

EGRESS LEGEND:

XX

TRAVEL PATH AND LENGTH

XX

SUB-TOTAL OCC. EGRESS

XXX

TOTAL OCCUPANT EGRESS

CODE ANALYSIS:

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS BASE ON USE AND OCCUPANCY:

USE GROUP

SECTION 303.3 - ASSEMBLY GROUP A-2 RELIGIOUS WORSHIP

CONSTRUCTION TYPE

III-B (NONCOMBUSTIBLE)

BULK REQUIREMENTS

HEIGHT LIMITATION	REQUIRED 75'-0"	PROVIDED 35'-0"	2021 IBC NJ ED. (TABLE 504.3)
STORIES LIMITATION	3	2	2021 IBC NJ ED. (TABLE 504.4)
AREA LIMITATION	9,500 SF.	3,787 SF.	2021 IBC NJ ED. (TABLE 506.2)

CHAPTER 6 - TYPES OF CONSTRUCTION:

(TABLE 602) FIRE RESISTANT FOR BUILDING ELEMENTS - CONSTRUCTION TYPE II-B (SEPARATION DISTANCE GRATER THAN 30 FEET)

STRUCTURAL FRAME: 0 HR. (BEARING WALLS)

EXTERIOR: 0 HR.

INTERIOR: 0 HR.

FLOOR CONSTRUCTION: 0 HR.

ROOF CONSTRUCTION: 0 HR.

SHAFT ENCLOSURE: 1 HR.

CHAPTER 9 - FIRE PROTECTION SYSTEMS:

(903.2.1.2) AUTOMATIC SPRINKLER REQUIRED FOR GROUP A-2 OCCUPANCY MORE THAN 100 PERSONS.

CHAPTER 10 - MEANS OF EGRESS:

PLAN & SPECIFICATION OF EGRESS: SHEET (A 001).

OCCUPANT LOAD: (TABLE 1004.5)

MAIN LEVEL: 160 PEOPLE

SUB-LEVEL: 108 PEOPLE

TOTAL: 268 PEOPLE (FOR EGRESS PUPOSES ONLY)

TYPE AND LOCATION OF EGRESS: ASSEMBLY (A-2) BUILDING WITH - 2 EXISTS.

MAXIMUM LENGTH OF EGRESS TRAVEL (TABLE 1017.2-IBC2018) 250'-0".

ACTUAL MAXIMUM LENGTH OF EGRESS TRAVEL 40'-0".

NUMBER OF EXISTS (1006.3.2-IBC2018) REQUIRED 3 PROVIDED 3

EXIST ACCESS PASSAGEWAYS AND CORRIDORS

MINIMUM WIDTH (1020.2) 72" 85"

DEAD ENDS (1018.4) 20'-0" 0'-0"

CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.1) 0 HR. 0 HR.

MEANS OF EGRESS DOORWAYS (1009) 0 HR. 0 HR.

PANIC HARDWARE YES YES

STAIRWAYS (1009)

WIDTH (1009.1) 44" MIN. 48 MIN.

HEADROOM (1011.3) 80" 80"

TREADS AND RISERS (1009.4.2)

RISERS 7" MAX. 7"

TREADS 11" MIN. 11"

VERTICAL EXIT STAIRWAY ENCLOSURES (1022)

GUARDS (1015) YES YES

HEIGHT (1015.3) 42" 42"

OPENING LIMITATIONS 4" 4"

HANDRAILS (1014) YES YES

HEIGHT 34"-38" 36"

HANDRAIL GRASPABILITY (1014.3) 1.5" 1.5"

HANDRAIL EXTENSIONS (1014.6) 12" MIN. 12"

PROJECTION (1014.8) 4.0" MAX. 4"

STAIRWAY TO ROOF () - VARIANCE REQUIRED

SHIP LADDER AND ROOF HATCH PROVIDED IN STAIR #1 AND #2

SEE NOTE DWG. A103 ROOF PLAN.

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (IPC-2021, TABLE 403.1)

USE GROUP	DESCRIPTION	NO. OF PERSONS OF EACH SEX	WATER CLOSETS (URINALS)		LAVATORIES		DRINKING FASILITY
			MALE	FEMALE	MALE	FEMALE	
A2	RESTAURANT	1 - 75	1	1	1	1	1 PER 500
		75 - 150	1	1	1	1	
TOTAL REQUIRED			2	2	2	2	1
TOTAL PROVIDED			12	12	12	12	1

TOTAL OCCUPANT LOAD :268 OCCUPANTS.

OCCUPANT LOADS ATTRIBUTED TO EXIT

EXIST DOOR

REQUIRED STAIR WIDTH

OPENING CAPACITY

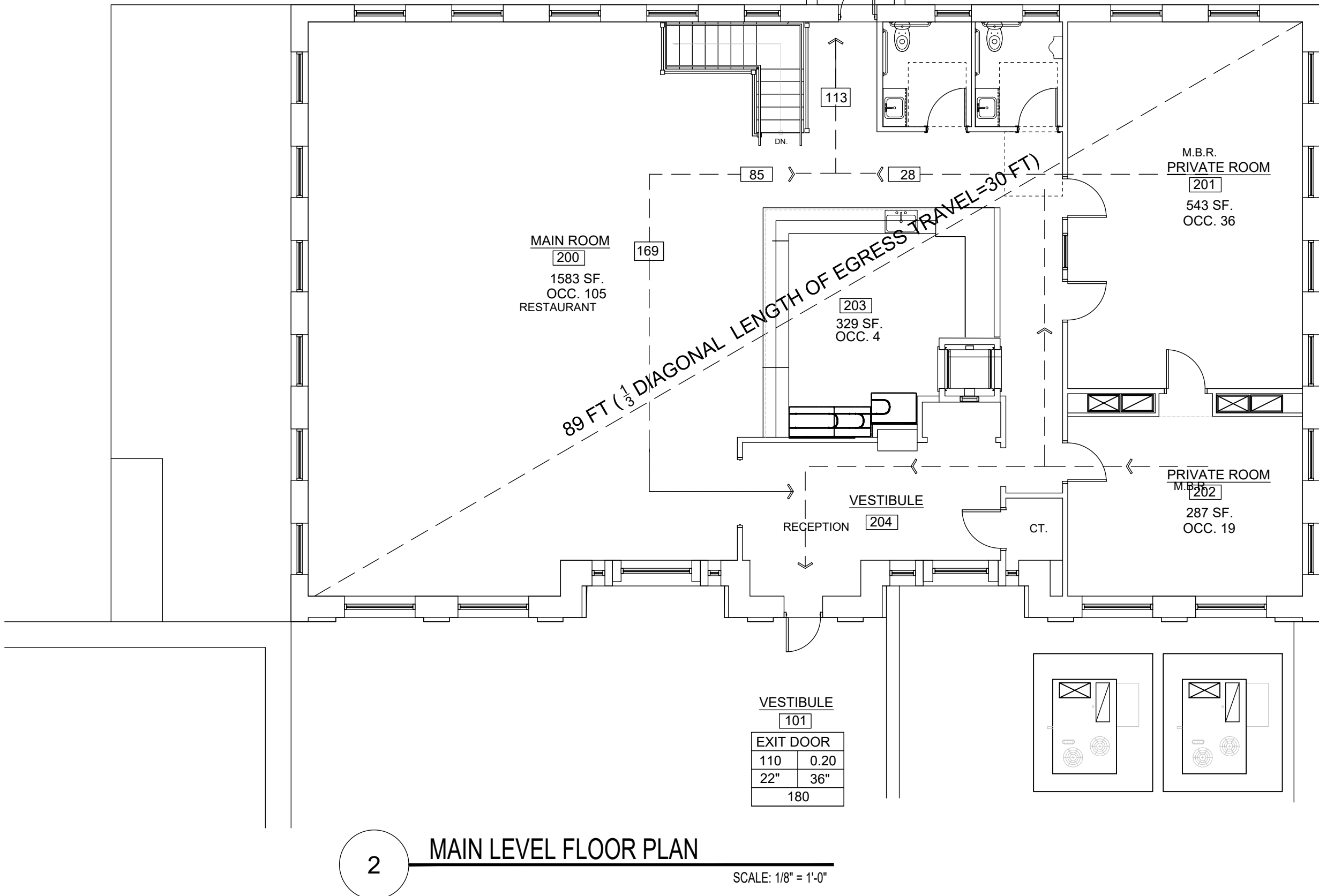
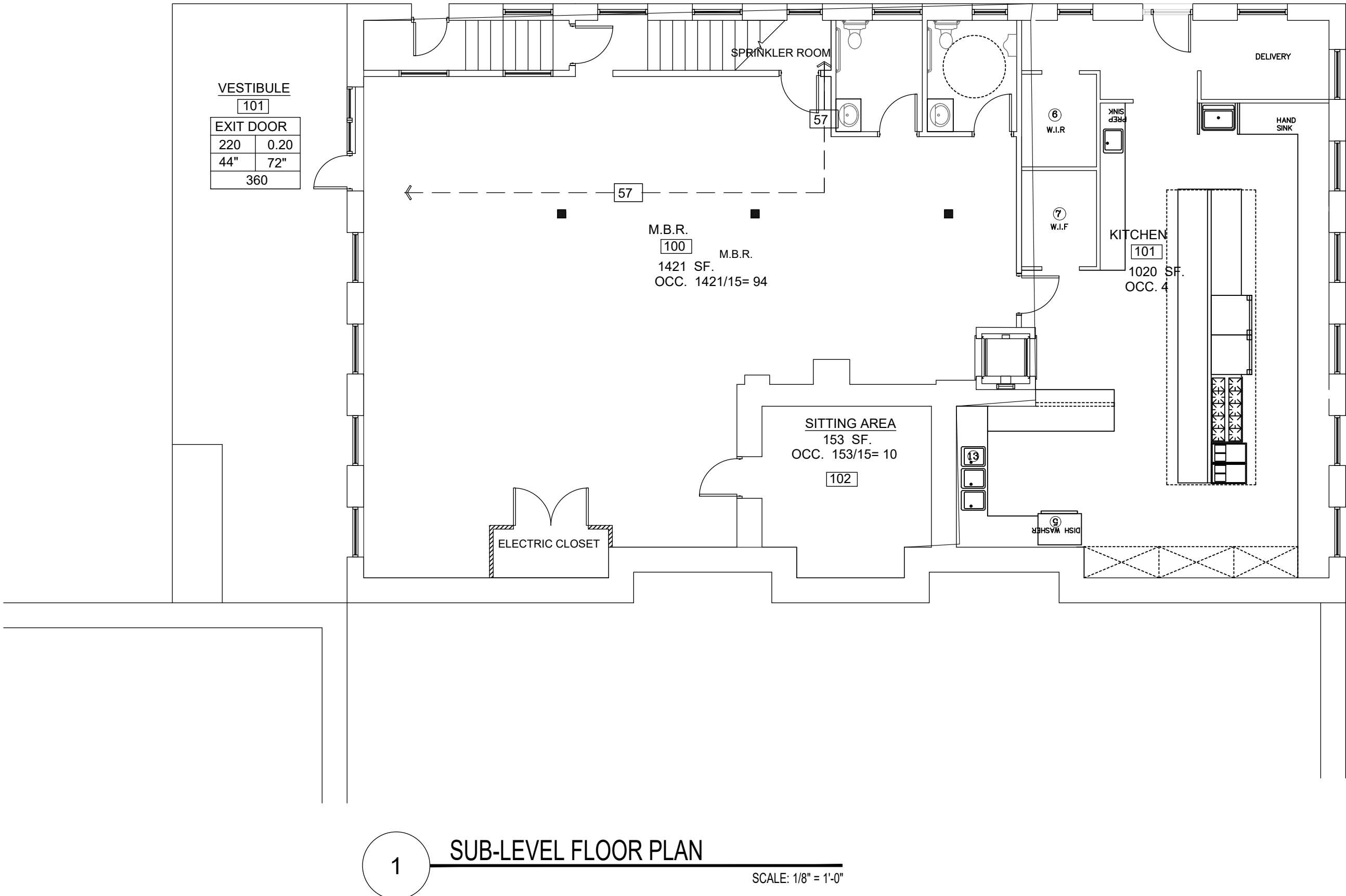
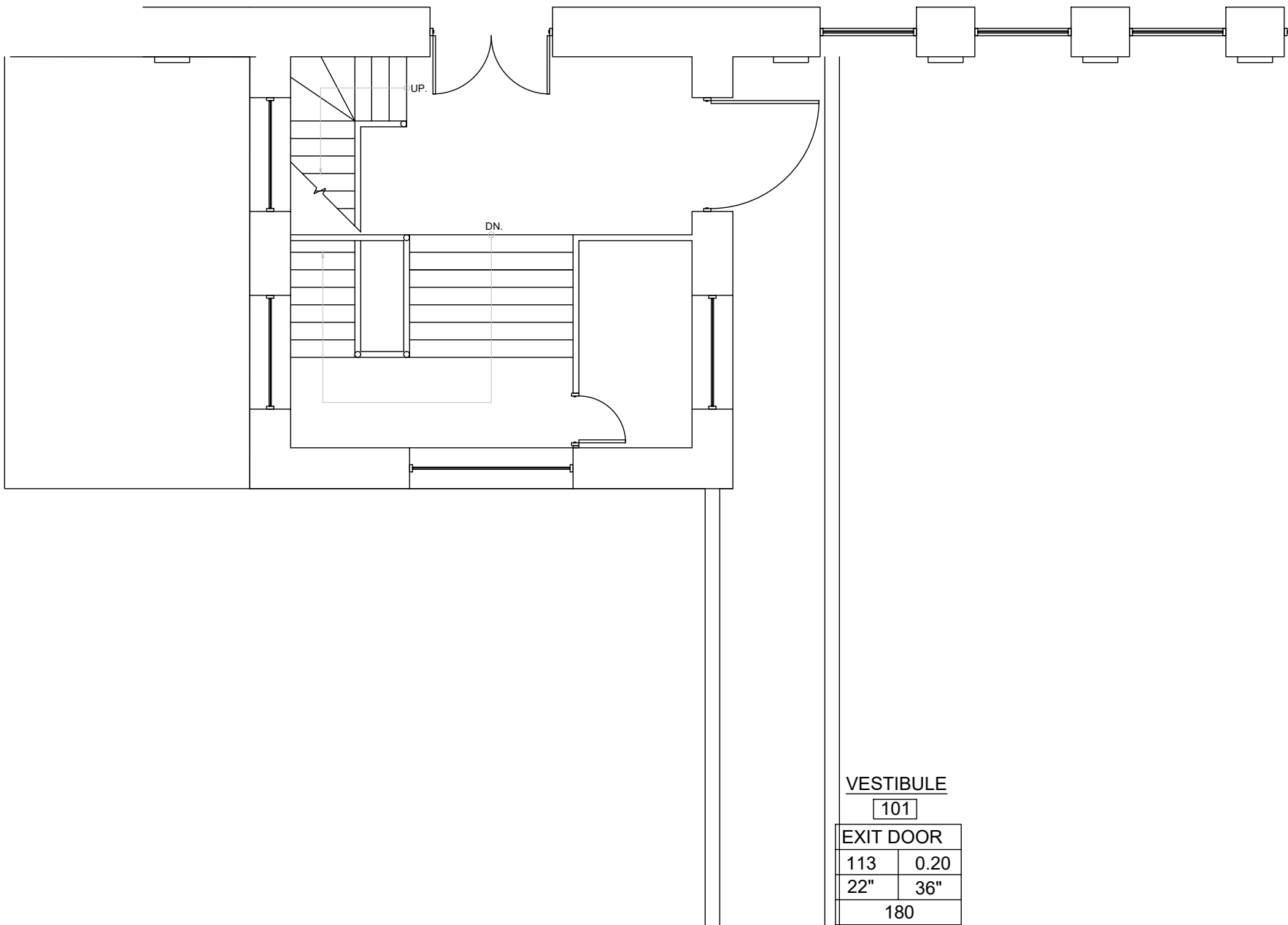
WIDTH PER OCCUPANT LOAD FACTOR (1005.1) 0.20 SPRINKLER

PROVIDED CLEAR OPENING WIDTH

SEMI-RECESS WALL MOUNTED FIRE EXTINGUISHER 2-A-10-B-C CABINET WHITE FINISH (1 PER 3,000 SF.)

WALL MOUNTED FIRE 2-A-10-B-C FIRE EXTINGUISHER (1 PER 3,000 SF.)

CEILING/WALL MOUNTED ILLUMINATED EXIT SIGN WITH BATTERY BACKUP. SHADING INDICATES ILLUMINATED FACE & ARROW INDICATED THE DIRECTION OF EGRESS. MOUNTED ON UNDERSIDE OF SOFFIT WHERE REQUIRED FOR INTENDED VISIBILITY



PROGRESS SET - FOR REVIEW

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PROJECT NAME:

SOUTH MILL
FORMER PONEMAH MILLS
NORWICH AVENUE
TAFTVILLE, CT

OWNER:

555 SOUTH MILL , LLC

RELEASE STATUS OF DRAWING

DATE:

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EGRESS PLAN
CODE ANALYSIS

REVISIONS

NO

DATE

DWN

CHK

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DEMOLITION PLANS
AND ELEVATIONS[illegible]

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A-100



- A. DEMOLITION OF STRUCTURE: STEEL, ROOFING MASONRY WALL, FOUNDATION, CONC. FOOTING, PARTITIONS, DOORS, CEILINGS AND GRID AS SHOWN ON THE DEMOLITION PLANS.
- B. DISCONNECTION, CAPPING AND REMOVAL OF UTILITIES. DEMOLITION WORK SHALL NOT BEGIN UNTIL MECHANICAL AND ELECTRICAL TRADES HAVE IDENTIFIED AND MADE PROVISIONS FOR BOTH CONCEALED AND EXPOSED SERVICES AND UTILITIES WHICH WILL REMAIN RELOCATED OR TERMINATED .
- C. POLLUTION CONTROL DURING BUILDING DEMOLITION
- D. REMOVAL AND LEGAL DISPOSAL OF MATERIALS.
- E. RELOCATION OF EXISTING EQUIPMENT AS SPECIFIED BY THE OWNER.
- F. EXISTING WALLS ARE NOT SHEAR OR LOAD BEARING WALL AS PER OWNER INFORMATION. CONTRACTOR SHALL CONTACT STRUCTURAL ENGINEER OR THE ARCHITECT FOR INSPECTION PRIOR OF ANY WALL REMOVAL.

- A. REMOVAL OF ABANDONED UTILITIES AND WIRING SYSTEMS.
- B. NOTIFICATION TO OWNER OF SCHEDULE OF SHUT OFF OF UTILITIES WHICH SERVE OCCUPIED SPACES.
- C. REMOVAL AND LEGAL DISPOSAL OF MATERIALS.
- D. REMOVE TELEPHONE OUTLETS AND PULL CABLE TO CEILING. NEATLY COIL CABLE AND LEAVE HANGING FROM CEILING SUPPORT STRUCTURE. REMOVE ELECTRICAL CIRCUITS BACK TO NEAREST JUNCTION BOX.

A. REMOVAL OF ASBESTOS OR MATERIALS CONTAINING ASBESTOS .

B. REMOVAL OF HAZARDOUS MATERIALS.

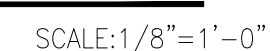
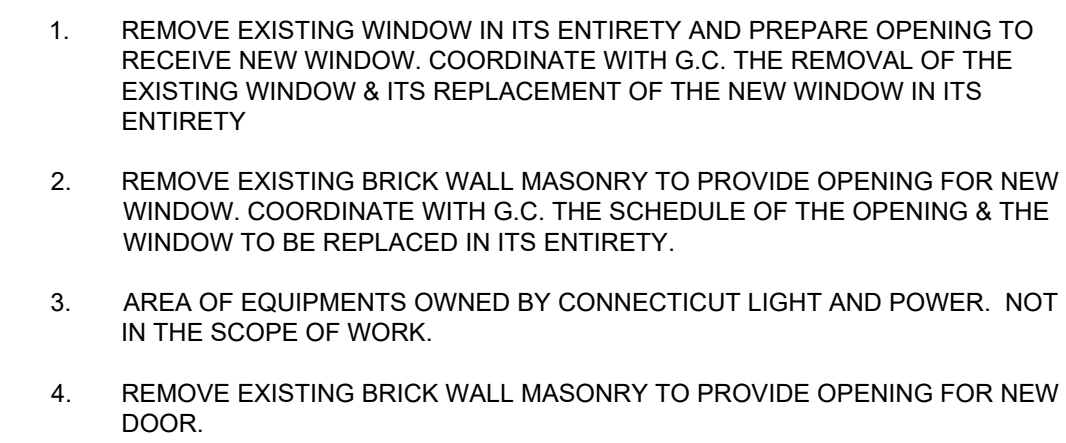
A. WHEN THE NATURE OF DEMOLITION WORK REQUIRES THE USE, ERECT AND MAINTAIN DUST CHUTES FOR THE DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS.

B. REMOVE SALVAGE AND DEBRIS FROM THE SITE AS IT ACCUMULATES. DO NOT STORE, SELL, BURN OR OTHERWISE DISPOSE OF DEBRIS ON THE SITE. (REMOVAL OF DEBRIS INCLUDES CLEARING OF BASEMENTS AND SILLAGE EXCAVATIONS). REMOVE ALL MATERIAL IN SUCH MANNER AS TO PREVENT SPILLAGE. KEEP ALL PAVEMENTS AND AREAS ADJACENT TO AND LEADING FROM THE SITE, CLEAN AND FREE OF MUD, DIRT, AND DEBRIS AT ALL TIMES. 5.PROTECTION

A. EXECUTE DEMOLITION WORK TO ENSURE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY SETTLEMENT, FALLING DEBRIS, OR CAUSES IN CONNECTION WITH THIS WORK.

B. ALL WORK SHALL COMPLY WITH RULES AND REGULATIONS OF ALL LOCAL AND STATE, AGENCIES AND AUTHORITIES HAVING JURISDICTION. . OBTAIN AND PAY FOR ALL PERMITS REQUIRED

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DEMOLITION PLANS AND ELEVATIONS

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1ST FLOOR PLAN

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2ND FLOOR PLAN

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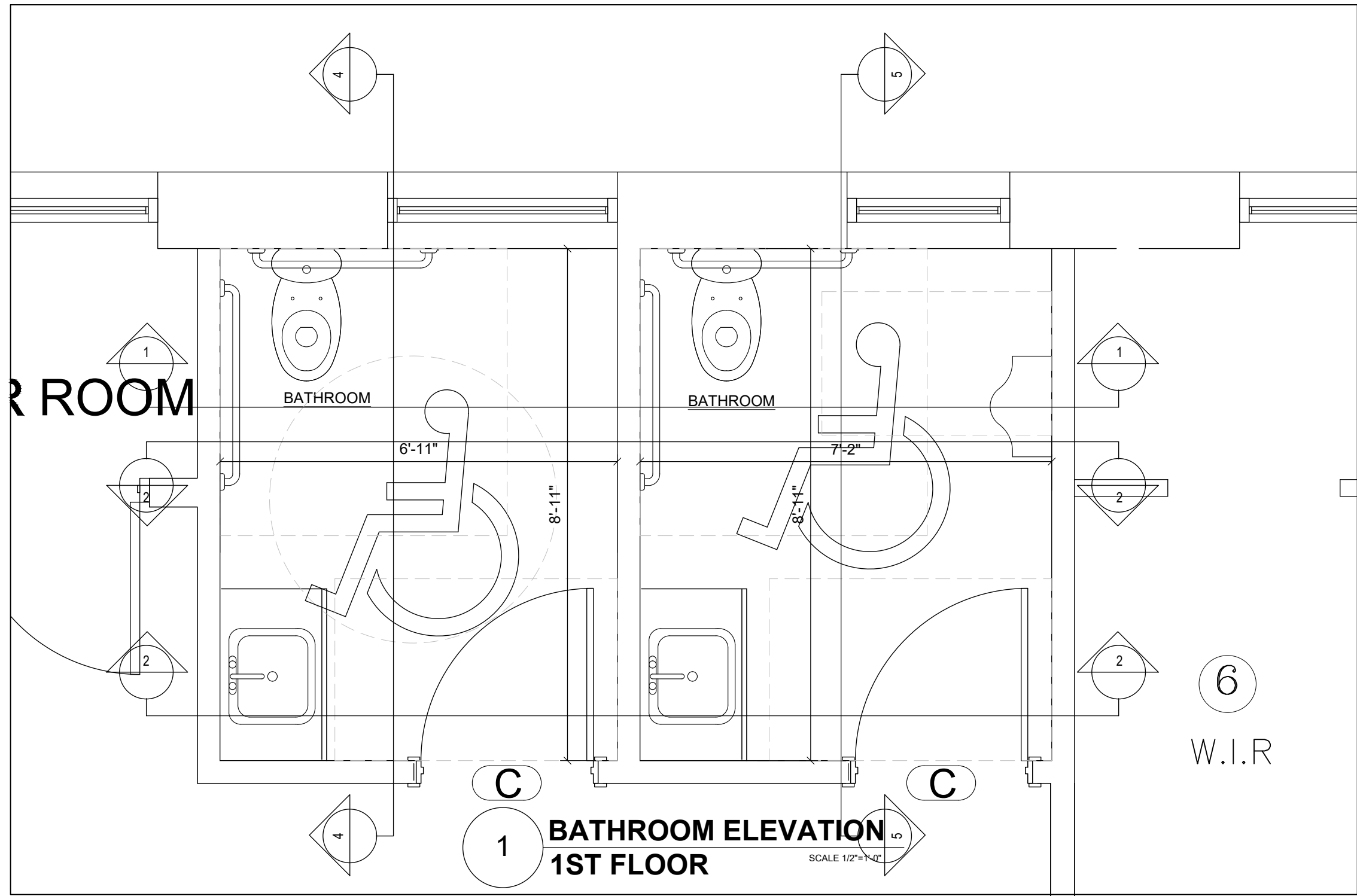
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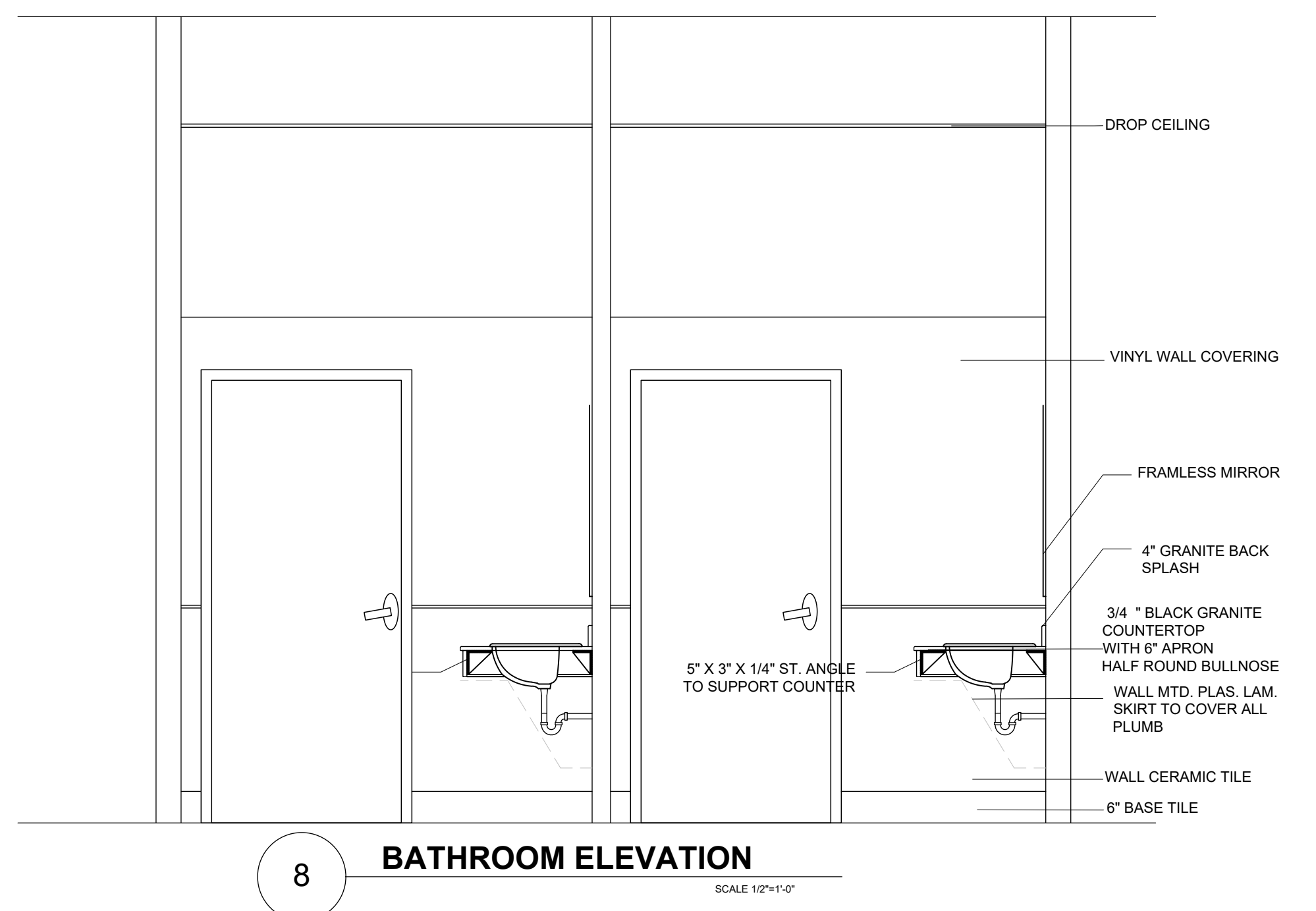
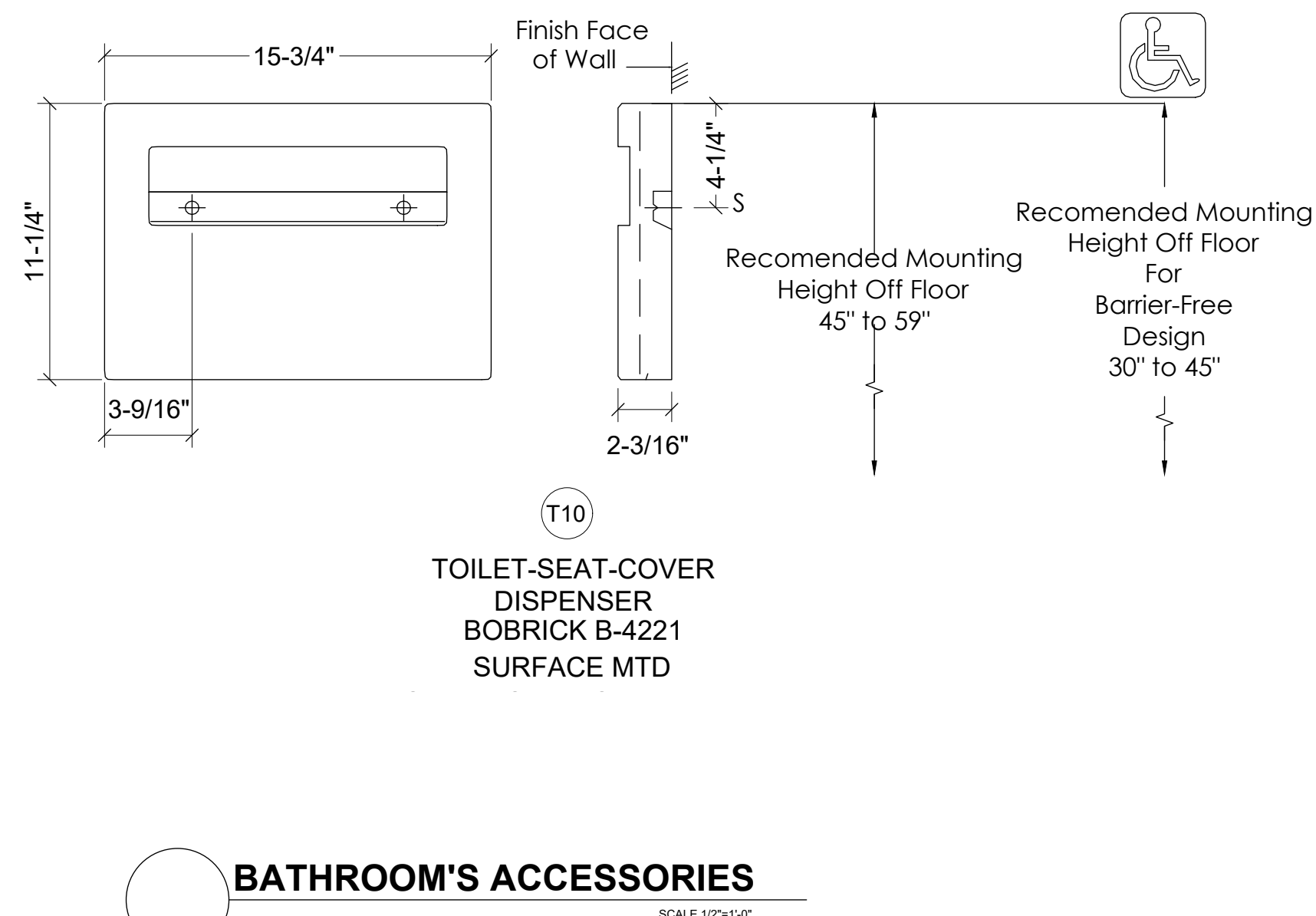
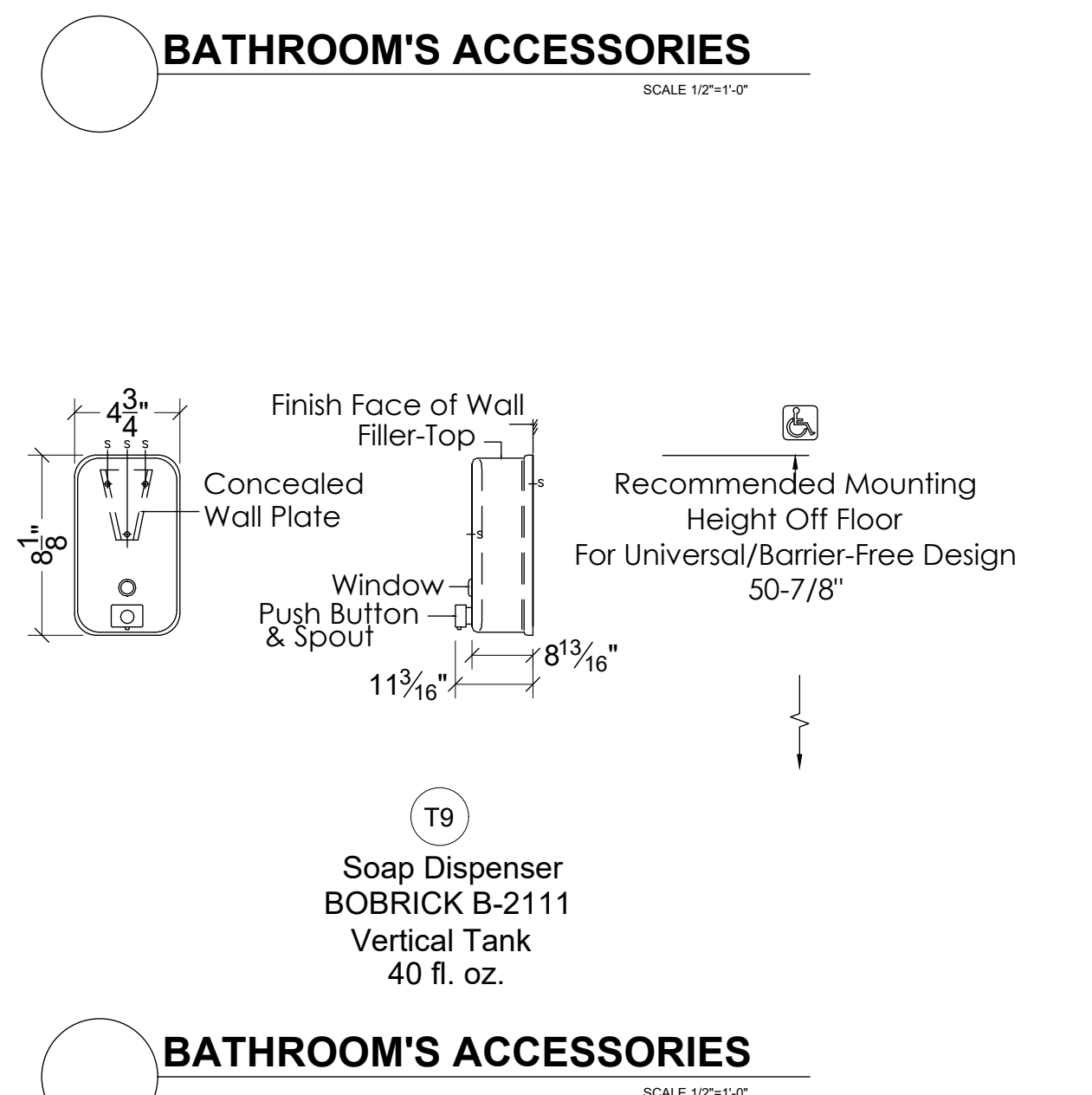
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DRAWING TITLE

BATHROOM ELEVATIONS AND DETAILS

[illegible]

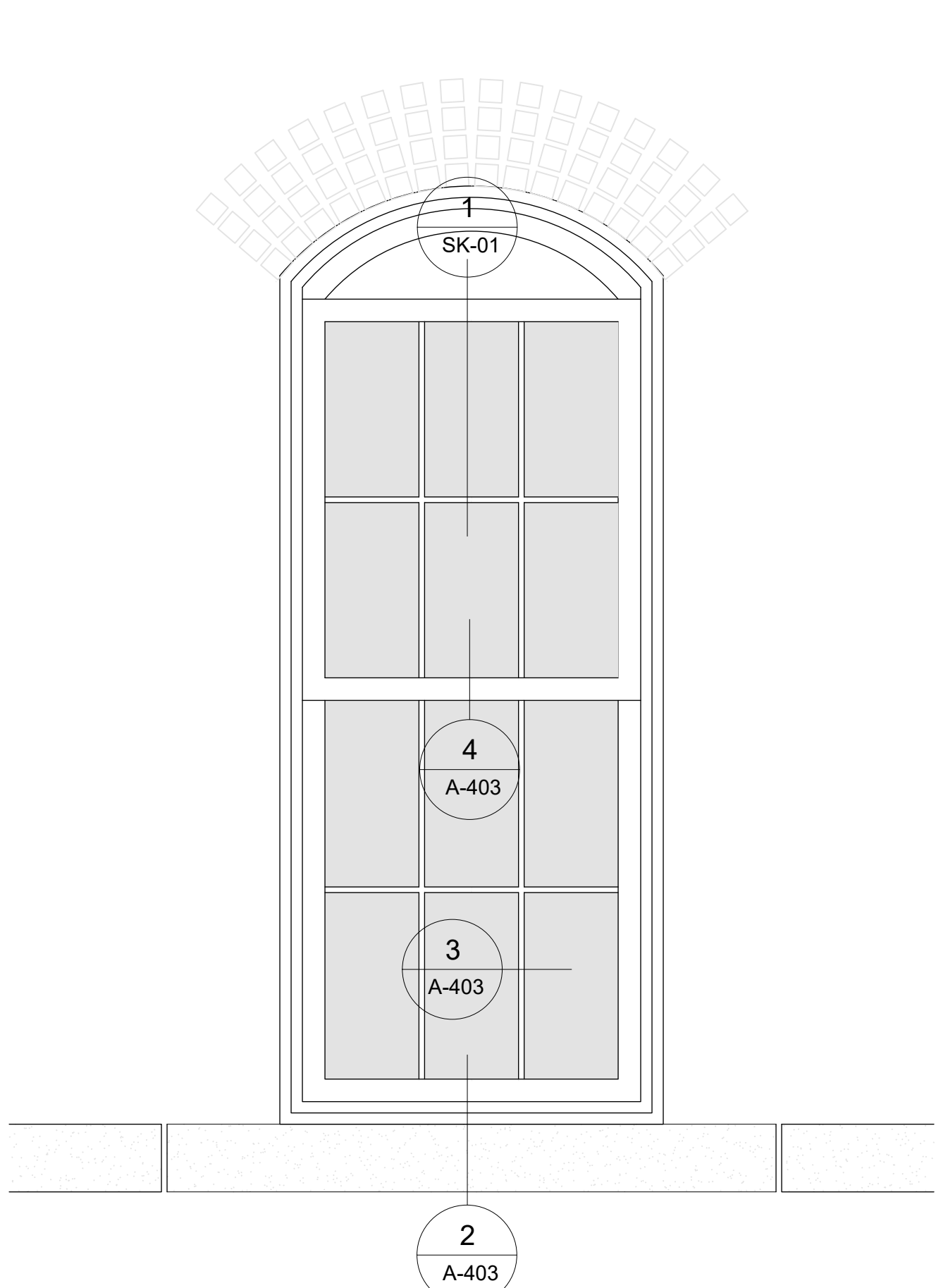
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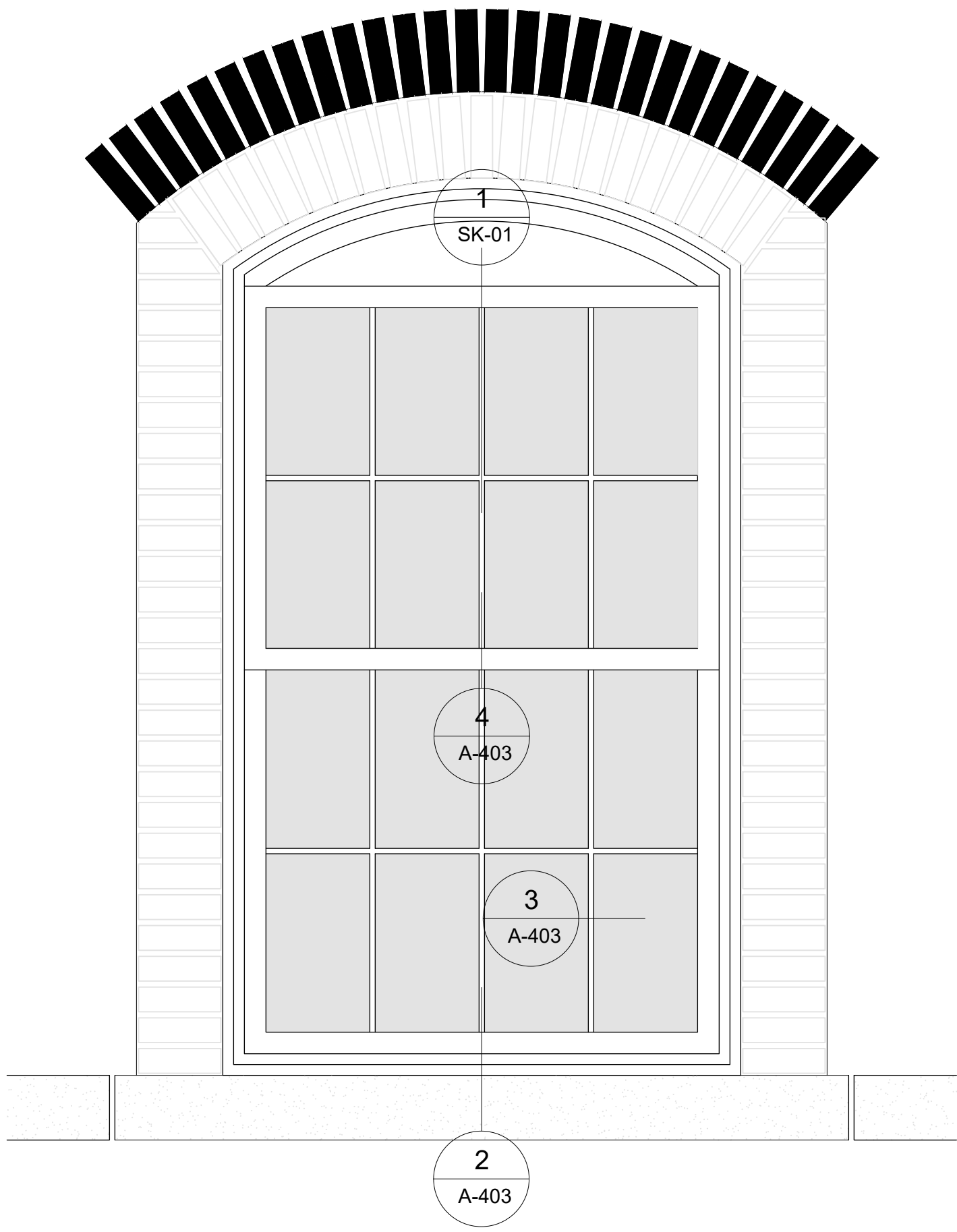
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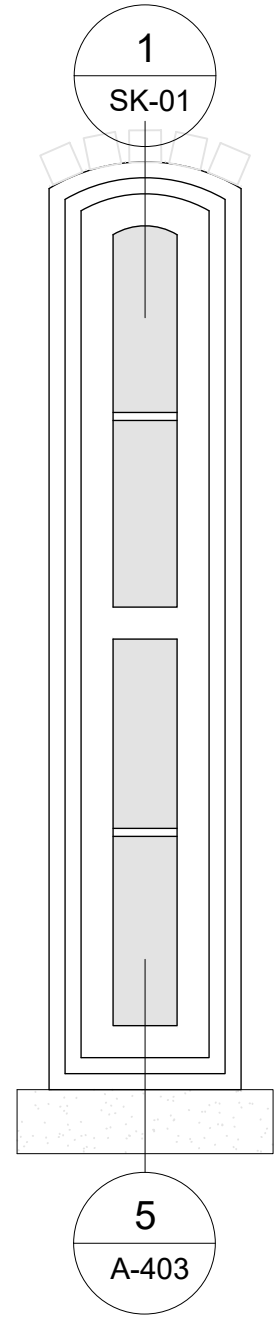
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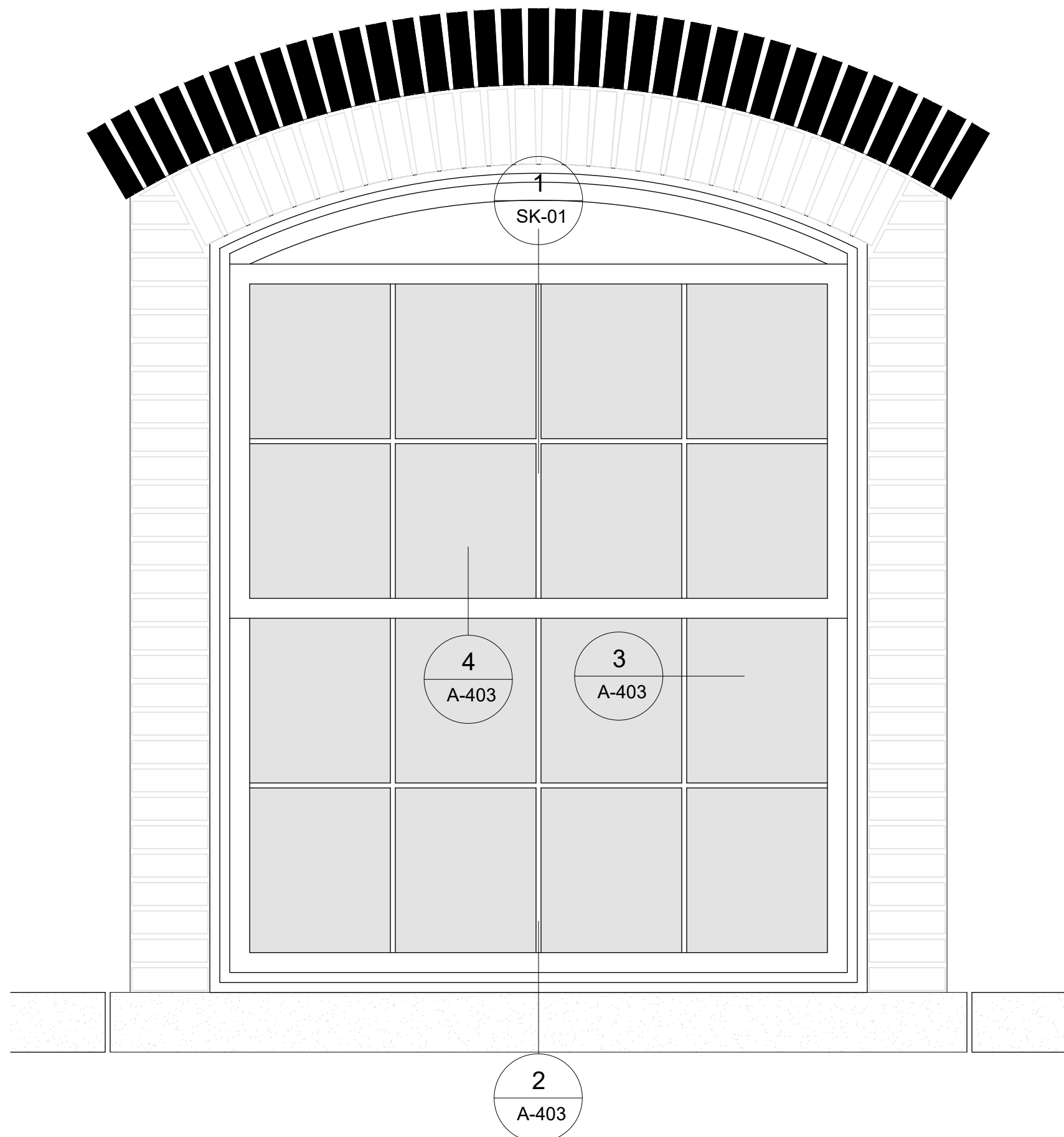
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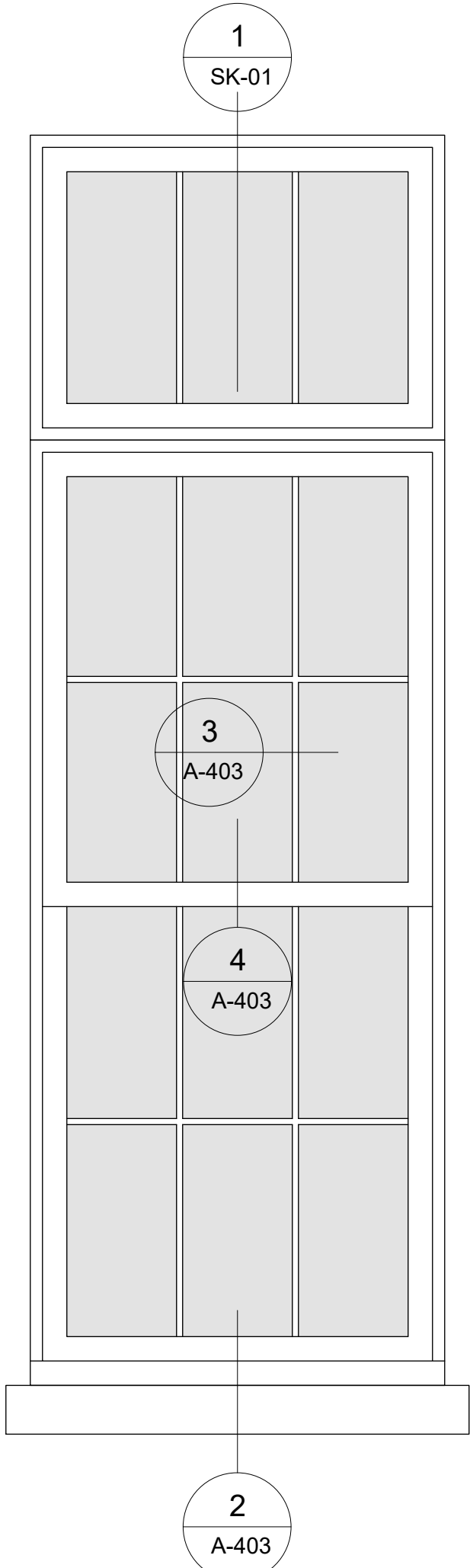
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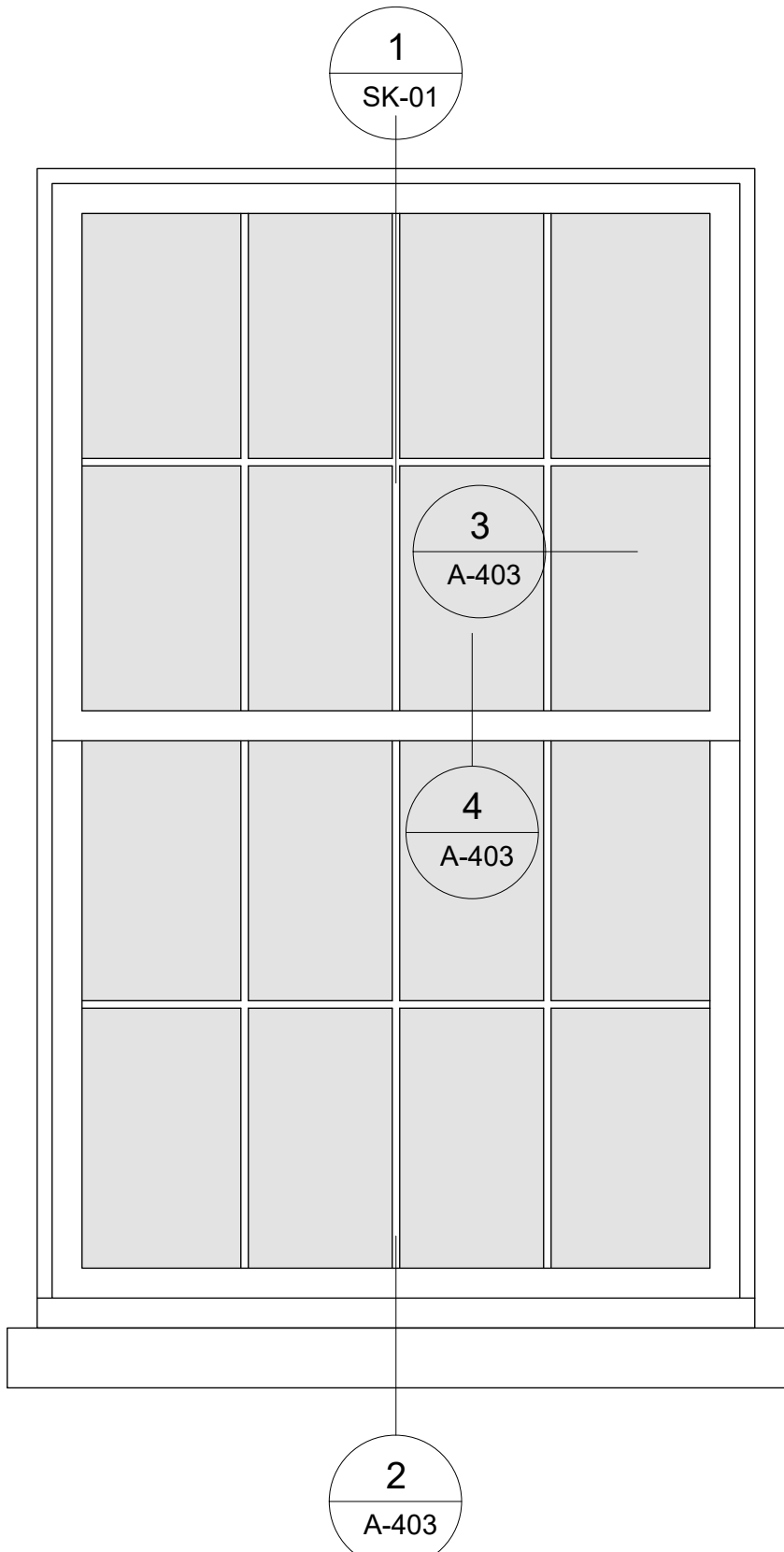
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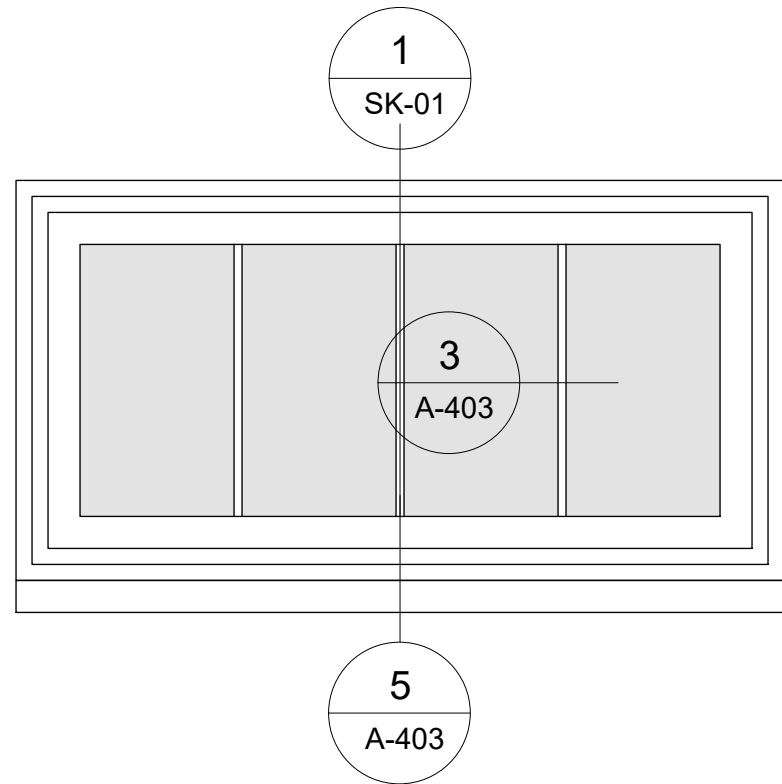
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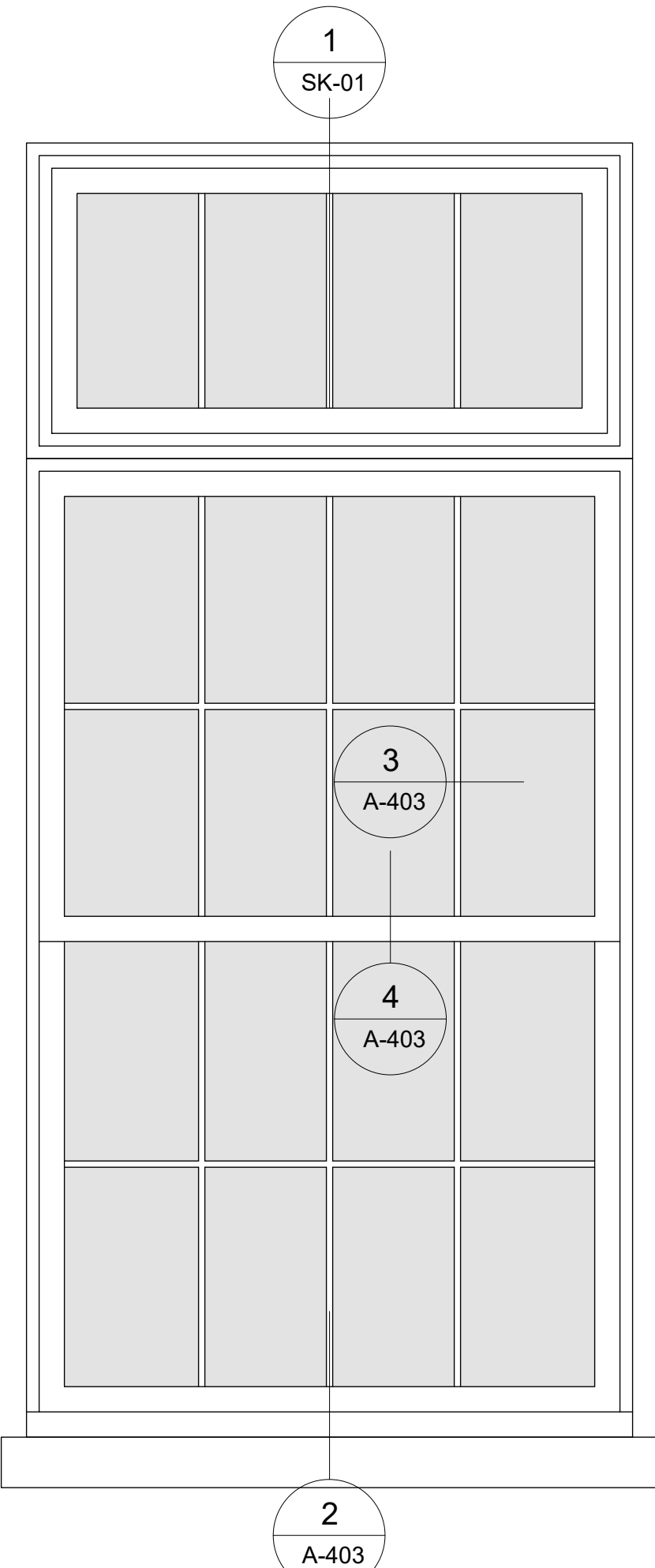
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EXISTING HISTORIC WINDOW - TYPE 'F' - ELEVATION
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EXISTING HISTORIC WINDOW - TYPE 'G' - ELEVATION
SCALE:1"=1'-0"



EXISTING HISTORIC WINDOW - TYPE 'H' - ELEVATION
SCALE:1"=1'-0"

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OWNER:

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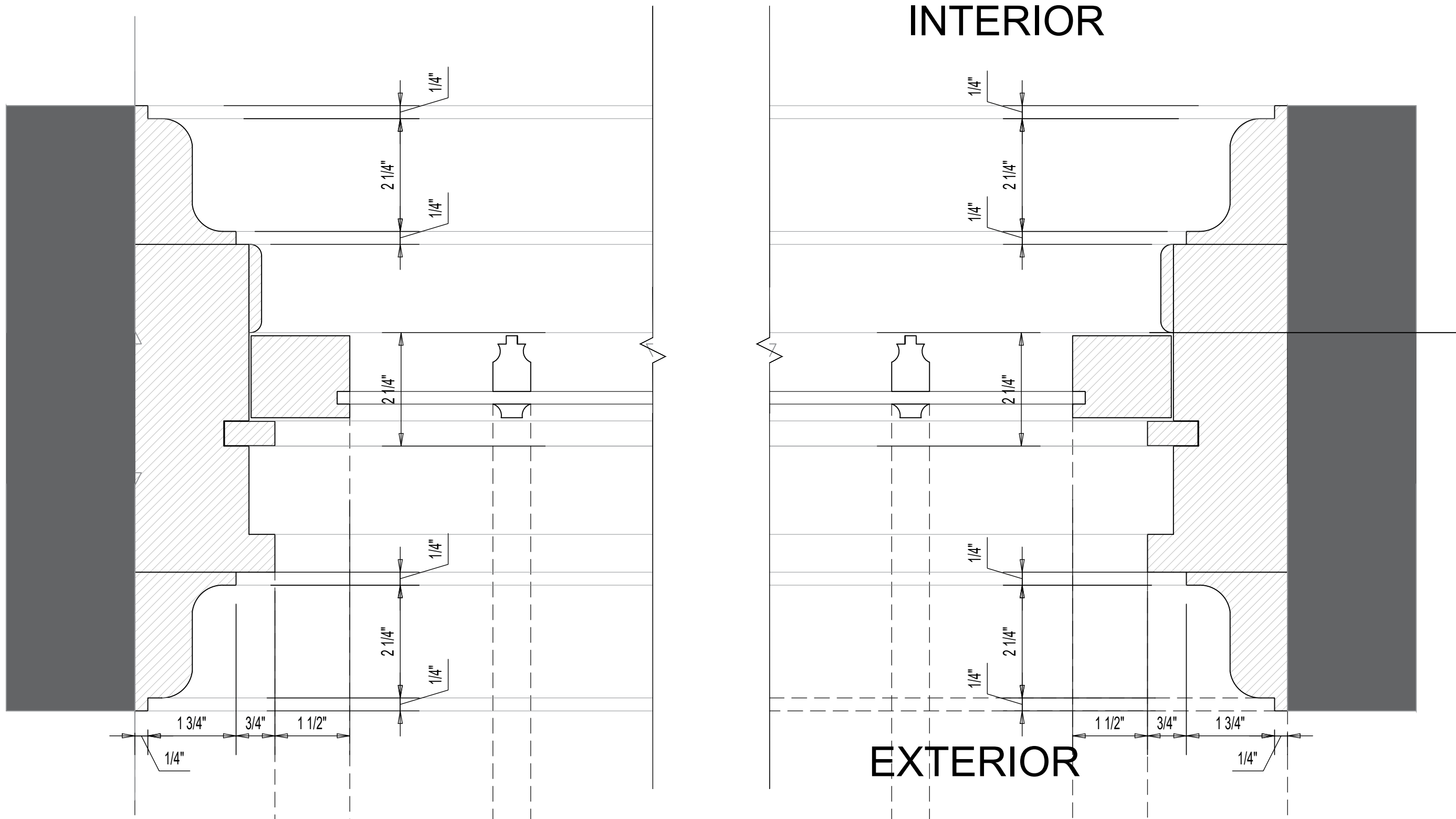
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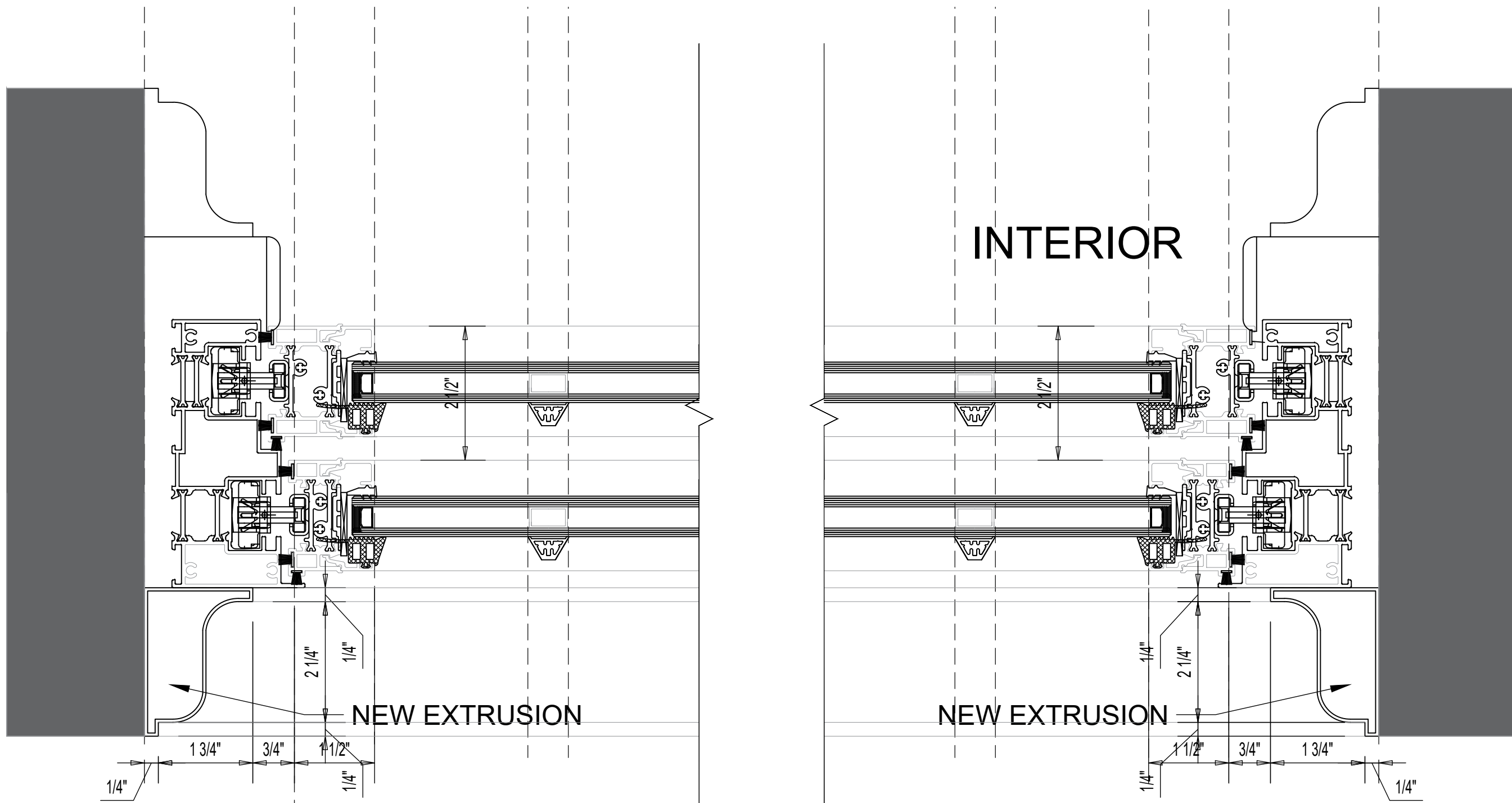
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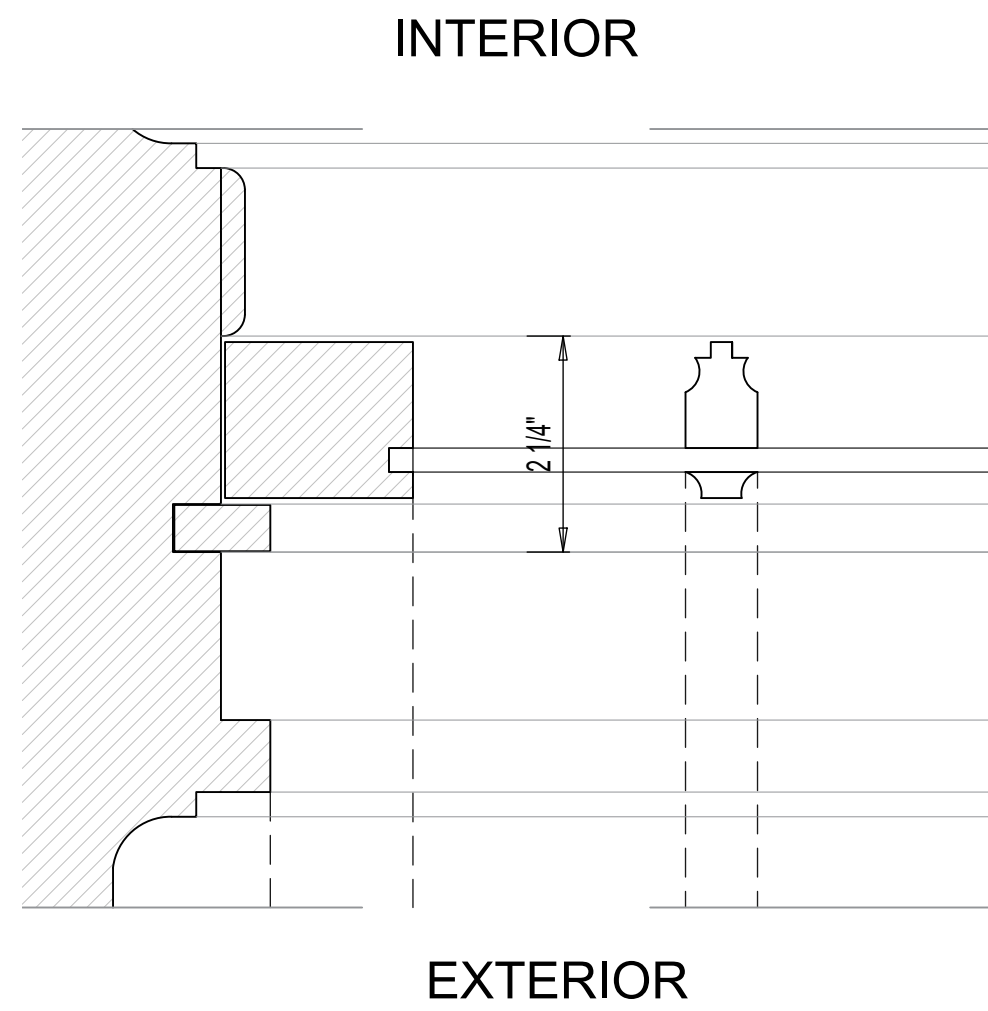
1 HISTORIC WINDOW - EXISTING WINDOW JAMB

SCALE:6"=1'-0"



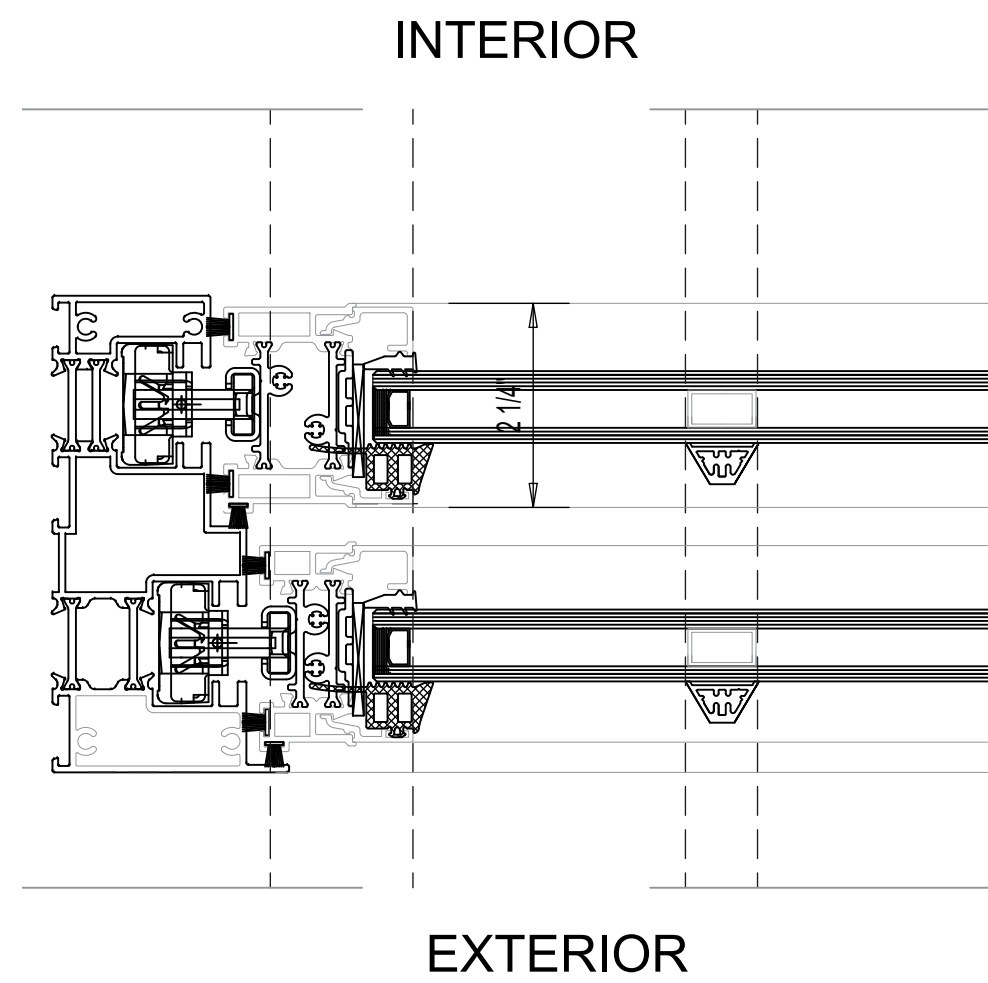
1 HISTORIC WINDOW - PROPOSED WINDOW JAMB

SCALE:6"=1'-0"



3 HISTORIC WINDOW - EXISTING MULLION DETAIL

SCALE:6"=1'-0"



3 HISTORIC WINDOW - PROPOSED MULLION DETAIL

SCALE:6"=1'-0"

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A-403.2



EXISTING MASONRY WALL

4"

2

2 3/4

1 HISTORIC WINDOW - EXISTING WINDOW HEAD DETAIL

SCALE: 6" = 1'-0"

INTERIOR

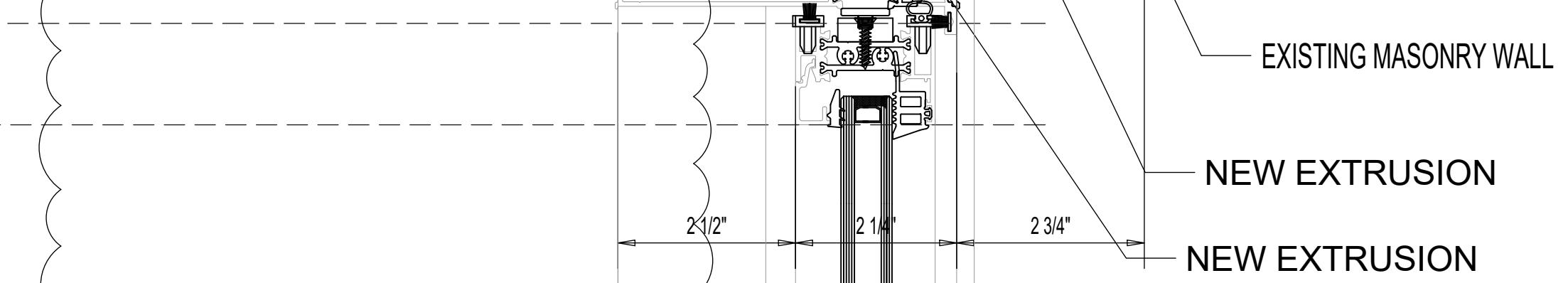
EXTERIOR

4 HISTORIC WINDOW - EXISTING WINDOW CONNECTION DETAIL

SCALE: 6" = 1'-0"

3 HISTORIC WINDOW - EXISTING WINDOW SILL DETAIL

SCALE: 6" = 1' - 0"



— EXISTING MASONRY WALL

— NEW EXTRUSION

NEW EXTRUSION

1 HISTORIC WINDOW - PROPOSED WINDOW HEAD DETAIL

SCALE: 6" = 1'-0"

INTERIOR

EXTERIOR

4 HISTORIC WINDOW - PROPOSED WINDOW CONNECTION DETAIL

SCALE: 6" = 1'-0"

3 HISTORIC WINDOW - PROPOSED WINDOW SILL DETAIL

SCALE: 6" = 1'-0"

NEW EXTRUSION
IF NECESSARY



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PROGRESS SET - FOR REVIEW



SCALE: 6"=1'-0"



SCALE: 6"=1'-0"



SCALE: 6" = 1' - 0"



SCALE: 6" = 1' - 0"

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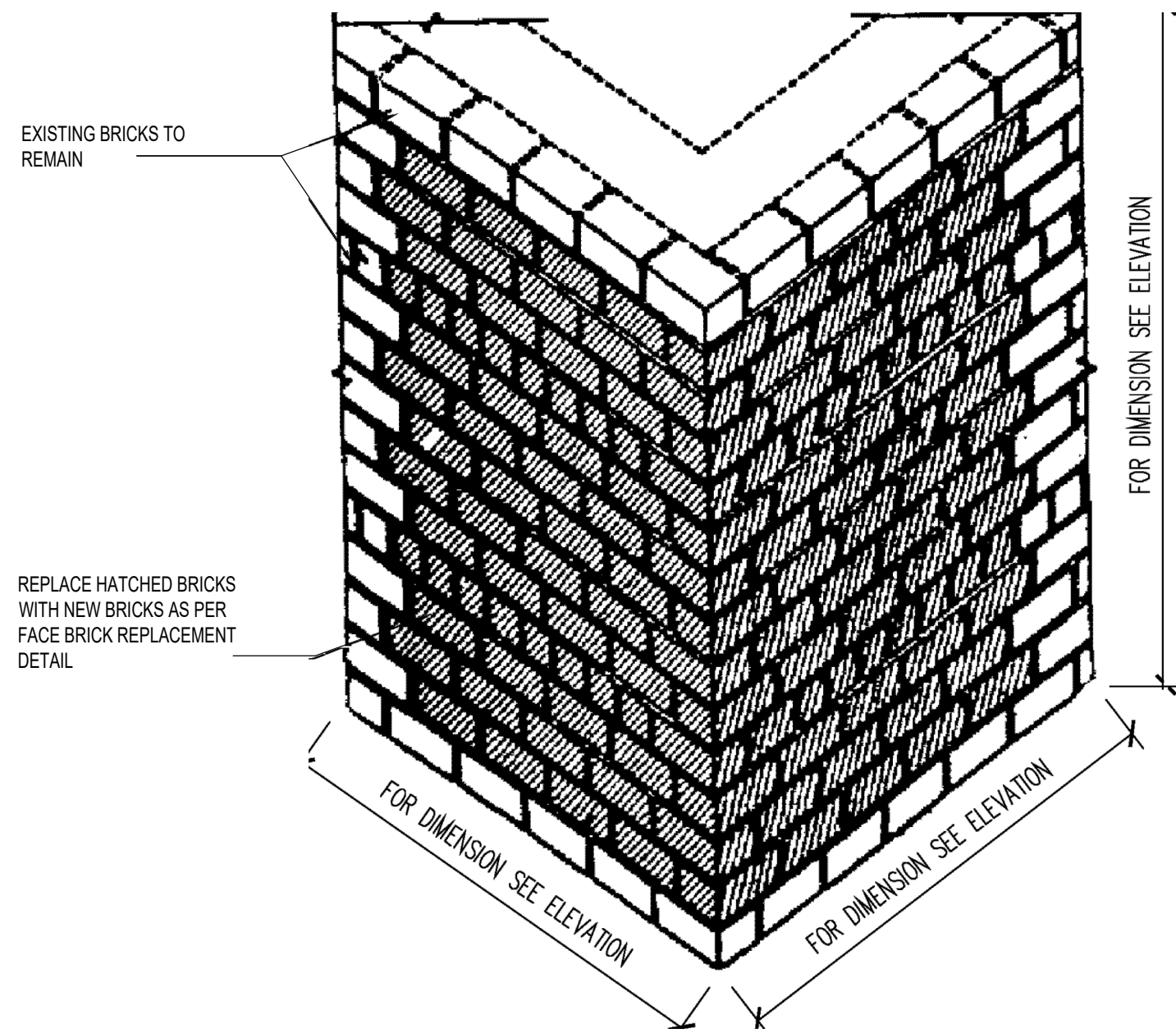
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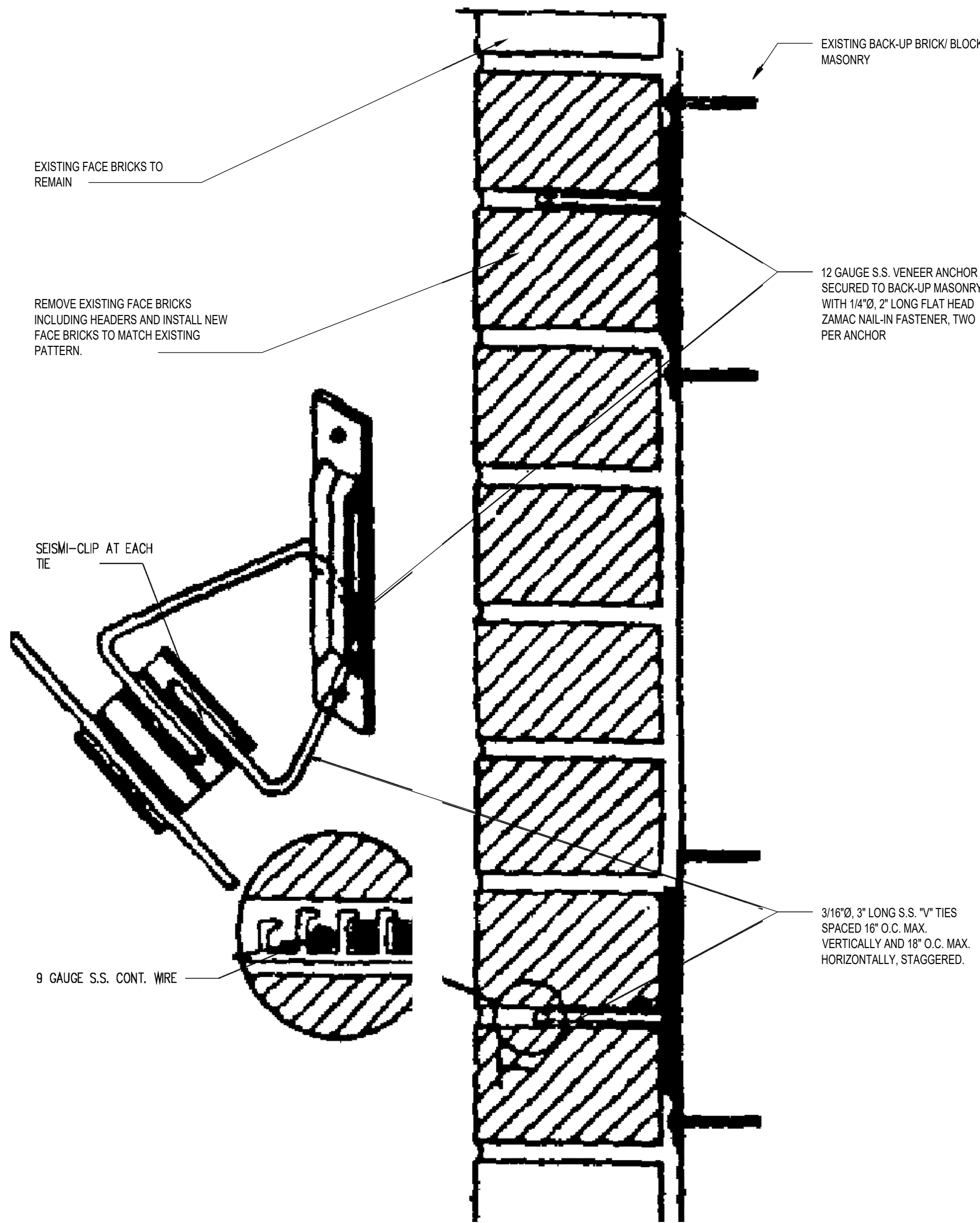
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1 CORNER BRICK FACE (ONLY) REPLACEMENT (PARTIAL REPLACEMENT)

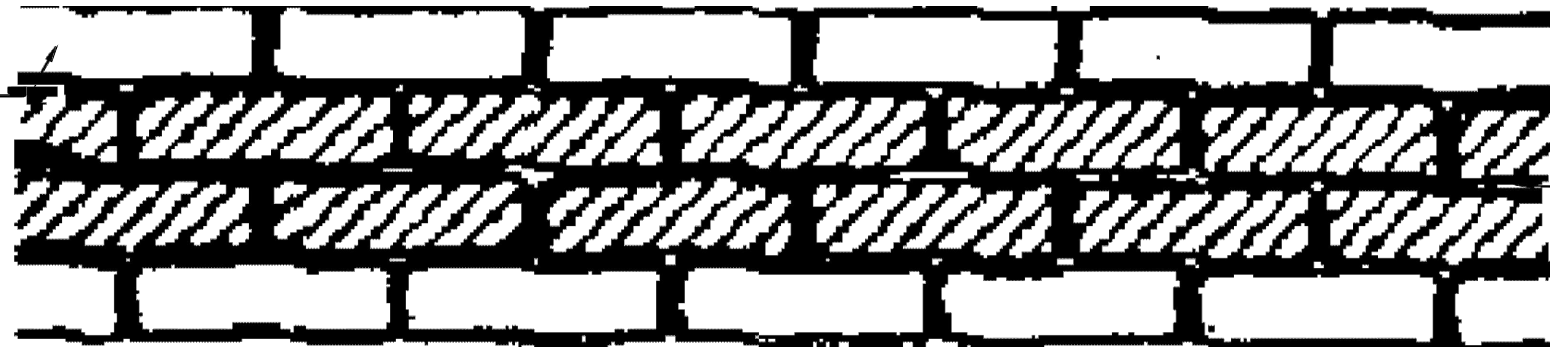
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3 BRICK FACE (ONLY) REPLACEMENT SECTION DETAIL

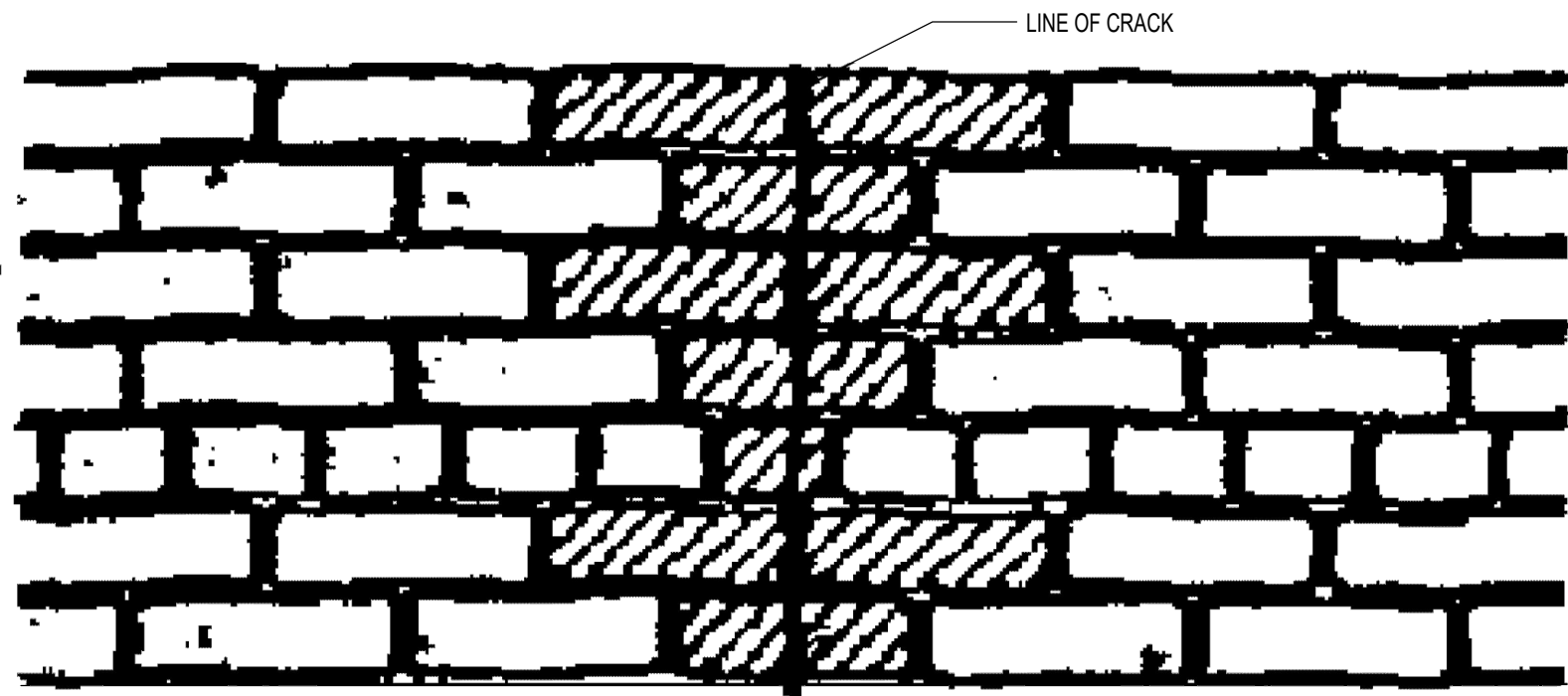
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OF DEFECTIVE FACE BRICKS. SECURE EXIST FACE BRICKS WITH 8 mm S.S. PATCH ENTRY HOLES WITH COLORED MORTAR TO MATCH EXISTING BRICK.



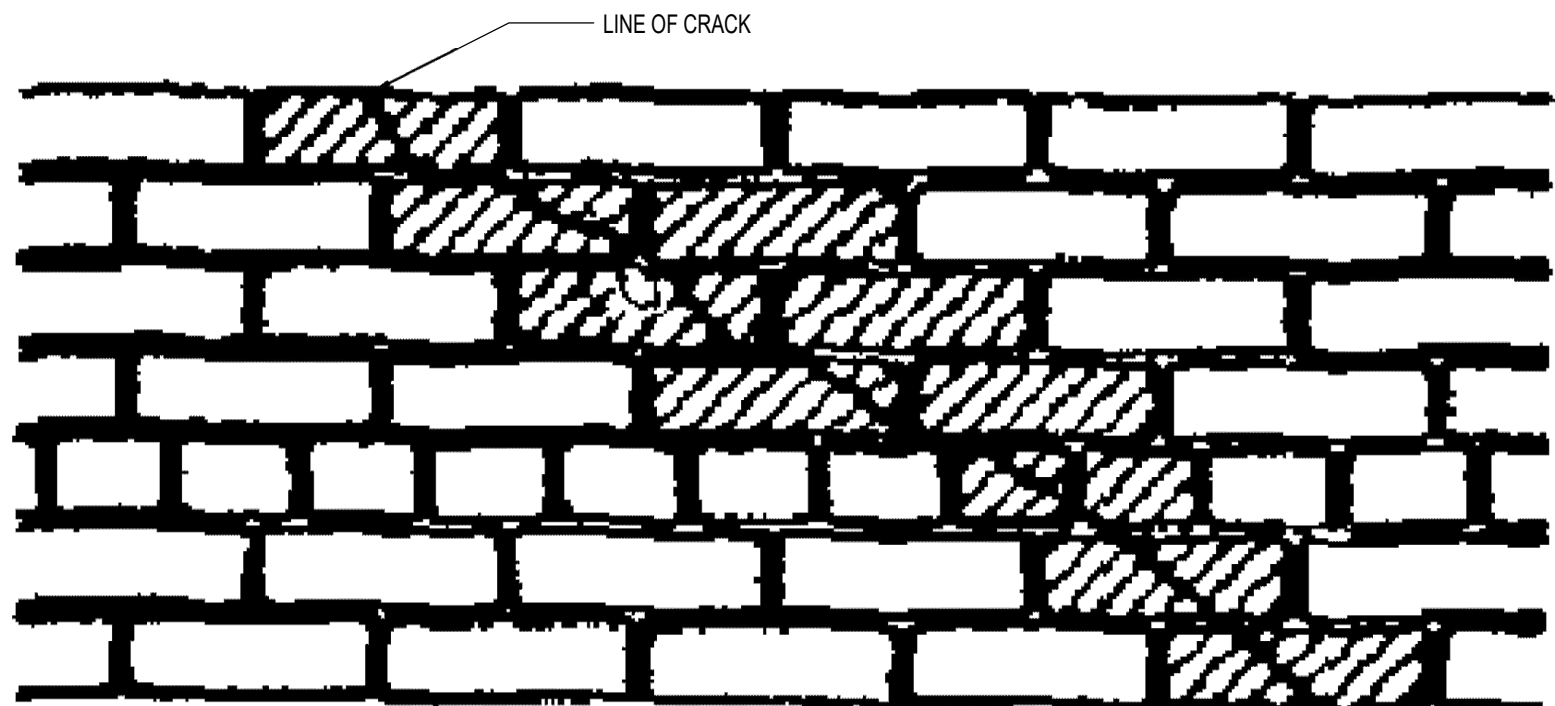
NOTE: AT HORIZONTAL CRACK, THE REPLACEMENT OF BRICKS SHALL BE PERFORMED IN SECTIONS OF 3'-0\"/>

HORIZONTAL CRACK



VERTICAL CRACK

NOTES:
1. REPLACE HATCHED BRICKS WITH NEW BRICKS.
2. DO NOT REPLACE HEADER BRICKS IF NOT CRACKED.



ZIG-ZIG CRACK

2 BRICKFACE (ONLY) CRACK RESTORATION DETAILS

SCALE: N.T.S.

MASONRY RESTORATION NOTES

GENERAL NOTES:

SEQUENCING AND SCHEDULING:

- ORDER REPLACEMENT MATERIALS AT EARLIEST POSSIBLE DATE TO AVOID DELAYING COMPLETION OF THE WORK.
- PERFORM MASONRY RESTORATION WORK IN THE FOLLOWING SEQUENCE:
 - REMOVE PLANT GROWTH IN ITS ENTIRETY.
 - INSPECT FOR OPEN MORTAR JOINTS AND REPAIR BEFORE CLEANING TO PREVENT THE INTRUSION OF WATER AND OTHER CLEANING MATERIALS INTO THE WALL.
 - REMOVE PAINT.
 - CLEAN MASONRY SURFACES.
 - RAKE OUT MORTAR FROM JOINTS SURROUNDING MASONRY TO BE REPLACED AND FROM JOINTS ADJACENT TO MASONRY REPAIRS ALONG JOINTS.
 - REPAIR MASONRY, INCLUDING REPLACING EXISTING MASONRY WITH NEW MASONRY MATERIALS.
 - RAKE OUT MORTAR FROM JOINTS TO BE REPOINTED.
 - POINT MORTAR JOINTS.
 - AFTER REPAIRS AND REPOINTING HAVE BEEN COMPLETED AND CURED, PERFORM A FINAL CLEANING TO REMOVE RESIDUES FROM THIS WORK.

A. RAKE OUT AND REPOINT JOINTS TO THE FOLLOWING EXTENT:

- JOINTS WHERE MORTAR IS MISSING OR WHERE THEY CONTAIN HOLES.
- CRACKED JOINTS WHERE CRACKS CAN BE PENETRATED AT LEAST 1/4 INCH BY A KNIFE BLADE 0.027 INCH THICK.
- CRACKED JOINTS WHERE CRACKS ARE 1/16 INCH OR MORE IN WIDTH AND OF ANY DEPTH.
- JOINTS THAT SOUND HOLLOW WHEN TAPPED BY METAL OBJECT.
- JOINTS THAT ARE WORN BACK 1/4 INCH OR MORE FROM SURFACE.
- JOINTS THAT ARE DETERIORATED TO POINT THAT MORTAR CAN BE EASILY REMOVED BY HAND, WITHOUT TOOLS.
- JOINTS THAT HAVE BEEN FILLED WITH SUBSTANCES OTHER THAN MORTAR.
- DO NOT REPAIR JOINTS UNLESS REQUIRED.

- NEW MORTAR SHALL MATCH EXISTING IN CONTENT AND APPEARANCE. NEW MORTAR SHALL CONFORM TO THE FOLLOWING CRITERIA:
 - NEW MORTAR SHALL MATCH THE HISTORIC MORTAR IN COLOR, TEXTURE AND TOOLING. MATCH BINDER COMPONENTS AND THEIR PROPORTIONS WITH HISTORIC MORTAR IF MATERIALS ARE AVAILABLE.
 - SAND SHALL MATCH THE SAND IN HISTORIC MORTAR.
 - NEW MORTAR SHALL HAVE GREATER VAPOR PERMEABILITY AND BE SOFTER (IN COMPRESSIVE STRENGTH) THAN THE MASONRY UNITS.
 - NEW MORTAR SHALL BE AS VAPOR PERMEABLE AND AS SOFT OR SOFTER (IN COMPRESSIVE STRENGTH) THAN THE HISTORIC MORTAR.ALL LABORATORY ANALYSIS USED IN ACHIEVING THE ABOVE CRITERIA SHALL BE RESPONSIBILITY OF THE MASONRY CONTRACTOR.
- NEW MORTAR SHALL MATCH THE UNWEATHERED INTERIOR PORTIONS OF THE HISTORIC MORTAR. CONTRACTOR SHALL MAKE SAMPLE OF PROPOSED MIX AND ALLOW TO CURE AT SEVENTY DEGREES FAHRENHEIT (70° F.) FOR SEVEN (7) DAYS. BAKING SAMPLE IN OVEN TO SPEED UP CURING IS ACCEPTABLE. SAMPLE SHALL BE BROKEN OPEN AND COMPARED WITH SURFACE OF LARGEST "SAVED" SAMPLE OF HISTORIC MORTAR.
- MODERN MORTAR PIGMENT MAY BE USED AS AN ALTERNATIVE IF PROPER COLOR MATCH CANNOT BE ACHIEVED THROUGH THE USE OF NATURAL SAND OR COLORED AGGREGATES.
- IF LIME PUTTY IS USED, IT SHALL CONFORM TO ASTM C 5. MORTAR CAN BE MIXED USING LIME PUTTY ACCORDING TO ASTM C 270 PROPERTY OR PROPORTION SPECIFICATION.
- REPOINTING SHALL BE PERFORMED WITH A WALL TEMPERATURE RANGE BETWEEN FORTY AND NINETY-FIVE DEGREES FAHRENHEIT (40-95° F.). REPOINTING SHALL NOT BE PERFORMED IN DIRECT SUNLIGHT. MASONRY CONTRACTOR SHALL PROVIDE APPROPRIATE SHADING OVER WORK AREAS.
- MASONRY CONTRACTOR SHALL PREPARE A TEST PANEL FOR APPROVAL BY ARCHITECT AND NATIONAL PARKS SERVICE APPROVAL. TEST PANEL SHALL BE IN AN INCONSPICUOUS PLACE LOCATED AT THE REAR OF THE STRUCTURE. TEST PANEL SHALL ADDRESS MASONRY TYPE, JOINT STYLES, MORTAR COLORS, ETC.
- CLEANING TESTS SHALL BE CARRIED OUT IN SAME LOCATION AS TEST PANEL. CLEANING TEST SHALL BE PERFORMED OVER A THREE FOOT BY THREE FOOT (3'-0" X 3'-0") AREA.
- TEST PANELS AND CLEANING PANELS, UPON APPROVALS, SHALL SERVE AS BENCHMARK FOR EVALUATING AND ACCEPTING SUBSEQUENT WORK. PANELS SHALL BE PRESERVED BY CONTRACTOR FOR DURATION OF PROJECT.
- OLD MORTAR SHALL BE REMOVED TO A MINIMUM OF TWO TO TWO AND ONE HALF TIMES THE WIDTH OF THE JOINT (1/2" - 1") TO ENSURE AN ADEQUATE BOND AND TO PREVENT MORTAR POP-OUTS. REMOVE ANY DISINTEGRATED MORTAR BEYOND THE MINIMUM DEPTHS.

- TO MINIMIZE DAMAGE TO BRICKWORK, CONTRACTOR SHALL REMOVE OLD MORTAR WITH HAMMER AND CHISEL. THE USE OF POWER SAWS AND GRINDERS MAY ONLY BE USED BY SKILLED MASONS AND UNDER CLOSE SUPERVISION BY THE G.C.
- ALL MORTAR COMPONENTS SHALL BE MEASURED AND MIXED CAREFULLY TO ENSURE THE UNIFORMITY OF VISUAL AND PHYSICAL CHARACTERISTICS. MASON SHALL BE RESPONSIBLE FOR MORTAR MIXING METHODS. WATER SHALL BE KEPT TO A MINIMUM TO MINIMIZE SHRINKAGE CRACKS. MORTAR SHALL BE USED WITHIN THIRTY (30) MINUTES OF FINAL MIXING AND RE-TEMPERING SHALL NOT BE PERMITTED.
- WHERE EXISTING MORTAR HAS BEEN REMOVED TO A DEPTH GREATER THAN ONE INCH (1"), THESE DEEPER AREAS SHALL BE FILLED FIRST. NEW MORTAR SHALL BE COMPACTED IN SEVERAL LAYERS, ONE QUARTER INCH (1/4") AT A TIME. THE BACK OF THE ENTIRE JOINT SHALL BE FILLED, PACKING IT WELL INTO THE BACK CORNERS. AS SOON AS THE MORTAR HAS REACHED THUMB-PRINT HARDNESS, ANOTHER 1/4 INCH LAYER - APPROXIMATELY THE SAME THICKNESS - SHALL BE APPLIED. LAYERS SHALL BE ADDED UNTIL THE JOINT IS FLUSH WITH THE OUTER SURFACE OF THE MASONRY. EACH LAYER MUST BE ALLOWED TO HARDEN BEFORE THE NEXT LAYER IS APPLIED TO MINIMIZE THE OVERALL SHRINKAGE.
- THE MASONRY CONTRACTOR SHALL PERIODICALLY WET THE REPOINTED AREAS AFTER THE MORTAR IS THUMB-PRINT HARD AND FINISH TOOLED. LOCAL CONDITIONS SHALL DICTATE THE FREQUENCY OF WETTING. INITIAL WETTING SHALL BE EVERY HOUR AND GRADUALLY REDUCED TO EVERY THREE TO FOUR HOURS. WALLS SHALL BE COVERED WITH BURLAP FOR THE FIRST THREE (3) DAYS AFTER REPOINTING. PLASTIC MAY BE USED, BUT SHALL BE TENTED OUT AND NOT PLACED DIRECTLY AGAINST THE WALL.
- FURTHER CLEANING SHALL BE ACCOMPLISHED WITH PLAIN WATER AND NATURAL BRISTLE OR NYLON BRUSHES. IF CHEMICALS OR MILD DETERGENTS ARE USED, THEY SHALL MEET NATIONAL PARKS SERVICE APPROVAL. ALL MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS SHALL BE FOLLOWED. AFTER CLEANING, WALLS SHALL BE FLUSHED WITH PLAIN WATER TO REMOVE ALL TRACES OF CHEMICALS OR DETERGENTS.
- CLEANING OF MASONRY WALLS SHALL NOT OCCUR UNTIL A MINIMUM OF THIRTY (30) DAYS AFTER MORTAR IS APPLIED. TEST PANELS SHALL BE PREPARED TO EVALUATE DIFFERENT CLEANING METHODS. CLEANING METHODS SHALL BE APPROVED BY ARCHITECT AND NATIONAL PARKS SERVICE. WATER PRESSURE USED FOR ANY CLEANING SHALL NOT EXCEED ONE HUNDRED (100) P.S.I.
- IF EFFLORESCENCE APPEARS, EITHER NATURAL PROCESSES OR STIFF NATURAL OR NYLON BRISTLE BRUSHES ARE ONLY PERMITTED TO REMOVE IT.

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PROJECT NAME:

SOUTH MILL
FORMER PONEMAH MILLS
NORWICH AVENUE
TAFTVILLE, CT

OWNER:

555 SOUTH MILL - LLC

RELEASE STATUS OF DRAWING	DATE:
1	

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DRAWING TITLE:

TYPICAL MASONRY RESTORATION
DETAILS

REVISIONS			
NO	DATE	DWN/CHK	REMARKS

DO NOT SCALE DRAWINGS

DATE:	05/20/24
DRAWN / CHECKED:	NM.
SCALE:	AS NOTED
PROJECT NUMBER:	062919

DRAWING NUMBER:

A-818.00