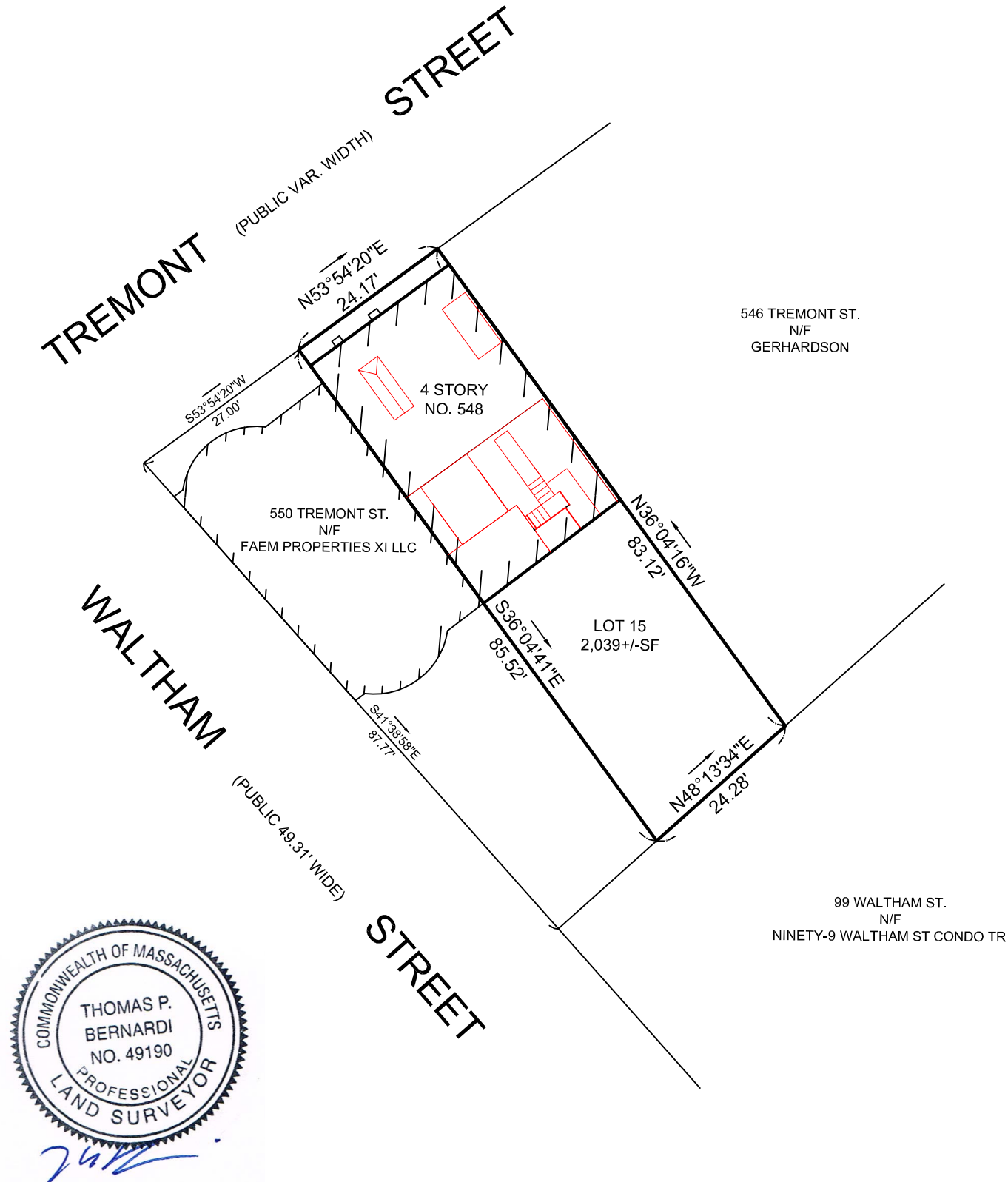


LOCATED AT
548 TREMONT STREET
BOSTON, MA

DATE: OCTOBER 18, 2024

GLOUCESTER, MA 01930
617-899-0703





Existing Photo

- GENERAL NOTES:
- ALL WORK SHALL COMPLY WITH STATE, NATIONAL CODES, REGULATIONS AND RESTRICTIONS WHICH APPLY TO THIS PROJECT.
 - THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE WORK.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND POSTING ALL NECESSARY VALID CONSTRUCTION PERMITS FROM ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION PRIOR TO THE START OF ON-SITE CONSTRUCTION.
 - THE CONTRACTOR SHALL KEEP ALL BUILDING MEANS OF EGRESS CLEAR OF ANY OBSTRUCTIONS AT ALL TIMES.
 - THE GENERAL CONTRACTOR MUST COORDINATE WITH THE BUILDING FACILITIES MANAGER ALL ACTIVITIES INCLUDING, BUT NOT LIMITED TO WORK WHICH WILL GENERATE EXCESSIVE NOISE NOISE AND MODIFICATION TO UTILITIES. WORK MUST NOT INTERFERE WITH EXISTING SMOKE DETECTORS, ALARMS OR BUILDING SYSTEM MANAGEMENT
 - THE GENERAL CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ANY TENANT DESIGN AND CONSTRUCTION MANUAL AND ANY OTHER BUILDING OWNER OR BUILDING STANDARDS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITIES, MATERIALS, MEANS AND METHODS. THE CONTRACTOR IS TO COORDINATE ALL SUBCONTRACTORS TO COMPLETE THE FULL SCOPE OF WORK AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPERLY LAYING OUT THE WORK AND FOR ALL LINES AND MEASUREMENTS FOR THE WORK.
 - BUILDING OR SITE COMPONENTS WHICH ARE AFFECTED OR DAMAGED BY THE WORK SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION AND COLOR, OR AS APPROVED BY THE OWNER.
 - WHERE THE DESIGN INTENT CANNOT BE DETERMINED FROM THE DRAWINGS, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. (312) 780-9456
 - THE CONTRACTOR SHALL VERIFY THE DIMENSIONS SHOWN ON THE DRAWINGS BEFORE LAYING OUT THE WORK, AND SHALL BE HELD RESPONSIBLE FOR ANY ERRORS OR INACCURACIES RESULTING FROM FAILURE TO DO SO.
 - DETAILS SHOWN ARE INDICATIVE OF THE CHARACTER, PROFILES, MATERIALS AND SYSTEMS REQUIRED FOR THE WORK INCLUDING THOSE CONDITIONS NOT COVERED BY SPECIFIC DETAILS.
 - DIMENSIONS SHALL GOVERN, DO NOT SCALE THE DRAWINGS. WHERE THERE APPEARS TO BE A CONFLICT OR WHERE DIMENSIONS CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
 - ALL DIMENSIONS ARE TO INSIDE FACE OF WALLS.
 - UNLESS SHOWN OTHERWISE, ALL DOORS SHALL BE LOCATED SUCH THAT THERE IS A 2 INCH WALL RETURN BETWEEN THE JAMB FRAME AND THE ADJACENT PERPENDICULAR WALL.
 - CONSULT WITH THE ARCHITECT OR ENGINEER BEFORE PENETRATING ANY JOISTS, BEAMS, OR OTHER STRUCTURAL MEMBERS
 - ALL CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE STORED NEATLY WITHIN THE SCOPE OF WORK AREA ONLY.
 - ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS
 - SUBMIT SHOP DRAWINGS AND SAMPLES FOR ALL STEEL, MILLWORK, SIGNAGE, HARDWARE AND INTERIOR FINISHES
 - SUBMIT PRODUCT DATA FOR FIXTURES AND HARDWARE
 - ALL INTERIOR AND EXTERIOR FINISHES, COLORS AND MATERIALS ARE TO BE SELECTED AND APPROVED BY THE OWNER PRIOR TO CONSTRUCTION
 - ALL INTERIOR FINISHES AND FURNISHINGS ARE TO BE CLASS 'A' FIRE RATED AND ARE TO COMPLY WITH MASSACHUSETTS BUILDING CODE AND THE BOSTON FIRE CODE
 - ALL WOOD COMPONENTS SHALL BE FIRE TREATED
 - CONFIRM THAT ALL MATERIALS AND FINISHES, INCLUDING THEIR FABRICATION AND INSTALLATION WILL NOT RELEASE FUMES OR AROMAS WHICH MAY BE A HAZARD OR NUISANCE TO PERSONNEL
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PANEL CONTROL AND CIRCUIT DESIGN AND FOR COMPLIANCE WITH ALL BUILDING, LIFE SAFETY, AND STATE AND NATIONAL ELECTRICAL CODES WHICH MAY APPLY
 - ALL EXPOSED UTILITY WIRES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS AND CEILINGS; THEY SHALL BE INSTALLED A MINIMUM OF 6" OFF OF FLOORS AND 1' OFF OF WALLS, CEILINGS OR ADJACENT PIPES OR WIRES
 - WHERE APPROPRIATE, EXISTING SPRINKLER HEADS ALARM SYSTEM AND DETECTORS ARE TO REMAIN. MODIFY LOCATIONS ONLY WHERE CEILING IS ALTERED OR AS INDICATED ON FIRE PROTECTION DRAWINGS.
 - EQUIPMENT INFORMATION AND SPECIFICATIONS, INCLUDING EQUIPMENT SUPPLIED BY THE OWNER, ARE TO BE THE MOST CURRENT AT THE TIME OF DOCUMENTATION PREPARATION.
 - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT DIMENSIONS AND EQUIPMENT CONNECTION REQUIREMENTS.
 - MAKE ALL FINAL CONNECTIONS, INSTALL THE SET UP IN WORKING ORDER, CHECK WARRANTIES, TEST AND NOTE VOID WARRANTIES.
 - COORDINATE WITH THE OWNER DELIVERY, STORAGE AND INSTALLATION OF ALL EQUIPMENT, INCLUDING THAT SUPPLIED BY THE OWNER.
 - PROVIDE ALL TEMPORARY FACILITIES AND SERVICES, CONSTRUCTION AND SUPPORT FACILITIES AND SECURITY AND PROTECTION AS NEEDED TO PROTECT NEW AND EXISTING CONSTRUCTION FOR THE DURATION OF THE WORK
 - ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE UNLESS OTHERWISE SPECIFIED FOR A LONGER PERIOD OF TIME FOR A CERTAIN ITEM
 - SEAL AND CAULK AROUND ALL PENETRATIONS, CRACKS AND CREVICES AND ANY OPENINGS CAPABLE OF HARBORING INSECTS OR RODENTS
 - EMPLOY EXPERIENCED WORKERS FOR FINAL CLEANING, CLEAN TO COMMERCIAL BUILDING PROGRAM STANDARDS
 - DISPOSE OF ALL WASTE AND DEBRIS OFF THE PREMISES

548 Tremont St. Unit 5

Boston, Massachusetts

Owner: Ralph Tedeschi & Sophie Bellemare

ELEVATION TARGET



INTERIOR ELEVATION TARGET



DETAIL TARGET



WINDOW TARGET



APPLICABLE CODES:

- BUILDING CODE: CMR 780 MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION (AMENDED INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL RESIDENTIAL CODE 2015 AND THE 2015 INTERNATIONAL EXISTING BUILDING CODE W/ MASSACHUSETTS AMENDMENTS)
- ACCESSIBILITY: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD CMR 521 AND UNIFORM FEDERAL ACCESSIBILITY STANDARDS
- FIRE PROTECTION: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE CMR 527 1.00 - 2015 NFPA 1: FIRE CODE WITH AMENDMENTS
- ELECTRICAL: 527 CMR 12.00 MASSACHUSETTS ELECTRICAL CODE - 2020 NFPA 70 NATIONAL ELECTRICAL CODE WITH AMENDMENTS
- MECHANICAL: INTERNATIONAL MECHANICAL CODE 2015 W/ AMENDMENTS
- PLUMBING: 248 CMR BOARD OF STATE EXAMINERS OF PLUMBERS AND GAS FITTERS - UNIFORM STATE PLUMBING CODE
- ENERGY: INTERNATIONAL ENERGY CONSERVATION CODE 2021 (IECC)
- AMERICANS WITH DISABILITIES ACT
- BOSTON ZONING CODE
- MGL CH. 148 SECTION 26G

BUILDING DESCRIPTION:

A NEW ROOF DECK ADDED ON THE EXISTING BUILDING

CODE SUMMARY:

- PROPOSED USE OR OCCUPANCY: RESIDENTIAL - R-2
 - OCCUPANT LOAD: (200 GROSS SF/PERSON PER TABLE 1004.1.2) APPROX. 1339 SF = 6 PERSONS
- CONSTRUCTION TYPE: V.B. - TABLE 504.4
 - PER TABLE 601: STRUCTURAL FRAME, BEARING WALLS, FLOORS AND ROOF ARE NOT REQUIRED TO BE RATED
 - 2.2 MAX. AREA IS 12,000 PER FLOOR PER TABLE 506 AND MAXIMUM HEIGHT IS 3 STORIES ABOVE GRADE - 504.4
- PER TABLE 1006.3.2(1) FOR USE GROUP R-2 - ONLY ONE EXIT IS REQUIRED WHEN THERE ARE LESS THAN FOUR STORIES AND 4 DWELLING UNITS OR LESS PER STORY. TRAVEL DISTANCE IS LIMITED TO 125'
- MINIMUM WIDTH OF EGRESS STAIR: 36 INCHES PER SECTION 1011.2
- MAXIMUM LENGTH OF EXIT TRAVEL: 250 FEET PER 1017.2
- FIRE RATED CONSTRUCTION:
 - 6.1 PER TABLE 602, IN V.B. CONSTRUCTION EXTERIOR WALLS MORE THAN 10' FROM PROPERTY LINE ARE NOT REQUIRED TO BE RATED, 10' OR LESS MUST BE 1 HOUR RATED.
 - 6.2 DEMISING PARTITION/CORRIDORS MUST BE 1 HOUR IN A TYPE V.B BUILDING 420.2 AND 708.3
 - 6.3 HORIZONTAL SEPARATION BETWEEN DWELLING UNITS: 1 HOUR IN A TYPE V.B BUILDING PER 420.3 AND 711.2.4.3 - REFER TO DETAIL ON A-20
 - 6.4 STAIRWAYS CONNECTING 4 OR MORE STORIES ARE TO BE 2 HOUR RATED, STAIRS CONNECTING LESS THAN 4 STORIES ARE TO BE 1 HOUR RATED PER 1023.2
 - 6.5 PER TABLE 716.5: 1 HOUR ENCLOSURES AND EXIT ACCESS SHALL HAVE 1 HOUR DOORS. 1 HOUR AND 1/2 HOUR CORRIDORS SHALL HAVE A MINIMUM 20 MIN. RATED DOOR. 2 HOUR ENCLOSURES AND EXIT ACCESS SHALL HAVE 90 MINUTE RATED DOORS.
- DEMISING PARTITION MINIMUM: STC 50 PER SECTION 1207.2 AND MIN. 50 IIC BETWEEN FLOORS
- ACCESSIBILITY REQUIREMENTS:
 - 8.1 CMR 521 9.3 - EXISTING BUILDINGS RENOVATED FOR RESIDENTIAL USE ARE EXEMPT FROM MAAB REQUIREMENTS PER 521 CMR; ARCHITECTURAL ACCESS BOARD, PARAGRAPH 9.2.1

ENERGY REQUIREMENTS:

- MASSACHUSETTS ENERGY STRETCH CODE, CHAPTER 4 - RESIDENTIAL ENERGY EFFICIENCY - RESIDENTIAL BUILDINGS, INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2021
- CLIMATE ZONE 5 PER TABLE 301.1
- EXISTING WALLS AND CEILINGS: FILL EXISTING WALL AND CEILING CAVITIES WITH INSULATION PER IECC 503.1
- PER IECC TABLE 402.4, FIXED FENESTRATION SHALL HAVE A U-FACTOR OF 0.36 OR BETTER; OPERABLE FENESTRATION SHALL HAVE A U-FACTOR OF 0.45 OR BETTER, AND SHGC 0.33 OR BETTER.
- SKYLIGHTS SHALL HAVE A U-FACTOR OF 0.5 OR BETTER, SHGC OF 0.4 OR BETTER PER 402.4.
- VAPOR RETARDER IS REQUIRED TO COMPLY WITH R402.1.1 OF THE IECC AND R702.7 OF THE INTERNATIONAL RESIDENTIAL CODE. VAPOR RETARDER IS NOT REQUIRED IN BASEMENT OR BELOW GRADE WALLS.
- R402.1.3 - CEILING: R=60; WOOD FRAME WALL: R-20 (CAVITY)+ 5 (CONTINUOUS); FLOOR R=30; BASEMENT WALLS AND CRAWL SPACES: R=15 CONTINUOUS OR R=19 IN CAVITY OR R=13 IN CAVITY WITH R=5 CONTINUOUS; SLAB R=10d TO 4'
- DEMAND RECIRCULATION WATER SYSTEMS SHALL HAVE CONTROLS THAT COMPLY WITH REQUIRED CODES
- REFER TO PLUMBING DRAWINGS FOR INSULATION AT PIPING.

ZONING ANALYSIS:	MFR/LS	EXISTING	PROPOSED	COMMENTS
LOT AREA MIN.	None	1,072 SF	UNCHANGED	
MIN. LOT WIDTH	None	-	UNCHANGED	
MIN. LOT FRONTAGE	None	-	UNCHANGED	
MAX. F.A.R.	2.0	-	UNCHANGED	
MAX. HEIGHT (STORIES/FEET)	70'	-	UNCHANGED	
USABLE OPEN SPACE / UNIT	200	-	UNCHANGED	
MIN. FRONT YARD SETBACK	None	-	UNCHANGED	
MIN. SIDE YARD SETBACK	None	-	UNCHANGED	
MIN. REAR YARD SETBACK	20	-	UNCHANGED	
PARKING REQUIREMENT	0.5 / UNIT	-	UNCHANGED	

LIST OF DRAWINGS

- | | |
|------|----------------------------------|
| A-01 | ANALYSIS, DRAWING LIST AND NOTES |
| A-10 | PROPOSED PLANS |
| A-30 | PROPOSED ELEVATIONS |
| A-40 | PROPOSED SECTIONS |
| X-A1 | EXISTING PLANS |



Eric Johnson

548 Tremont St.
Unit 5

Ralph Tedeschi & Sophie
Bellemare

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Boston,
Massachusetts

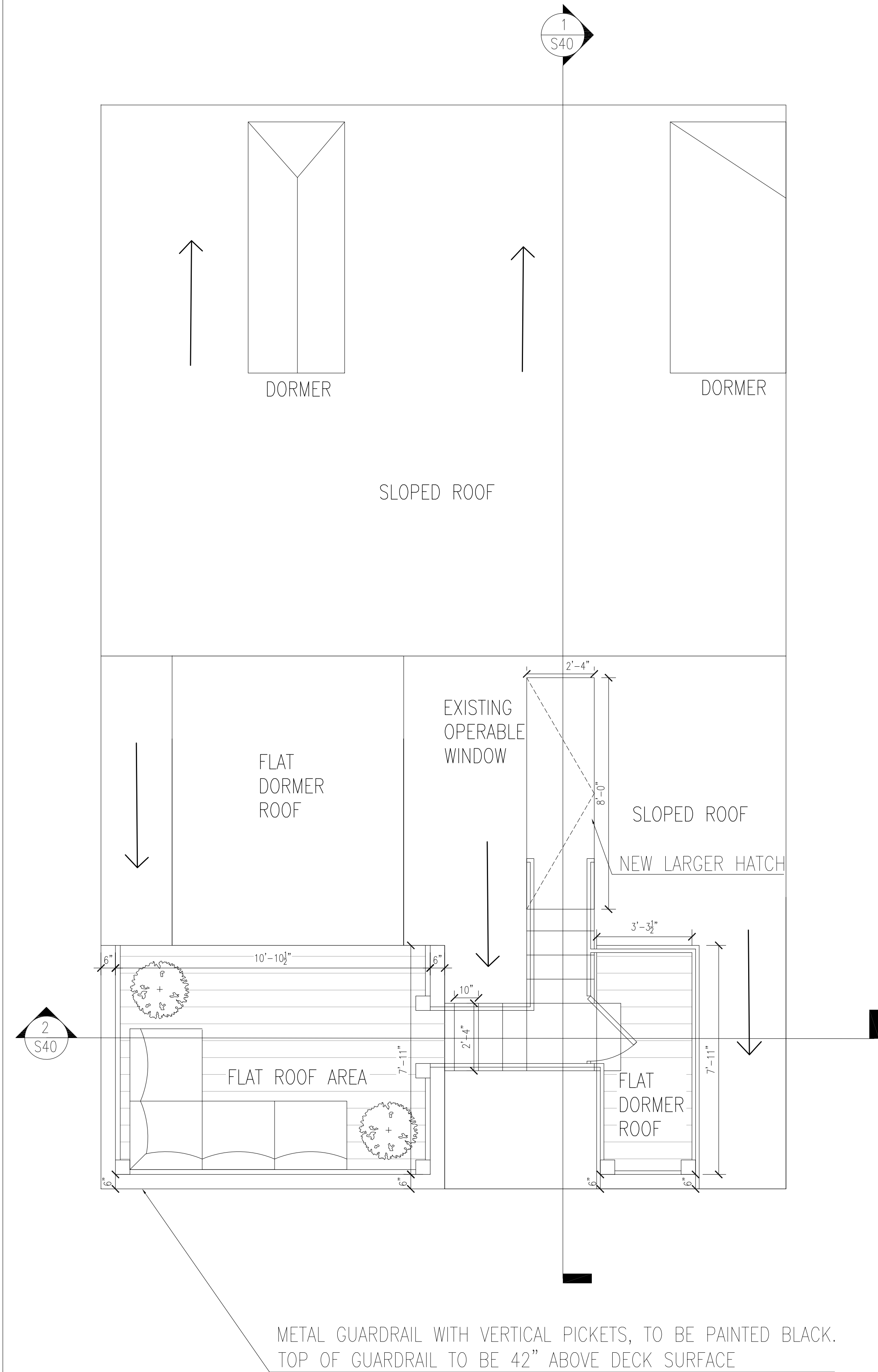
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No. Description Date

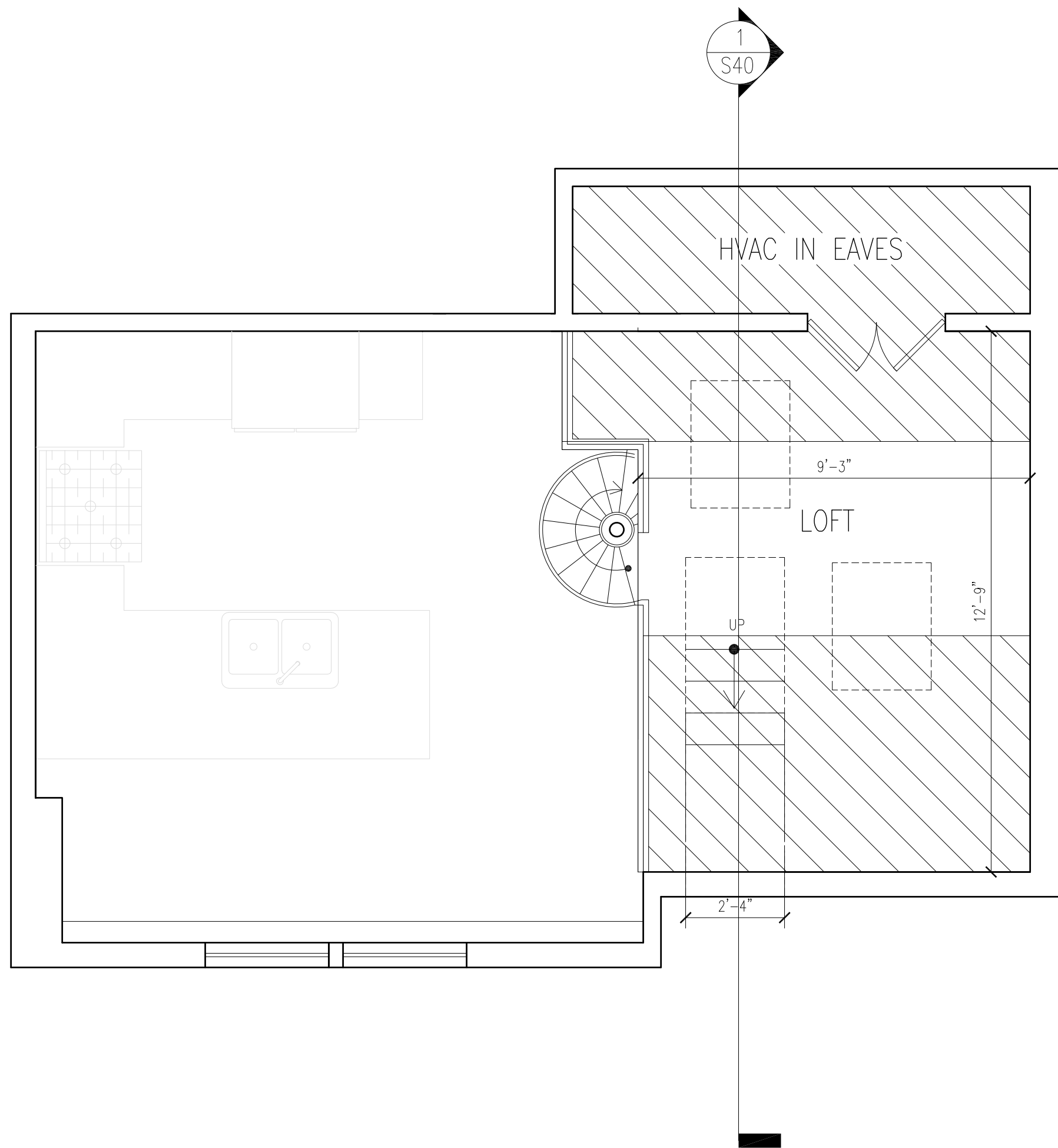
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Project No.: 0684 Checked by: EZ

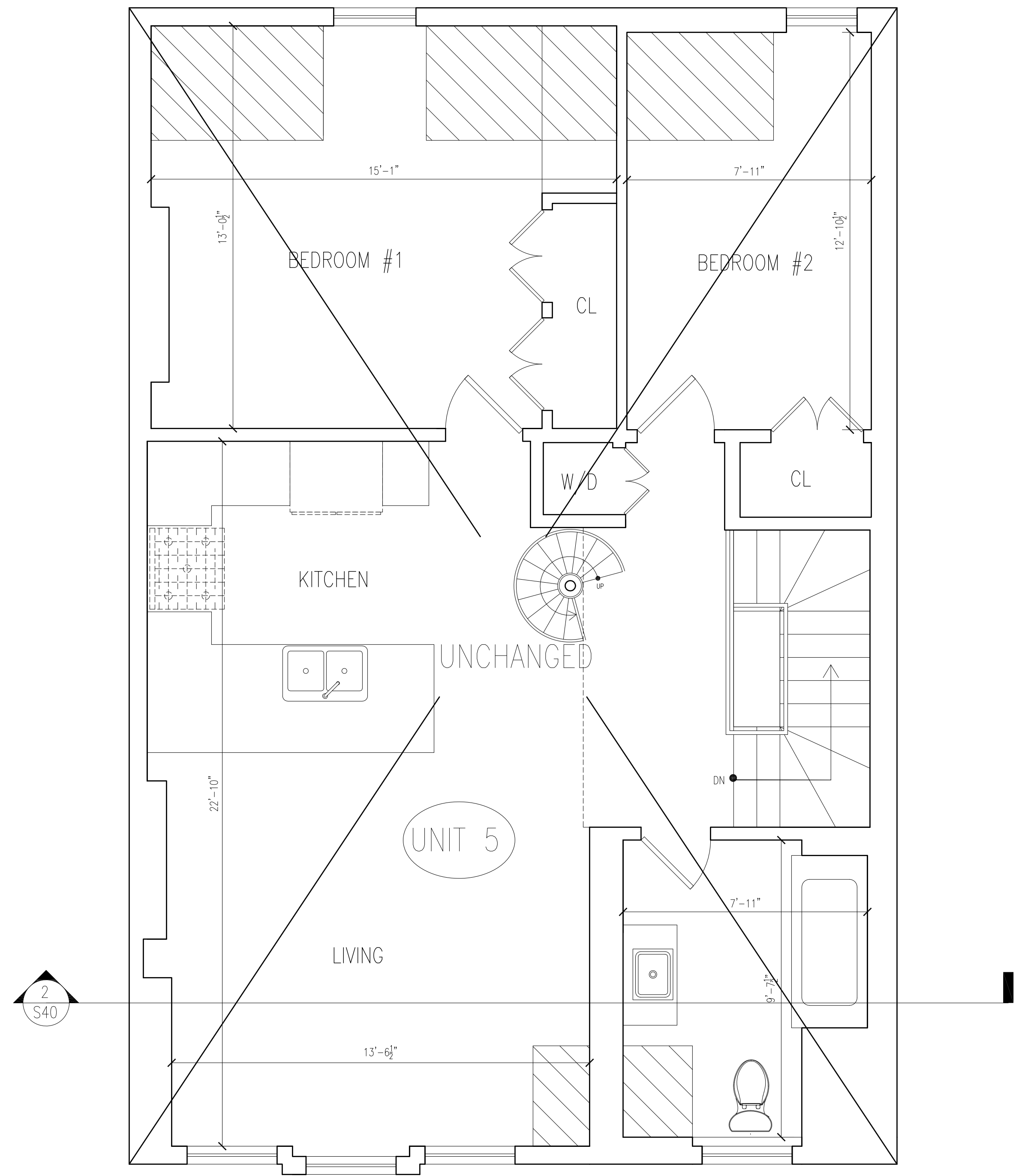
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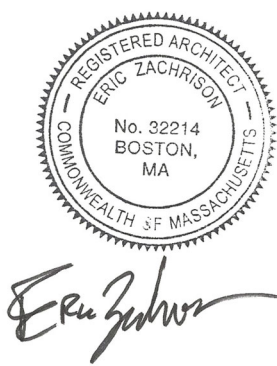
R ROOF PLAN
SCALE: 3/8" = 1'-0"



L LOFT PLAN
SCALE: 3/8" = 1'-0"



4 LEVEL 4 PLAN
SCALE: 3/8" = 1'-0"



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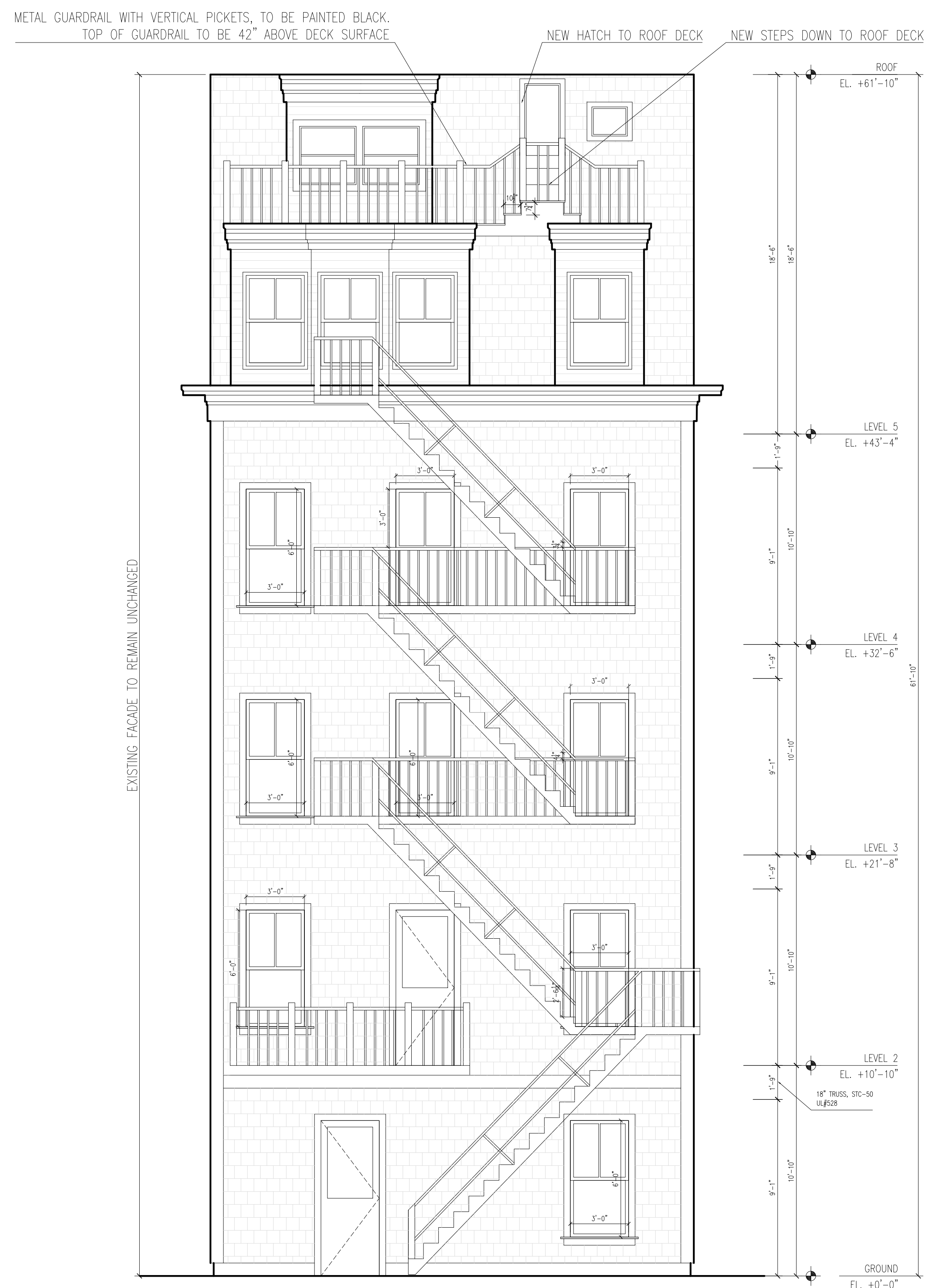
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Massachusetts

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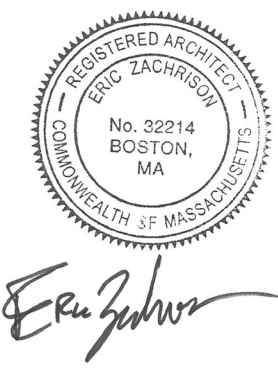
A-10



1 EXISTING REAR ELEVATION
SCALE: 1/4" = 1'-0"



2 PROPOSED REAR ELEVATION
SCALE: 1/4" = 1'-0"



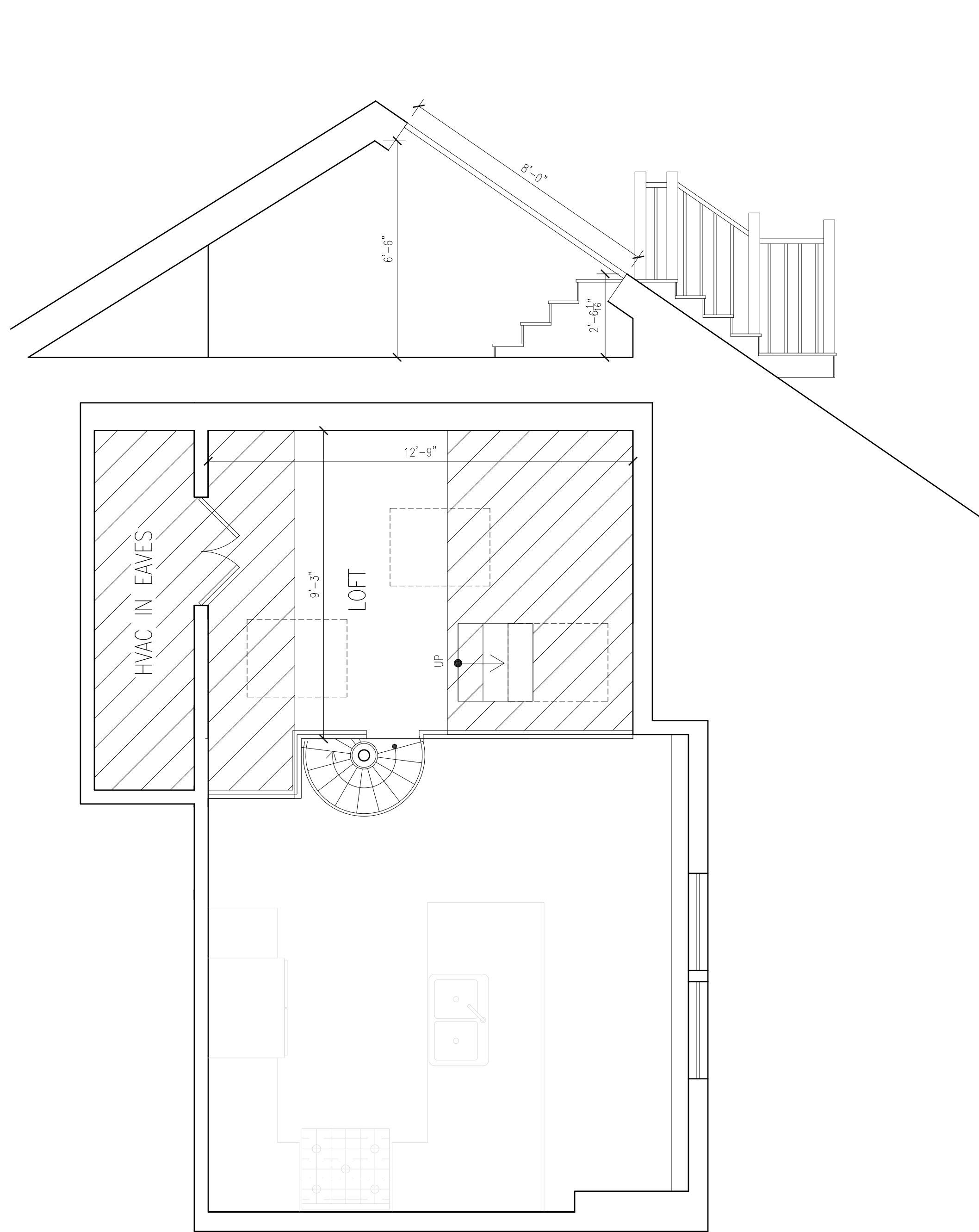
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No.	Description	Date
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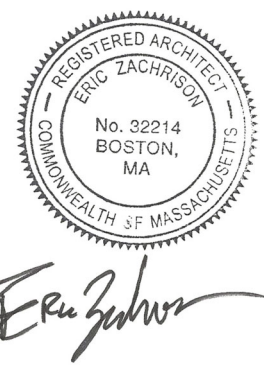
A-30



S ROOF SECTION 1
SCALE: 3/8" = 1'-0"



S ROOF SECTION 2
SCALE: 3/8" = 1'-0"



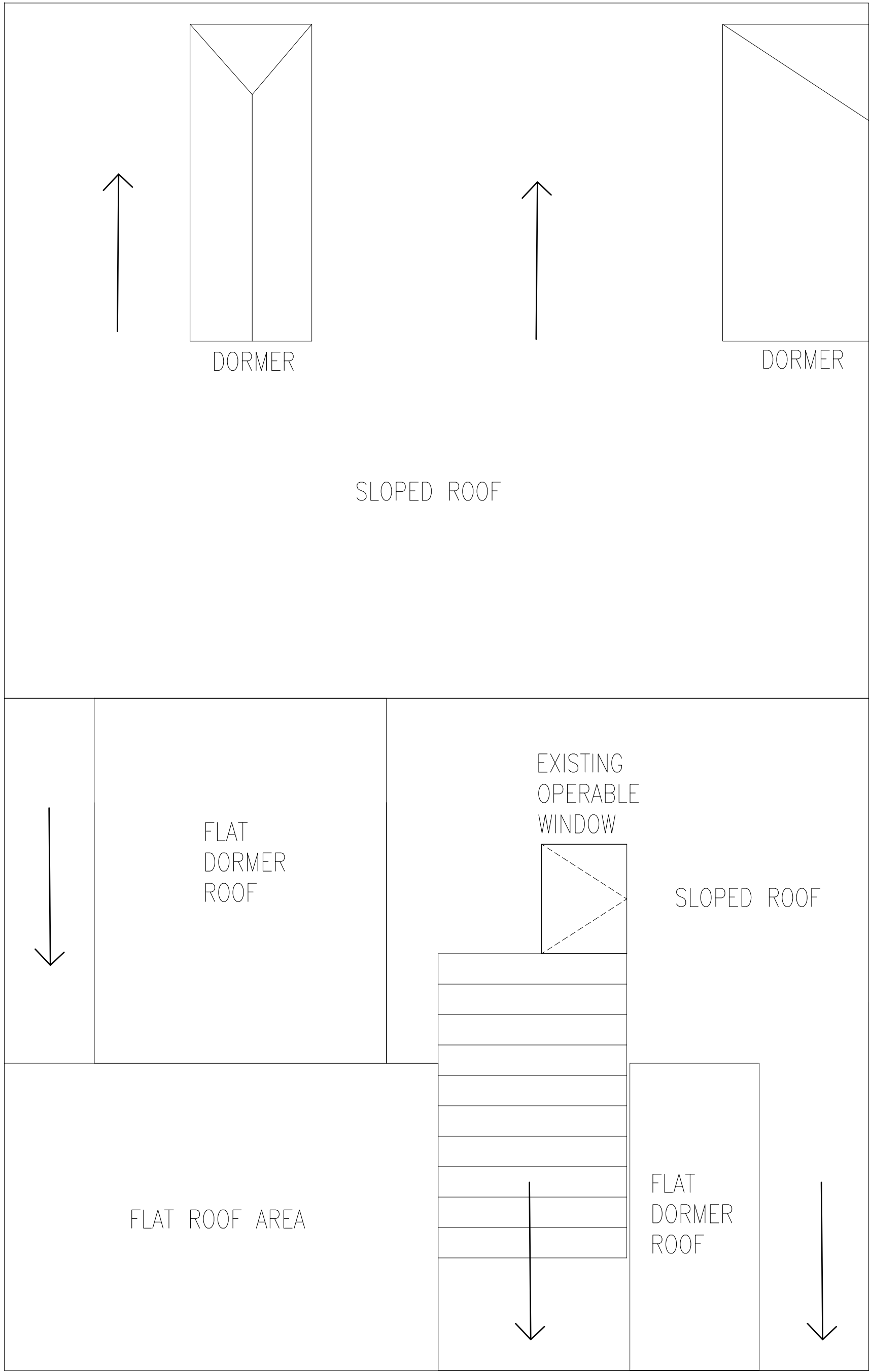
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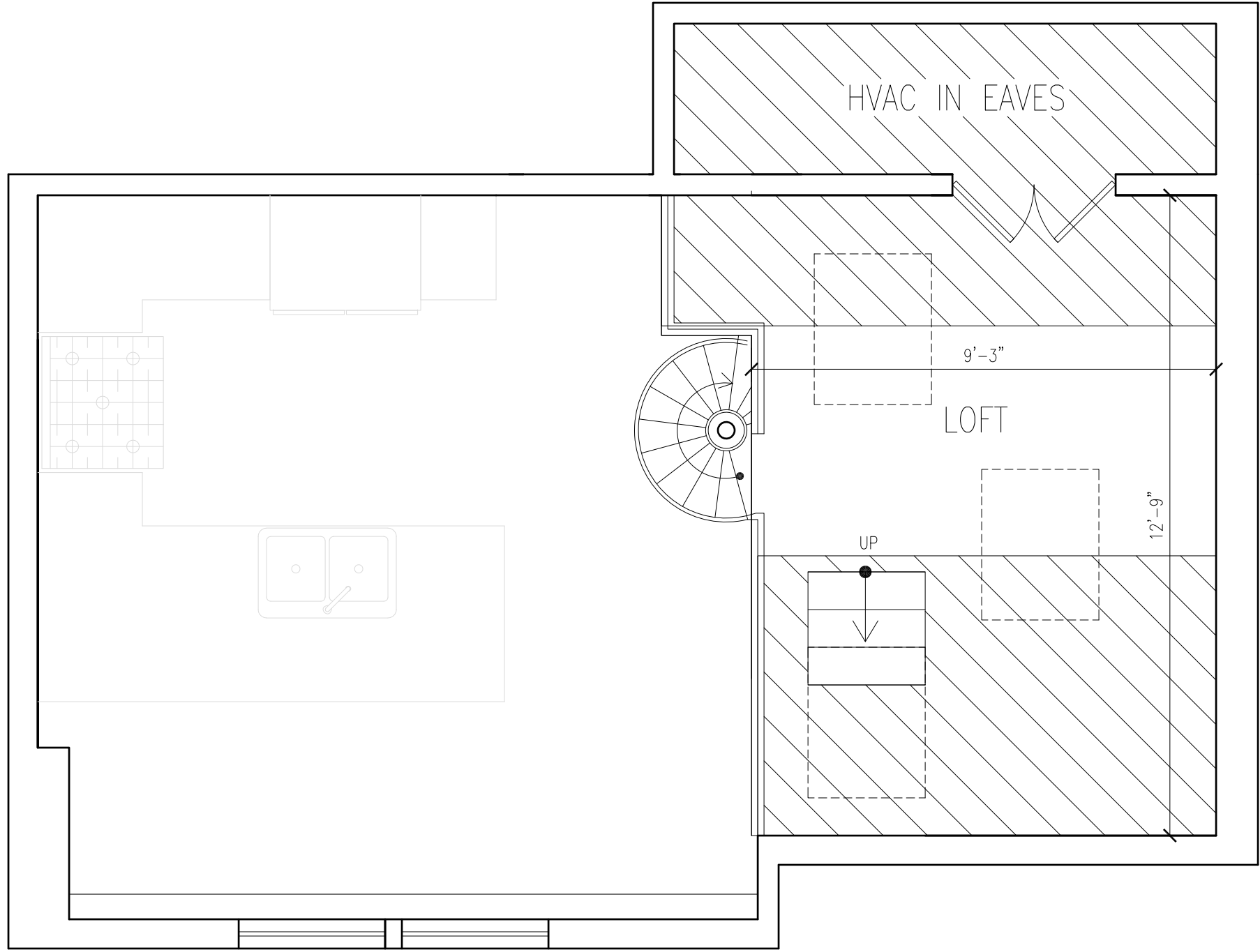
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No.	Description	Date
Drawing Title: Proposed Sections		
Project No.: 0684		Checked by: EZ

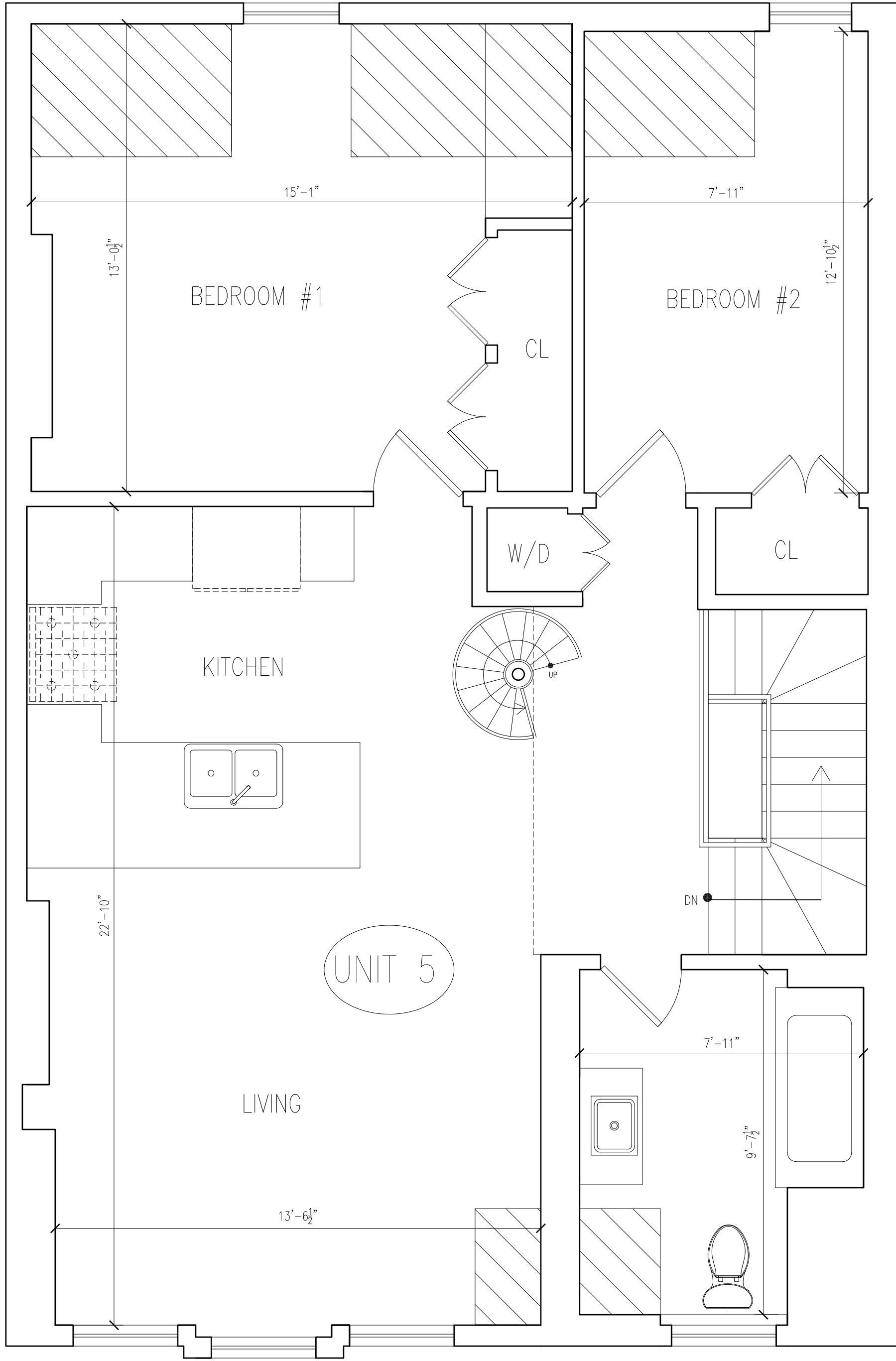
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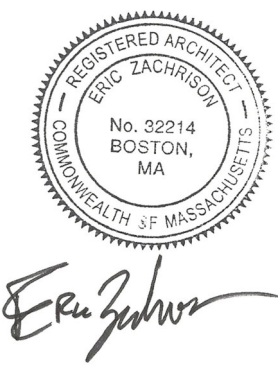
R ROOF PLAN
SCALE: 3/8" = 1'-0"



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4 LEVEL 4 PLAN
SCALE: 3/8" = 1'-0"



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01	Issued for Permit	07/08/2024
No.	Description	Date

Drawing Title: Existing Plans

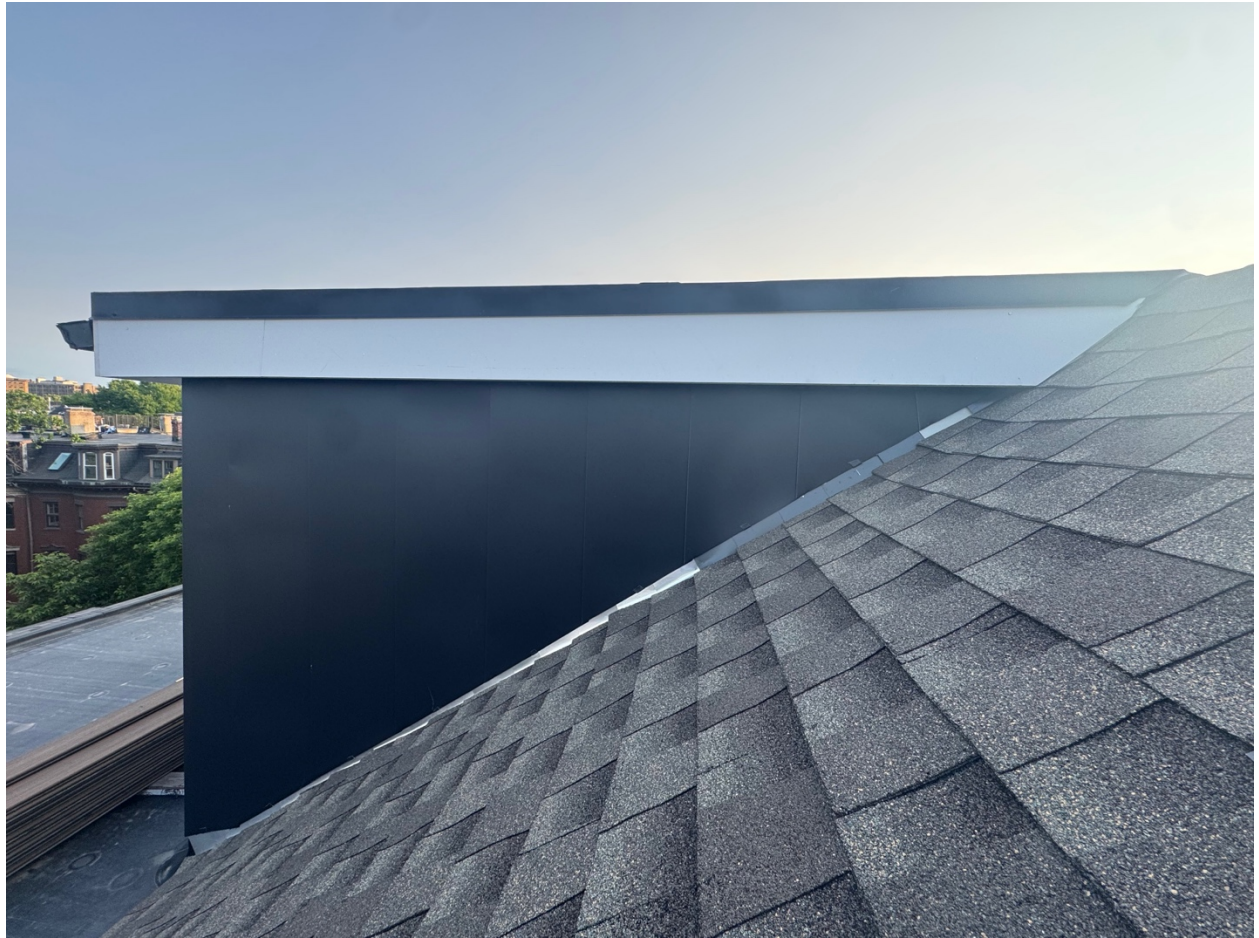
Project No.: 0684 Checked by: EZ

XA-1

548 Tremont Street - Existing Conditions Photographs

Location of the Roof Deck (Flat Roof)





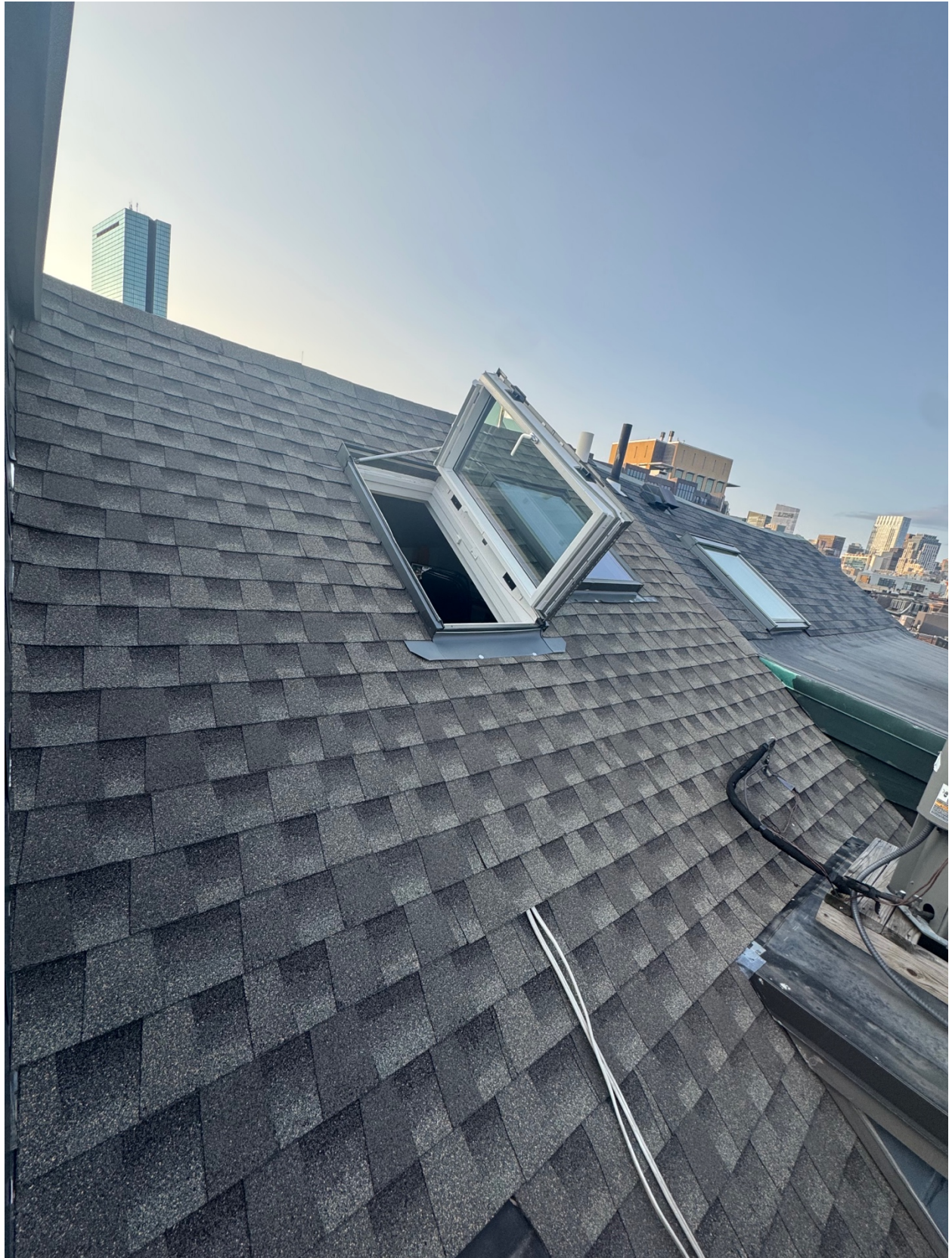


















Egress



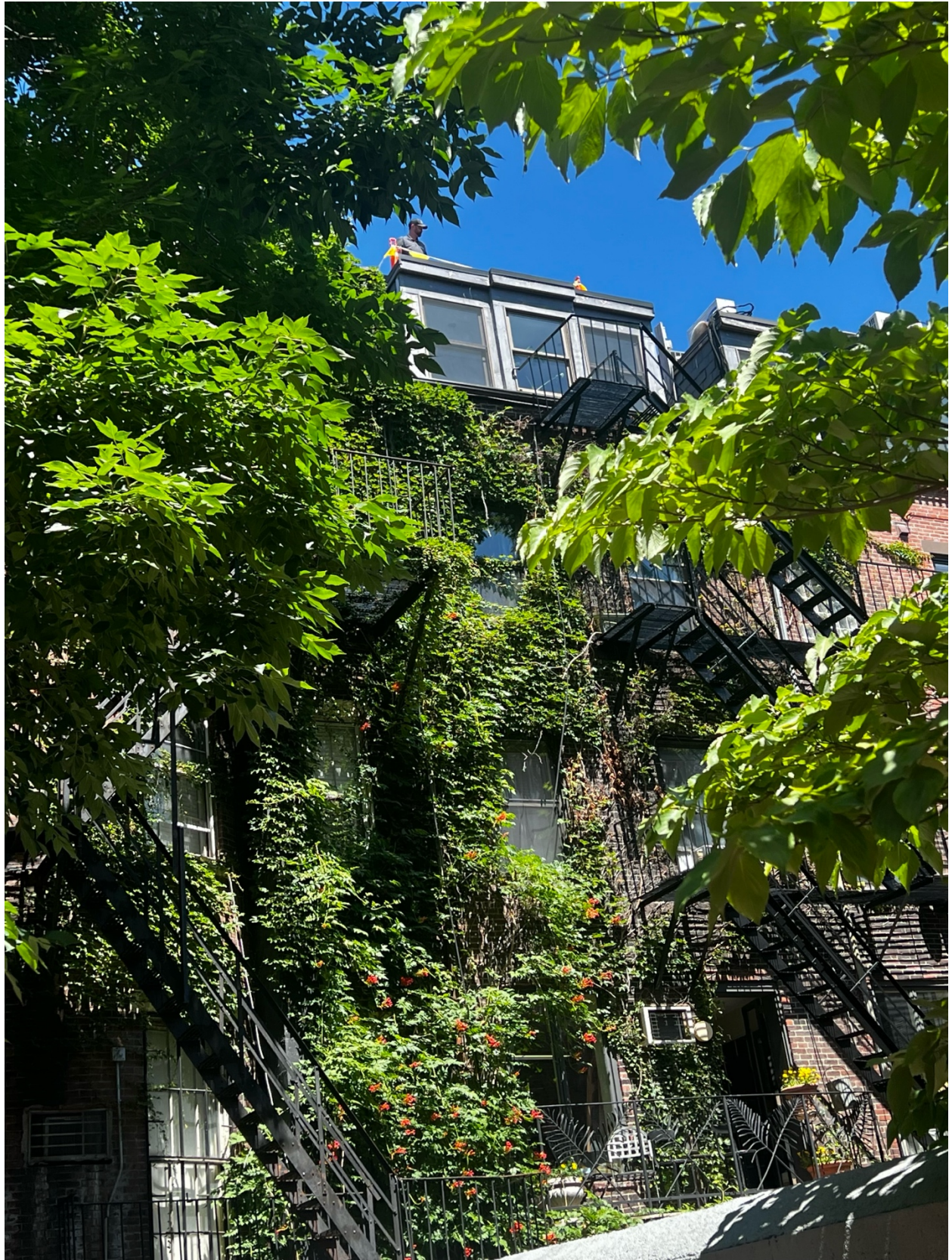
Exterior of the Building













548 Tremont Street – Previous Roof Deck Photos



