

NO.	DESCRIPTION	DATE
1	100% CONSTRUCTION DOCUMENTS	12-08-2021

# EMORY UNIVERSITY

## WOODRUFF RESIDENTIAL CENTER - BOILER REPLACEMENT

### 1495 CLIFTON ROAD, ATLANTA, GA 30322

# 100% CONSTRUCTION DOCUMENTS

## DECEMBER 8, 2021

### ABBREVIATIONS

AB	ANCHOR BOLT	F	FAHRENHEIT	PPPT	PAINT
ABV	ABOVE	FD	FLOOR DRAIN	PC	PIECE
ACC	ACCESS	FE	FIRE EXTINGUISHER	PERF	PERFORATED
ACCT	ACCOUNT	FEI	FIRE EXTINGUISHER CABINET	PL	PLATE
ACT	ACTUAL	FHC	FIRE HOSE CABINET	PLAM	PLASTIC LAMINATE
ADD	ADDRESS	FHR	FIRE HOSE REACK	PLAS	PLASTER
ADH	ADHESIVE	FN	FINISH	PLYWD	PLYWOOD
ADJ	ADJACENT	FNT	FIXTURE	PANEL	PANEL
ADJL	ADJACENT ADJUSTABLE	FL	FLOOR	PAR	PARTITION
ADOL	ADDITIONAL	FLASH	FLASHING	PROJ	PROJECTION
ADM	ADMINISTRATIVE	FLC	FLOOR COVERING	PROJ	PROJECTION
AF	AREA FINISHED FLOOR	FLX	FLEXIBLE	PSF	POUNDS PER SQUARE FOOT
AFG	ABOVE FINISHED GRADE	FLM	FACE OF CONCRETE	PPF	POUNDS PER SQUARE FOOT
AG	AGGREGATE	FOM	FACE OF MASONRY	PTD	PARTITION
AGH	AIR HANDLING UNIT	FOS	FACE OF STUDS	PRF	FRANKED
ALUM	ALUMINUM	FPM	FEET PER MINUTE	PRF	FRANKED
ALT	ALTERNATE/ALTERNATIVE	FPM	FEET PER MINUTE	PRF	FRANKED
ANCH	ANCHOR	FPM	FEET PER MINUTE	PRF	FRANKED
AND	AND	FPM	FEET PER MINUTE	PRF	FRANKED
ANDD	AND (DOUBLE)	FPM	FEET PER MINUTE	PRF	FRANKED
ANDP	AND (PARTIAL)	FPM	FEET PER MINUTE	PRF	FRANKED
APPROX	APPROXIMATE	FPM	FEET PER MINUTE	PRF	FRANKED
ARCH	ARCHITECTURAL	FPM	FEET PER MINUTE	PRF	FRANKED
ASB	ASSEMBLY	FPM	FEET PER MINUTE	PRF	FRANKED
ASBY	ASSEMBLY	FPM	FEET PER MINUTE	PRF	FRANKED
ASD	ASSEMBLY	FPM	FEET PER MINUTE	PRF	FRANKED
ASTR	ASTRAGAL	FPM	FEET PER MINUTE	PRF	FRANKED
AUT	AUTOMATIC	FPM	FEET PER MINUTE	PRF	FRANKED
AUX	AUXILIARY	FPM	FEET PER MINUTE	PRF	FRANKED
AVG	AVERAGE	FPM	FEET PER MINUTE	PRF	FRANKED

### MATERIAL LEGEND

	EARTH		ROCK
	GRANULAR DRAINAGE MATERIAL		CONCRETE
	GROUT		GRAVEL
	SAND		BRICK
	PRECAST CONCRETE		STONE
	CONCRETE MASONRY UNIT		ALUMINUM
	RIGID INSULATION		FINISHED WOOD
	STEEL		BATT INSULATION
	PLYWOOD		DIMENSIONAL LUMBER WOOD BLOCKING
	GYPSUM WALL BOARD		DIMENSIONAL LUMBER CONTINUOUS WOOD FRAMING
	ASPHALT		WATERPROOFING

### SYMBOL LEGEND

	DETAIL CALLOUT
	SECTION CALLOUT
	VIEW NAME
	ELEVATION TAG
	ACCESSORY TAG
	CEILING TAG
	CENTER LINE
	DOOR TAG
	WINDOW TAG
	STOREFRONT TAG
	KEYNOTE TAG
	GRID TAG
	LIFE SAFETY ROOM TAG
	PARTITION TYPE TAG
	LEVEL TAG
	REVISION TAG

### PROJECT DIRECTORY

**CLIENT**  
**EMORY UNIVERSITY**  
 PLANNING, DESIGN & CONSTRUCTION  
 EMORY UNIVERSITY  
 301 FM DRIVE  
 ATLANTA, GA 30322  
 NANCY BAVLY, LEED AP - PROJECT MANAGER  
 NBAVLY@EMORY.EDU  
 (770) 313-8571 (M)  
 (404) 727-0716 (O)

**ARCHITECT**  
**SIZEMORE GROUP, LLC**  
 342 MARIETTA ST NW, UNIT 3  
 ATLANTA, GA 30313  
 TEL: 404-605-0890  
 FAX: 404-605-0890  
 LILY DEL C. BERRIOS, AIA, LEED BDAC - PRINCIPAL IN CHARGE  
 KATHRYN SCOTT, AIA, ASSOCIATE - PROJECT MANAGER  
 ANDREW TELKER, RA, LEED AP, BPAC, CDT - PROJECT ARCHITECT

**CIVIL ENGINEER**  
 NONE

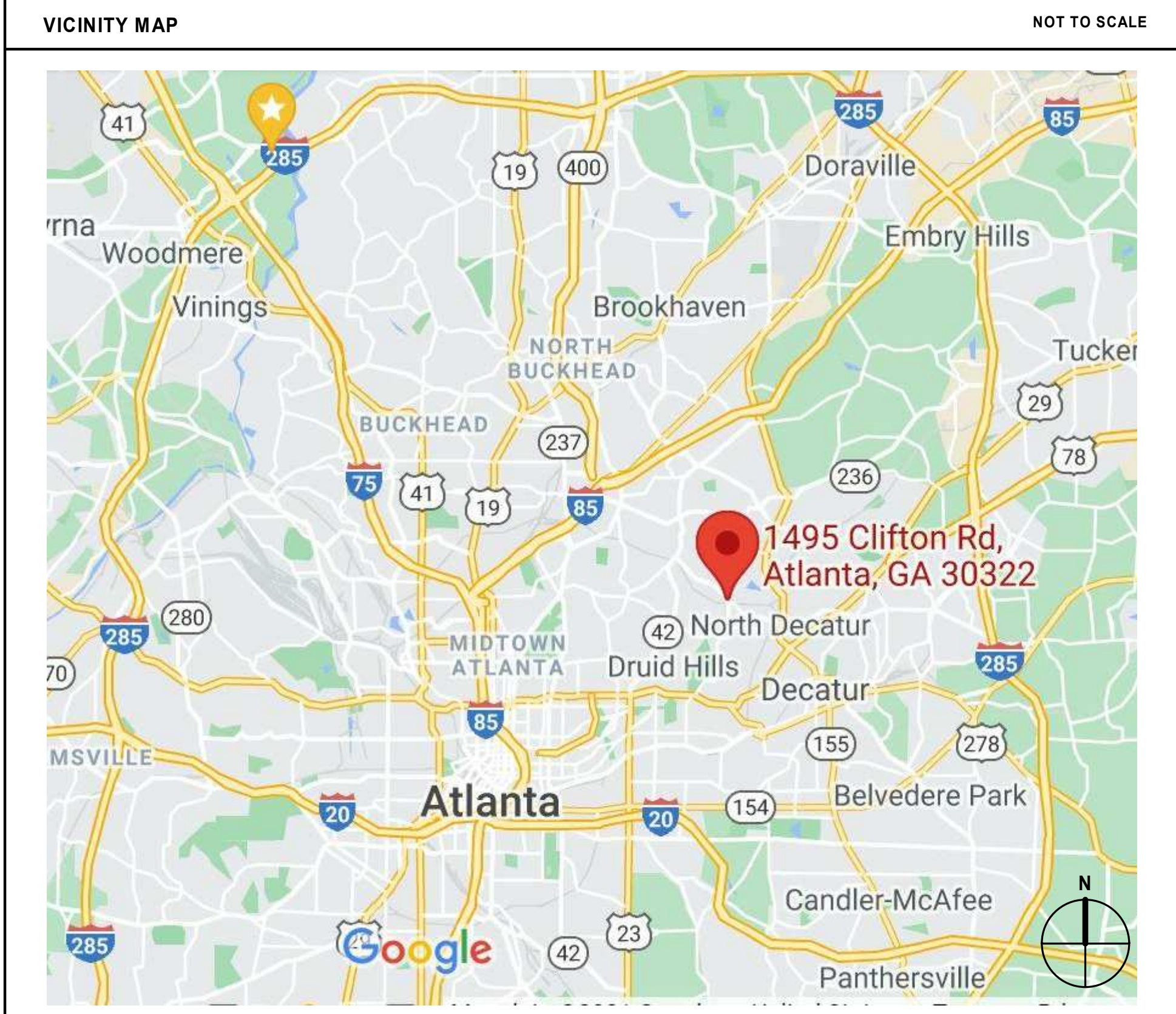
**MEP ENGINEER**  
**JOHNSON, SPELLMAN & ASSOCIATES, INC.**  
 350 RESEARCH CT #100  
 PEACHTREE CORNERS, GA 30092  
 O: 678.338.5429  
 C: 214.912.0713  
 DANIEL P. ROSE - PROJECT MANAGER  
 JOHN ROYDS  
 LEAH BENINCASA - BCE - ELECTRICAL

**STRUCTURAL ENGINEER**  
**PALMER ENGINEERING**  
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 BUILDING N  
 TUCKER, GA 30084  
 TEL: 770-908-9908  
 FAX: 770-908-9919  
 BAKU PATEL, P.E. LEED AP

**SPECIFICATIONS**  
**MAXX UNION, LLC**  
 2289 MAXWELL DRIVE  
 ATLANTA, GA 30311  
 OFF: 404-865-5924  
 ROBIN MAXAM, CSI

**GENERAL CONTRACTOR**  
**WINTER CONSTRUCTION**  
 5616 PEACH TREE ROAD  
 CHAMBLEE, GA 30341  
 TEL: 404-588-3300  
 EXPERIENCEBUILDER@WINTER-CONSTRUCTION.COM  
 WINTER-CONSTRUCTION.COM  
**TECTAAMERICA ROOFING REDEFINED**  
 5085 SHILOH ROAD | CUMMING, GA 30040  
**JASON SCHAFER - SENIOR ACCOUNT MANAGER**  
 C: 678-622-3298 | O: 770-740-0018

### DRAWING SHEET INDEX | SHEET NUMBER | SHEET NAME | ISSUE DATE | ISSUE DATE | |-----------------------------|---|------------|------------| | 100% CONSTRUCTION DOCUMENTS | | | | | DESIGN DEVELOPMENT | | | | | CONSTRUCTION DOCUMENTS | | | | | <b>ARCHITECTURE</b> | | | | | A000 | COVERSHEET | 11-15-2021 | 12-08-2021 | | A001 | CAMPUS MAP - EXISTING PHOTOS | 11-15-2021 | 12-08-2021 | | A101 | FLOOR PLANS - EXISTING / DEMO CHIMNEY | 11-15-2021 | 12-08-2021 | | A102 | FLOOR PLANS - PROPOSED CHIMNEY | 11-15-2021 | 12-08-2021 | | A401 | ELEVATIONS - EXISTING / DEMO CHIMNEY | 11-15-2021 | 12-08-2021 | | A402 | ELEVATIONS - PROPOSED CHIMNEY | 11-15-2021 | 12-08-2021 | | <b>ELECTRICAL</b> | | | | | E000 | DRAWING INDEX, GENERAL NOTES & LEGENDS | 11-15-2021 | 12/08/21 | | E201 | LEVEL 1 - POWER | 11-15-2021 | 12/08/21 | | E901 | PARTIAL ONE-LINE DIAGRAM AND ELECTRICAL SCHEDULES | 11-15-2021 | 12/08/21 | | <b>MECHANICAL</b> | | | | | M0.1 | HVAC - LEGEND, SCHEDULES, DETAILS, & PIPING SCHEMATIC | NONE | 12/08/21 | | M1.2 | MECHANICAL ROOM - HVAC - DEMOLITION PLAN | 11-15-2021 | 12/08/21 | | M2.2 | MECHANICAL ROOM - HVAC - NEW WORK PLAN | 11-15-2021 | 12/08/21 | | M3.1 | HVAC - BOILER PIPING SCHEMATIC | 11-15-2021 | 12/08/21 | | M3.2 | HVAC - MECHANICAL ROOM - BOILER FLUE VENT ELEV | 11-15-2021 | 12/08/21 | | M4.1 | HVAC - CONTROL SEQUENCES & I/O SUMMARY | 11-15-2021 | 12/08/21 | | <b>PLUMBING</b> | | | | | P0.1 | PLUMBING NOTES, SCHEDULES, AND DETAILS | 11-15-2021 | 12/08/21 | | P0.2 | PLUMBING SCHEMATIC DIAGRAMS | 11-15-2021 | 12/08/21 | | P1.1 | PLUMBING - MECHANICAL ROOM - DEMOLITION | 11-15-2021 | 12/08/21 | | P2.1 | PLUMBING - MECHANICAL ROOM - NEW WORK | 11-15-2021 | 12/08/21 | | <b>STRUCTURAL</b> | | | | | S001 | STRUCTURAL GENERAL NOTES | NONE | 12/08/21 | | S101 | STRUCTURAL FOUNDATION & FRAMING PLAN - CHIMNEY | NONE | 12/08/21 | | S401 | STRUCTURAL ELEVATIONS, SECTIONS, AND DETAILS | NONE | 12/08/21 |

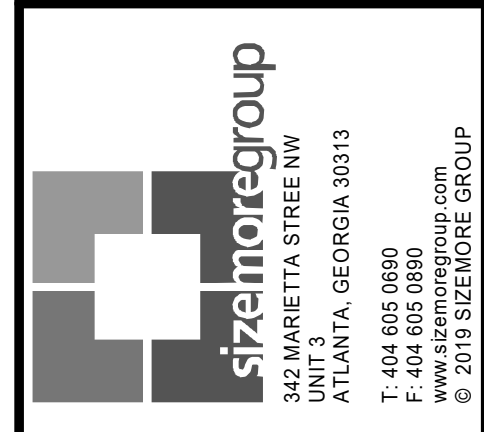


### APPLICABLE CODES

THE GEORGIA STATE MINIMUM STANDARD CODES (MANDATORY CODE):

- BUILDING**
  - 2020 CHAPTER 120-3-3, THE STATE MINIMUM FIRE SAFETY STANDARDS
  - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH 2020 GEORGIA AMENDMENTS
- MECHANICAL**
  - INTERNATIONAL MECHANICAL CODE, 2018 EDITION WITH 2020 GEORGIA AMENDMENTS
- PLUMBING**
  - INTERNATIONAL PLUMBING CODE, 2018 EDITION WITH 2020 GEORGIA AMENDMENTS
- GAS**
  - INTERNATIONAL FUEL GAS CODE, 2018 EDITION WITH 2014 & 2015 GEORGIA AMENDMENTS
- ELECTRICAL**
  - NFPA NATIONAL ELECTRICAL CODE, 2017 EDITION
- ENERGY**
  - INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION WITH 2020 GEORGIA SUPPLEMENTS AND AMENDMENTS
- LIFE SAFETY**
  - NFPA 101 LIFE SAFETY CODE (2018) AS MODIFIED BY CHAPTER 120-3-3
- FIRE PREVENTION**
  - INTERNATIONAL FIRE CODE AS MODIFIED BY CHAPTER 120-3-3
- HANDICAP**
  - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AS MODIFIED BY GEORGIA CHAPTER 120-3-3

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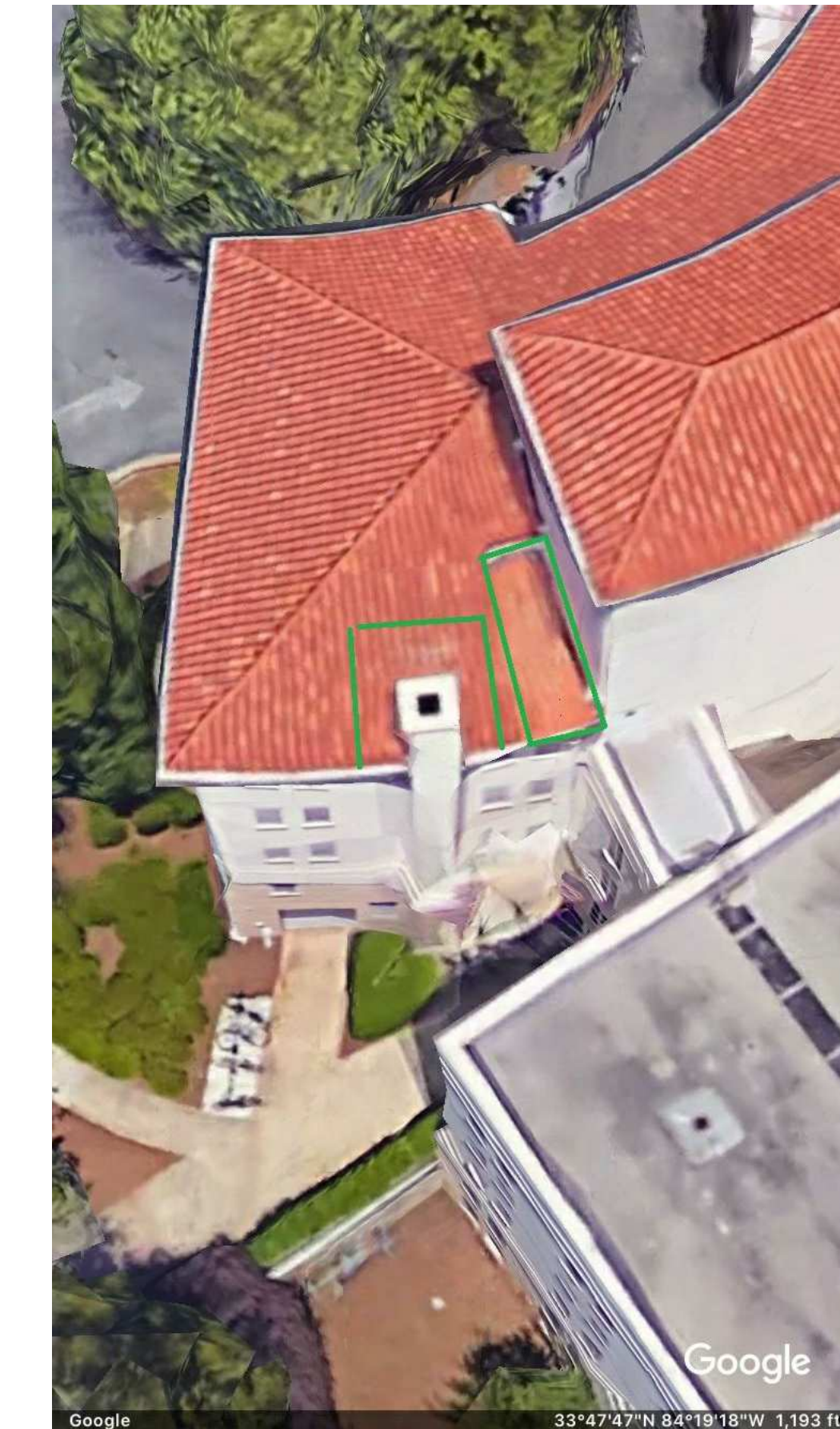
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### COVERSHEET

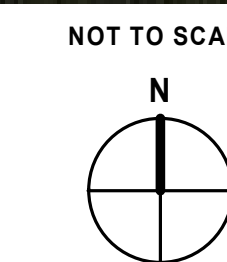
PROJECT # 21290EMOWDB  
 DATE: 11/15/21  
 DRAWN BY: A. TELKER  
 CHECKED BY: K. SCOTT

# A000

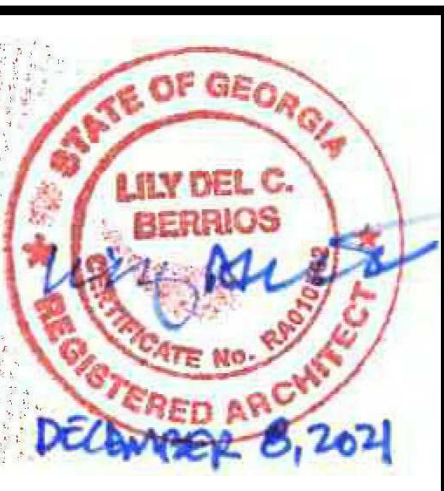
SCALE 12" = 1'-0"



1 CAMPUS MAP - (WOODRUFF RES CENTER)  
A001 6" = 1'-0"

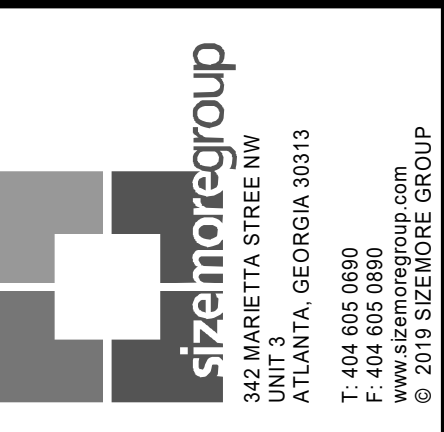


2 EXISTING PHOTOS  
A001 3" = 1'-0"



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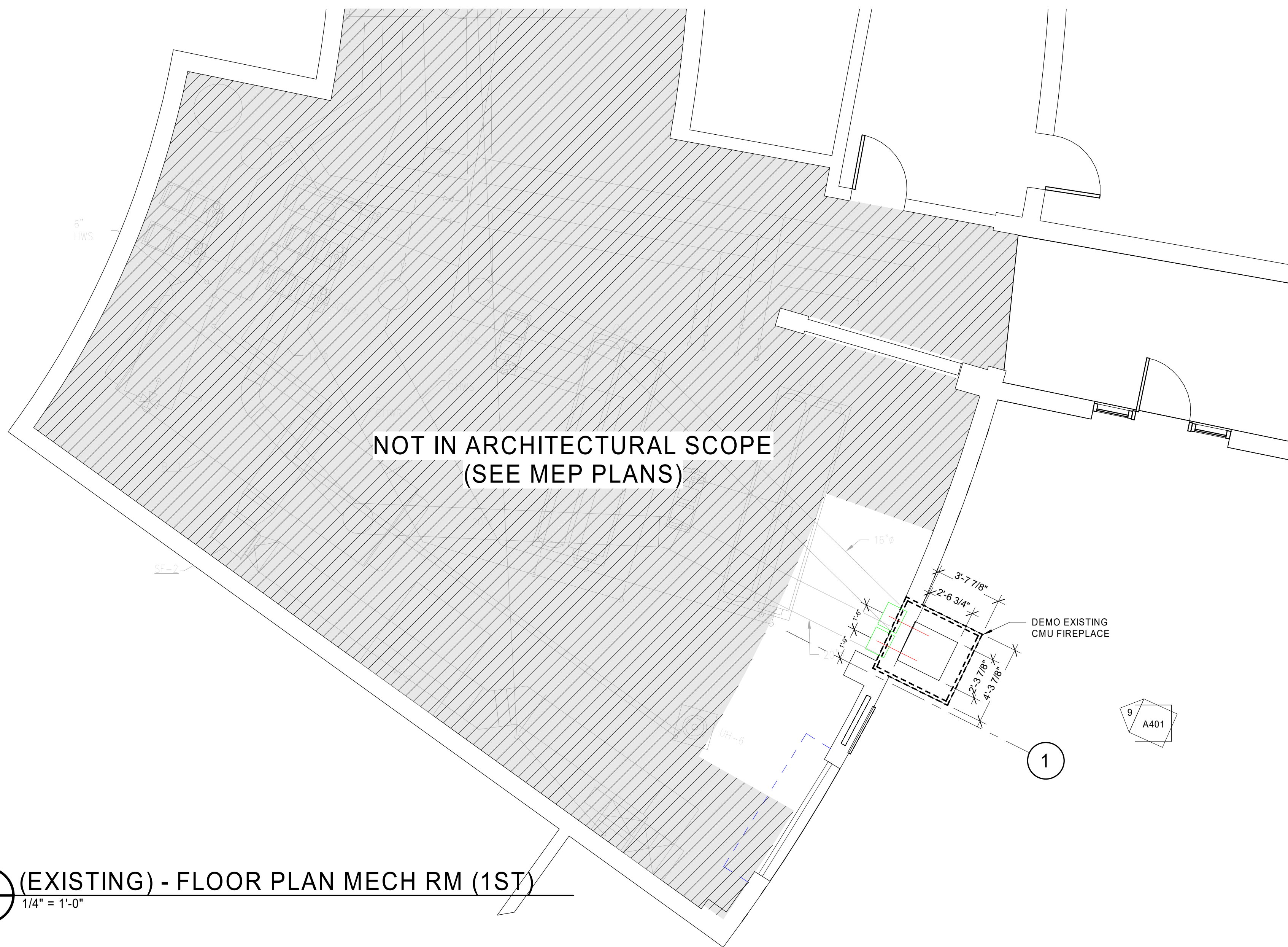
CAMPUS MAP - EXISTING PHOTOS

PROJECT # 21290EMOWDB  
DATE: 11/15/21  
DRAWN BY: A.TELKER  
CHECKED BY: K.SCOTT

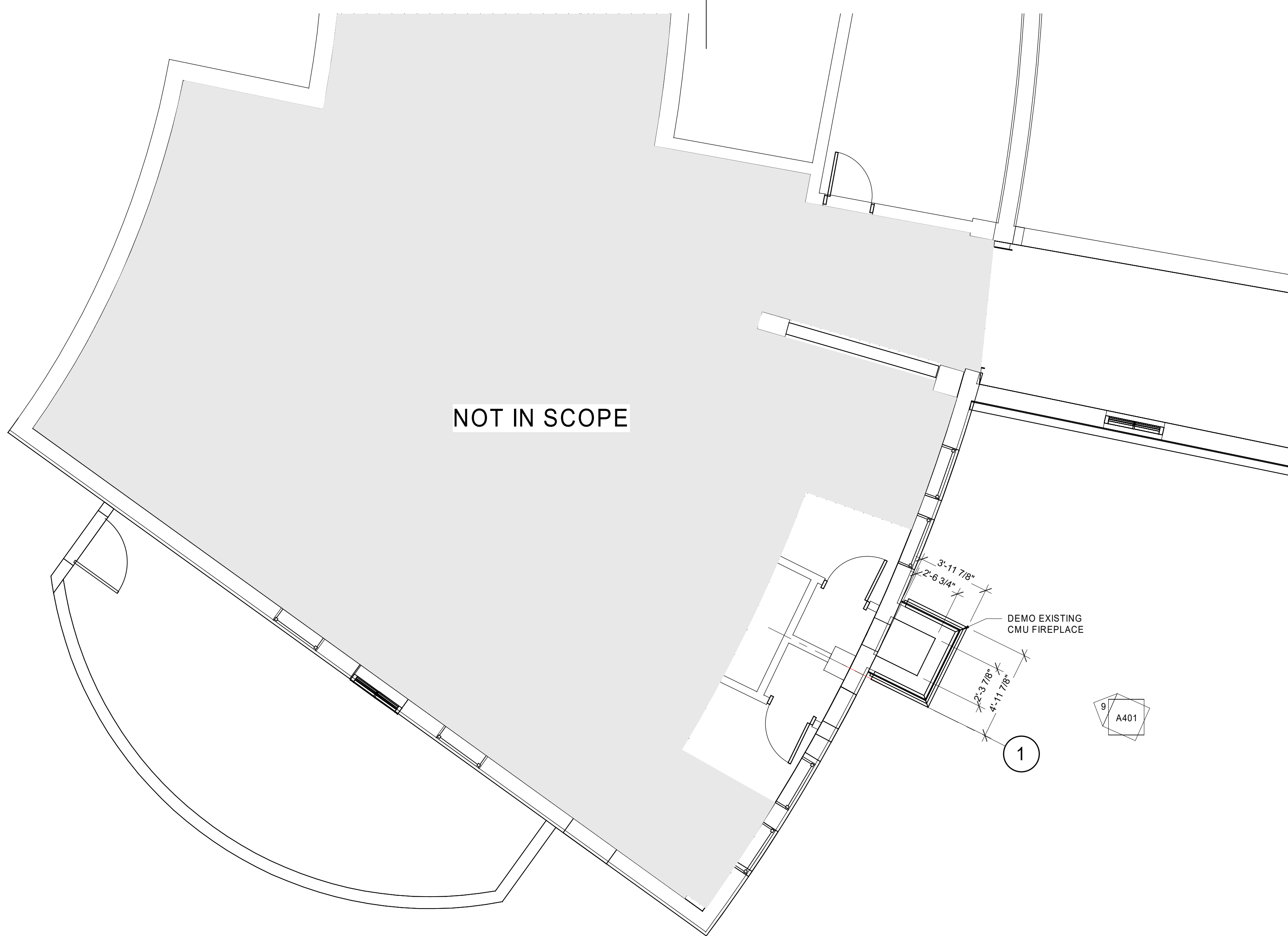
**A001**

SCALE As indicated

ISSUED FOR CONSTRUCTION

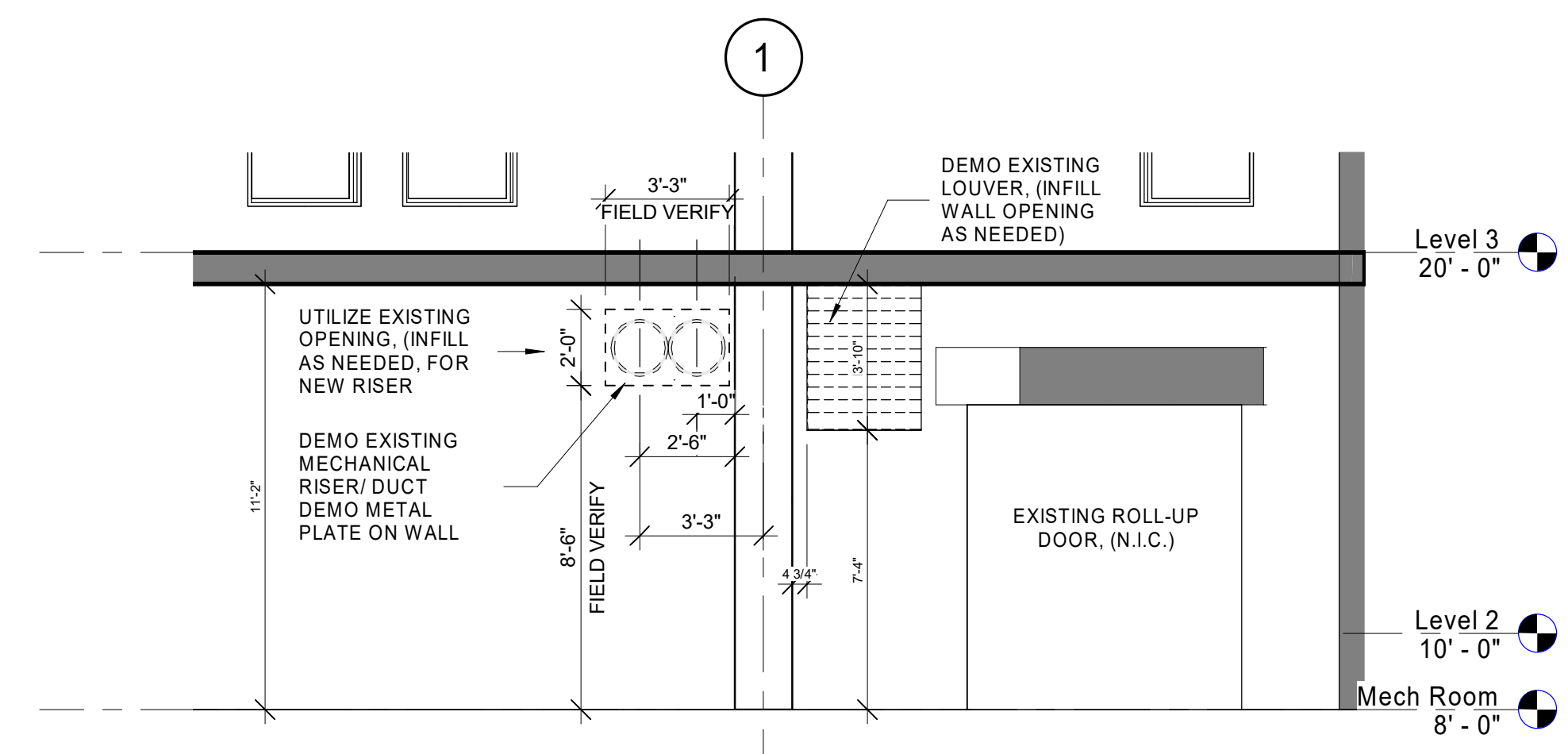


1 (EXISTING) - FLOOR PLAN MECH RM (1ST)  
A101 1/4" = 1'-0"

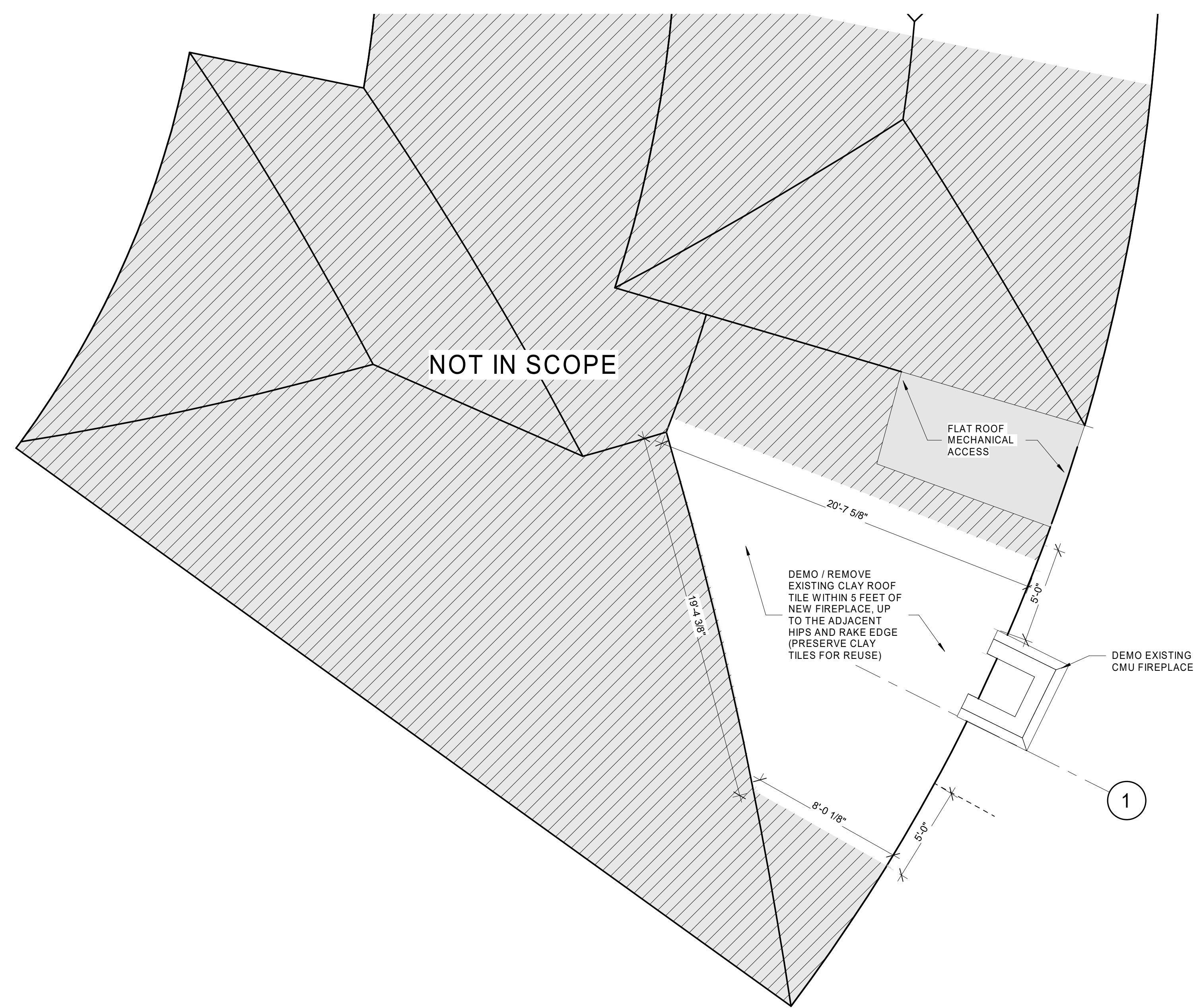


2 (EXISTING) - FLOOR PLAN UPPER FLOOR (5TH)  
A101 1/4" = 1'-0"

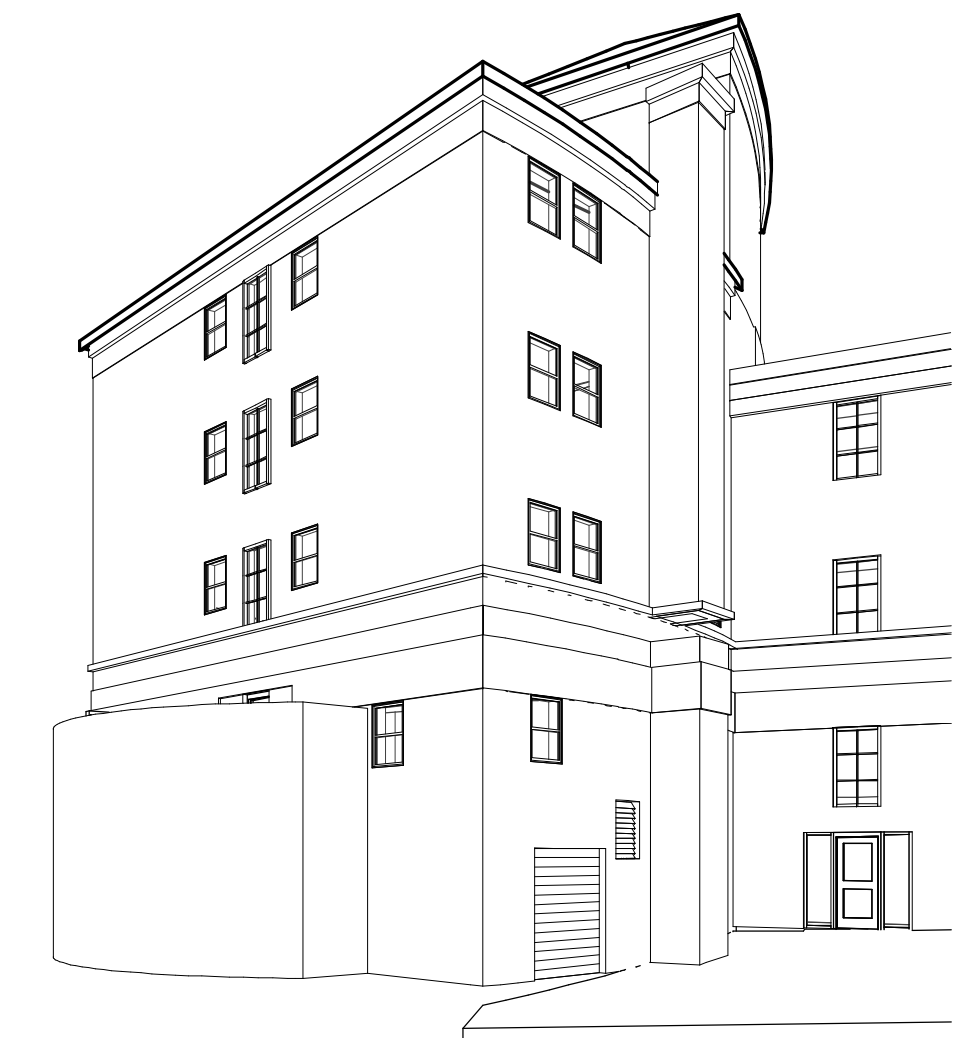
- DEMOLITION NOTES**
- REFER TO SPECIFIC DRAWING FOR FURTHER NOTES THAT REFLECT INFORMATION PERTINENT TO THAT SPECIFIC DRAWING. SEE FLOOR PLANS FOR ACTUAL FINISHED WIDTHS OF NEW OPENINGS IN EXISTING WALLS.
  - REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
  - PROTECT EXISTING BUILDING AREAS FROM DAMAGE FROM DEBRIS AND DUST DURING CONSTRUCTION.
  - PROTECT BUILDING INTERIOR AND ALL OPENINGS CREATED DURING DEMOLITION FROM WATER PENETRATION.
  - COORDINATE DEMOLITION OF CHIMNEY, AND ROOF TILE FINISHES IN EXISTING AREAS WITH NEW FINISH PLANS.
  - CUT AND PATCH EXISTING CEILINGS, WALLS AND FLOORS AS REQUIRED TO ACCOMMODATE NEW CHIMNEY. REFER TO MECHANICAL / ARCHITECTURAL.
  - CONTRACTORS SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND LIMITATIONS PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL REVIEW DEMOLITION DRAWINGS AND NOTES. ANY DISCREPANCIES AND OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. DO NOT SCALE DRAWINGS.
  - ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL CURRENT FIRE, HEALTH, SAFETY, AND BUILDING CODES OF THE CITY COUNTY AND STATE IN WHICH THESE PREMISES ARE SITUATED INCLUDING ALL FEDERAL OCCUPANCY SAFETY AND HEALTH ACT (OSHA) GUIDELINES.
  - SITE NOTE: CALL BEFORE YOU DIG - 811. SITE UTILITIES, CHECK FOR UTILITIES, STORM LINES, UNDERGROUND SPRINKLERS.
  - ENCOUNTER HAZARDOUS MATERIALS, DISPOSE OF PROPERLY.



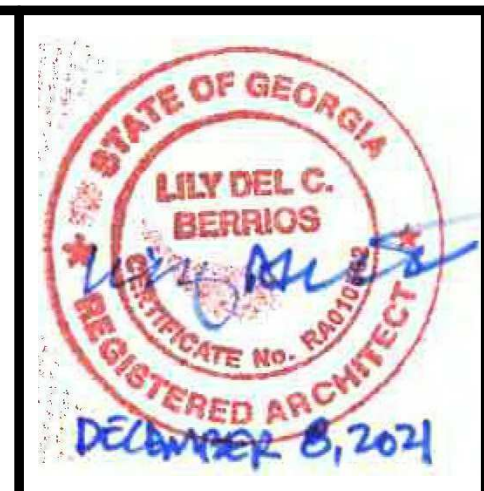
5 (EXISTING) - ELEVATION OF MECH RM  
A101 1/4" = 1'-0"



4 (EXISTING) - ROOF PLAN AT CHIMNEY  
A101 1/4" = 1'-0"

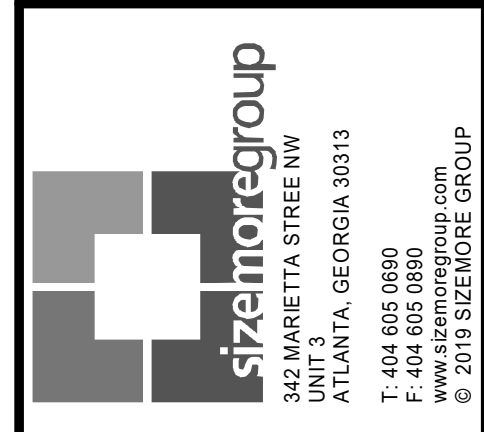


3 3D - EXISTING CHIMNEY  
A101



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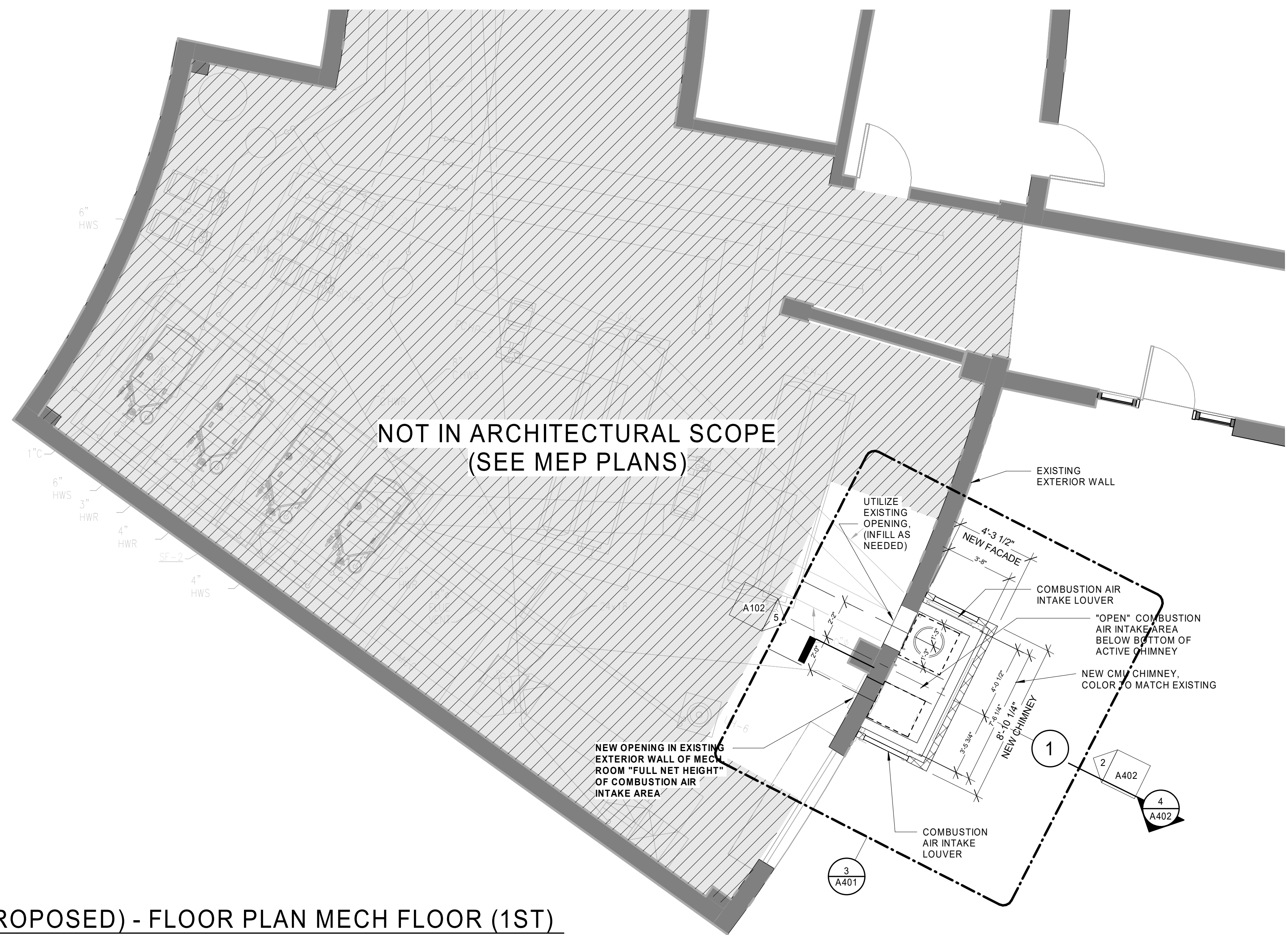
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**FLOOR PLANS - EXISTING / DEMO CHIMNEY**

PROJECT # 21290EMOWDB  
DATE: 11/15/21  
DRAWN BY: A. TELKER  
CHECKED BY: K. SCOTT

**A101**  
SCALE: As indicated

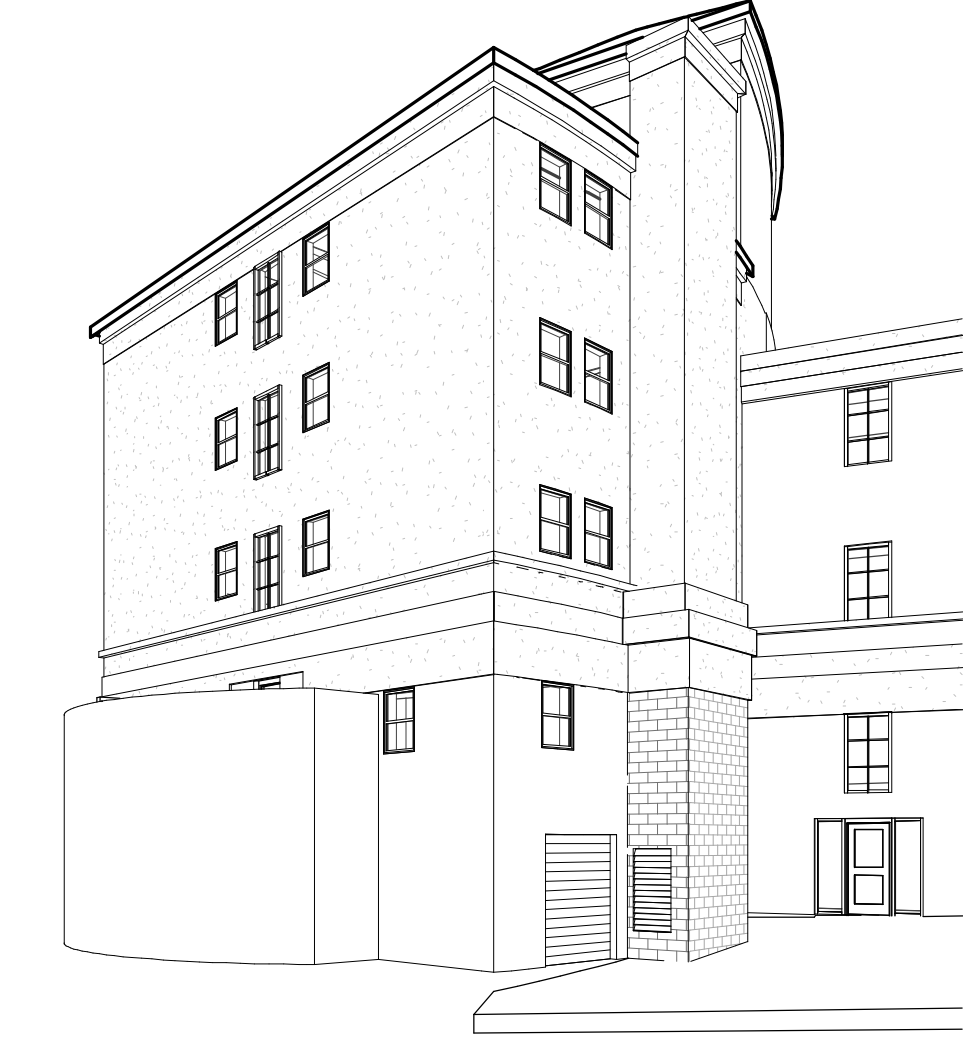
ISSUED FOR CONSTRUCTION



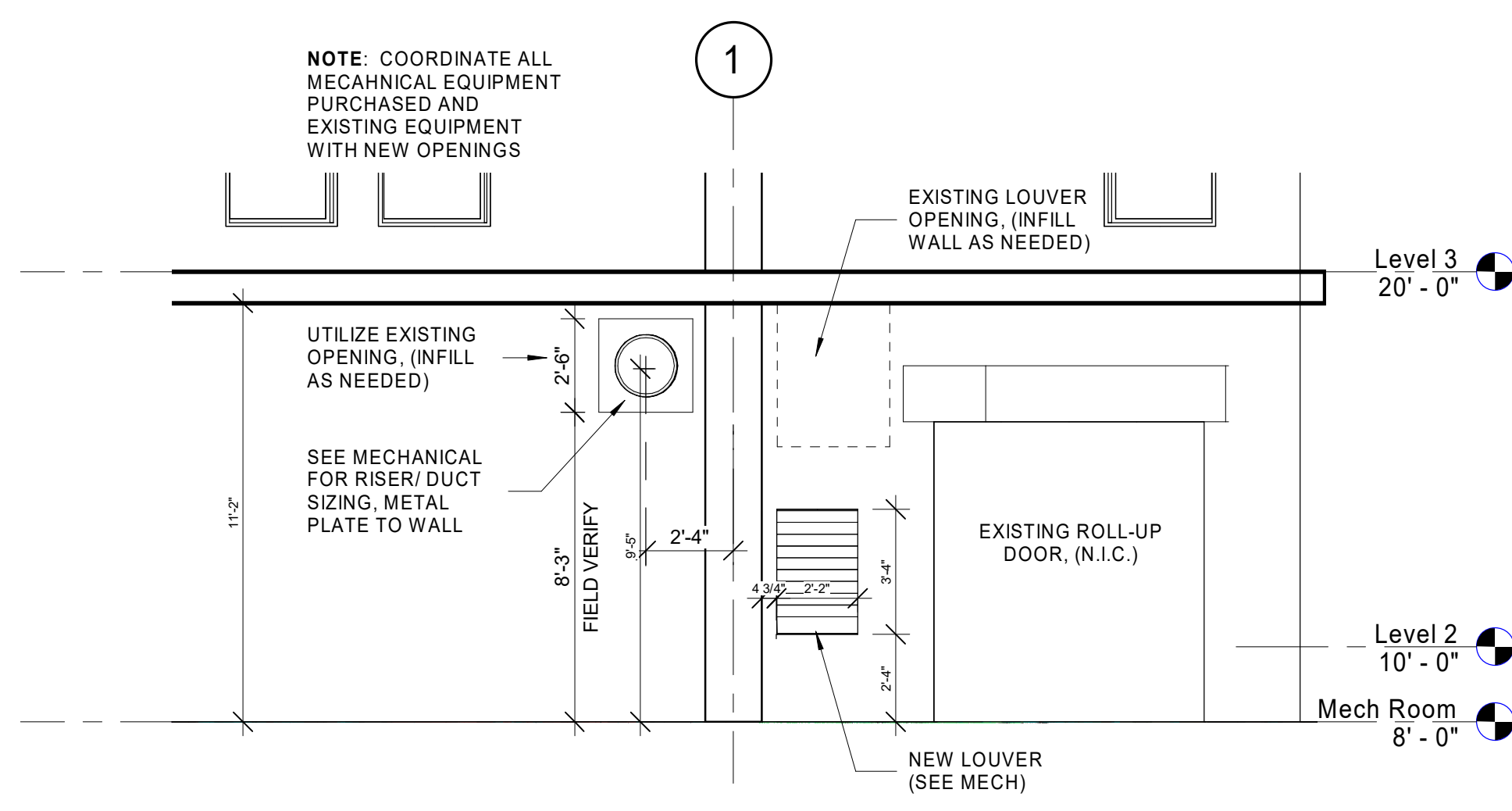
1 (PROPOSED) - FLOOR PLAN MECH FLOOR (1ST)  
A102 1/4" = 1'-0"

- GENERAL NOTES**
- DO NOT SCALE DRAWINGS. ALL DIMENSIONS AND CONDITIONS INDICATED IN THESE DOCUMENTS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION. FOR DIMENSIONS NOT SHOWN OR IN QUESTION, CONTRACTOR SHALL REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.
  - ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE FULLY REPLACED.
  - NEW GYPSUM BOARD CONSTRUCTION MEETING EXISTING GYPSUM BOARD CONSTRUCTION IN THE SAME SHALL BE FLUSH WITH NO VISIBLE JOINTS SHOWING.
  - CONTRACTOR TO PRESERVE ALL DRAINS AND CLEANOUTS UNLESS NOTED OTHERWISE BY KEYNOTES.
  - ALL EXISTING WORK, FURNISHINGS, EQUIPMENT OR MATERIAL TO REMAIN THAT ARE DAMAGED BY CONTRACTOR'S OPERATION UNDER THIS CONTRACT SHALL BE REIFIED OR REPAIRED AT NO ADDITIONAL COST TO OWNER.
  - ALL DRYWALL FINISH WORK TO BE FINISH LEVEL 4, U.N.O.
  - ALL INTERIOR PARTITIONS TO BE TYPE A1, U.N.O.
  - PATCH AND GROUT ALL HOLES AND DAMAGED PIECES OF CMU
  - SITE UTILITIES: CALL BEFORE YOU DIG - 811. SITE UTILITIES, CHECK FOR UTILITIES, STORM LINES, UNDERGROUND SPRINKLERS.

- WTI - SCOPE OF SERVICES**
- REMOVE EXISTING TILE FROM EDGE TO HIP, EIGHT FEET WEST OF THE EXISTING CHIMNEY TO THE EAST SIDEWALL. RETAIN TILES THAT ARE NOT DAMAGED OR DEFECTIVE FOR REUSE.
  - CLEAN AND PRIME EXISTING SELF ADHERED UNDERLAYMENT. INSTALL NEW SELF ADHERING UNDERLAYMENT. ANY UNDERLAYMENT THAT IS NOT SELF ADHERED SHALL BE REMOVED AND REPLACED WITH NEW SELF ADHERING UNDERLAYMENT.
  - REMOVE SECTIONS OF EXISTING DRIP EDGE AND GUTTER TO ACCOMMODATE NEW LARGER CHIMNEY. INSTALL END CAPS ON GUTTER (MATCH EXISTING METAL COLOR, TYPE, AND THICKNESS).
  - MODIFY EXISTING CRICKET BEHIND CHIMNEY TO ACCOMMODATE NEW LARGER CHIMNEY. DRY IN MODIFICATIONS WITH SELF ADHERING UNDERLAYMENT.
  - REINSTALL RETAINED ROOF TILE WITH #8 STAINLESS STEEL SCREWS. OWNER HAS A LIMITED SUPPLY OF ATTIC STOCK ROOF TILE WHICH MAY BE USED TO REPLACE DAMAGED OR DEFECTIVE ROOF TILES. CONTRACTOR TO SUPPLY ANY ADDITIONAL TILE REQUIRED.
  - INSTALL NEW SIDEWALL FLASHING AT CHIMNEY AND EAST WALL. INSTALL NEW BACKER FLASHING BEHIND CHIMNEY. INSTALL NEW COUNTERFLASHING AT CHIMNEY. EXISTING COUNTERFLASHING AT EAST WALL MAY BE REUSED IF IN ACCEPTABLE CONDITION. MATCH EXISTING METAL.
  - PROVIDE A 2 YEAR CONTRACTORS WARRANTY.



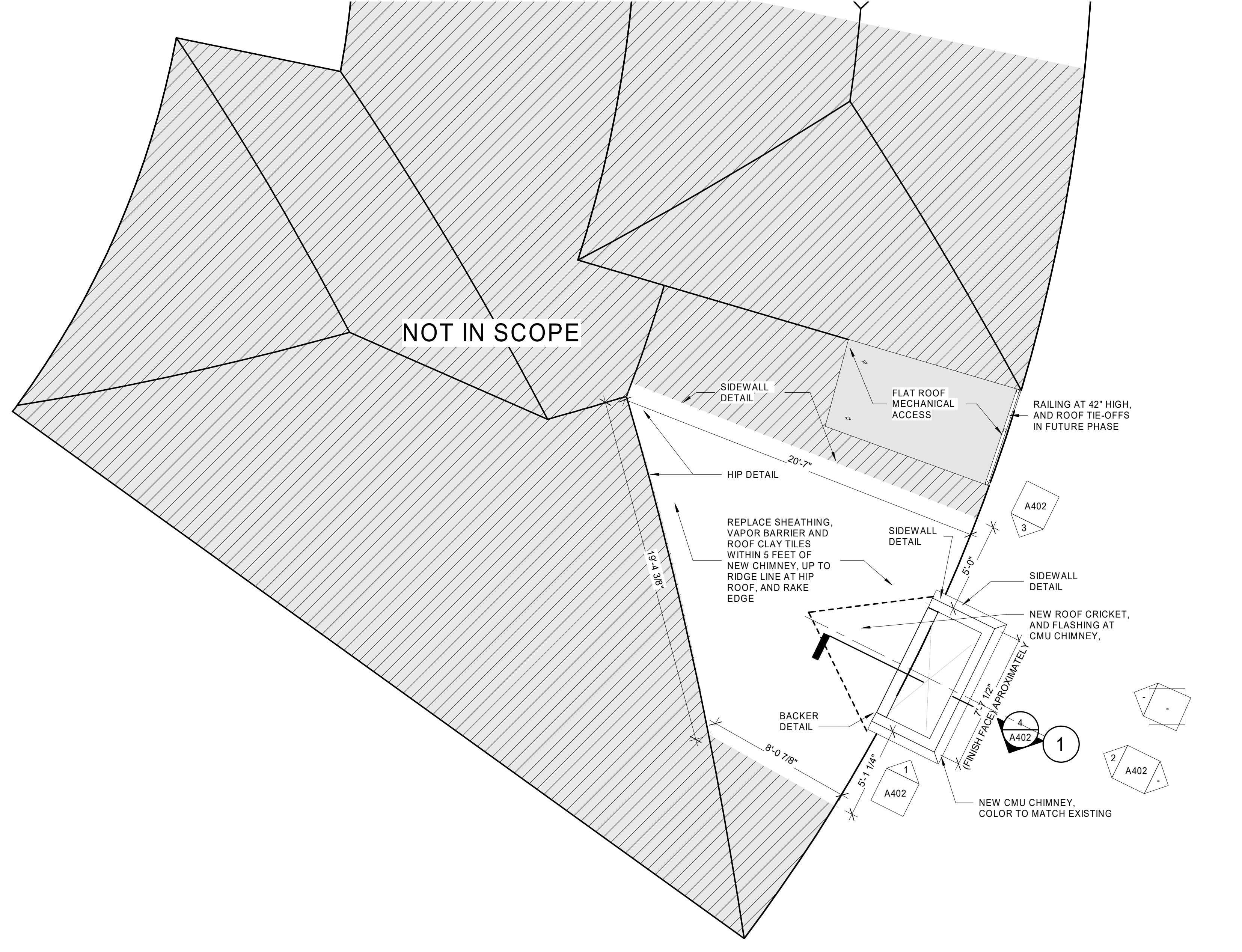
4 3D - PROPOSED CHIMNEY  
A102



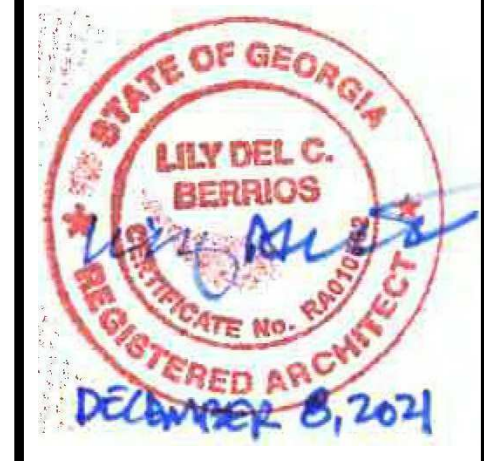
5 (PROPOSED) - ELEVATION OF MECH RM  
A102 1/4" = 1'-0"



2 (PROPOSED) - FLOOR PLAN UPPER FLOOR (5TH)  
A102 1/4" = 1'-0"

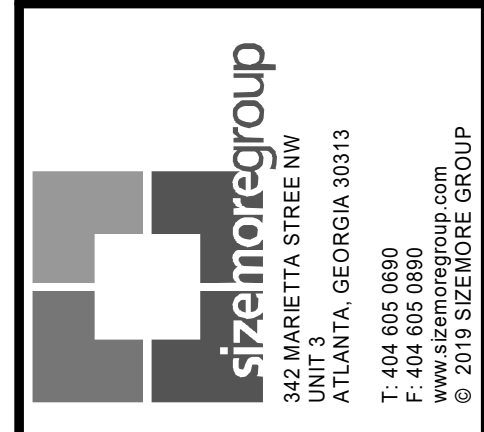


3 (PROPOSED) - ROOF PLAN AT NEW CHIMNEY  
A102 1/4" = 1'-0"



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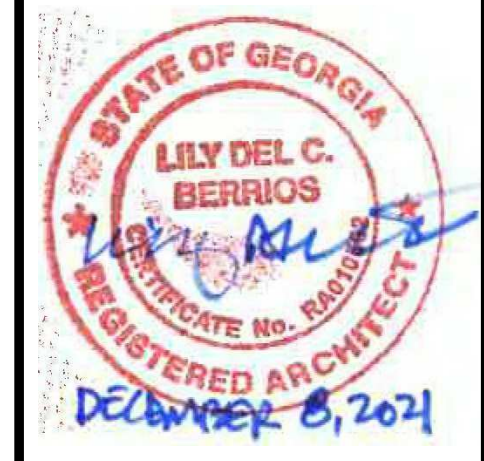


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**FLOOR PLANS - PROPOSED CHIMNEY**

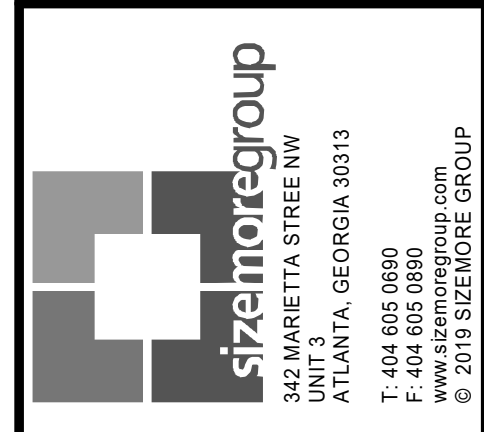
PROJECT # 21290EMOWDB  
DATE: 11/15/21  
DRAWN BY: A. TELKER  
CHECKED BY: K. SCOTT

**A102**  
SCALE: As indicated



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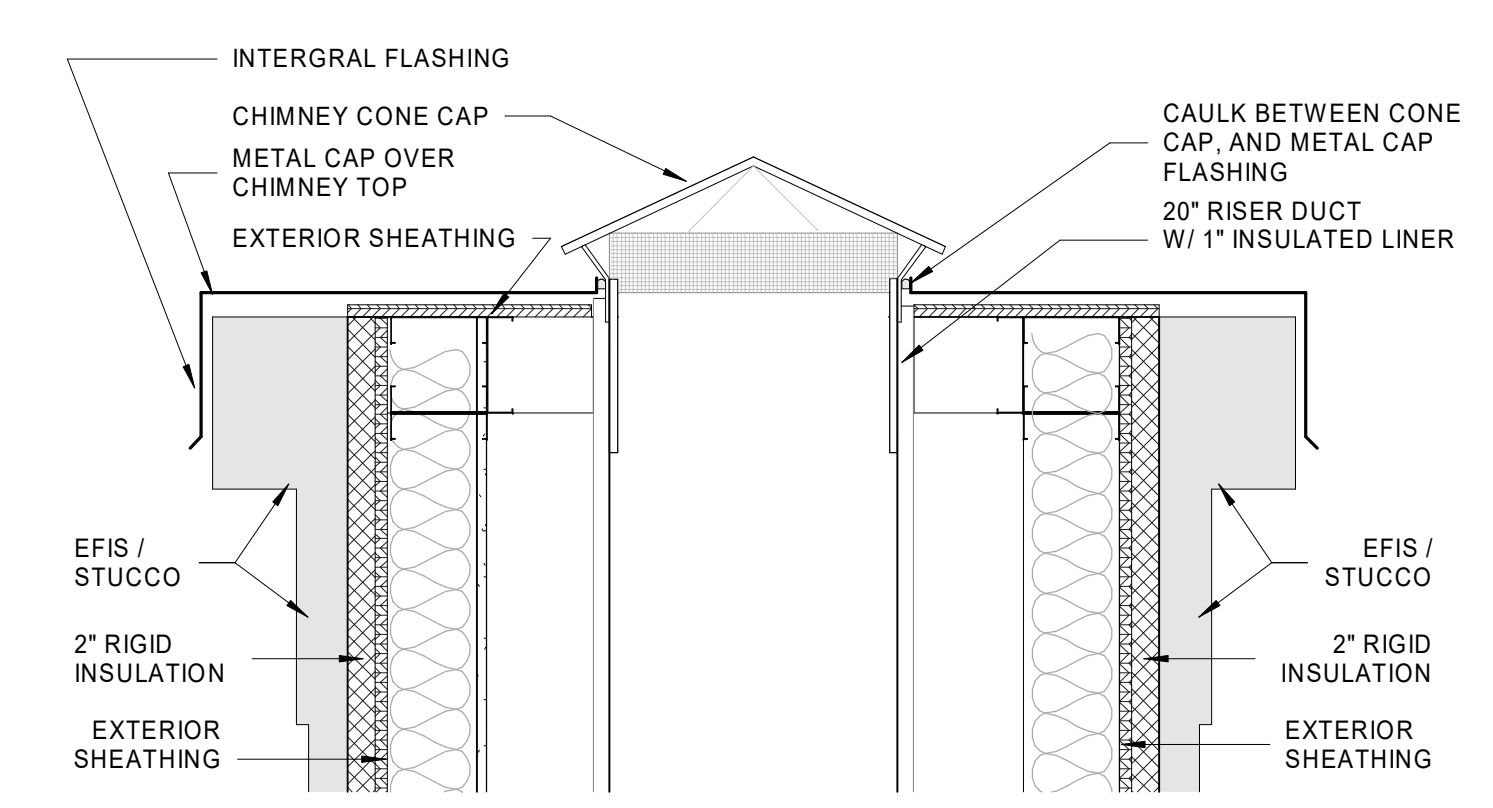
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**ELEVATIONS - (EXISTING / DEMO)**

PROJECT # 21290EMOWDB  
 DATE: 11/15/21  
 DRAWN BY: A. TELKER  
 CHECKED BY: K. SCOTT

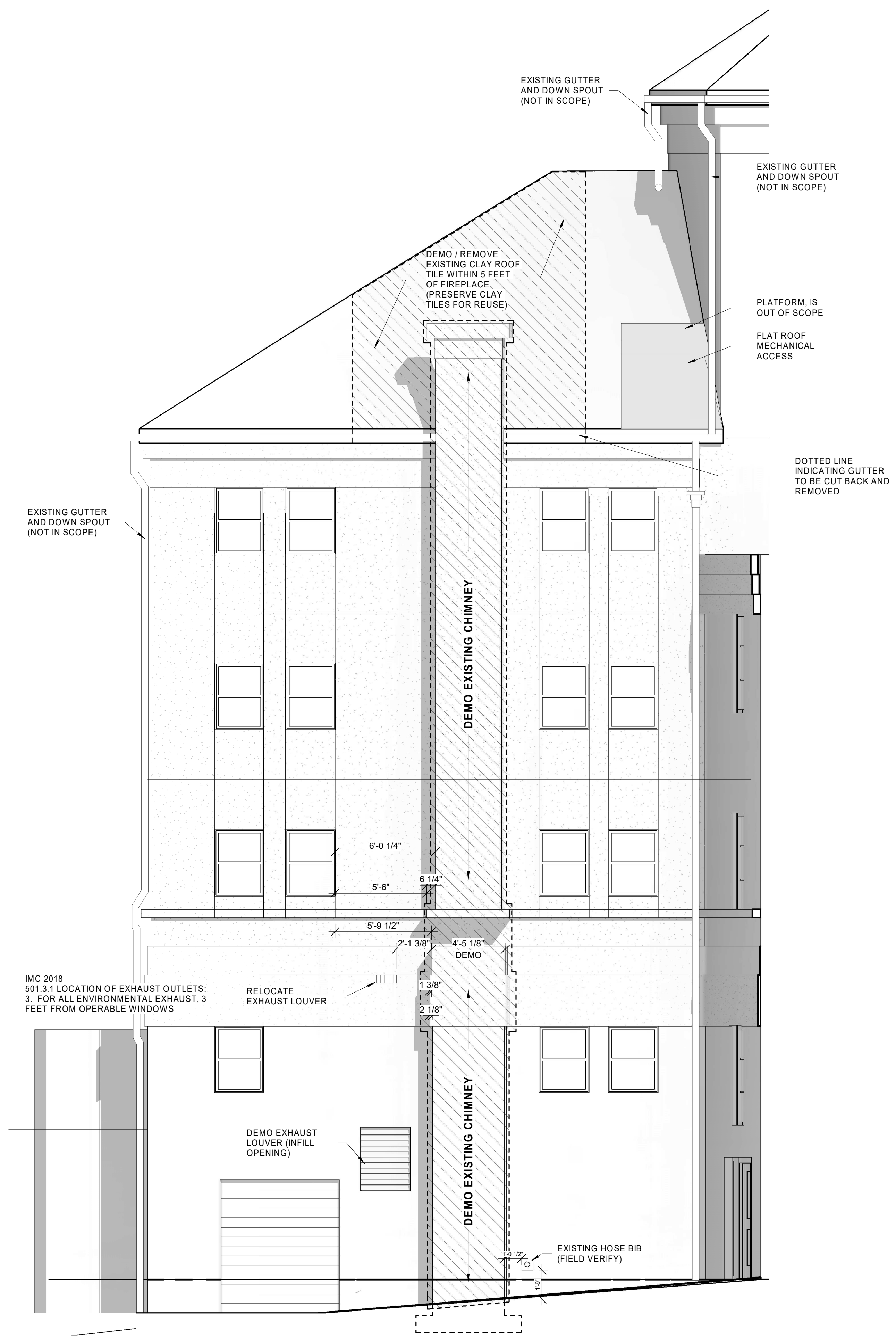
**A401**

SCALE: As indicated

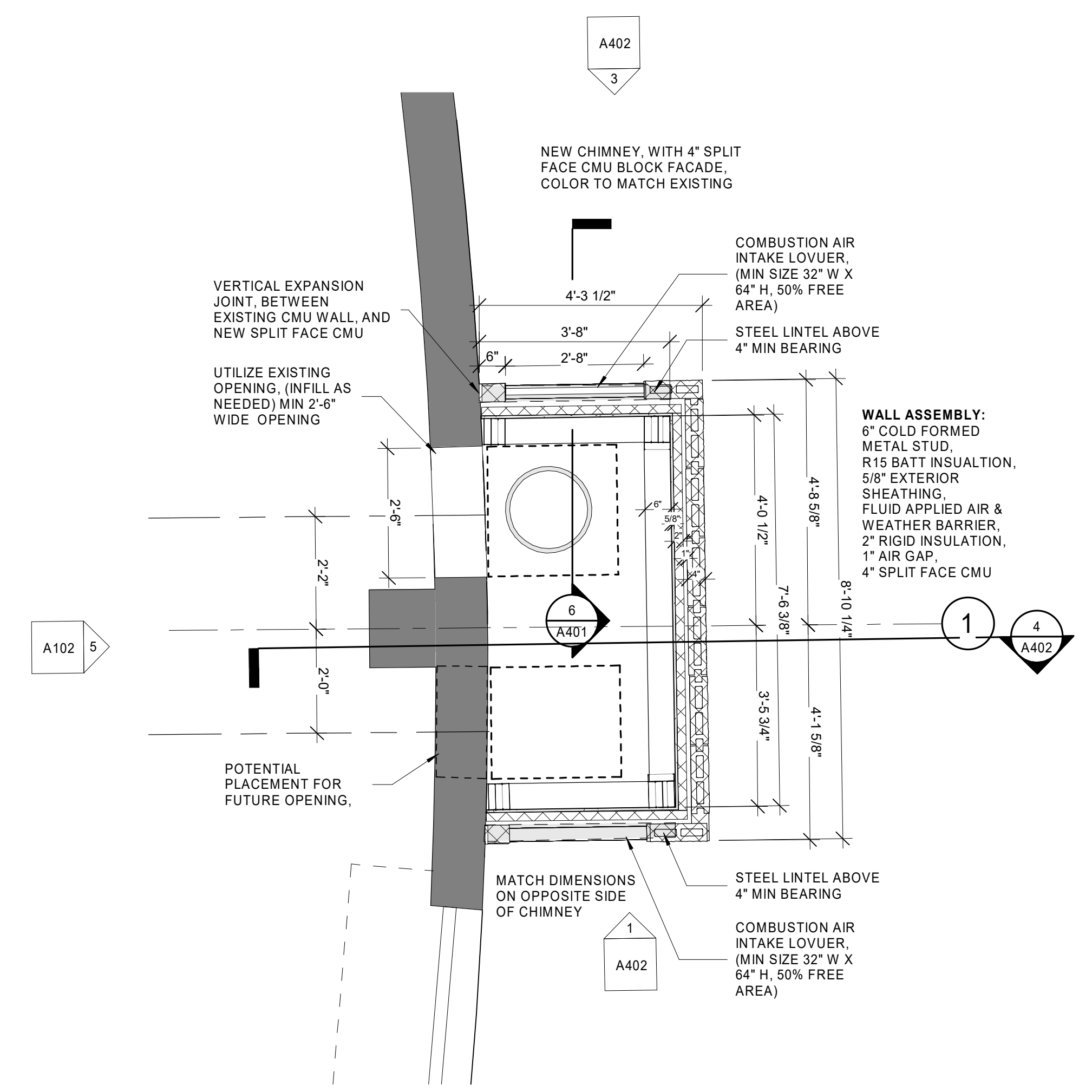


**7 CHIMNEY CONE CAP**  
 A401 1/8" = 1'-0"

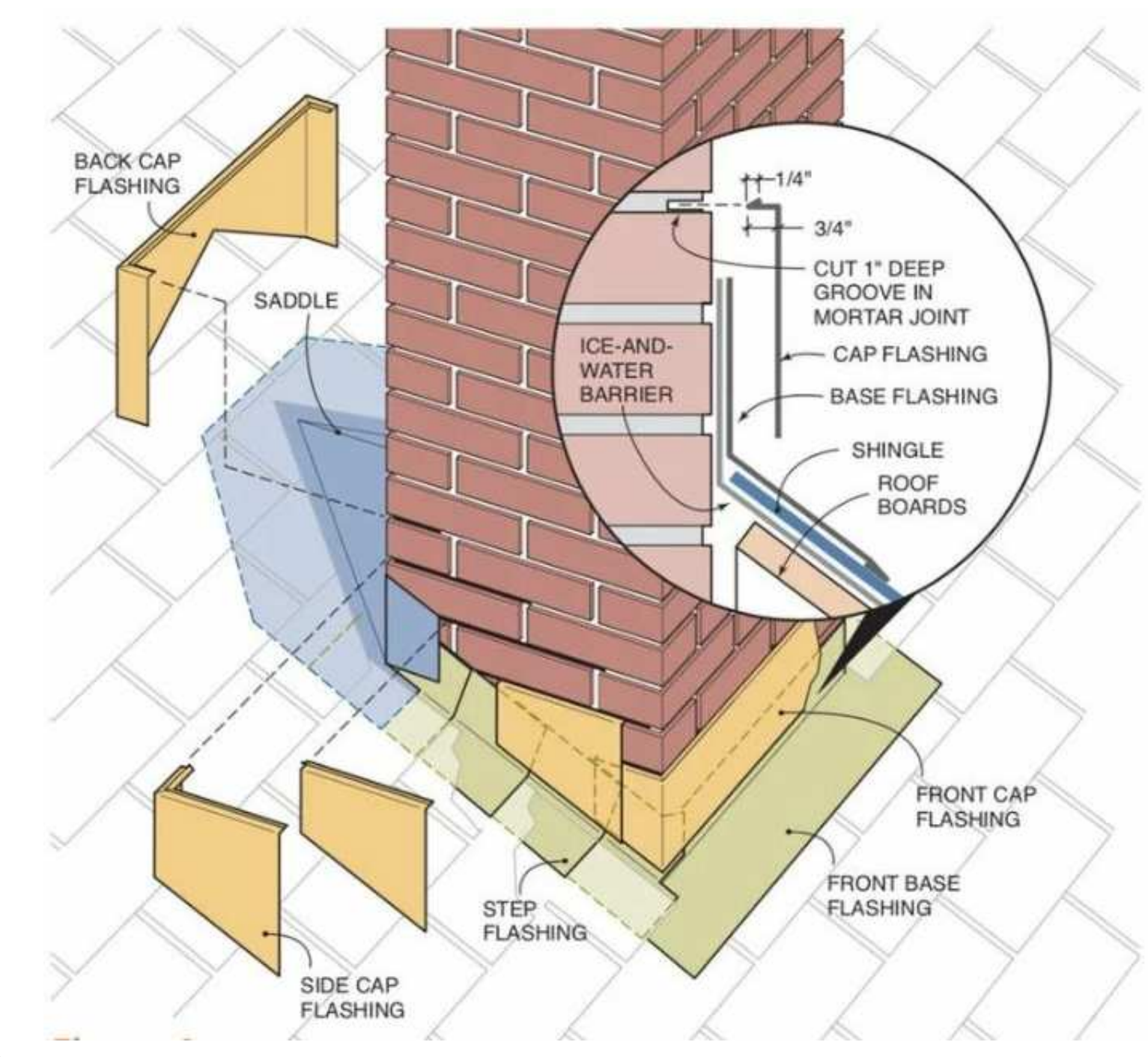
**8 CHIMNEY W/ CONE CAP**  
 A401 1" = 1'-0"



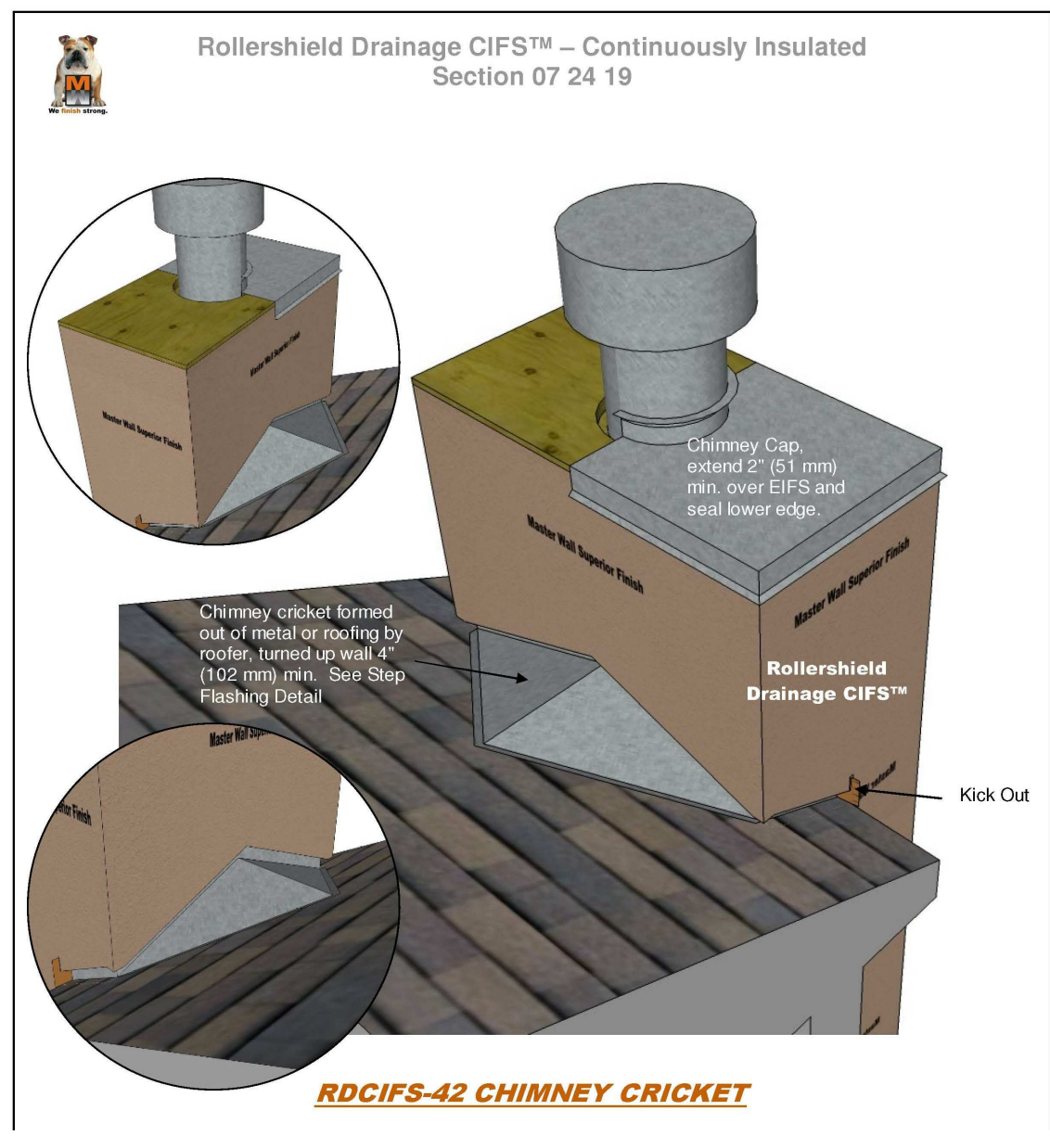
**EXISTING - ELEV**  
**9 (EXISTING / DEMO) - SOUTH ELEVATION**  
 A401 1/4" = 1'-0"



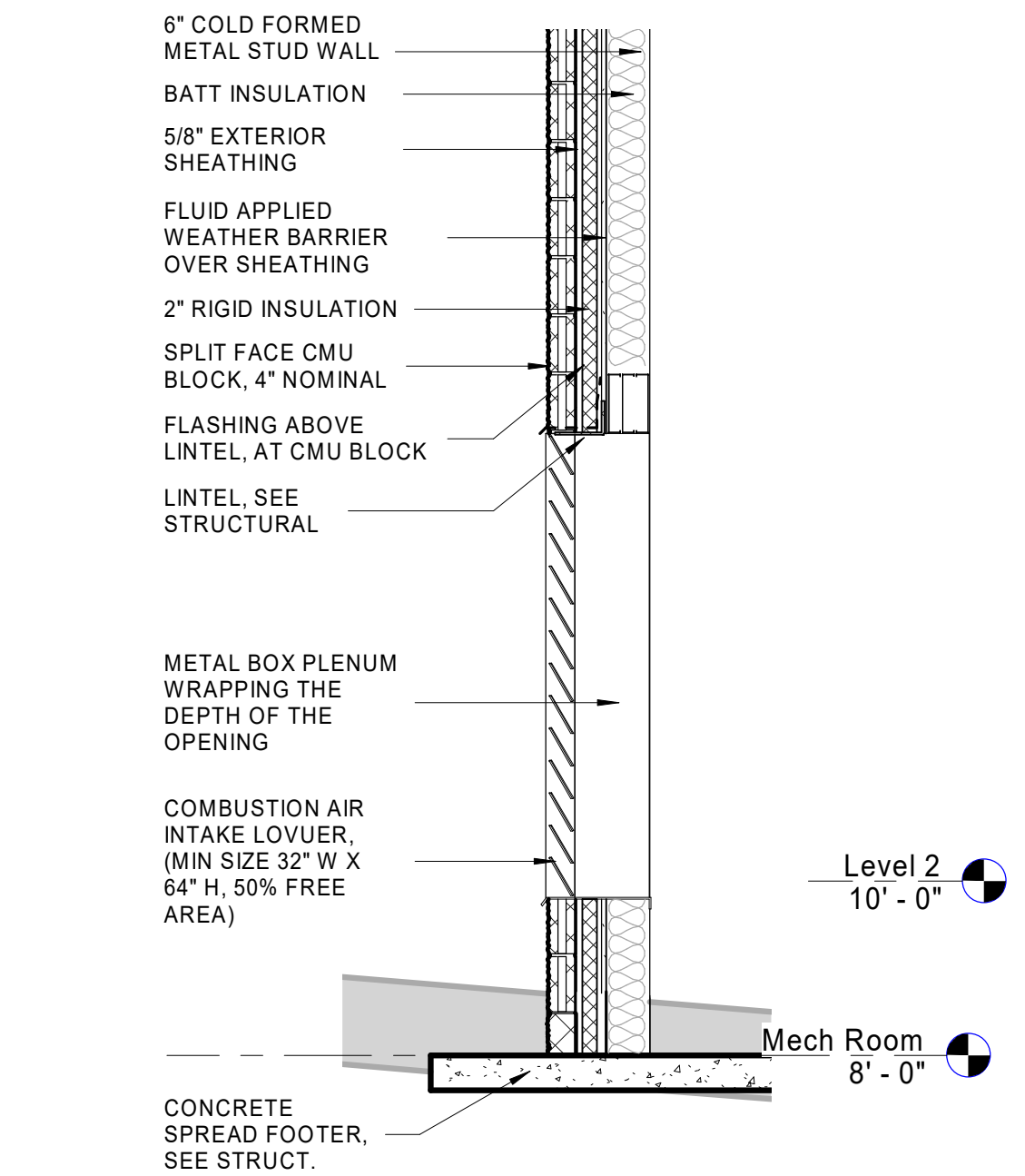
**(PROPOSED) - FLOOR PLAN MECH FLOOR (1ST) - Callout 1**  
 A401 1/2" = 1'-0"



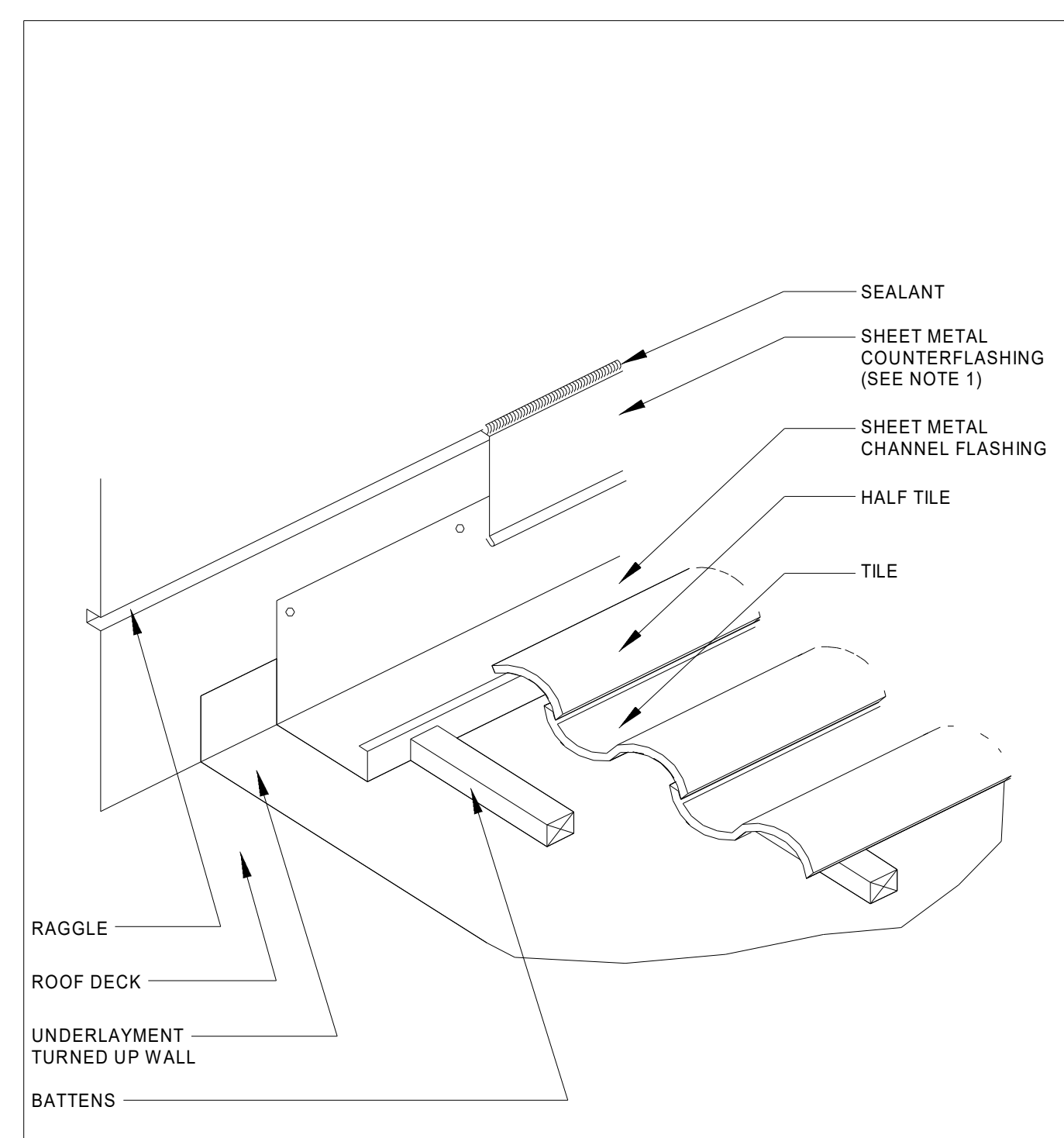
**4 CHIMNEY CRICKET**  
 A401 1/8" = 1'-0"



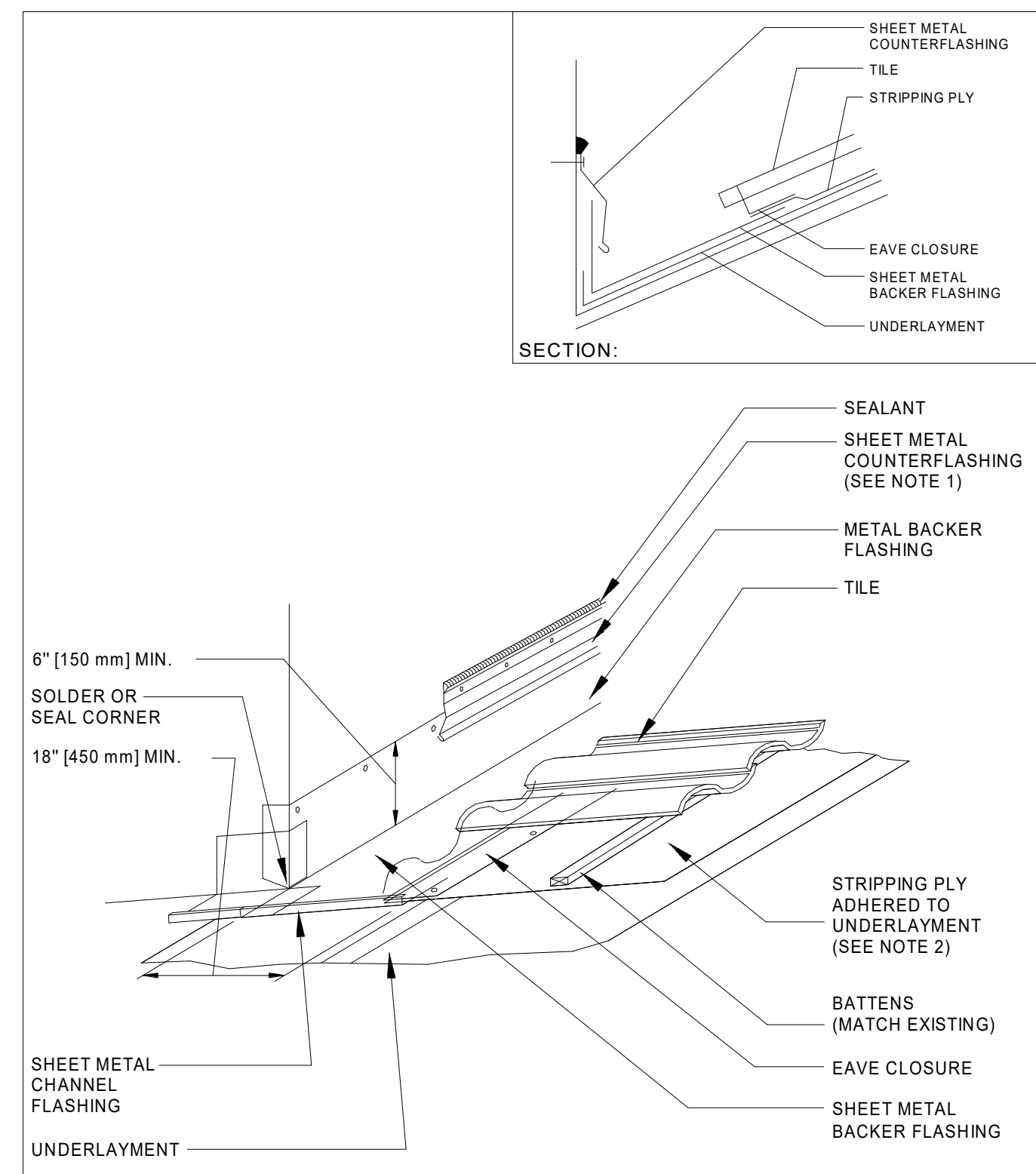
**5 CHIMNEY CAP**  
 A401 1/8" = 1'-0"



**6 SECTION AT LOUVER**  
 A401 1/2" = 1'-0"



**1 SIDEWALL FLASHING**  
 A401 12" = 1'-0"



**2 BACKER FLASHING**  
 A401 12" = 1'-0"

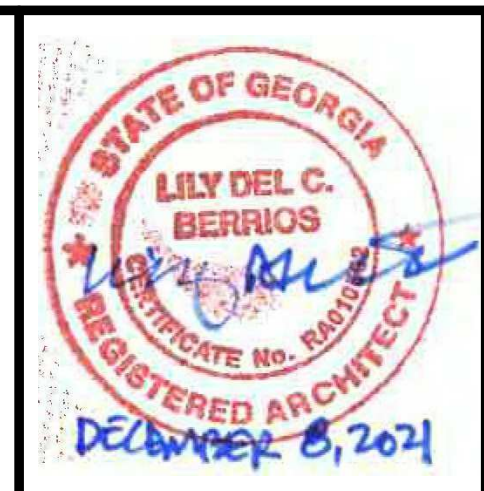
**2 BACKER FLASHING**  
 A401 12" = 1'-0"

NOTES:  
 1. ALTERNATE COUNTERFLASHING PROFILES CAN BE USED.  
 2. METAL CHANNEL FLASHING SHOULD BE CONTINUOUS ALONG LENGTH OF WALL.  
 3. WIDTH OF METAL CHANNEL FLASHING VARIES DEPENDING UPON TILE LAYOUT.

2001 NOT DRAWN TO SCALE TILE-2

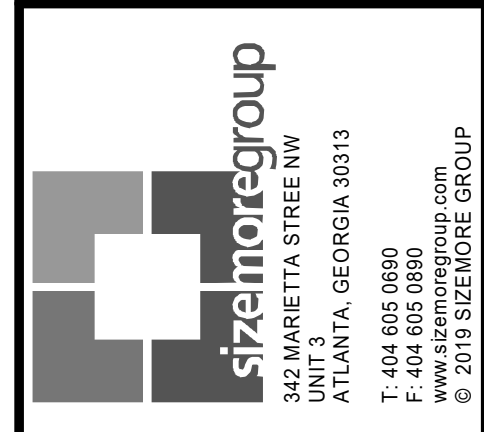
NOTES:  
 1. ALTERNATE COUNTERFLASHING PROFILES CAN BE USED.  
 2. IF STRIPPING IS NOT USED, UNDERLAYMENT MUST BE EXTENDED OVER BACKER FLASHING.  
 3. CRICKETS SHOULD BE CONSIDERED IN LIEU OF BACKER FLASHINGS DEPENDING UPON WIDTH, SLOPE AND CLIMATIC CONDITIONS.

2001 NOT DRAWN TO SCALE TILE-3



DATE	12/08/2021
DESCRIPTION	100% CONSTRUCTION DOCUMENTS
NO.	1

**EMORY UNIVERSITY - BOILER**  
 1495 CLIFTON ROAD  
 ATLANTA, GA 30322

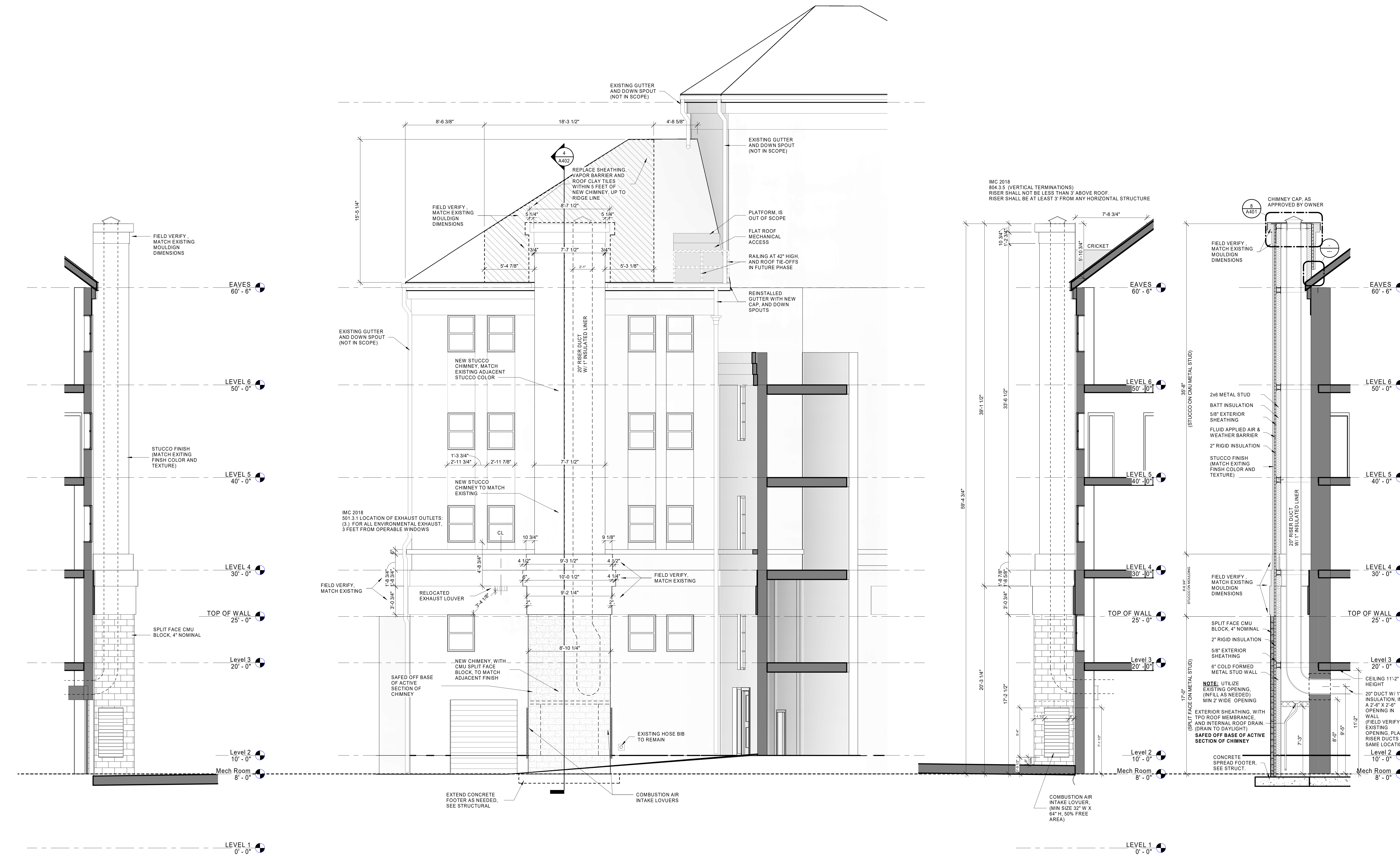


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**ELEVATIONS - (PROPOSED)**

PROJECT # 21290EMOWDB  
 DATE: 11/15/21  
 DRAWN BY: A. TELKER  
 CHECKED BY: K. SCOTT

**A402**  
 SCALE 1/4" = 1'-0"



**1 (PROPOSED) - WEST ELEVATION - NEW CHIMNEY**  
 A402 1/4" = 1'-0"

**2 (PROPOSED) - SOUTH ELEVATION - NEW CHIMNEY - 1**  
 A402 1/4" = 1'-0"

**3 (PROPOSED) - EAST ELEVATION - NEW CHIMNEY**  
 A402 1/4" = 1'-0"

**4 (PROPOSED) EAST SECTION - NEW CHIMNEY**  
 A402 1/4" = 1'-0"

ISSUED FOR CONSTRUCTION