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## EXISTING CONDTIONS

## STONE WATERTABLE

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AUGUST 2, 2023

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HISTORIC MAP OF ALEXANDRIA, VA
PROJECT INTRODUCTION

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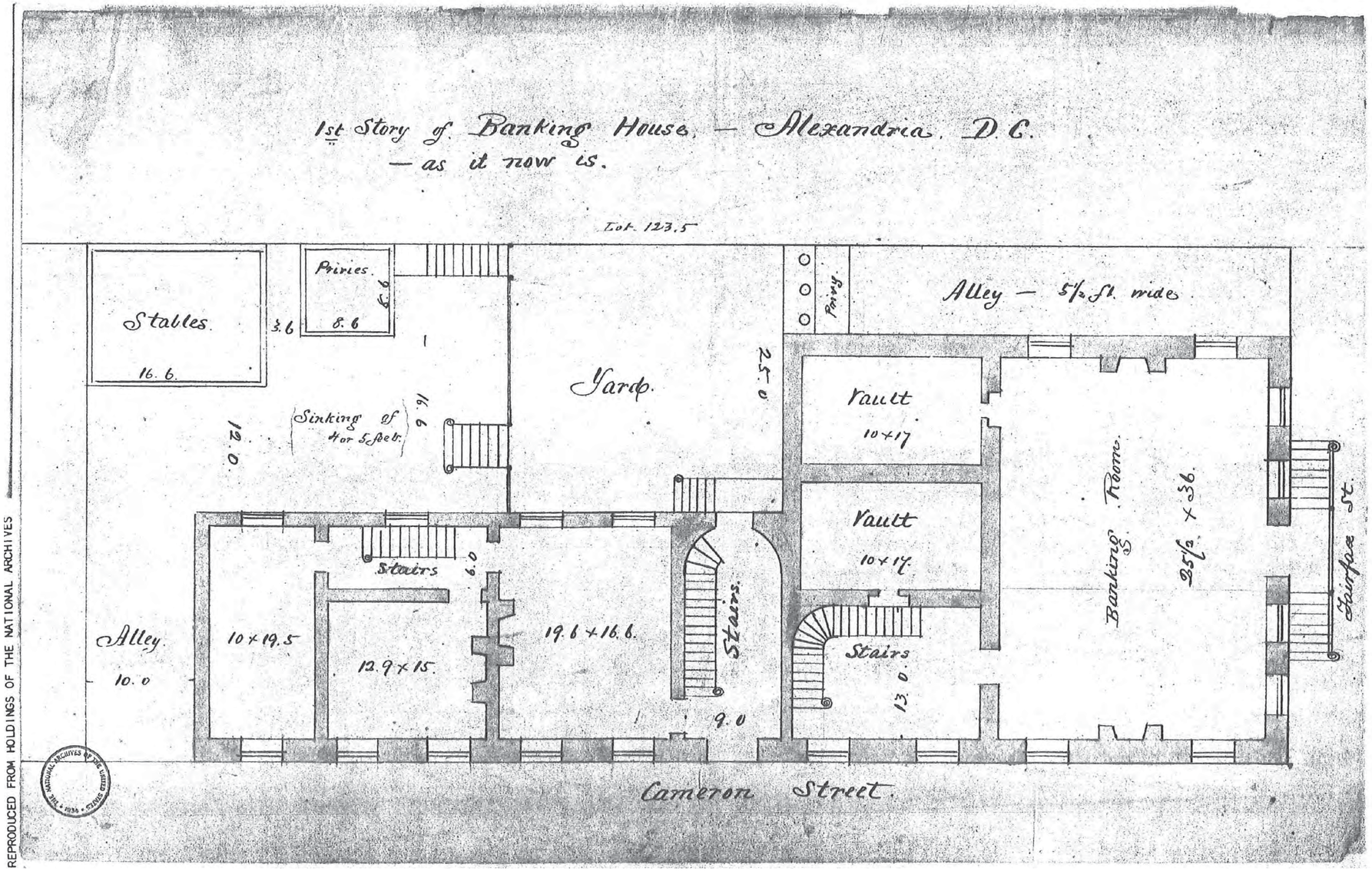
AUGUST 2, 2023




REPRODUCED FROM HOLDINGS OF THE NATIONAL ARCHIVES

BRADDOCK HOUSE, ca 1910-1920

PROJECT INTRODUCTION

BRADDOCK HOUSE, ca 1958

PROJECT INTRODUCTION

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POST HOTEL DEMOLITION

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POST HOTEL RESTORATION, ca 1973

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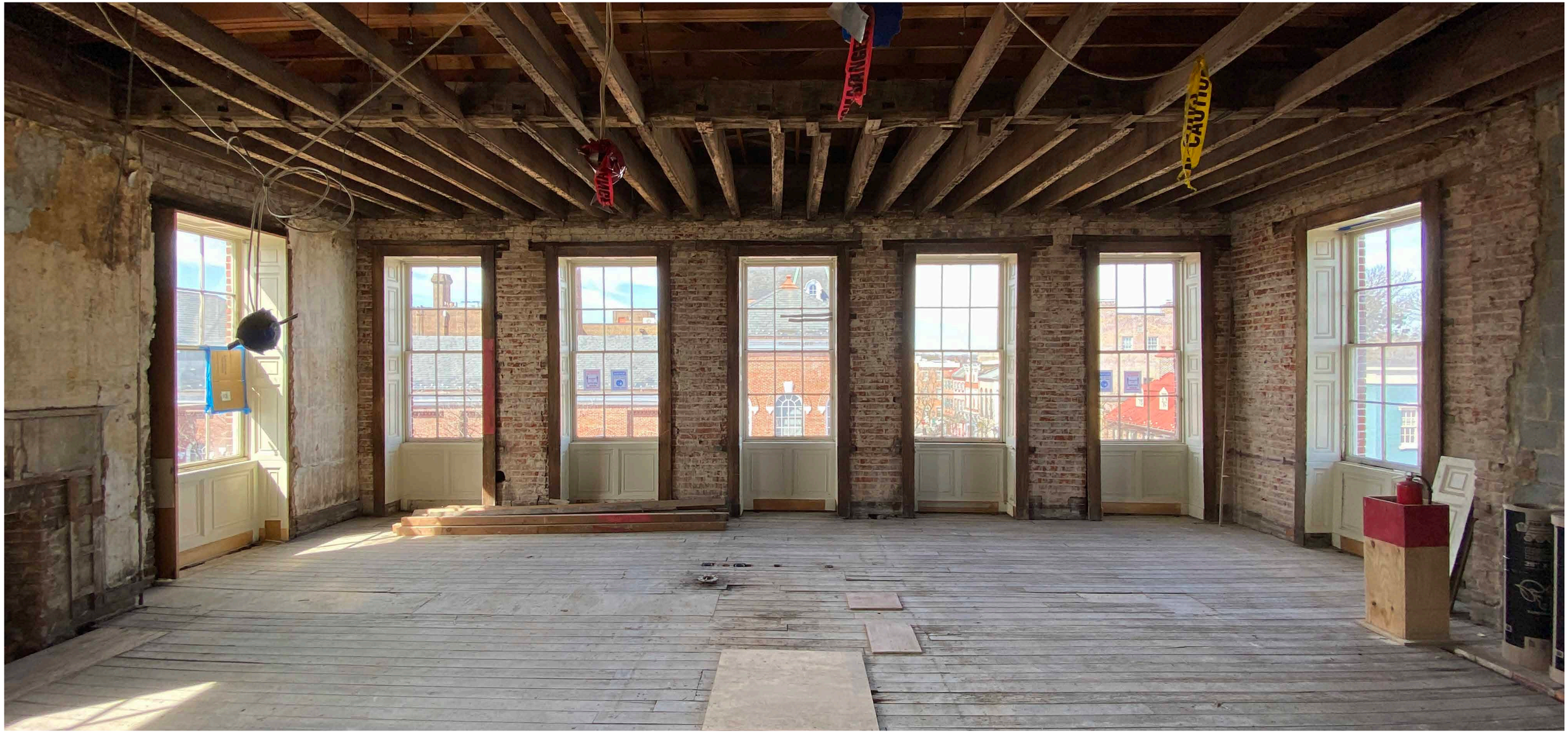

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## HISTORIC CONDTITION
## WINDOW REPAIR

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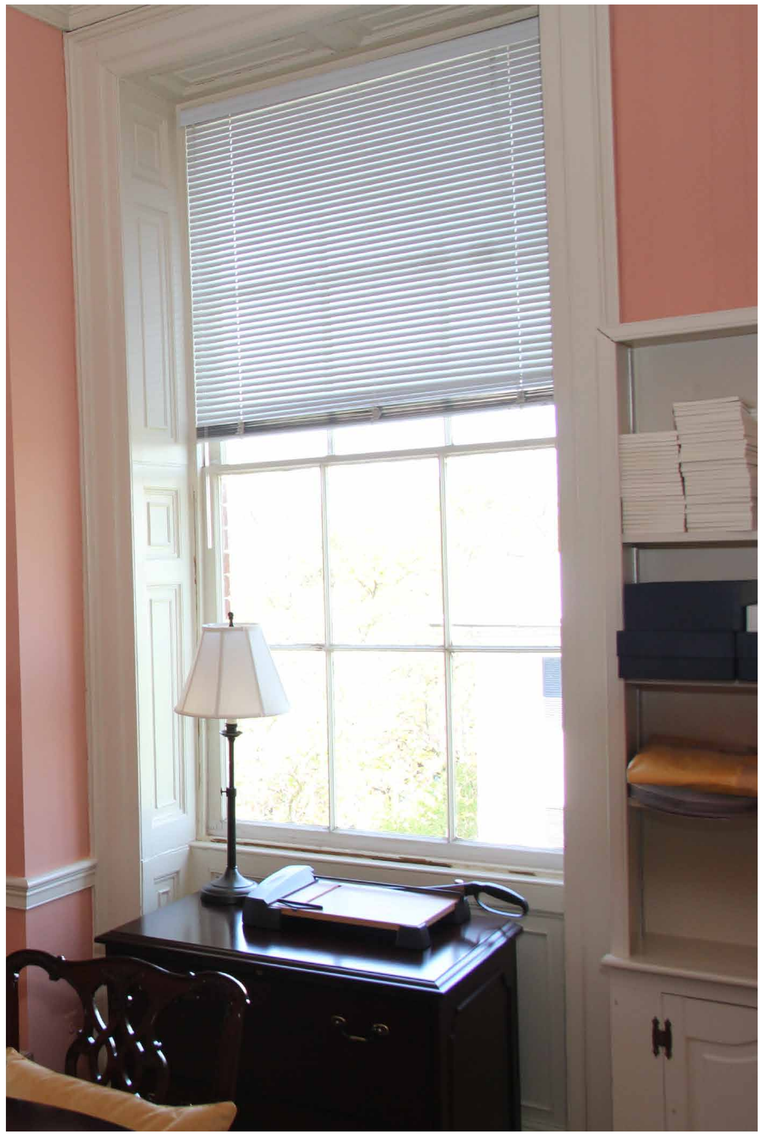

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# WINDOW SHUTTERS

## HISTORIC ARCHITECTURAL ELEMENTS

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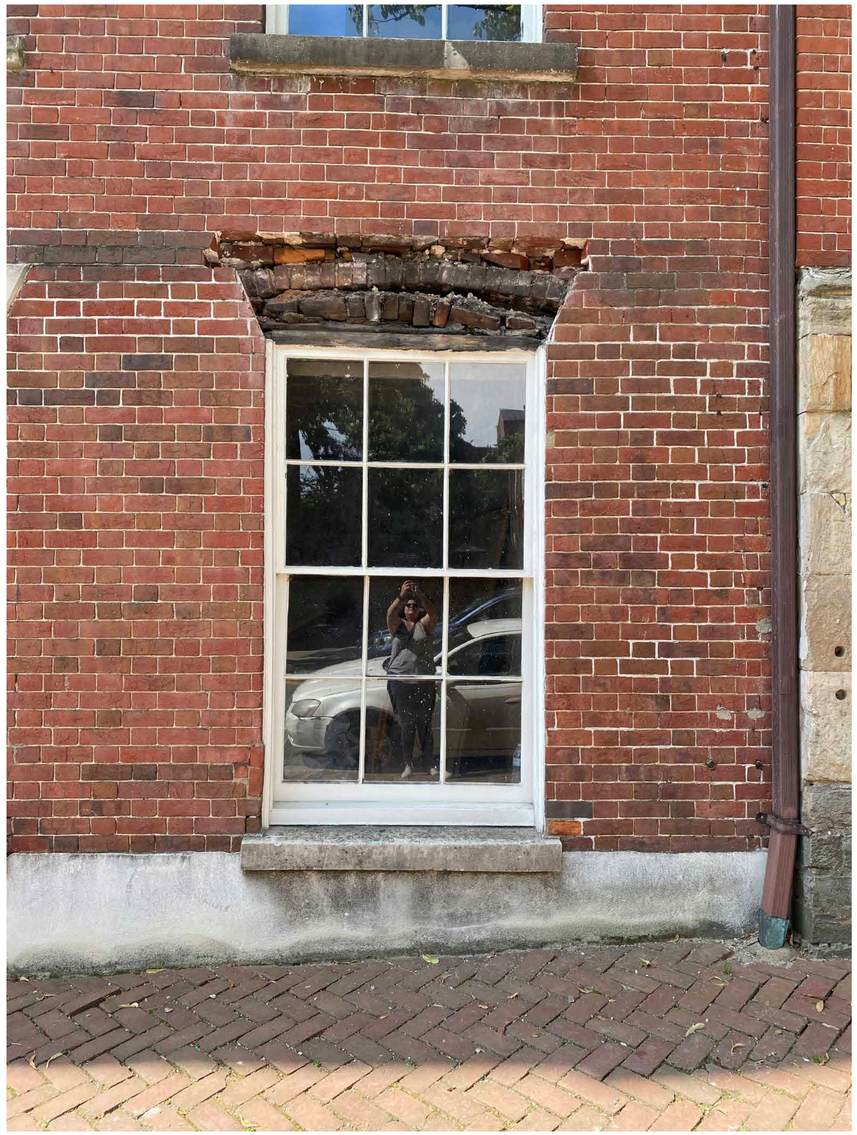

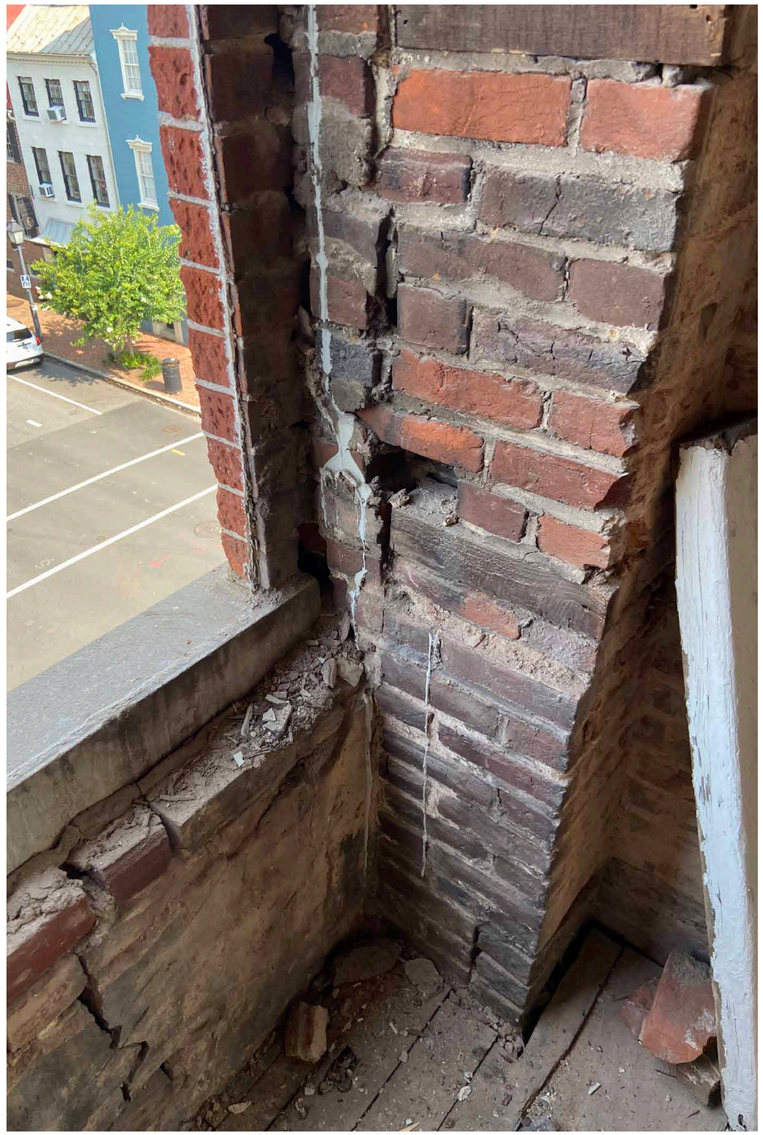

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## HISTORIC CONDTITION

## WINDOW REPAIR

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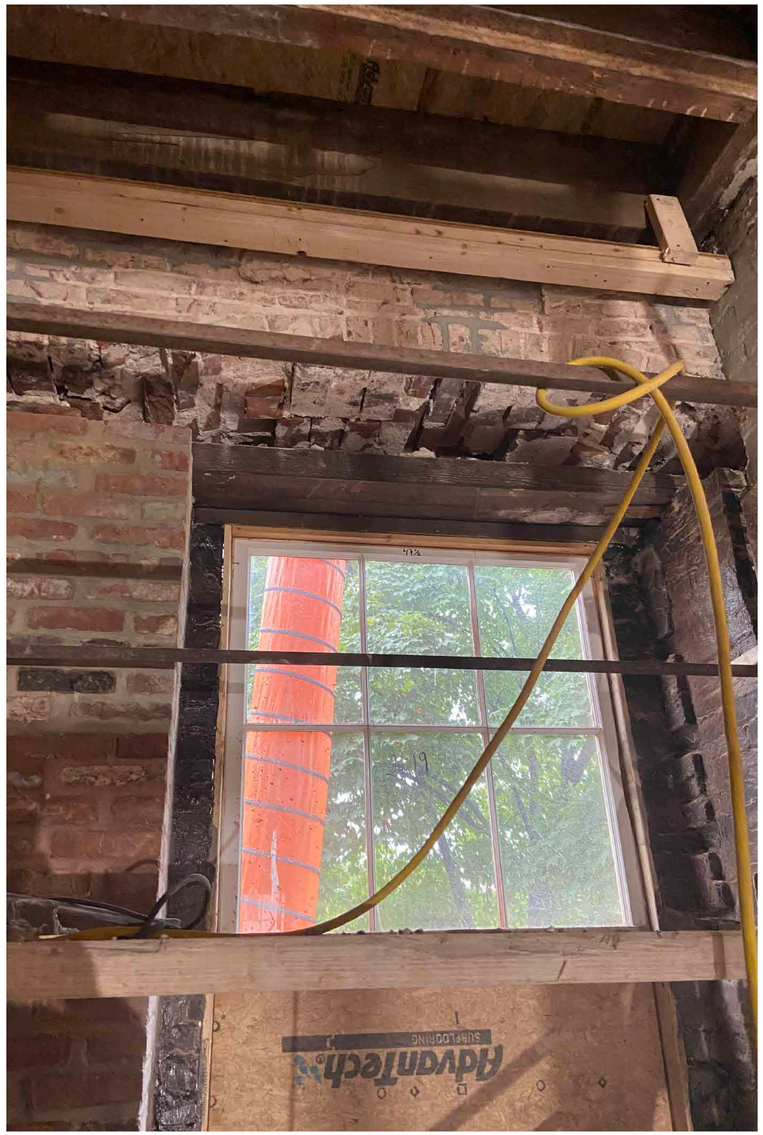
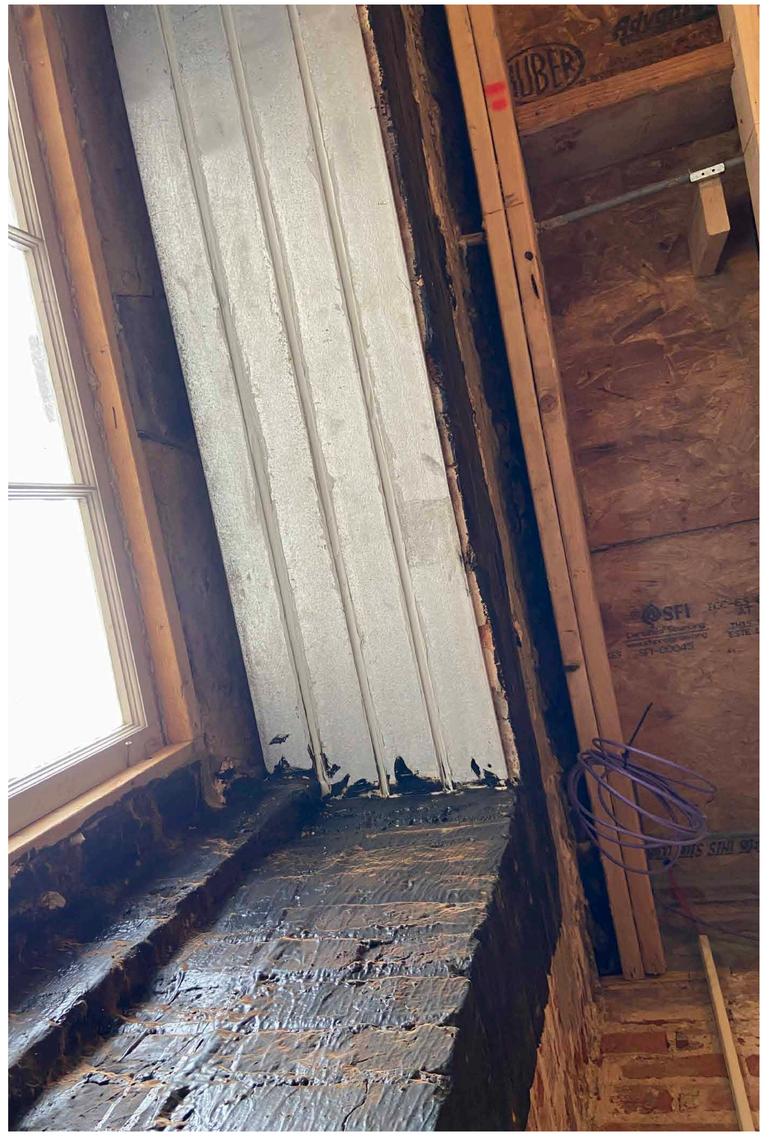
CleanHarbors
NOTICE



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## WATERPROOFING AND NEW LINTELS
## WINDOW REPAIR

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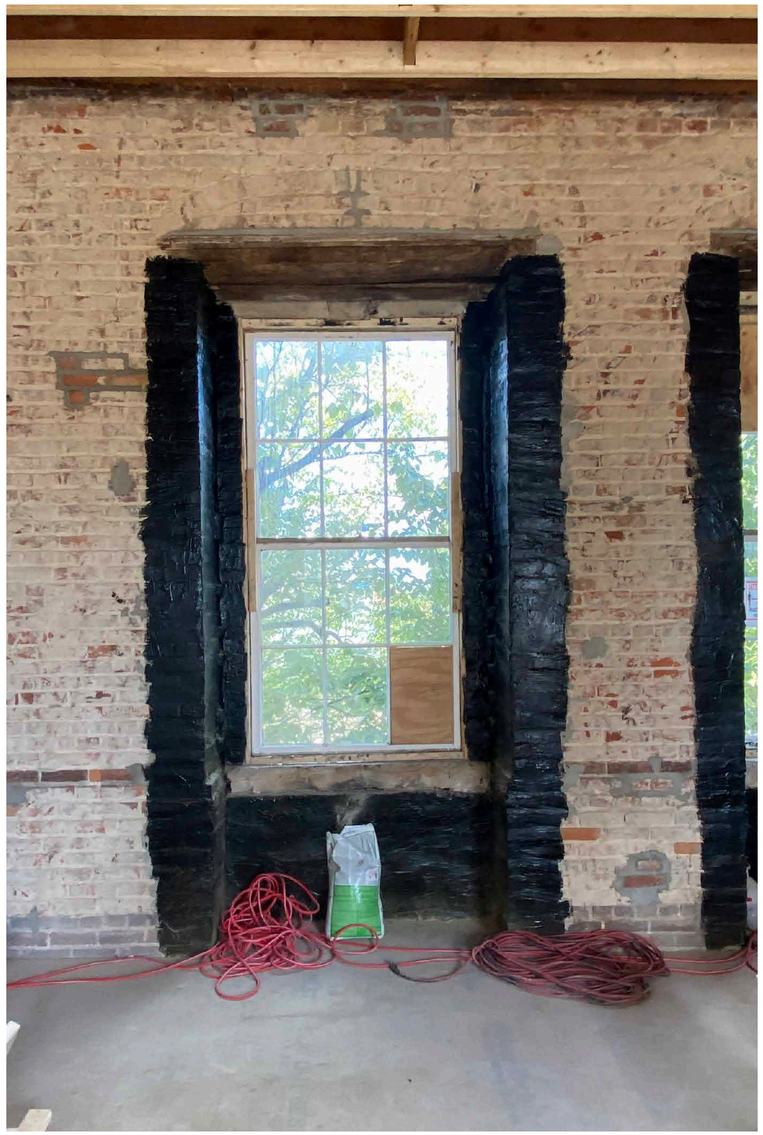

NOTICE
ATTENTION

FLAT OUT BEST
LIFETIME

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LINTEL INSTALL

WINDOW REPAIR

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LINTEL INSTALL

WINDOW REPAIR

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LINTEL INSTALL

WINDOW REPAIR

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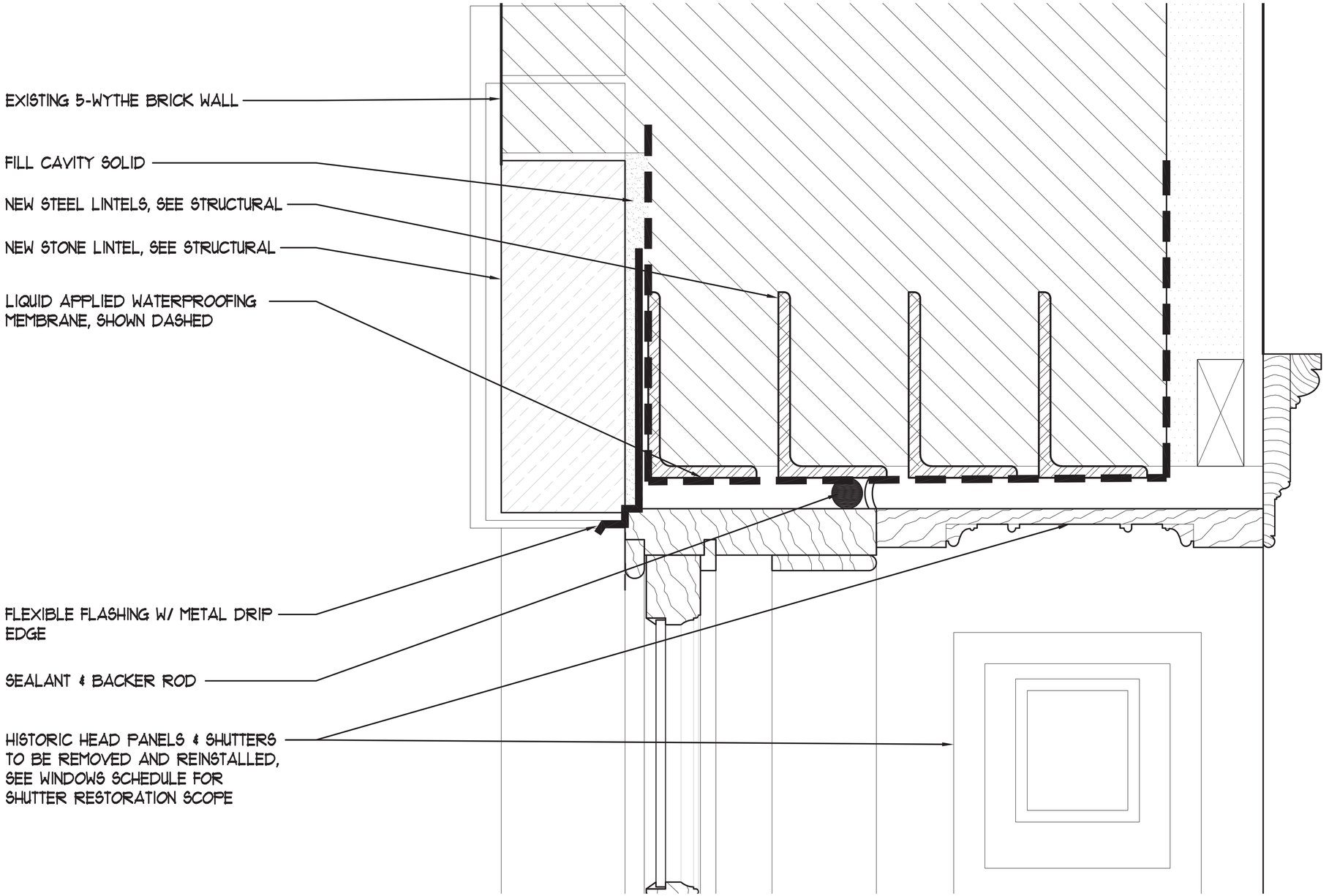
AUGUST 2, 2023

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# WINDOW DETAILS

## RACOON-ING WINDOWS

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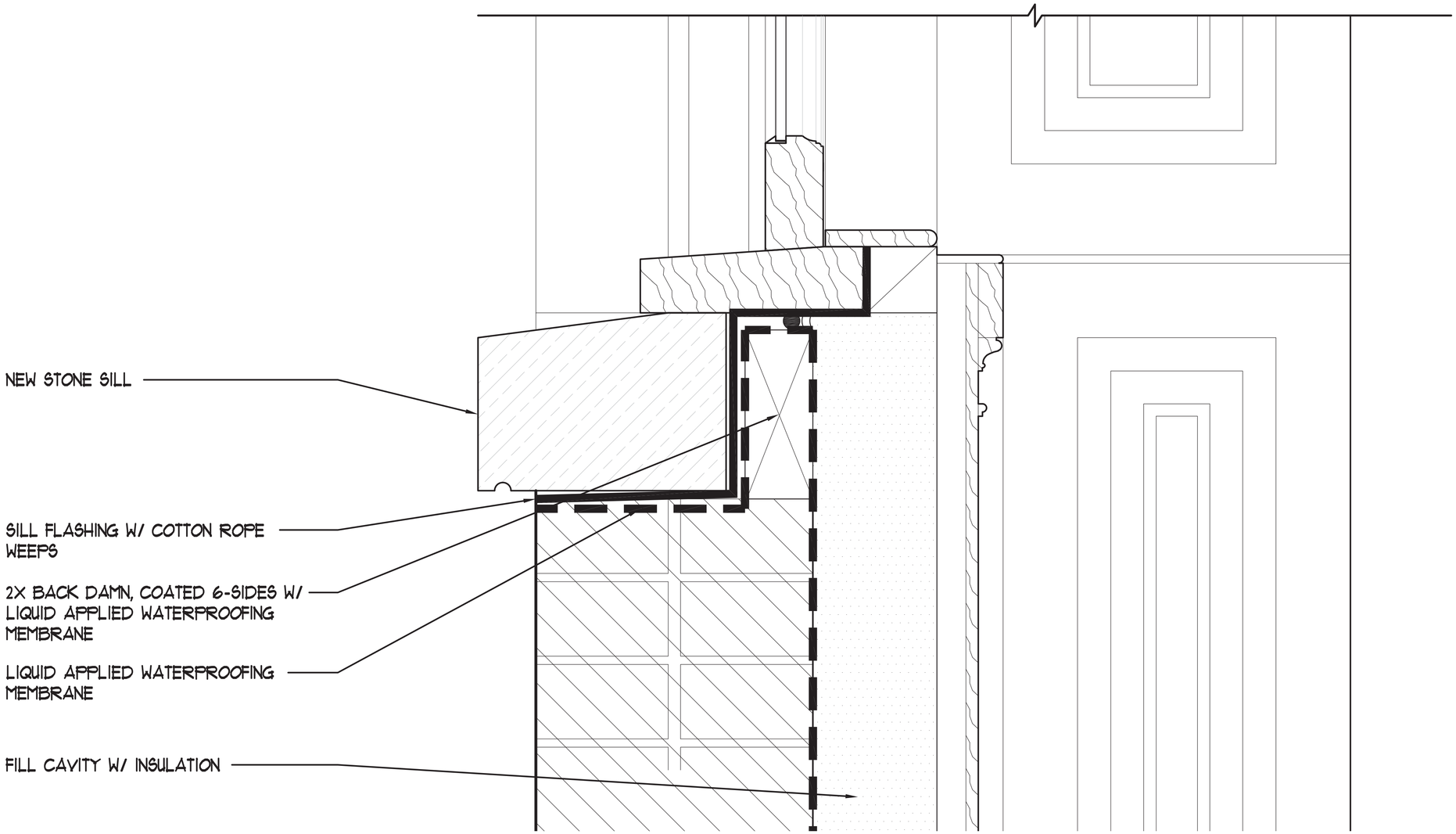
NEW STONE SILL
SILL FLASHING W/ COTTON ROPE WEEPS
2X BACK DAMN, COATED 6-SIDES W/ LIQUID APPLIED WATERPROOFING MEMBRANE
LIQUID APPLIED WATERPROOFING MEMBRANE
FILL CAVITY W/ INSULATION

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## EXISTING CONDTIONS

## STONE WATERTABLE

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## EXISTING CONDTIONS

## STONE WATERTABLE

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## CONDITION BENEATH STUCCO

## STONE WATERTABLE

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AUGUST 2, 2023

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## CONDITION BENEATH STUCCO

## STONE WATERTABLE

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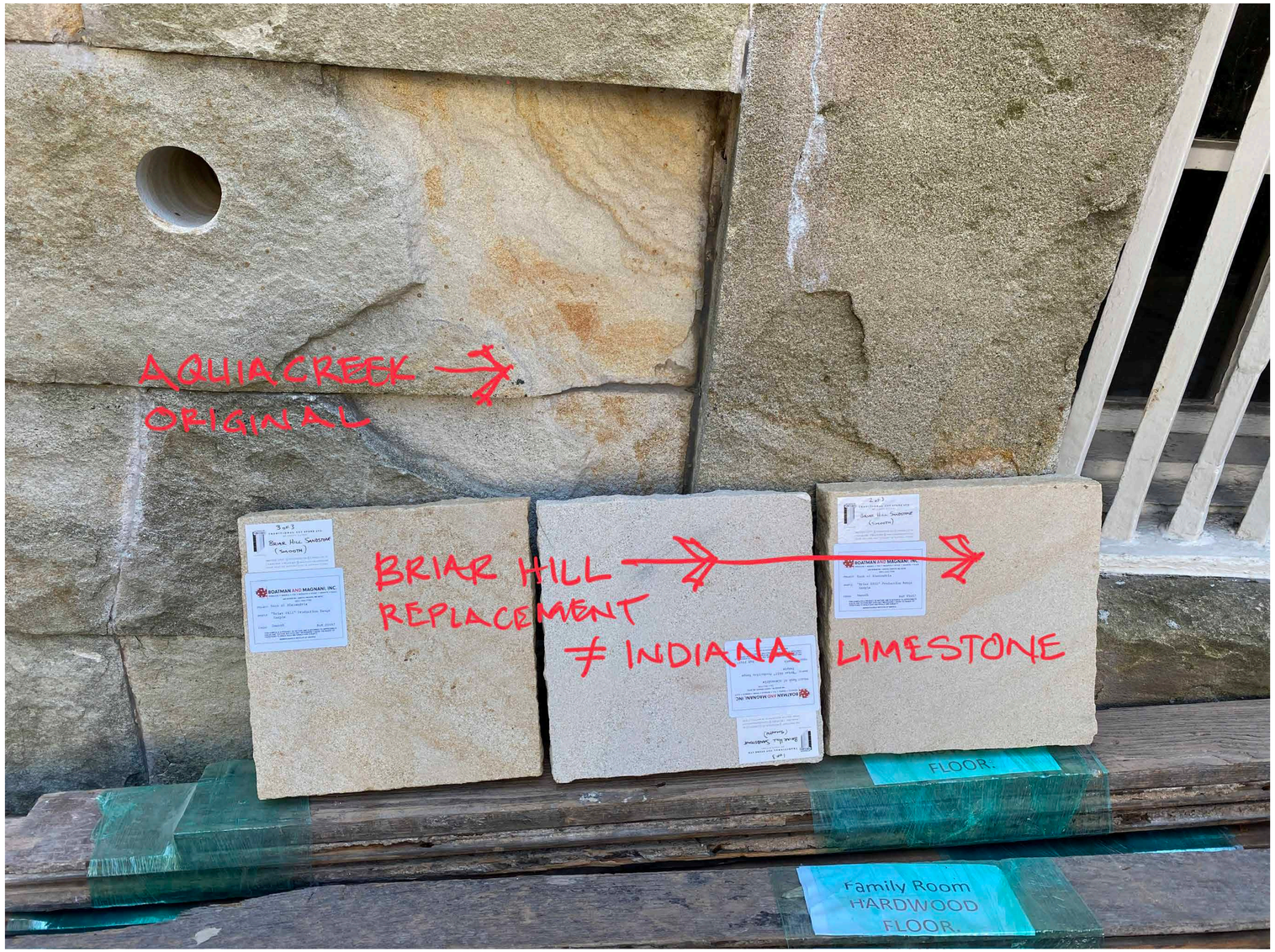
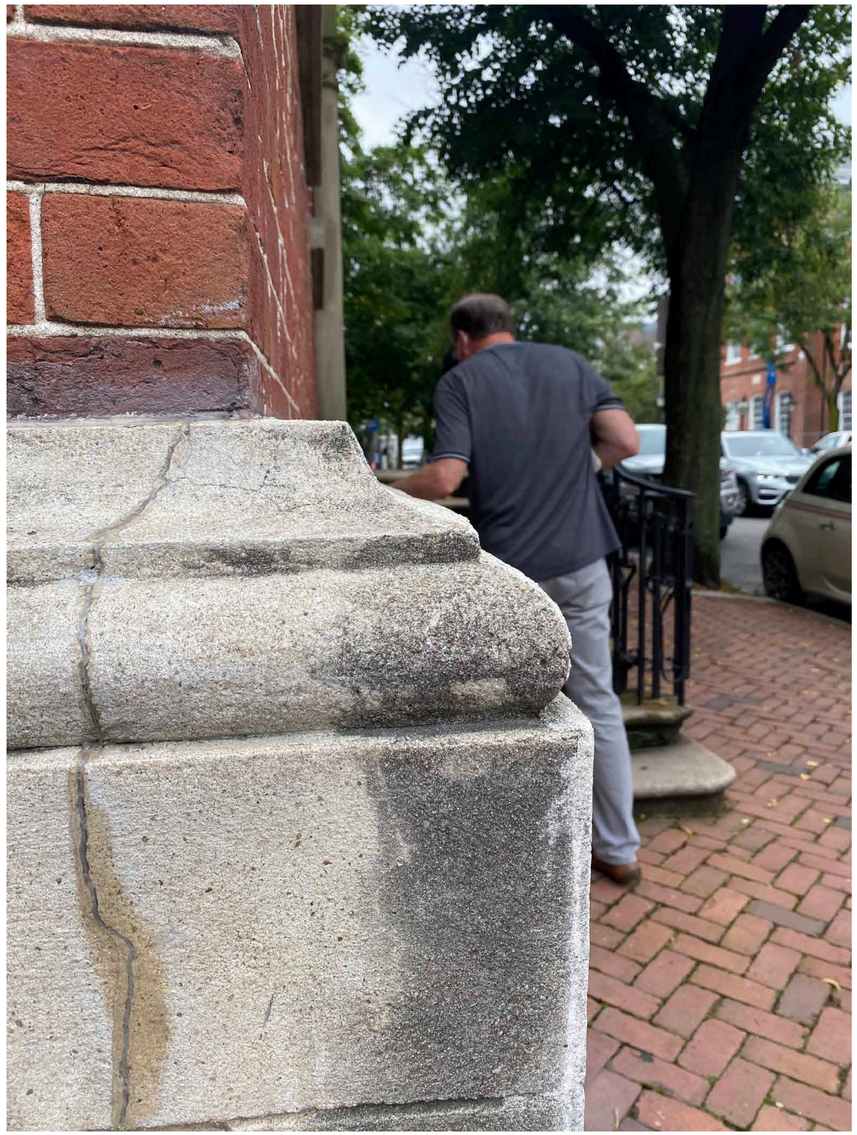

AQUIA CREEK
ORIGINAL
BRIAR HILL
REPLACEMENT
≠ INDIANA LIMESTONE
FLOOR.
Family Room
HARDWOOD
FLOOR.



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## EXISTING CONDTIONS

## STONE WATERTABLE

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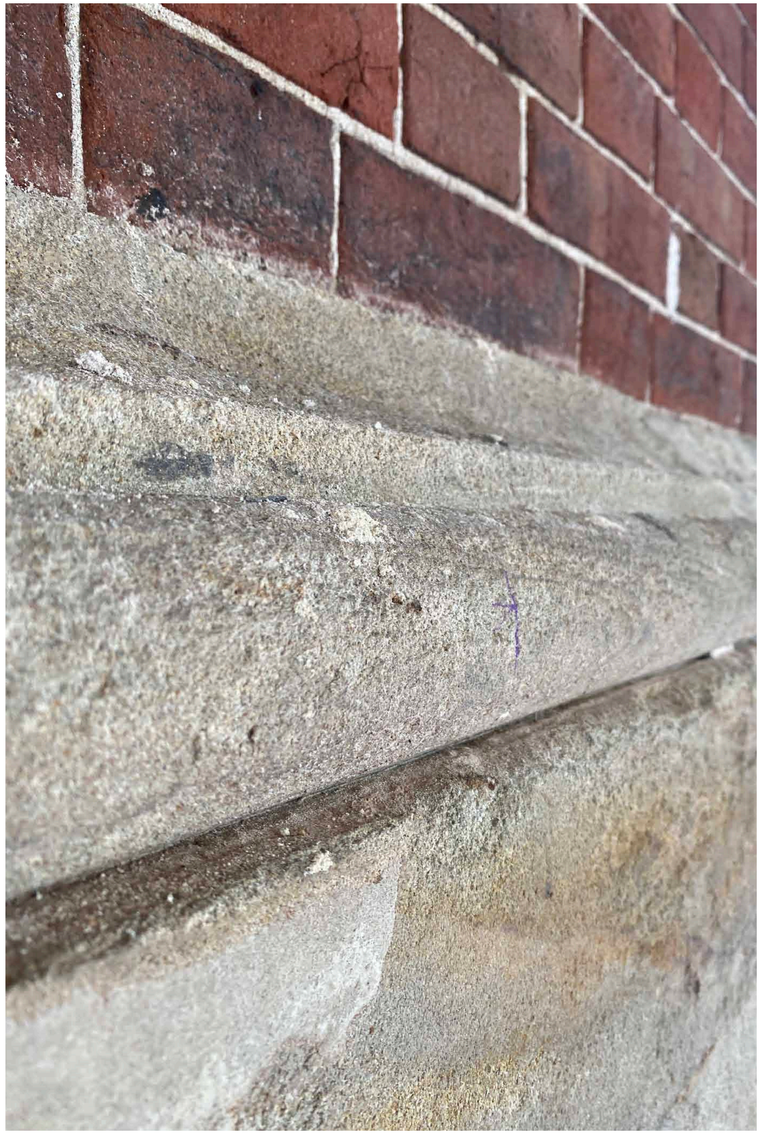
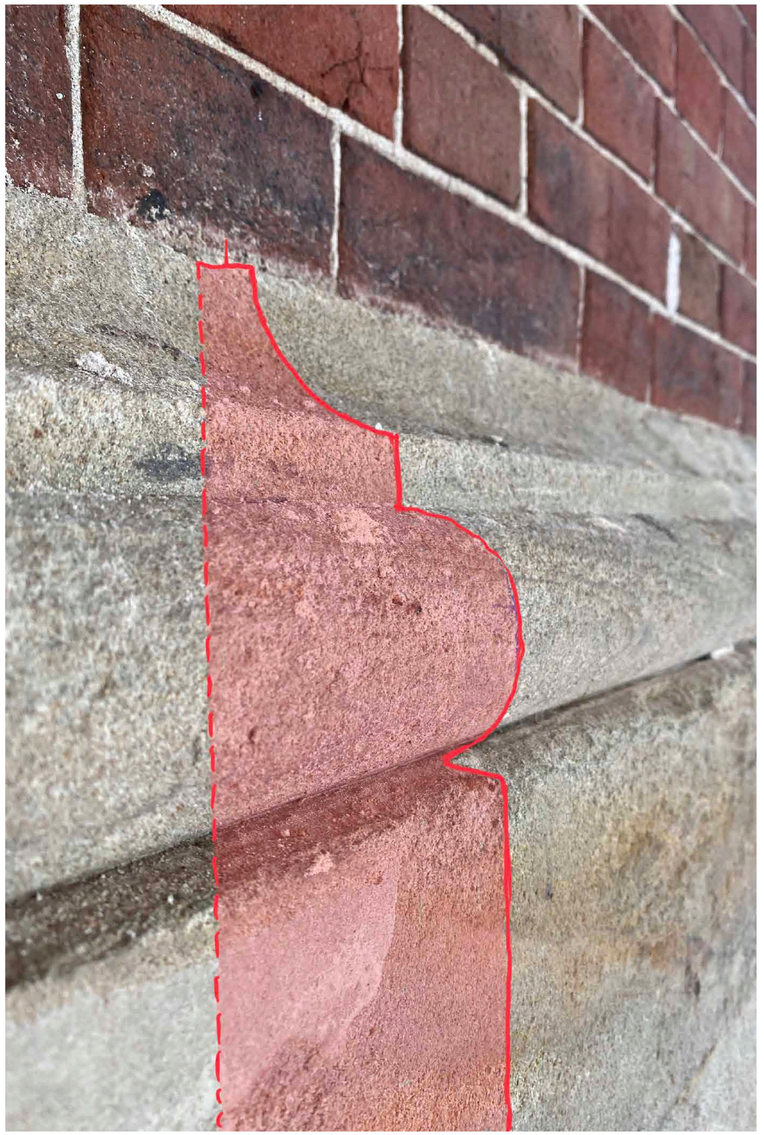
AUGUST 2, 2023





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## HISTORIC PROFILE

## STONE WATERTABLE

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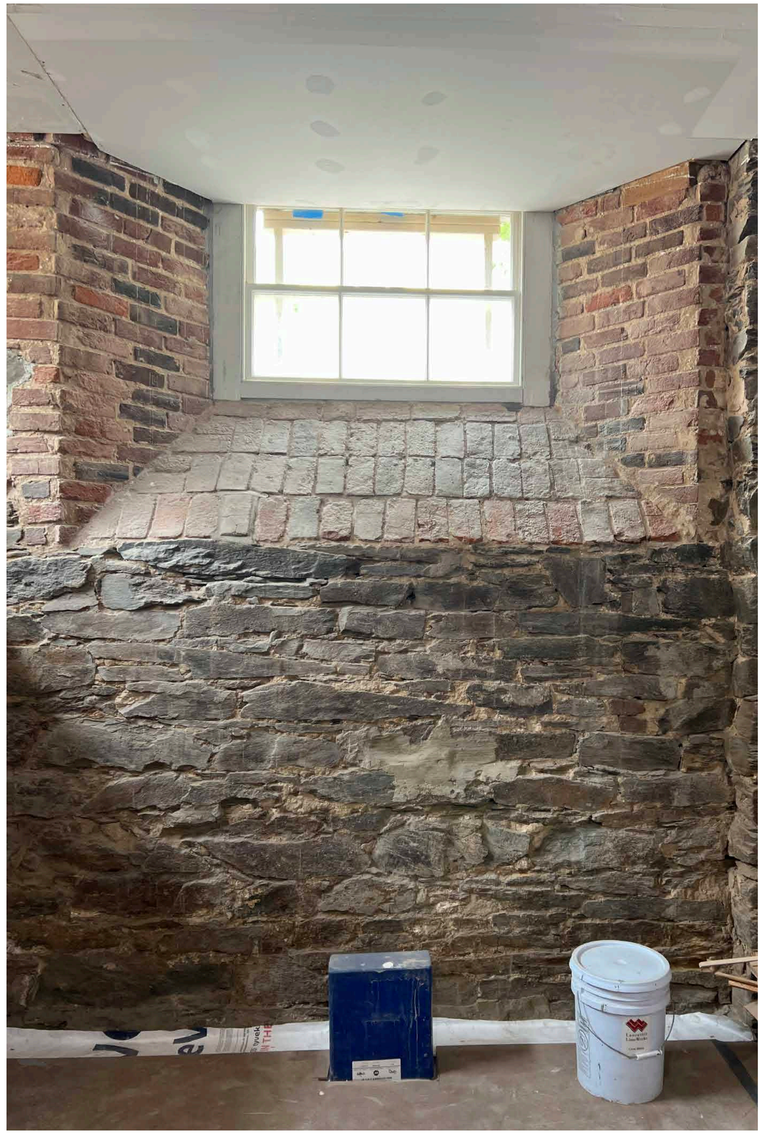

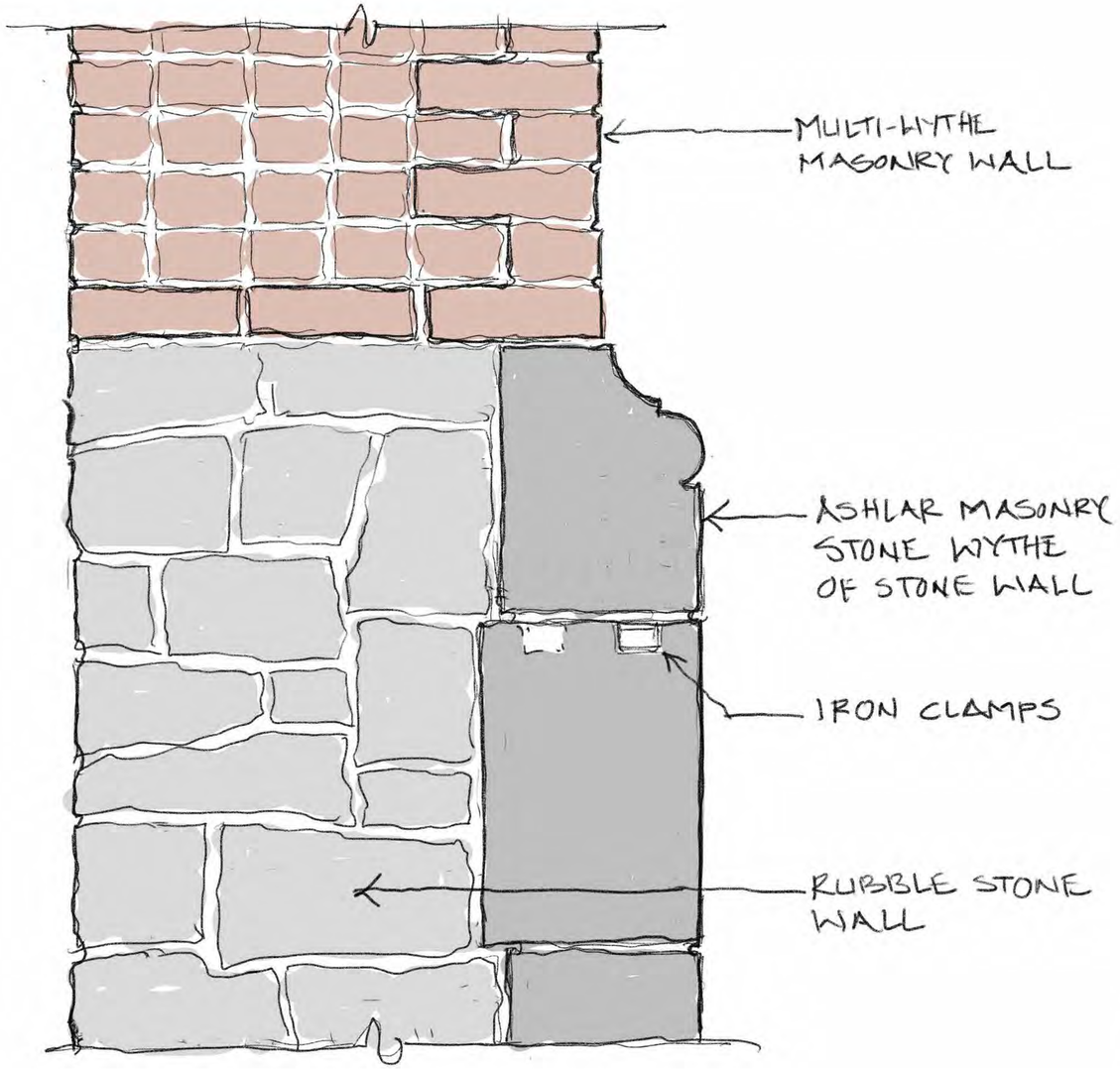


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## FOUND CONDITION AT BRICK MASONRY BEARING ON STONE MASONRY WALL
## STONE WATERTABLE

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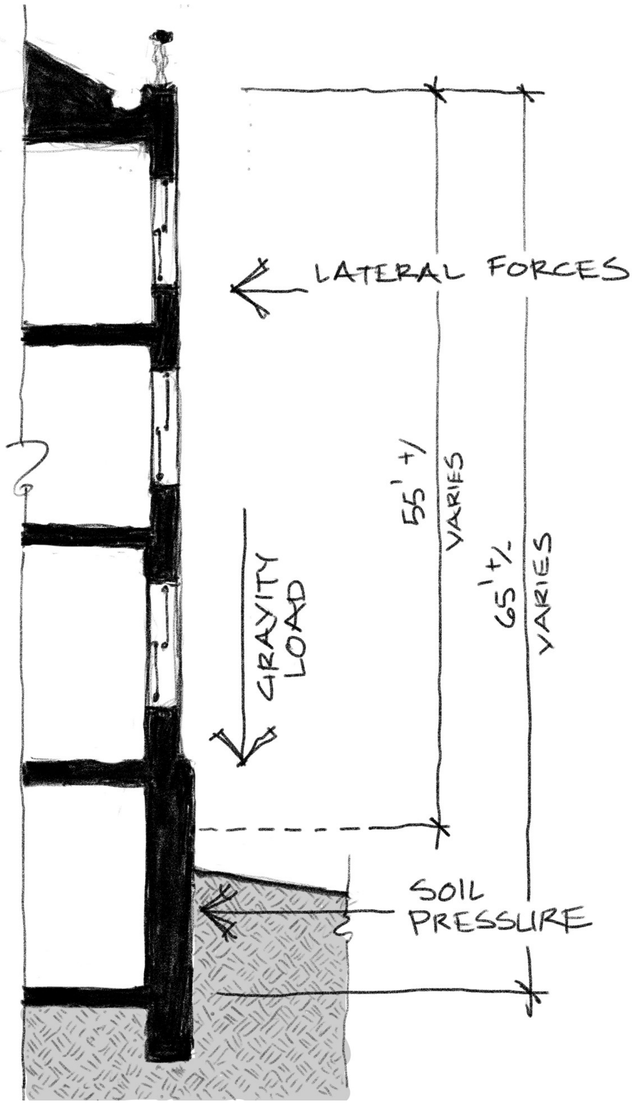
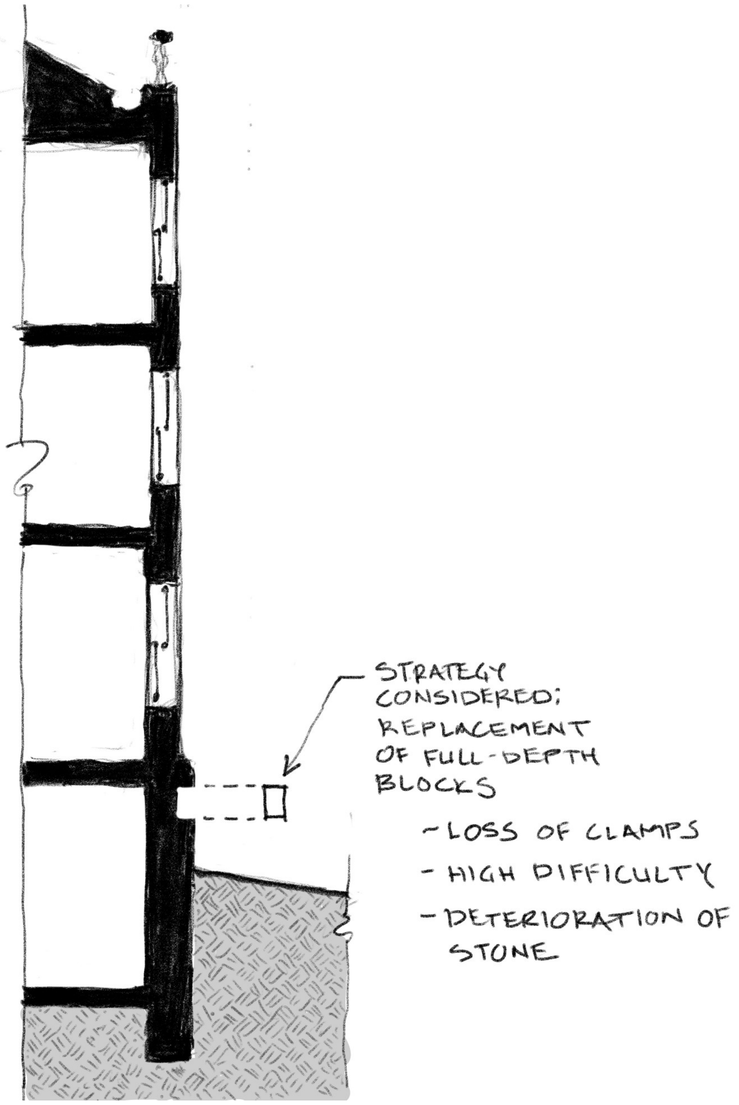



## GENERAL OUTLINE OF FORCES ON LOWER WALL AREA
## STONE WATERTABLE

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## STRATEGY CONSIDERED AND REJECTED - FULL BLOCK REPLACEMENT

### STONE WATERTABLE

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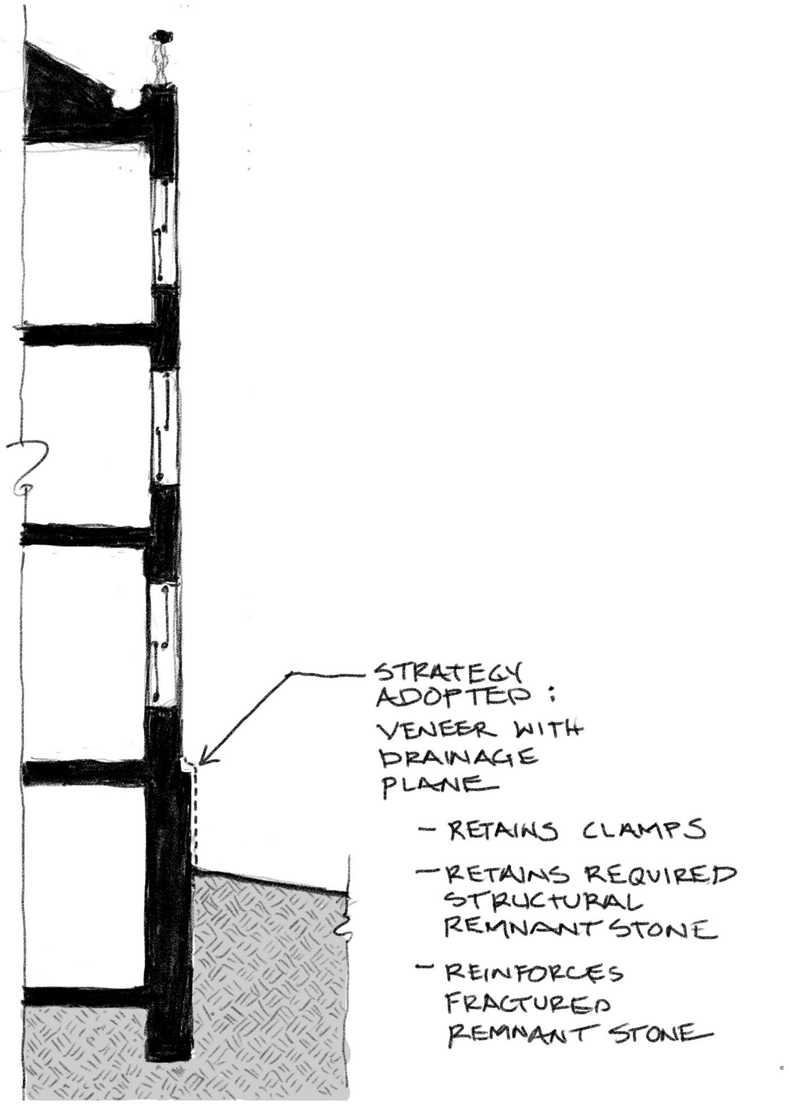


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## STRATEGY ADOPTED - MINIMUM EXISTING STONE REMOVAL

### STONE WATERTABLE

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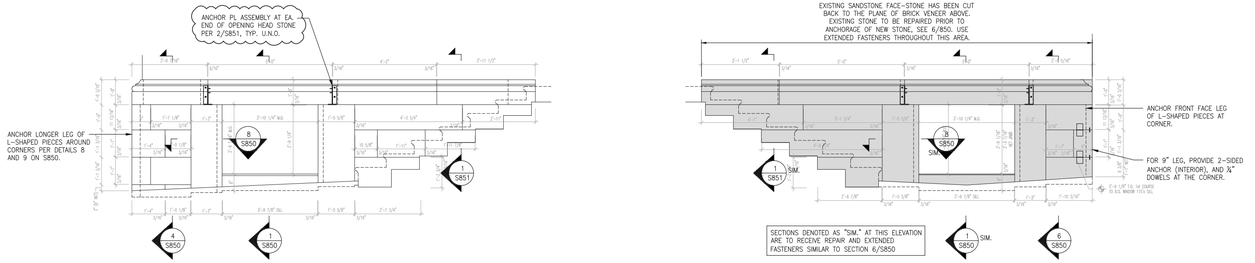
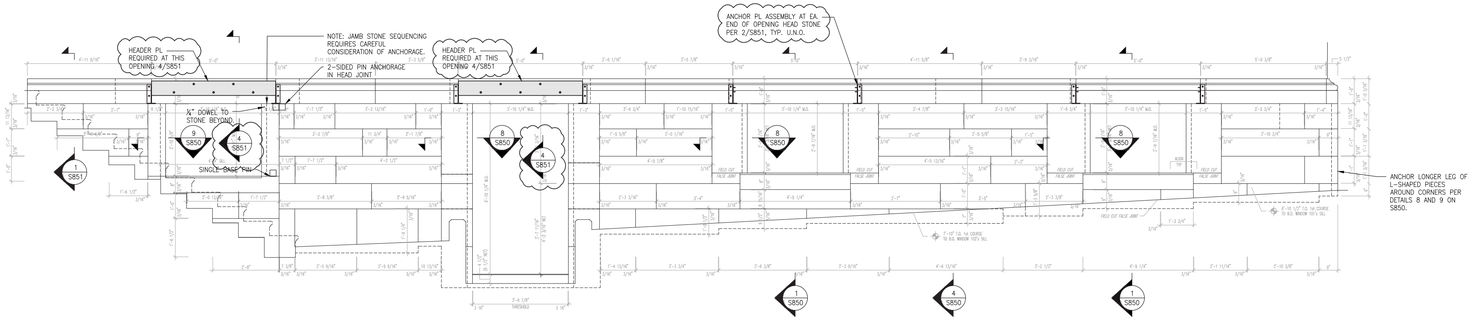
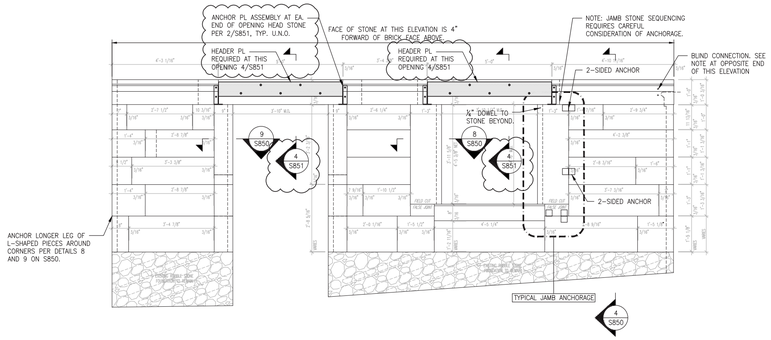



1 S800 **WEST ELEVATION**
SCALE: 1/2" = 1'-0"

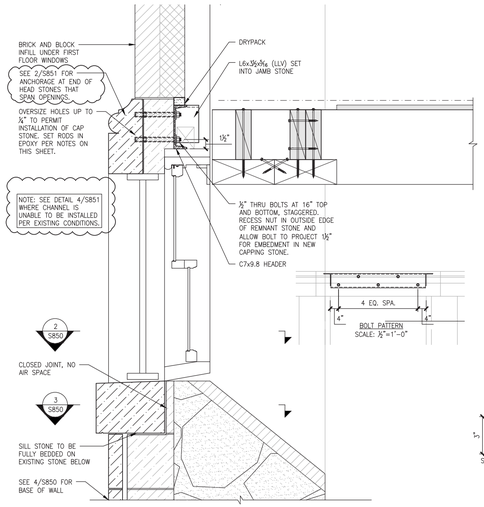



2 S800 **PARTIAL NORTH ELEVATION**
SCALE: 1/2" = 1'-0"

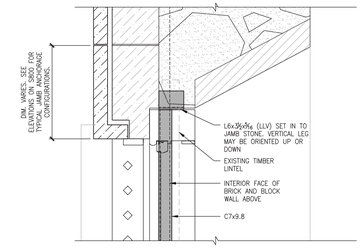



3 S800 **PARTIAL NORTH ELEVATION**
SCALE: 1/2" = 1'-0"

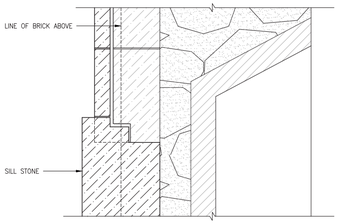
BACKGROUND DRAWINGS CREATED BY BOATMAN AND MAGNANI INC. 2023-02-06



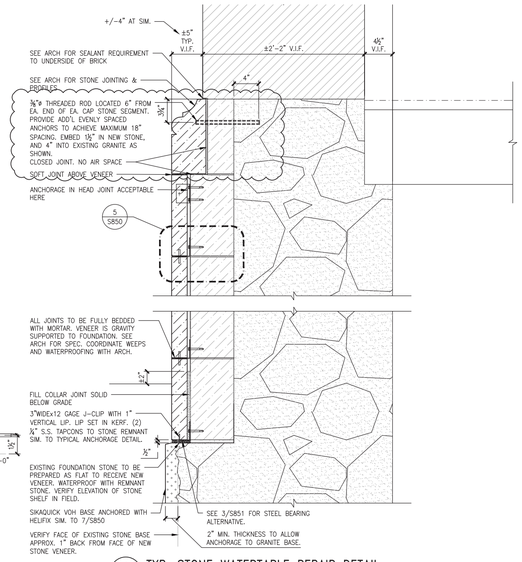

1 S850 TYP. WINDOW OPENING SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



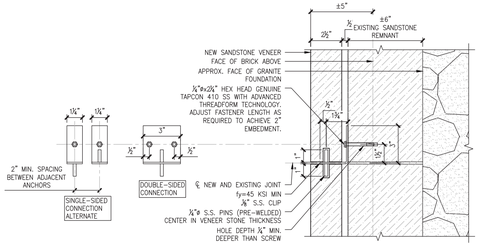

2 S850 TYP. WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"




3 S850 TYP. WINDOW SILL PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



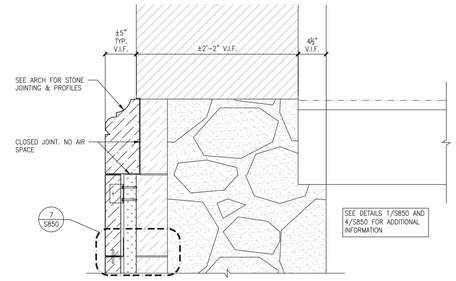

4 S850 TYP. STONE WATERTABLE REPAIR DETAIL
SCALE: 1 1/2" = 1'-0"



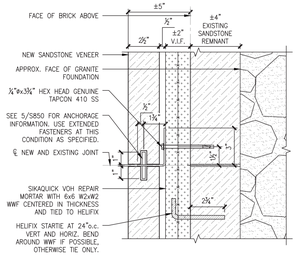

5 S850 TYP. ANCHOR DETAIL
SCALE: 3" = 1'-0"

STONE VENEER ANCHORAGE NOTES:

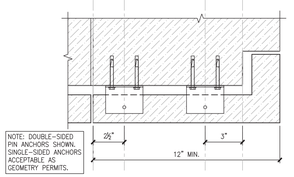
1. ¾" PINS SHALL GENERALLY BE CENTERED IN THE THICKNESS OF THE VENEER. PINS SHALL BE LOCATED 1½" MINIMUM FROM ANY OTHER EDGE OF THE VENEER STONE. SET PINS IN LATICRETE 254 PLATINUM THINSET OR SIMILAR.
2. PINS LOCATED IN BED JOINTS SHALL BE POSITIONED BETWEEN ⅛ AND ¼ OF THE STONE PANEL LENGTH FROM EACH END OF THE VENEER PANEL. COORDINATE ANCHOR POSITIONS WITH STONES ABOVE AND BELOW.
3. ALL CLIPS, PINS, PLATES AND FASTENERS SHALL BE STAINLESS STEEL.
4. ¼" TAPCON ANCHORS SHALL BE LOCATED 1½" FROM EXISTING STONE JOINTS, AND 2" FROM EXISTING STONE EDGES. SEE DETAILS FOR MORE INFORMATION AND GENERAL ACCEPTABLE CONFIGURATIONS.
5. SEE ARCH FOR DETAILS RELATED TO WATER MANAGEMENT (WATERPROOFING, WEEPS, ETC.).
6. ALL UNEVEN SURFACES SHALL BE PREPARED PLUMB/LEVEL/SQUARE TO RECEIVE THE ANCHORAGE CONDITIONS SHOWN IN THESE DRAWINGS. SHIMMING UP TO ⅜" IS ACCEPTABLE FOR THE TYPICAL CONDITION. SHIMS THICKER THAN ⅜" WILL REQUIRE LONGER TAPCON ANCHORS. THE MINIMUM EMBEDMENT OF THE TAPCON ANCHOR INTO THE SANDSTONE REMNANT IS 2".
7. WHERE EPOXY IS SPECIFIED AT ROD/PIN TO STONE CONNECTIONS PROVIDE DOO ANCHOR-FIX 2001.
8. PROVIDE SOFT JOINTS WHERE NOTED. TYPICALLY SOFT JOINTS SHALL BE PROVIDED BELOW THE ENTIRE LENGTH OF THE CAPPING STONE, AT ALL HEAD JOINTS OF THE CAPPING STONE, AND AT SPECIFICALLY LOCATIONS AT THE BASE OF WALL ADJACENT TO OPENINGS (SEPARATE MARKUP TO BE PROVIDED).



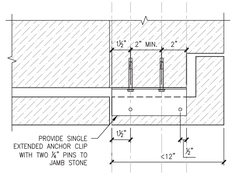

6 S850 STONE WATERTABLE REPAIR DETAIL
SCALE: 1 1/2" = 1'-0"



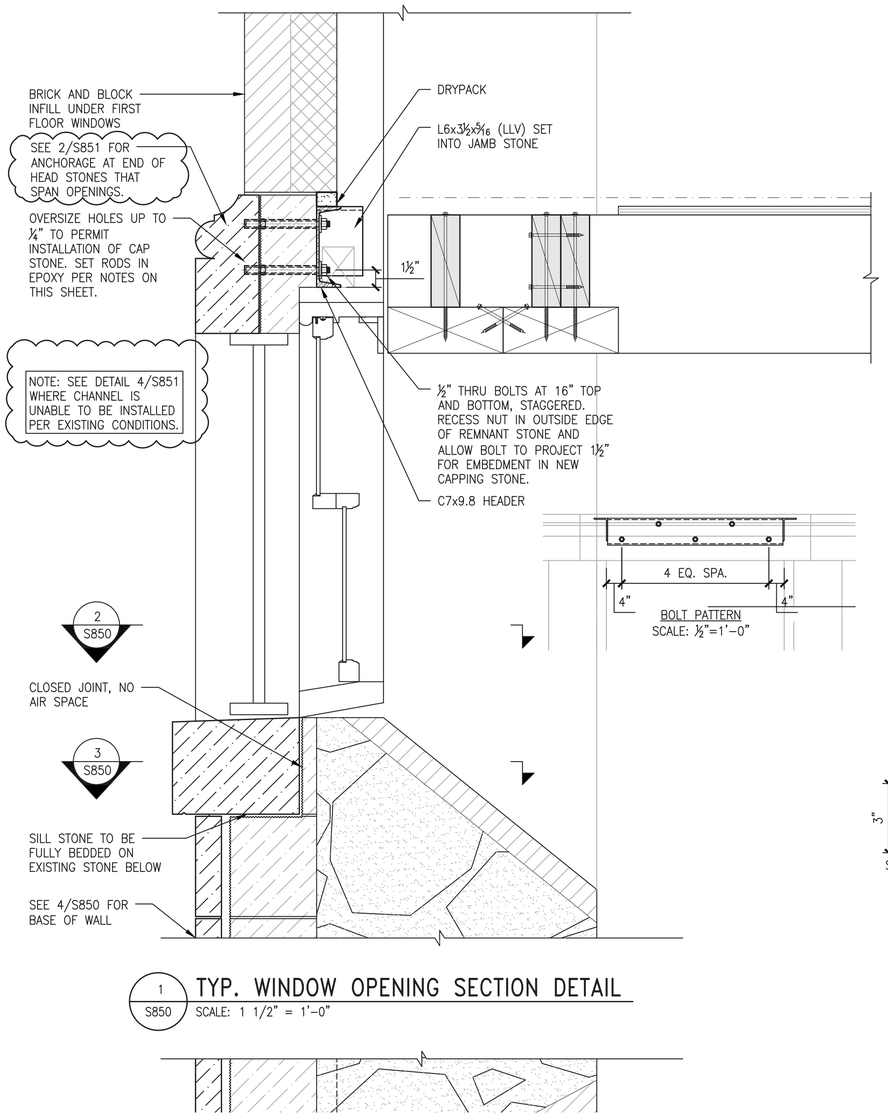

7 S850 ANCHOR DETAIL
SCALE: 3" = 1'-0"



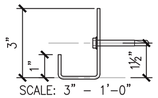

PLAN DETAIL AT CORNERS WITH LONG LEG 12" AND GREATER IN OVERALL WIDTH
8 S850
SCALE: 3" = 1'-0"



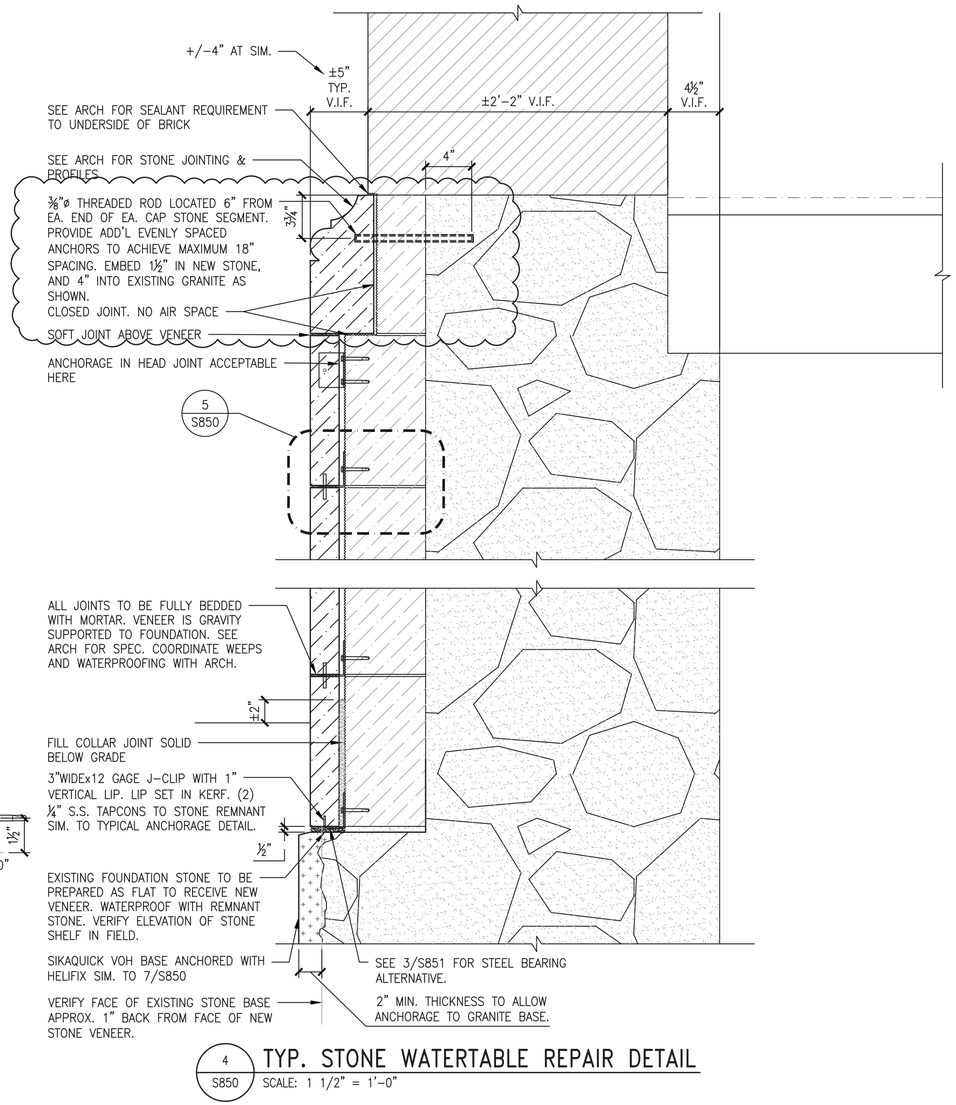

PLAN DETAIL AT CORNERS WITH LONG LEG LESS THAN 12" IN OVERALL WIDTH
9 S850
SCALE: 3" = 1'-0"




1 S850 TYP. WINDOW OPENING SECTION DETAIL
SCALE: 1 1/2" = 1'-0"




SCALE: 3" – 1'-0"




4 S850 TYP. STONE WATERTABLE REPAIR DETAIL
SCALE: 1 1/2" = 1'-0"

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# DETAILS

## STONE WATERTABLE

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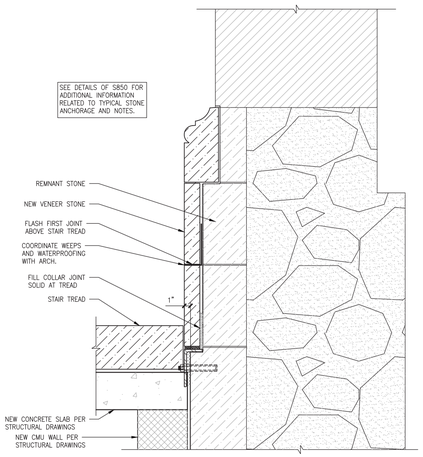
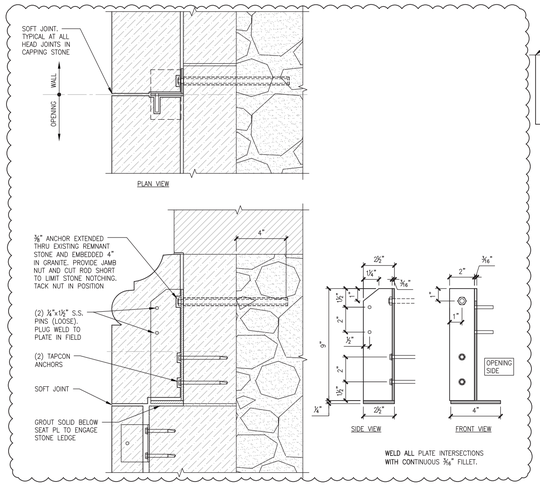
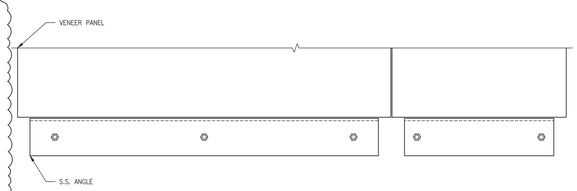
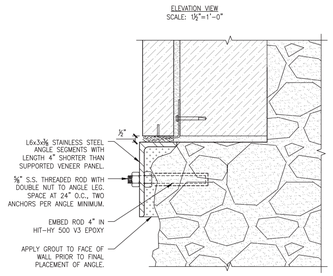



1 S851 STAIR DETAIL
SCALE: 1 1/2" = 1'-0"

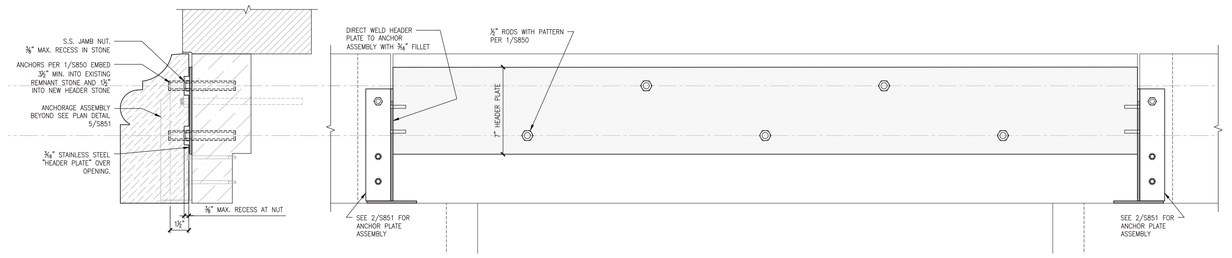



2 S851 HEADER STONE ANCHOR DETAIL ADJACENT TO OPENINGS
SCALE: 3" = 1'-0"



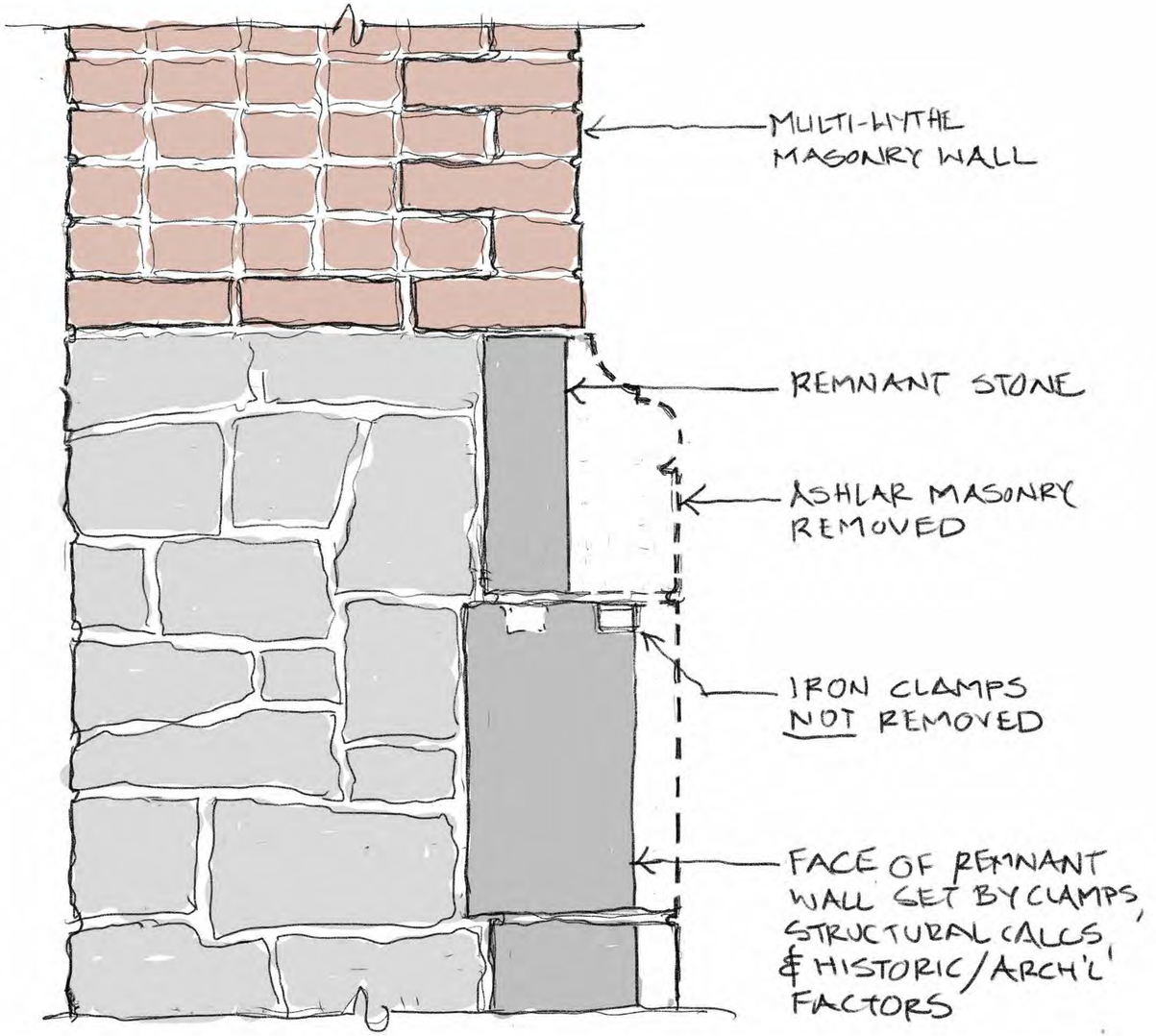

3 S851 STEEL BEARING ALTERNATE DETAIL
SCALE: 3" = 1'-0"

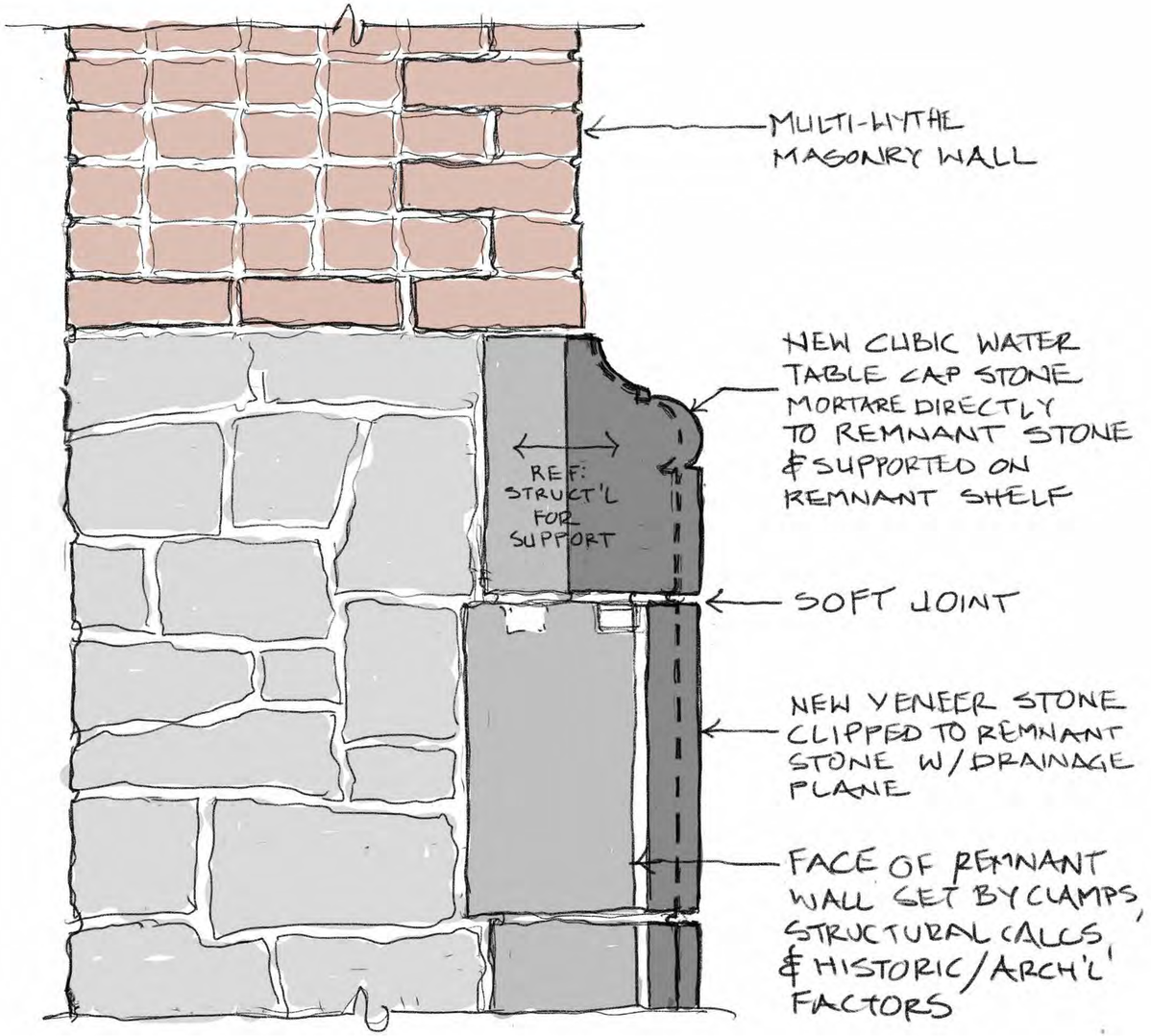


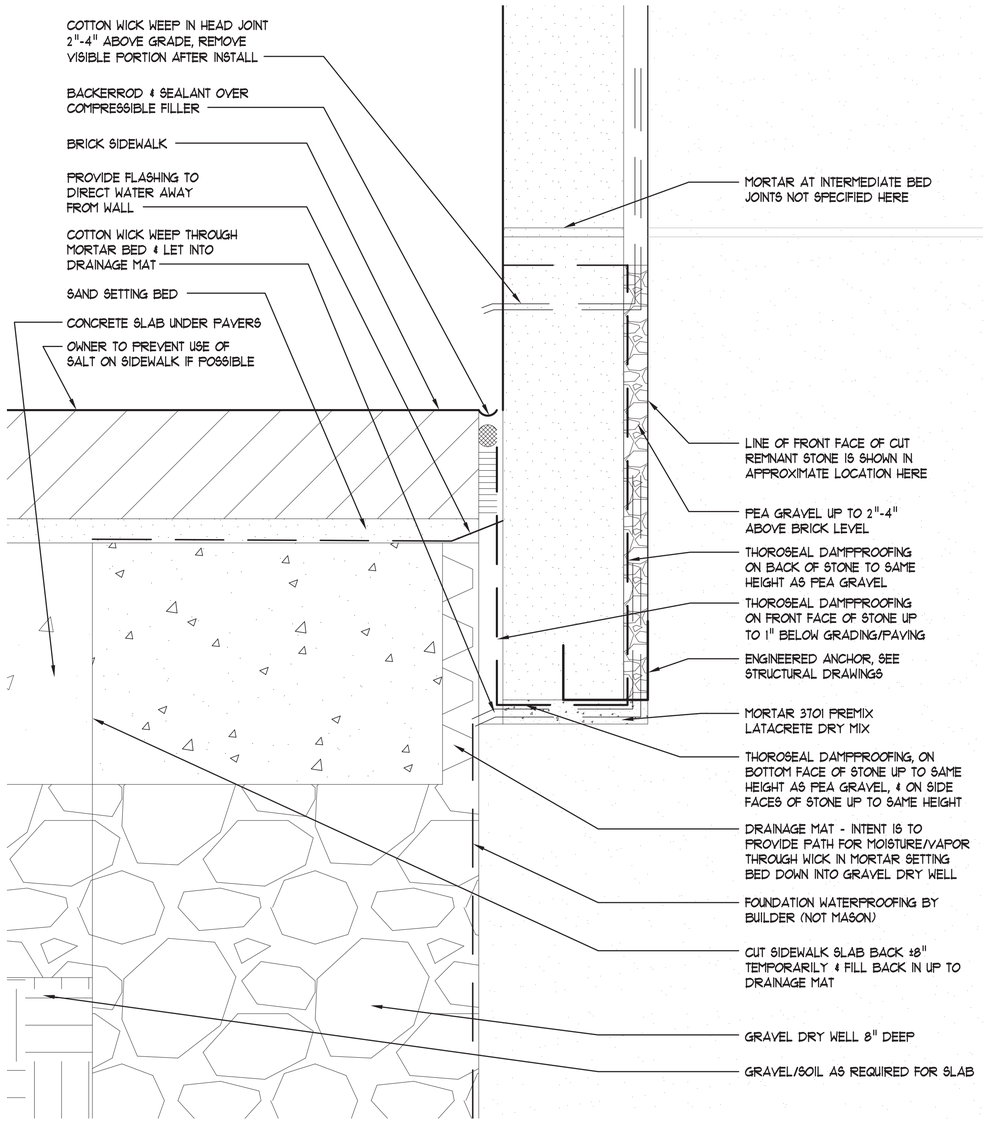

4 S851 HEAD SUPPORT WHERE INTERIOR REINFORCING CHANNEL CANNOT BE INSTALLED
SCALE: 3" = 1'-0"

STONE VENEER ANCHORAGE NOTES:

1. ¼" PINS SHALL GENERALLY BE CENTERED IN THE THICKNESS OF THE VENEER. PINS SHALL BE LOCATED 1¼" MINIMUM FROM ANY OTHER EDGE OF THE VENEER STONE. SET PINS IN LATICRETE 254 PLATINUM THINSET OR SIMILAR.
2. PINS LOCATED IN BED JOINTS SHALL BE POSITIONED BETWEEN ⅛ AND ¼ OF THE STONE PANEL LENGTH FROM EACH END OF THE VENEER PANEL. COORDINATE ANCHOR POSITIONS WITH STONES ABOVE AND BELOW.
3. ALL CLIPS, PINS, PLATES AND FASTENERS SHALL BE STAINLESS STEEL.
4. ¼" TAPCON ANCHORS SHALL BE LOCATED 1½" FROM EXISTING STONE JOINTS, AND 2" FROM EXISTING STONE EDGES. SEE DETAILS FOR MORE INFORMATION AND GENERAL ACCEPTABLE CONFIGURATIONS.
5. SEE ARCH FOR DETAILS RELATED TO WATER MANAGEMENT (WATERPROOFING, WEEPS, ETC.)
6. ALL UNEVEN SURFACES SHALL BE PREPARED PLUMB/LEVEL/SQUARE TO RECEIVE THE ANCHORAGE CONDITIONS SHOWN IN THESE DRAWINGS. SHIMMING UP TO ¼" IS ACCEPTABLE FOR THE TYPICAL CONDITION. SHIMS THICKER THAN ¼" WILL REQUIRE LONGER TAPCON ANCHORS. THE MINIMUM EMBEDMENT OF THE TAPCON ANCHOR INTO THE SANDSTONE REMNANT IS 2".
7. WHERE EPOXY IS SPECIFIED AT ROD/PIN TO STONE CONNECTIONS PROVIDE SIKA ANCHOR-FIX-3001.
8. PROVIDE SOFT JOINTS WHERE NOTED. TYPICALLY SOFT JOINTS SHALL BE PROVIDED BELOW THE ENTIRE LENGTH OF THE CAPPING STONE, AT ALL HEAD JOINTS OF THE CAPPING STONE, AND AT SPECIFICALLY LOCATIONS AT THE BASE OF WALL ADJACENT TO OPENINGS (SEPARATE MARKUP TO BE PROVIDED).


MULTI-WYTHE MASONRY WALL
REMNANT STONE
ASHLAR MASONRY REMOVED
IRON CLAMPS NOT REMOVED
FACE OF REMNANT WALL SET BY CLAMPS, STRUCTURAL CALCS, & HISTORIC/ARCH'L FACTORS


MULTI-WYTHE MASONRY WALL
NEW CUBIC WATER TABLE CAP STONE MORTARE DIRECTLY TO REMNANT STONE & SUPPORTED ON REMNANT SHELF
REF: STRUCT'L FOR SUPPORT
SOFT JOINT
NEW VENEER STONE CLIPPED TO REMNANT STONE W/ DRAINAGE PLANE
FACE OF REMNANT WALL SET BY CLAMPS, STRUCTURAL CALCS, & HISTORIC/ARCH'L FACTORS

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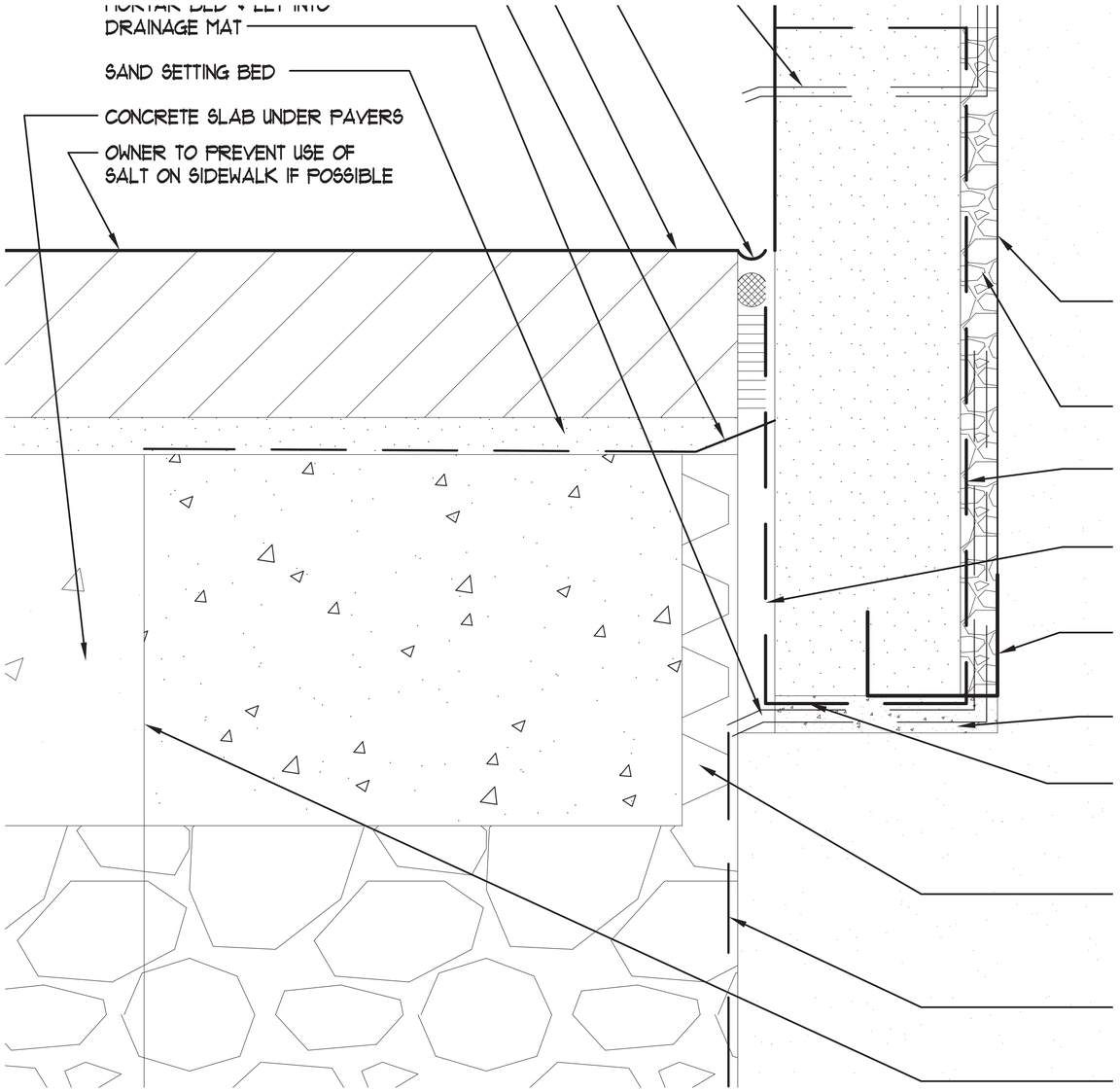
# WEEP DETAILS

## STONE WATERTABLE

bsc SCXXV 25 Years of Excellence

AUGUST 2, 2023

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# WEEP DETAILS

## STONE WATERTABLE

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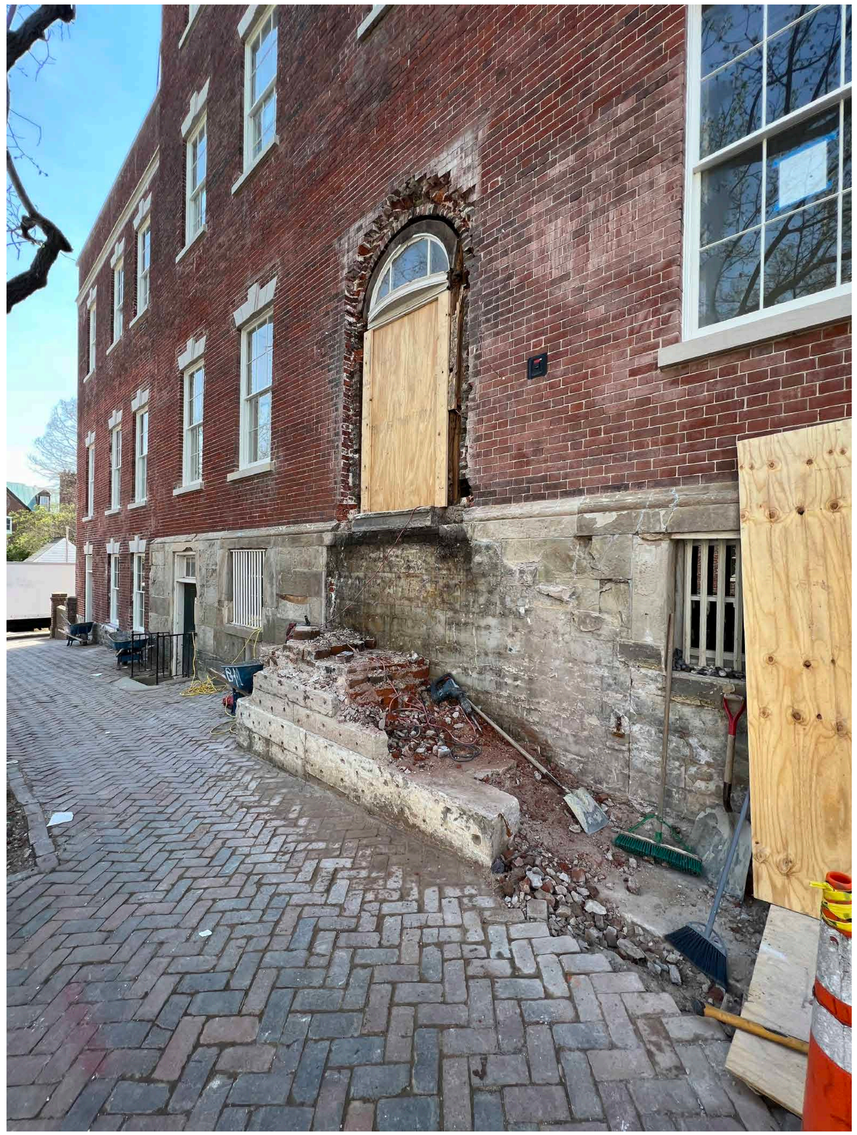
AUGUST 2, 2023



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## ORIGINAL STONE EXPOSED

## STONE WATERTABLE

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## SAW DEMO

## STONE WATERTABLE

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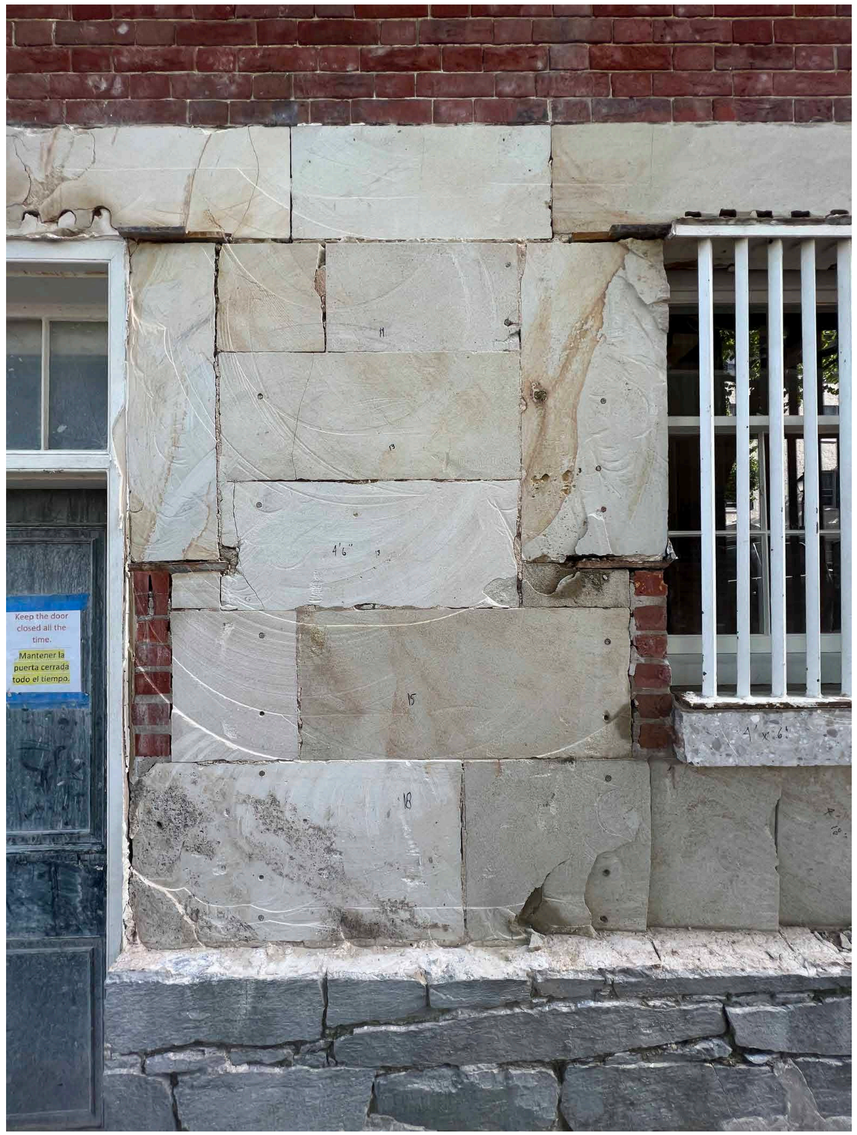

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## SAW DEMO

## STONE WATERTABLE

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## STONE LEDGE FOR VENEER TO REST ON STONE WATERTABLE

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# WATERPROOFING
## STONE WATERTABLE

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WATERPROOFING AND METAL BARS

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WATERPROOFING AND METAL BARS

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EVOLVE
STONE

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## WATERPROOFING AND METAL BARS

## STONE WATERTABLE

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## DRAINAGE PLANE
## STONE WATERTABLE

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## DRAINAGE PLANE AND STAIR CONSTRUCTION
## STONE WATERTABLE

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## STONE INSTALL WITH CLIP SYSTEM
## STONE WATERTABLE

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## STONE INSTALL WITH CLIP SYSTEM

## STONE WATERTABLE

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EVOLVE
STONE
SIDE UP

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## STONE INSTALL WITH CLIP SYSTEM

## STONE WATERTABLE

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## STONE INSTALL WITH CLIP SYSTEM

## STONE WATERTABLE

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