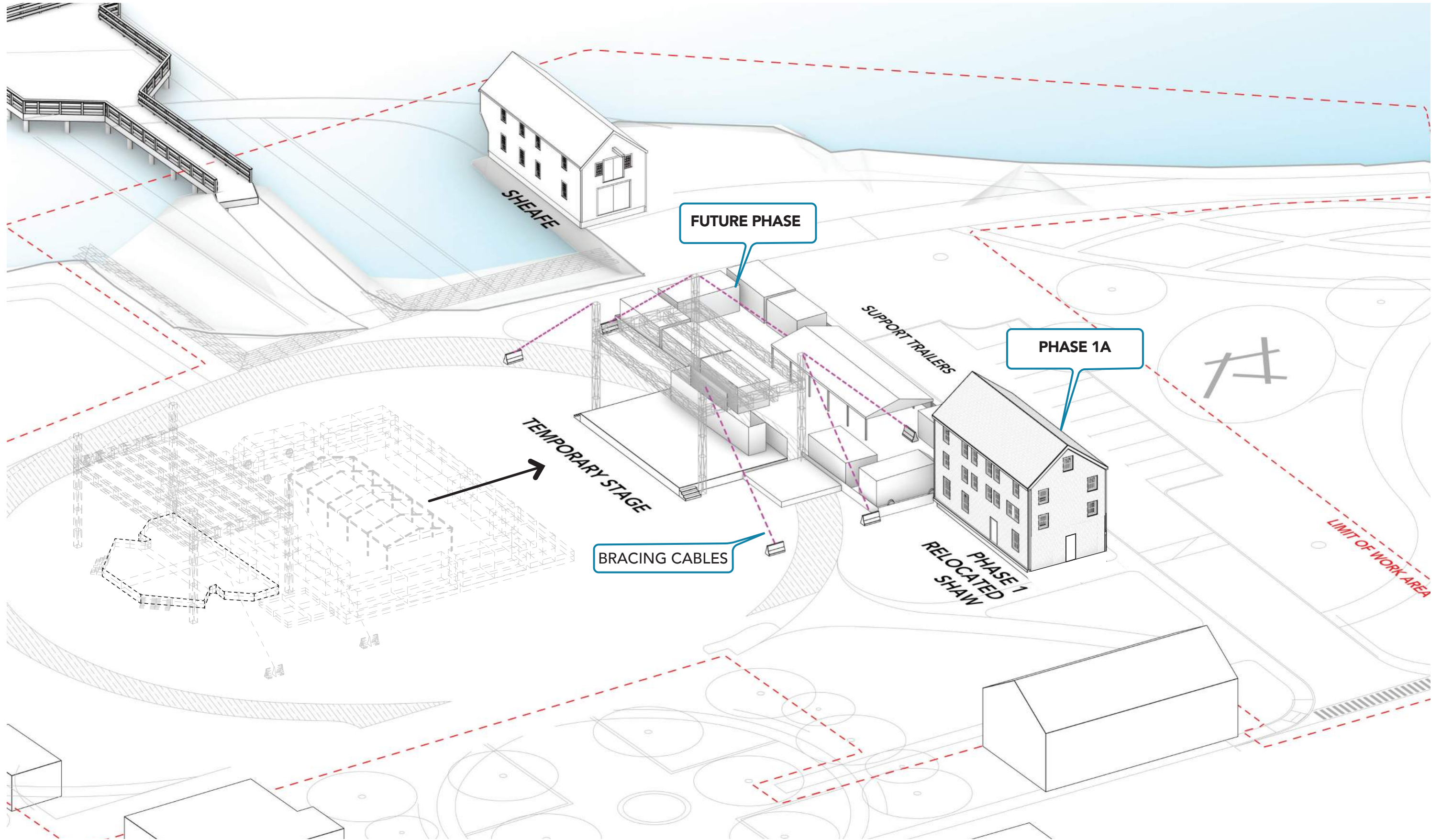




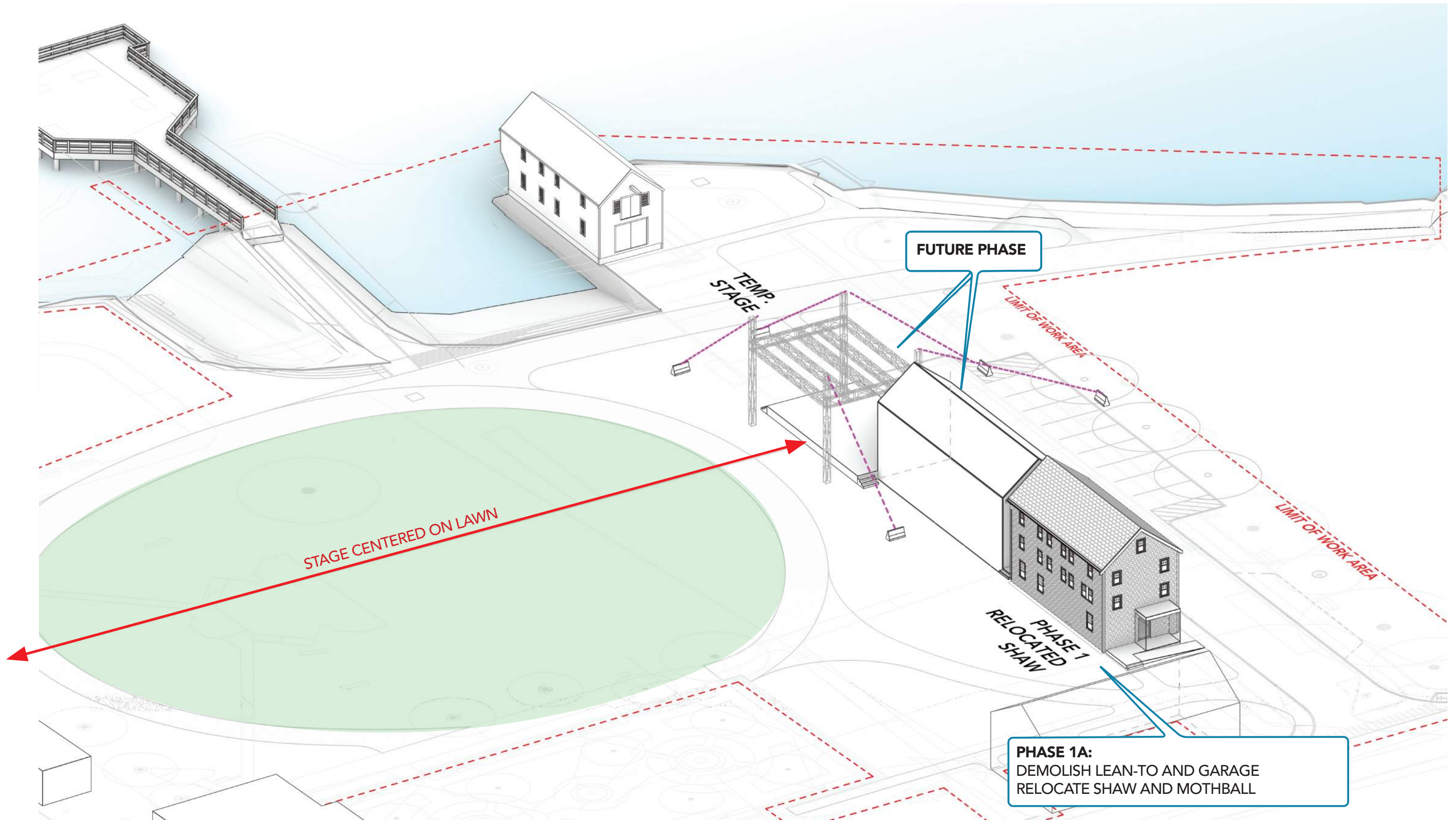
Existing conditions Arts Festival season



Phase 1 - Demo Garage and Lean-to. Relocate and raise Shaw Building



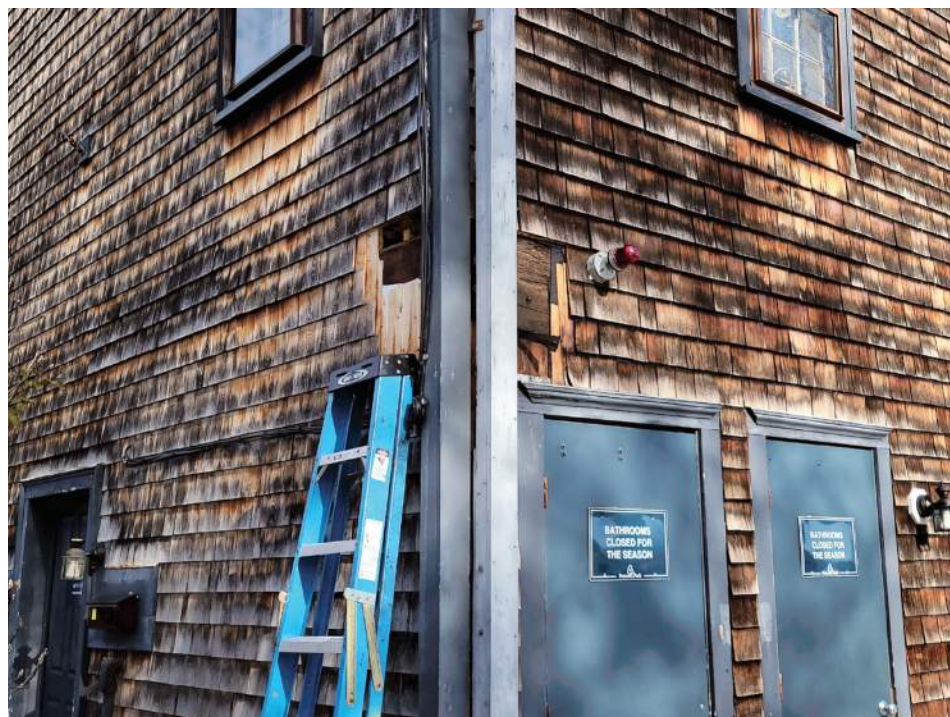
Phase 1: During Arts Festival



Overall Vision







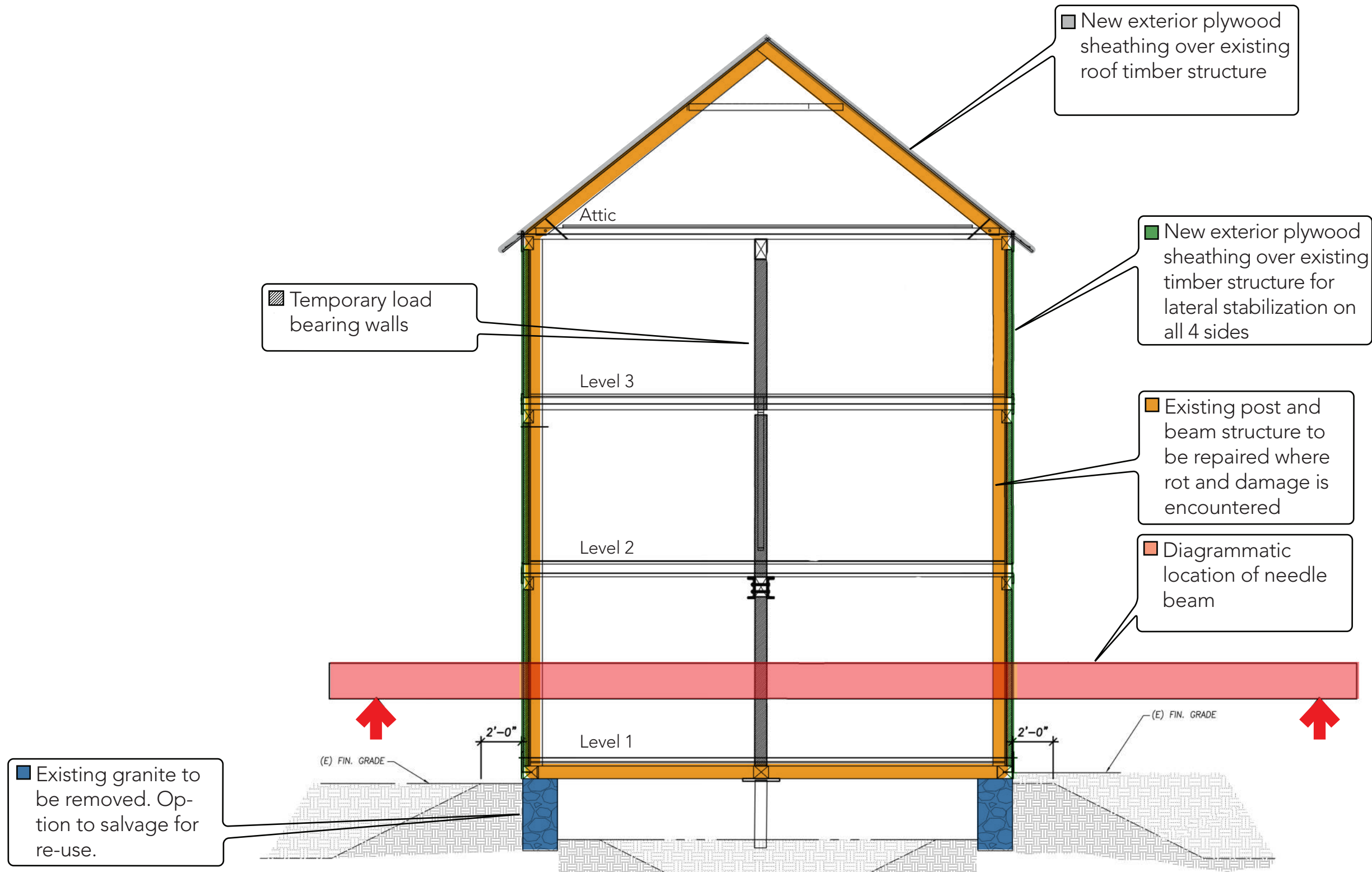
Exploratory openings visit and documentation conducted on 11/17/21 and 3/18/22

Preliminary structural repairs needed prior to building relocation



Shaw South Elevation

Preliminary structural repairs needed prior to building relocation



Shaw building section looking West

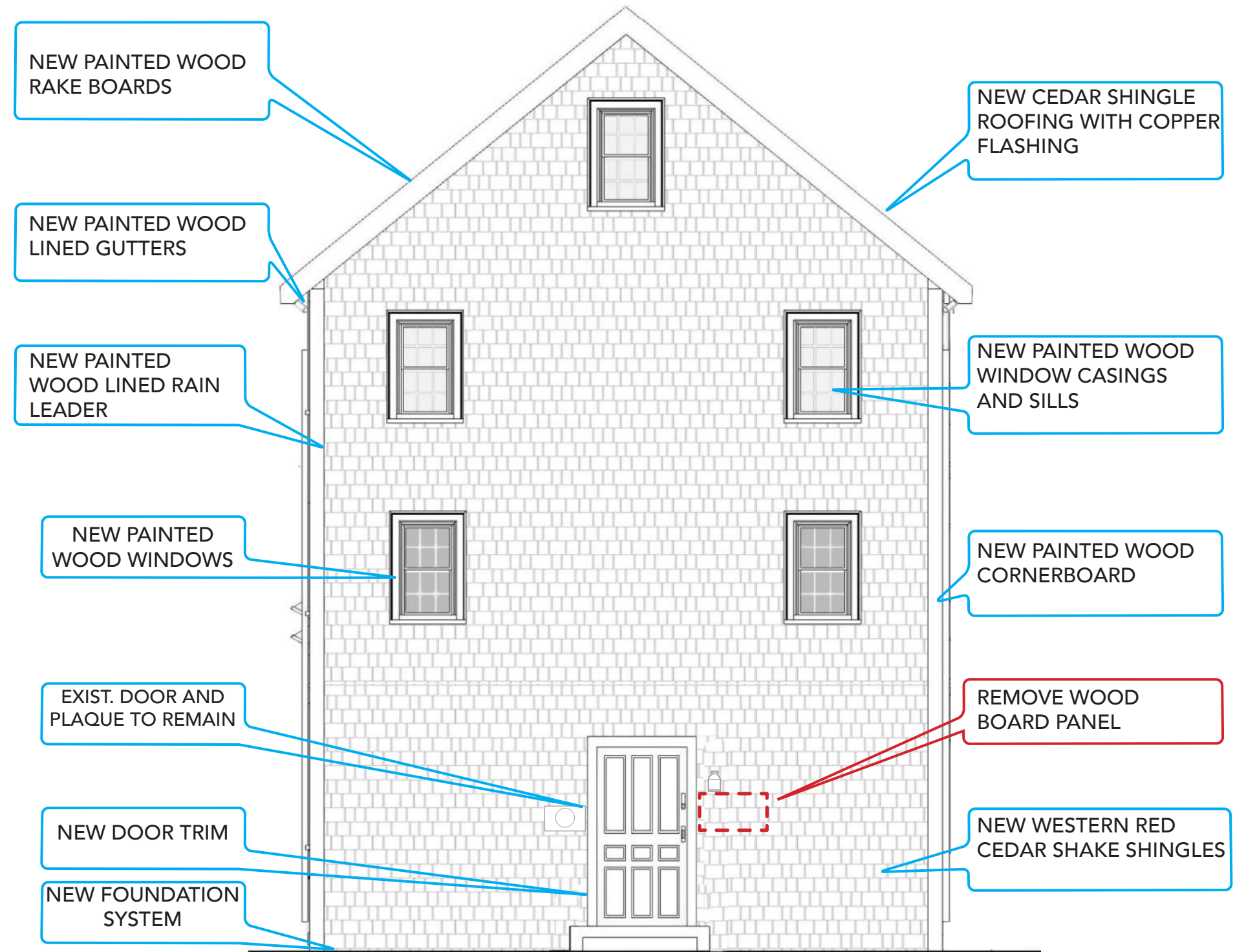
Shaw Building Renovation Goals

1. Exterior Renovation as per Design Guidelines and Standards
2. Interior Renovation as per Mothball Standards until future phases of work are commenced

Design Guidelines and Standards referenced

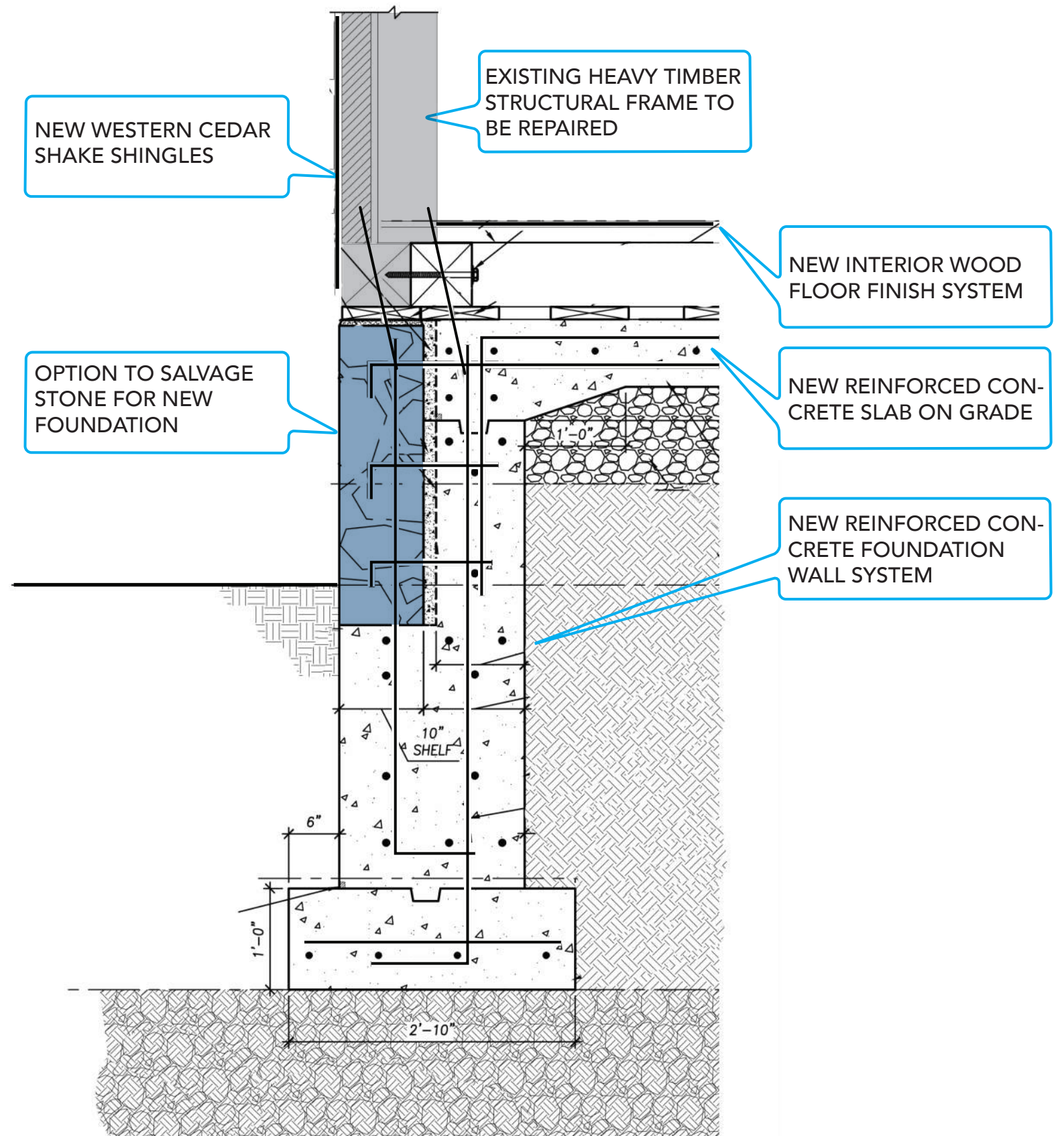
- City of Portsmouth Historic District Commission Design Review Guidelines
- US Department of the Interior Guidelines on Flood Adaption for Rehabilitating Historic Buildings
- US Department of the Interior Preservation Brief #31 Mothballing of Historic Buildings
- US Department of the Interior Standards for the Treatment of Historic Properties

Existing Elevation Overlays With Proposed Changes

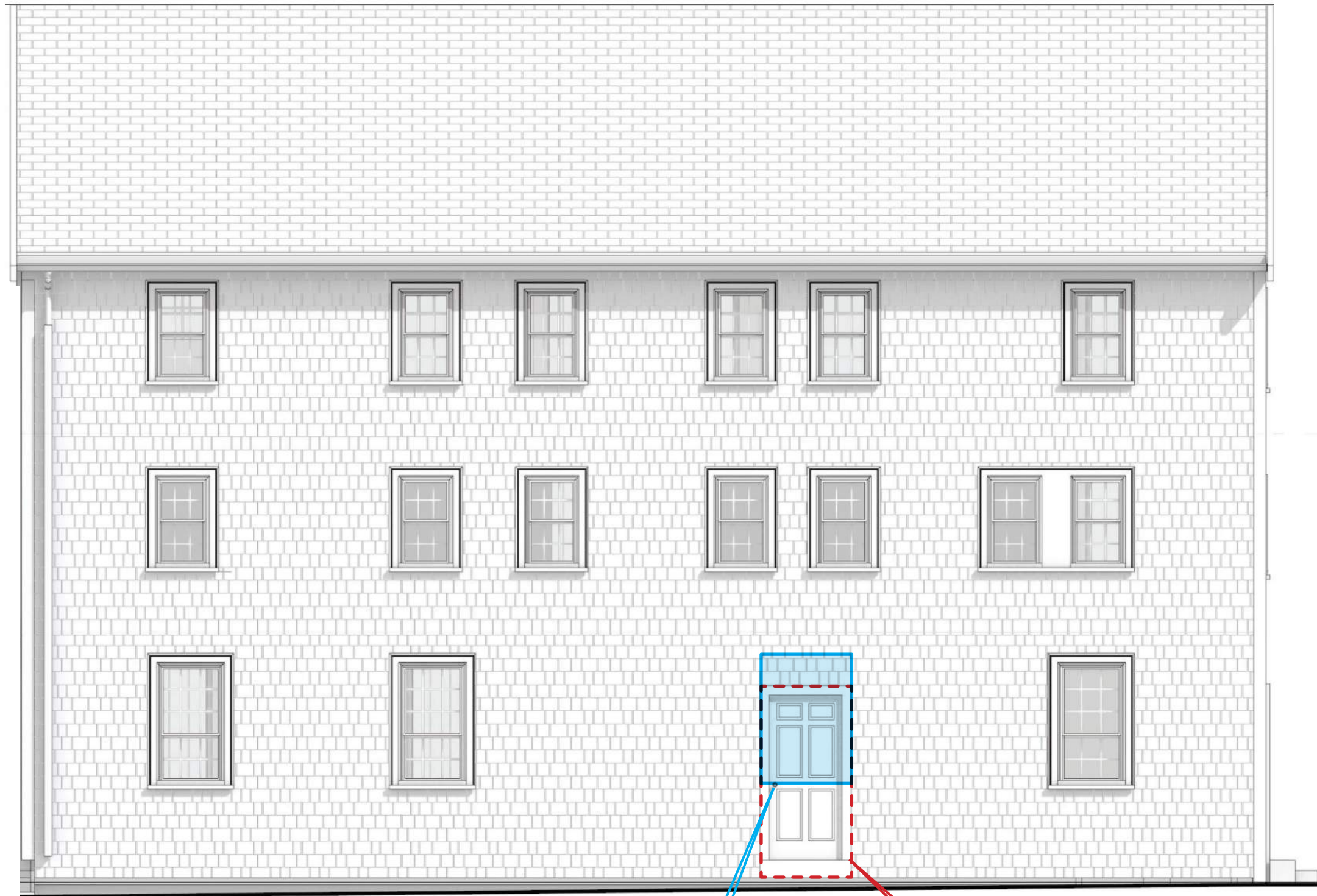


West Elevation - Entrance to building

Proposed Foundation Wall Design



Existing Elevation Overlays With Proposed Changes



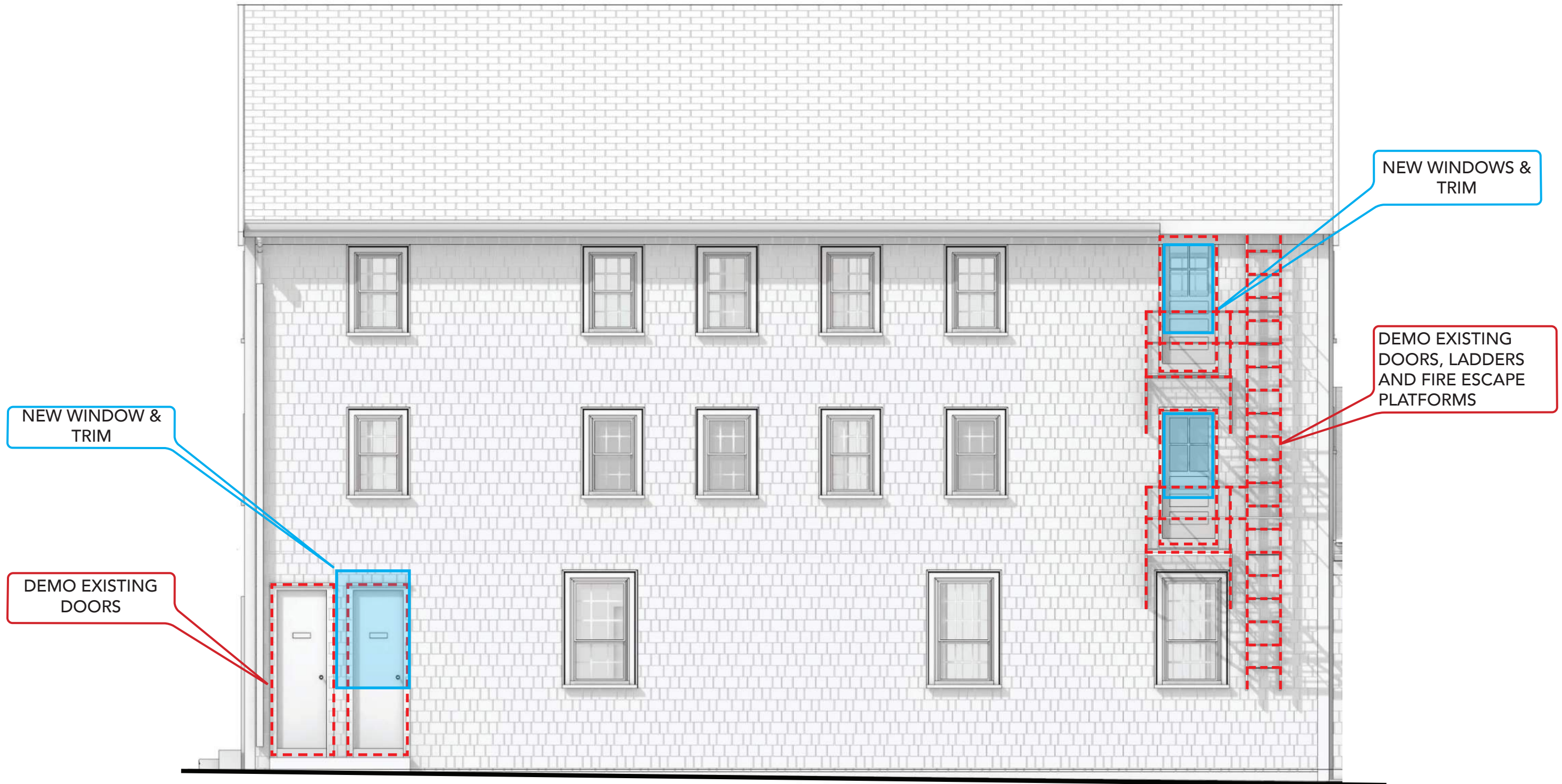
NEW WINDOW &
TRIM

DEMO EXISTING DOOR

REMNANTS OF FLASHING VISIBLE
FROM PREVIOUS ERA



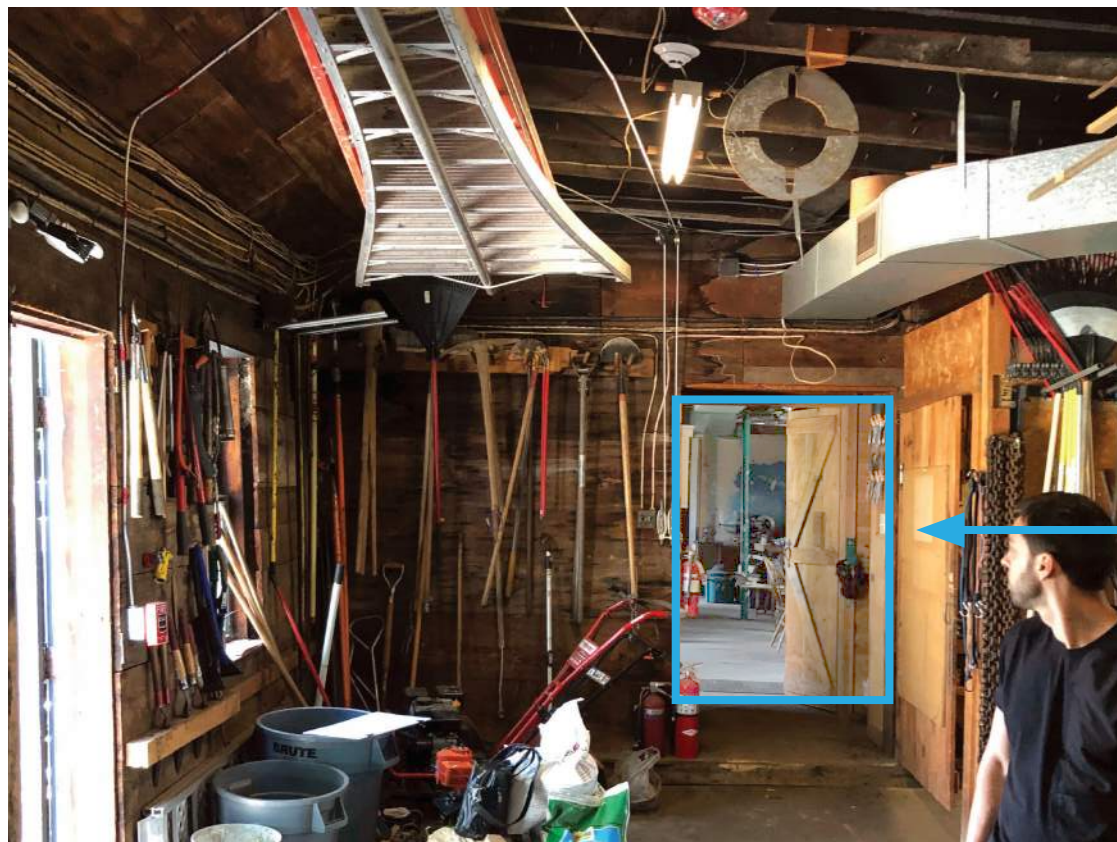
Existing Elevation Overlays With Proposed Changes



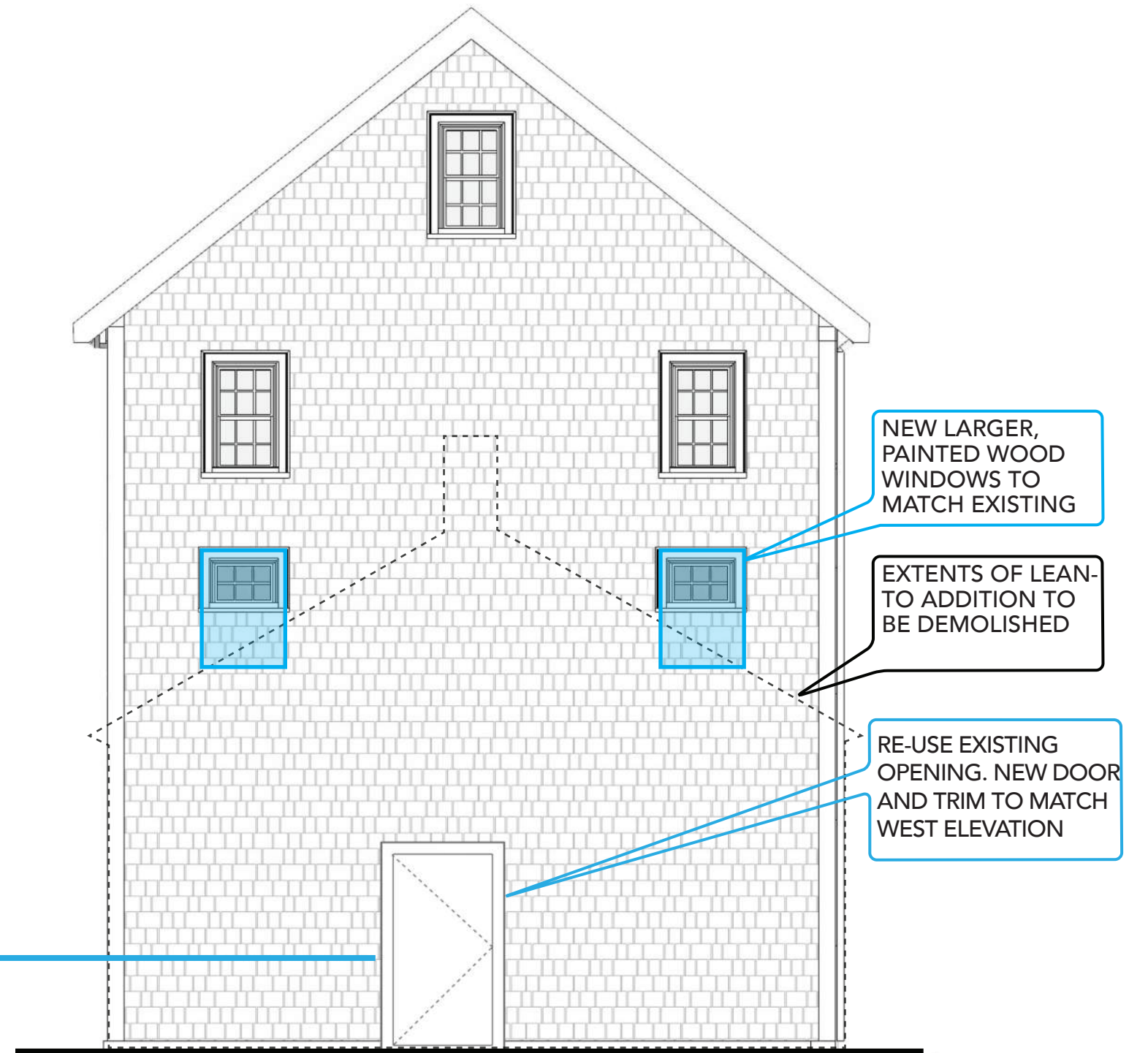
Existing Elevation Overlays With Proposed Changes

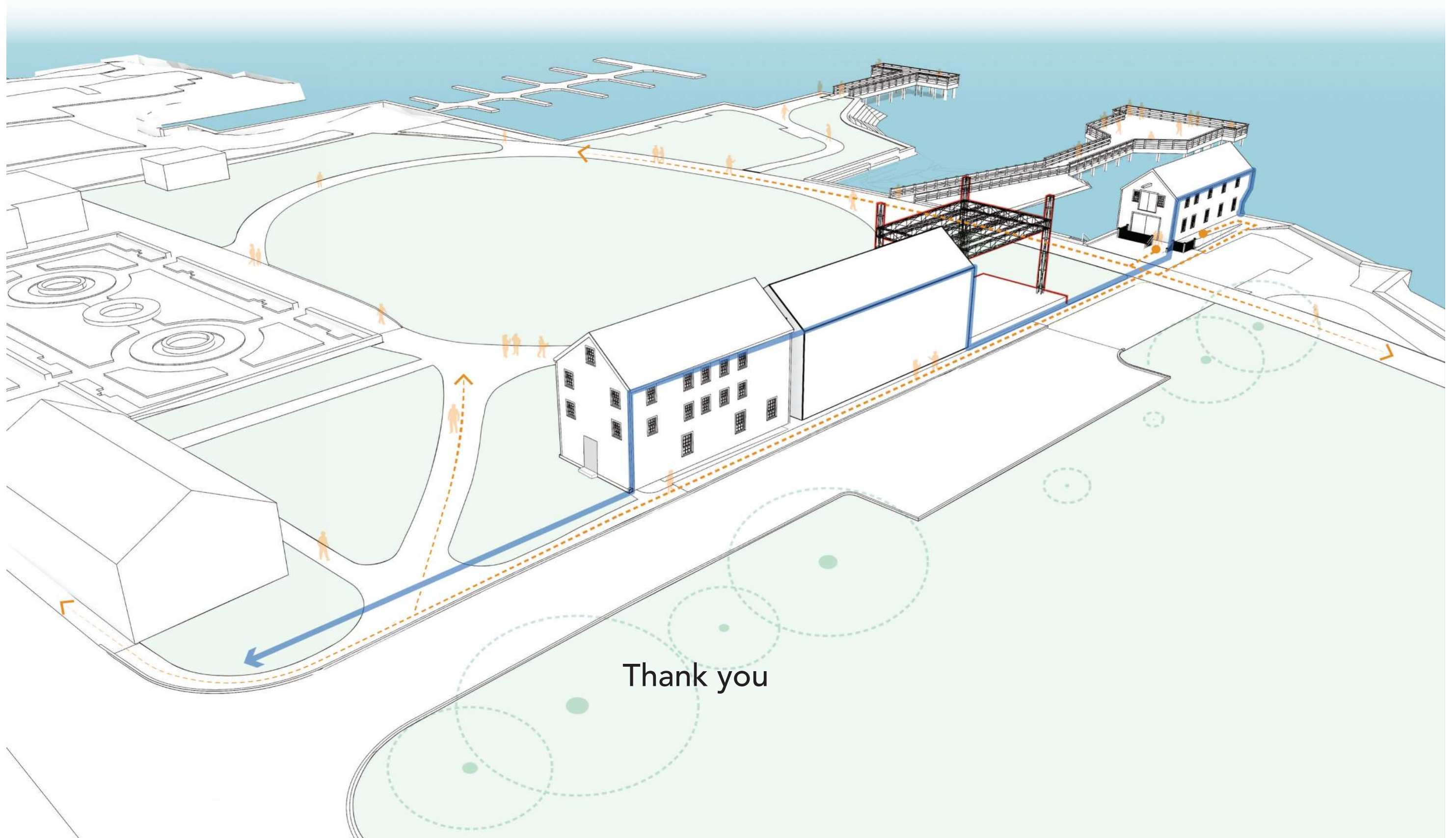


Shaw to Lean-to interface (exterior)



Shaw to Lean-to interface (interior)





Thank you