

MERCANTILE LIBRARY BUILDING

PROJECT INFORMATION

- 1. PROJECT LOCATION:** 414 WALNUT STREET, CINCINNATI, OH 45202
- 2. DESCRIPTION:** THIS PROJECT IS THE PARTIAL CHANGE OF OCCUPANCY OF AN EXISTING 13-STORY PLUS BASEMENT BUILDING FROM OFFICE (GROUP B) MULTI-UNIT RESIDENTIAL (R-2) FROM SECOND FLOOR TO TENTH FLOOR. REFER TO SECTION 3412 ANALYSIS FOR ALTERNATIVE COMPLIANCE FOR FLOORS 3 THROUGH 10. SECOND FLOOR IS EXCLUDED FROM 3412 ANALYSIS AND WILL COMPLY WITH OBC REQUIREMENTS FOR NEW CONSTRUCTION. THE EXISTING HISTORIC MERCANTILE LIBRARY, LOCATED ON THE ELEVENTH FLOOR, IS TO REMAIN IN ITS ENTIRETY. THE BUILDING WILL CONTAIN (109) DWELLING UNITS. THE TWELFTH FLOOR WILL UNDERGO A PARTIAL CHANGE OF OCCUPANCY FROM OFFICE (GROUP B) TO LIBRARY (GROUP A-3). NO NEW WORK IS PROPOSED ON THE FIRST FLOOR OR THE THIRTEENTH FLOOR. THE EXISTING SKYWALK OVER WALNUT STREET TO THE U.S. BANK BUILDING WILL REMAIN.
- NEW WORK TO INCLUDE MASONRY REPAIR WORK, SELECTIVE INTERIOR DEMOLITION, NEW EXTERIOR DOORS, NEW WINDOWS, NEW PARTITIONS, NEW INTERIOR DOORS, NEW KITCHENS, NEW BATHROOMS, AND ALL NEW FINISHES. NEW WORK ALSO INCLUDES HVAC, ELECTRICAL, FIRE PROTECTION AND PLUMBING. THE ELECTRICAL, FIRE PROTECTION AND PLUMBING WORK WILL BE SUBMITTED UNDER SEPARATE PERMITS.
- THIS PROJECT IS BEING REVIEWED FOR STATE AND FEDERAL HISTORIC TAX CREDITS.
- 3. GOVERNING CODE:** 2017 OBC (OHIO BUILDING CODE). THIS PROJECT HAS BEEN ANALYZED USING OBC SECTION 3412. REFER TO ALTERNATIVE COMPLIANCE SUMMARY ON SHEET A0.12.
- 4. ZONING DESIGNATION:** DD - DOWNTOWN DEVELOPMENT DISTRICT
- SKYWALK OVERLAY:** EXISTING SKYWALK ACCESS ON THE 2ND FLOOR OF THE BUILDING TO REMAIN AS PART OF THE EXISTING SKYWALK SYSTEM
- URBAN PARKING OVERLAY:** NO PARKING IS REQUIRED AND NO NEW PARKING IS PROPOSED.

5. CONSTRUCTION TYPE:

| | EXISTING TYPE IIB EXIST. CONSTRUCTION | PROPOSED TYPE IB CONSTRUCTION |
|---------------------------|--|--|
| PRIMARY STRUCTURAL FRAME: | STEEL | STEEL |
| EXTERIOR BEARING: | BRICK MASONRY | BRICK MASONRY |
| INTERIOR BEARING: | N/A | N/A |
| EXTERIOR NON-BEARING: | BRICK MASONRY | BRICK MASONRY |
| INTERIOR NON-BEARING: | WOOD, METAL, CLAY TILE | METAL STUD (WOOD NOT PERMITTED IN 1B CONSTRUCTION) |
| FLOOR STRUCTURE: * | WOOD/ STRUCTURAL CLAY TILE | STRUCTURAL CLAY TILE |
| ROOF STRUCTURE: * | STRUCTURAL CLAY TILE | STRUCTURAL CLAY TILE |

* ALL WOOD FRAMING WILL BE REMOVED DURING THE RENOVATION TO IMPROVE FROM IIB TO IB CONSTRUCTION. EXISTING STRUCTURAL WOOD FRAMING WILL BE REPLACED WITH NEW METAL JOISTS.

6. USE GROUP:

| | EXISTING | PROPOSED |
|---------------------|----------------------------------|----------------------------------|
| BASEMENT: | S-1 MECHANICAL / STORAGE | S-1 MECHANICAL / STORAGE |
| 1ST FLOOR: | B / M LOBBY & MERCANTILE | B / M LOBBY & MERCANTILE |
| 2ND - 10TH FLOOR: * | B OFFICE | R-2 RESIDENTIAL |
| 11TH FLOOR: | A-3 LIBRARY | A-3 LIBRARY |
| 12TH FLOOR: ** | B OFFICE | A-3 LIBRARY |
| 13TH FLOOR: | B / S-1 OFFICE & MECH. / STORAGE | B / S-1 OFFICE & MECH. / STORAGE |
| 14TH FLOOR: | S-1 ELEVATOR PENTHOUSE | S-1 ELEVATOR PENTHOUSE |

* 2ND FLOOR WILL UNDERGO A PARTIAL CHANGE OF OCCUPANCY FROM OFFICE (B) TO RESIDENTIAL (R-2)
 ** 12TH FLOOR WILL UNDERGO A PARTIAL CHANGE OF OCCUPANCY FROM OFFICE (B) TO LIBRARY (A-3)

8. FIRE RESISTANCE RATINGS: SEE SECTION 3412 ANALYSIS FOR REQUIRED FIRE RESISTANCE RATINGS.

8. EXIT REQUIREMENTS: THREE (3) EXITS ARE PROVIDED (TWO EXITS ARE REQUIRED). AN EXISTING HISTORIC STAIR DISCHARGING THROUGH THE BUILDING LOBBY, AN EXISTING EXIT STAIR LOCATED IN THE "FORMICA BUILDING" DISCHARGING DIRECTLY TO THE PUBLIC WAY, AND AN EXISTING FIRE ESCAPE SHARED WITH THE "TRACTION BUILDING". CATEGORY A INDICATES COMPLIANCE IS ACHIEVED THROUGH USE OF A FIRE ESCAPE. EACH DWELLING UNIT HAS ACCESS TO TWO DISTINCT MEANS OF EGRESS WITHOUT PASSING THROUGH THE HISTORIC STAIR ENCLOSURE. THERE IS NO ACCESS TO THE FIRE ESCAPE FROM THE SECOND FLOOR. THE EXISTING SKYWALK IS A HORIZONTAL EXIT TO THE "U.S. BANK BUILDING" AND HAS AN INDEPENDENT EXIT STAIR DISCHARGING TO THE ALLEY BETWEEN THE "MERCANTILE LIBRARY BUILDING" AND THE "TRACTION BUILDING."

9. FIRE PROTECTION: A NEW SPRINKLER SYSTEM WILL BE PROVIDED THROUGHOUT THE BUILDING: NFPA 13. NEW STANDPIPES WILL BE PROVIDED IN THE EXIT STAIR ENCLOSURES PER OBC 905. SEE SECTION 3412 ANALYSIS ON A0.12.

FIRE PROTECTION DRAWINGS FOR STANDPIPES ARE TO BE PREPARED BY CONTRACTOR AND SUBMITTED UNDER A SEPARATE PERMIT APPLICATION.

10 FIRE ALARM: A FIRE ALARM SYSTEM SHALL BE PROVIDED PER OBC 907. SEE SECTION 3412 ANALYSIS ON A0.12. SMOKE DETECTORS SHALL BE PROVIDED THROUGHOUT THE BUILDING. SEE SECTION 3412 ANALYSIS ON A0.12.

11. ELEVATOR: EXISTING ELEVATORS TO REMAIN AND TO BE REPAIRED AS REQUIRED.

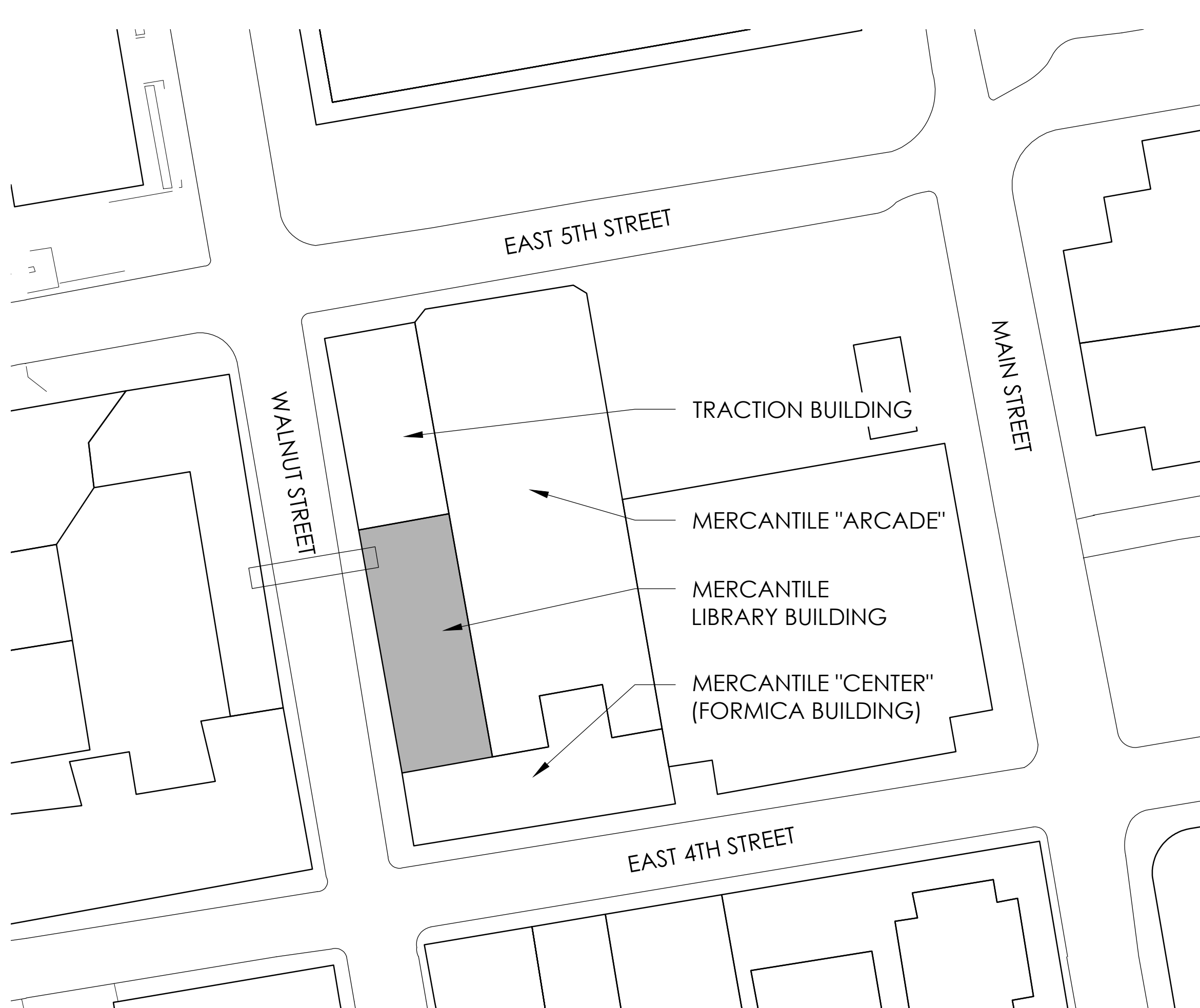
REFERENCE PHOTOS



LOCATION PLAN



SITE PLAN



PROJECT GENERAL NOTES

- THE GENERAL CONTRACTOR (G.C.) SHALL VERIFY ALL INFORMATION IN THESE DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEPARTURES FROM THESE PLANS NOT APPROVED IN WRITING BY THE ARCHITECT.
- THE ARCHITECT HAS MADE NO INVESTIGATION TO DETERMINE IF ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL IS PRESENT IN EXISTING CONSTRUCTION AND ASSUMES NO RESPONSIBILITY WITH REGARD TO ASBESTOS OR ANY OTHER HAZARDOUS MATERIAL.
- THE G.C. IS TO REVIEW THESE DRAWINGS AND VISIT THE SITE BEFORE COMMENCING THE PROJECT IN ORDER TO FAMILIARIZE HIM OR HERSELF WITH THE PROPOSED WORK.
- THE G.C. IS TO REMOVE ONLY THOSE ELEMENTS SLATED FOR DEMOLITION EITHER GRAPHICALLY OR BY NOTATION. NO OTHER ELEMENTS ARE TO BE REMOVED. IF THE CONTRACTOR QUESTIONS THE REMOVAL OF AN ELEMENT, OR IF THERE IS A CONFLICT BETWEEN THE NOTES AND THE GRAPHICS, CONTRACTOR IS TO ASK THE ARCHITECT IMMEDIATELY.
- THE G.C. IS TO PROTECT AND SAVE BUILDING ELEMENTS CONNECTED TO, OR ADJ. TO, THOSE ELEMENTS WHICH ARE SLATED TO BE REMOVED.
- THE G.C. SHALL NOT REMOVE ANY ELEMENTS WHICH MAY CAUSE THE STRUCTURE TO BECOME UNSTABLE, OR THAT WILL POSE A RISK TO PERSONS OR PROPERTY, EVEN IF INDICATED IN PLANS. IF ANY ELEMENTS BECOME UNSTABLE, CONTRACTOR IS TO STABILIZE AND SHALL INFORM THE ARCHITECT / OWNER IMMEDIATELY.
- IT IS UP TO THE G.C. TO CONTINUALLY EVALUATE THE STRUCTURAL STABILITY OF THE BUILDING AND THE INTEGRITY OF ELEMENTS BOTH STRUCTURAL AND NON-STRUCTURAL THAT ARE SHOWN TO REMAIN. IF THE CONTRACTOR DETERMINES THAT SOME OF THESE ELEMENTS SHOULD BE REMOVED, HE/SHE MUST FIRST RECEIVE PERMISSION FROM THE ARCHITECT/OWNER, OR MAY BE FINANCIALLY RESPONSIBLE FOR THE REPLACEMENT OF THESE ELEMENTS.
- THE G.C. IS RESPONSIBLE FOR THE REMOVAL OF ALL TRASH AND DEBRIS THROUGHOUT THE WORK. ALL DEBRIS MUST BE REMOVED AND DISCARDED IN A SAFE AND LEGAL MANNER.
- THE G.C. IS RESPONSIBLE FOR THE PROCUREMENT OF ANY ADDITIONAL MATERIALS, EQUIPMENT, AND PERMITS AND FOR ANY FEES, PENALTIES OR RENTAL COSTS ASSOCIATED WITH THE DEMOLITION WORK.
- THE G.C. SHALL IDENTIFY, LOCATE AND PROTECT ANY ABOVE AND BELOW-GROUND UTILITIES ON SITE DURING THE COURSE OF THE DEMOLITION WORK. UPON COMPLETION, CONTRACTOR IS TO LEAVE ALL UTILITY LINES AND CONNECTIONS IN A STABLE, PROTECTED STATE.
- THE G.C. IS TO PROTECT THE BUILDING FROM THE ELEMENTS, THEFT AND VANDALISM AT ALL TIMES DURING WORK.
- SPRINKLER DRAWINGS ARE INCLUDED FOR REFERENCE ONLY. SPRINKLER SYSTEM IS DELEGATED DESIGN TO THE INSTALLER. INSTALLER IS RESPONSIBLE FOR SEPARATE SPRINKLER PERMIT.

DRAWING INDEX

| | | | |
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| A2.01 | FIRST FLOOR DEMO PLAN | A3.13 | THIRTEENTH FLOOR NEW WORK PLAN |
| A2.02 | SECOND FLOOR DEMO PLAN | A3.14 | PENTHOUSE / ROOF NEW WORK PLAN |
| A2.03 | THIRD FLOOR DEMO PLAN | A5.00 | PHOTO ELEVATION |
| A2.04 | FOURTH FLOOR DEMO PLAN | A5.01 | PHOTO ELEVATION |
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| A2.06 | SIXTH FLOOR DEMO PLAN | A6.00 | MEP + FP SYSTEM STRATEGY DIAGRAM |
| A2.07 | SEVENTH FLOOR DEMO PLAN | M102 | MECHANICAL SECOND FLOOR PLAN |
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| A2.09 | NINTH FLOOR DEMO PLAN | M104 | MECHANICAL FOURTH FLOOR PLAN |
| A2.10 | TENTH FLOOR DEMO PLAN | M105 | MECHANICAL FIFTH FLOOR PLAN |
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| A2.12 | TWELFTH FLOOR DEMO PLAN | M107 | MECHANICAL SEVENTH FLOOR PLAN |
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| A3.00 | BASEMENT NEW WORK PLAN | M110 | MECHANICAL TENTH FLOOR PLAN |
| A3.01 | FIRST FLOOR NEW WORK PLAN | M111 | MECHANICAL LOWER ROOF PLAN |
| A3.02 | SECOND FLOOR NEW WORK PLAN | M112 | MECHANICAL UPPER ROOF PLAN |
| A3.03 | THIRD FLOOR NEW WORK PLAN | M200 | MECHANICAL DETAILS |
| A3.04 | FOURTH FLOOR NEW WORK PLAN | F100 | FIRE PROTECTION BASEMENT PLAN |
| A3.05 | FIFTH FLOOR NEW WORK PLAN | F101 | FIRE PROTECTION FIRST FLOOR PLAN |
| A3.06 | SIXTH FLOOR NEW WORK PLAN | F102 | FIRE PROTECTION SECOND FLOOR PLAN |
| A3.07 | SEVENTH FLOOR NEW WORK PLAN | F103 | FIRE PROTECTION THIRD-TENTH FLOOR PLAN |
| A3.08 | EIGHTH FLOOR NEW WORK PLAN | F111 | FIRE PROTECTION ELEVENTH FLOOR PLAN |
| A3.09 | NINTH FLOOR NEW WORK PLAN | | |

GRAPHICS SYMBOL LEGEND

| | | | |
|--|-----------------------------------|--|---|
| | CEILING HEIGHT TAG ± X' - X" | | ELEVATION TAG X A.X |
| | DOOR NUMBER TAG (SEE A0.4): #X | | SECTION TAG X A.X |
| | FRAME AND SLAB (NUMBER) | | DETAIL TAG X A.X |
| | HARDWARE PACKAGE (LETTER) | | INTERIOR ELEVATION TAG 1 4(A.X)2 3 |
| | WINDOW TYPE TAG (SEE A0.5) | | REVISION CLOUD WITH REVISION NUMBER TAG |
| | PARTITION TYPE TAG (SEE A0.2) | | |
| | STAIR RUN DIRECTION TAG UP | | |
| | KEYED NOTE | | |
| | HISTORIC KEYED NOTE | | |
| | CENTERLINE | | |

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

CITYSTUDIOS
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1148 Main Street
Cincinnati, OH 45202
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ENGINEERED
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DEVELOPMENT • CONSTRUCTION • MANAGEMENT

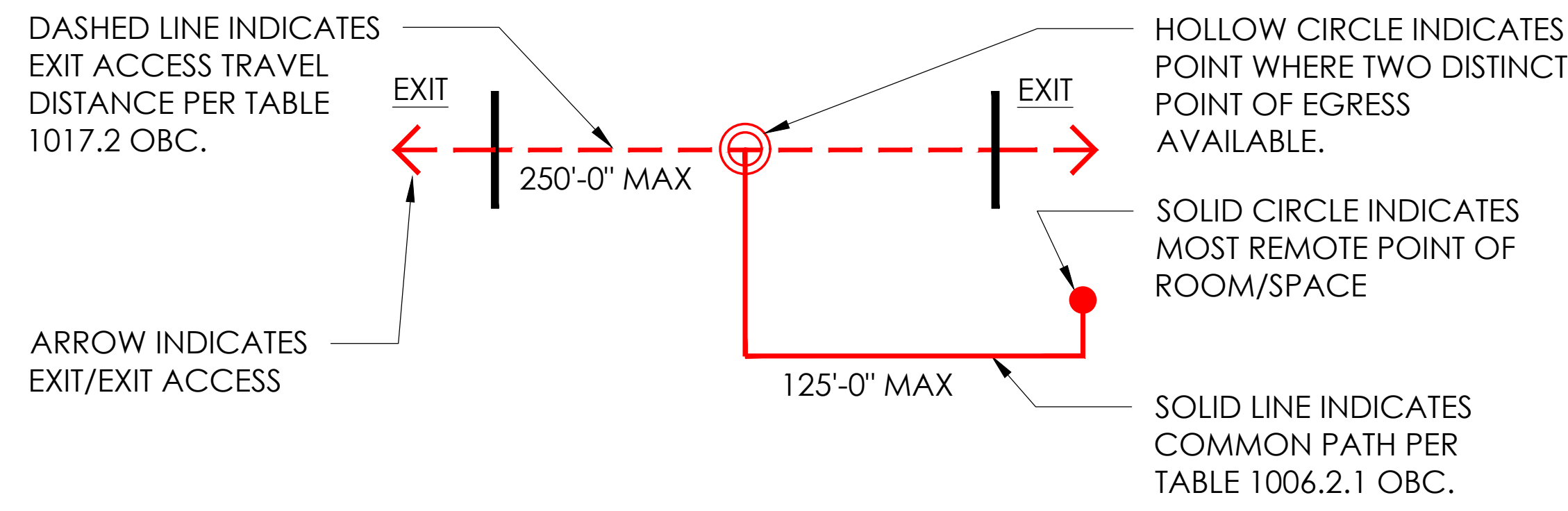
ISSUE LOG:
02.24.2021
HISTORIC PART 2 SUBMISSION
03.31.2021
HISTORIC PART 2 REVISION

PROJECT INFORMATION

A0.10

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

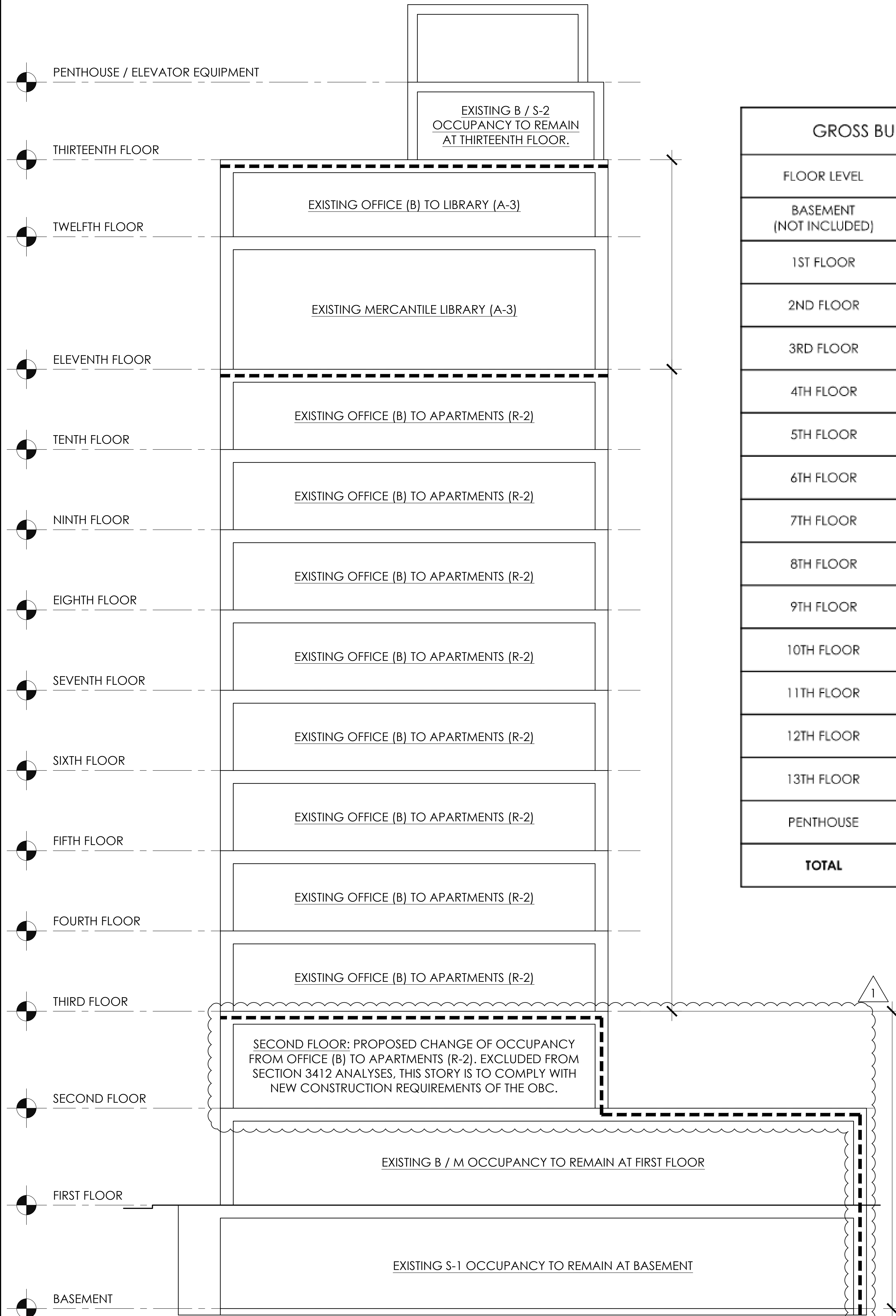
EGRESS GRAPHIC KEYS



LEGEND

SECTION DIAGRAM:
 2-HR RATED ASSEMBLIES SEPARATING PORTION OF BUILDING ANALYZED UNDER SECTION 3412 AS PERMITTED BY 3412.2.2 OBC AND 3412.6 OBC.

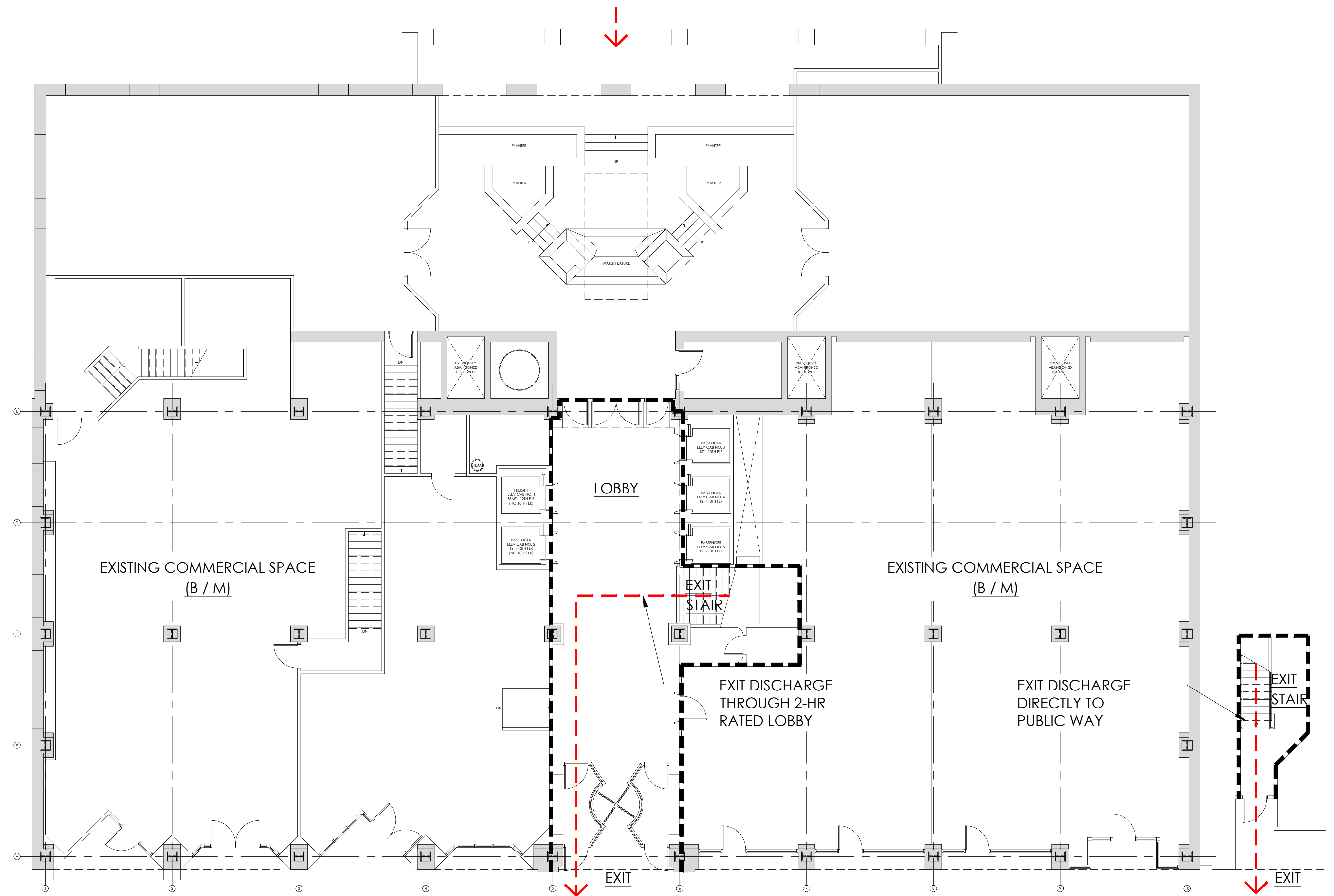
PLAN DIAGRAMS:
 2-HR RATED FIRE BARRIER CONSTRUCTION SEPARATING PORTION OF BUILDING ANALYZED UNDER SECTION 3412 AS PERMITTED BY 3412.2.2 OBC AND 3412.6 OBC OR ENCLOSING AN EXISTING STAIR/ EXIT PASSAGEWAY.



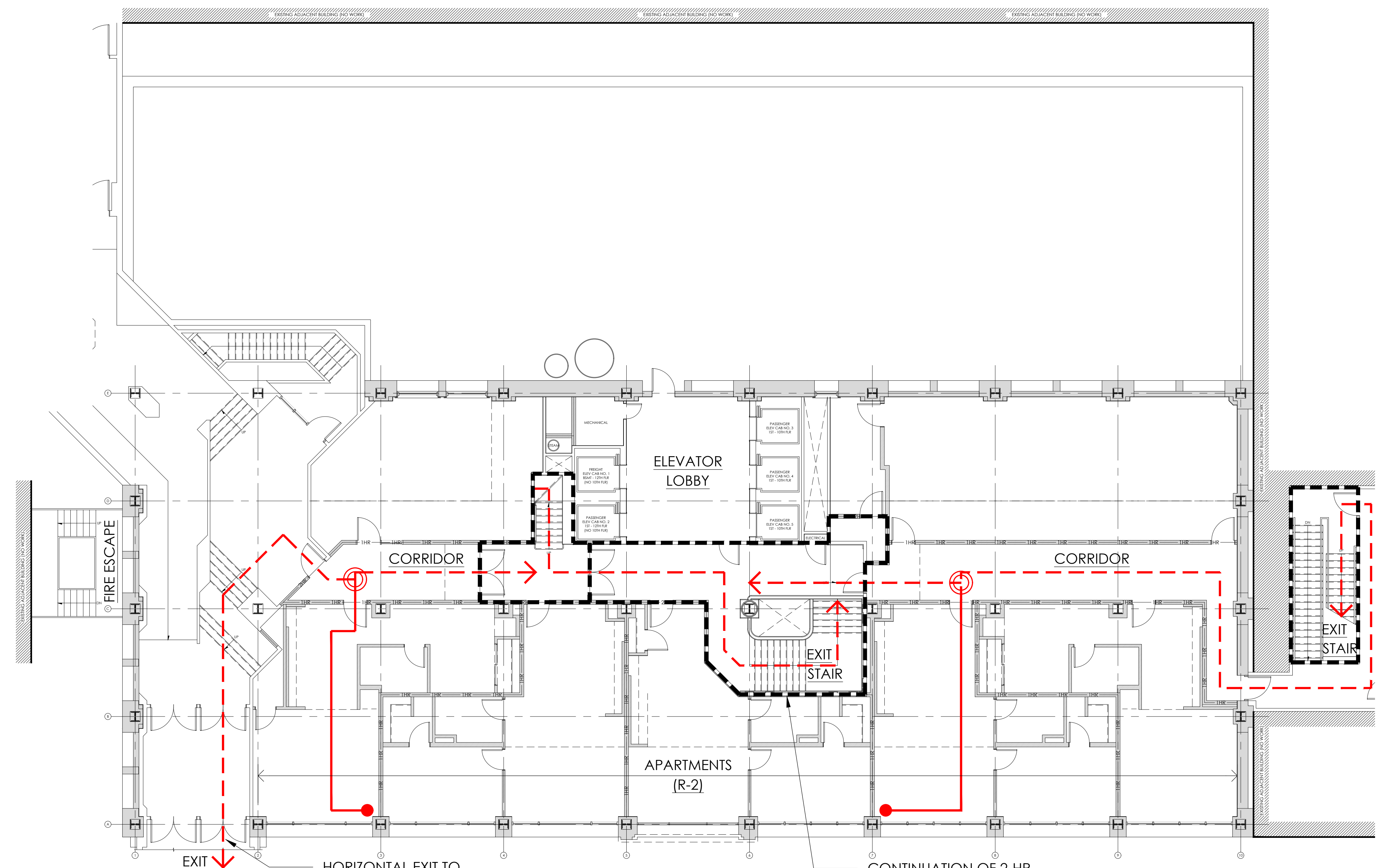
| GROSS BUILDING AREA | |
|-------------------------|------------------------------|
| FLOOR LEVEL | GROSS S.F. (OUTER PERIMETER) |
| BASEMENT (NOT INCLUDED) | 15,797 |
| 1ST FLOOR | 14,853 |
| 2ND FLOOR | 9,180 |
| 3RD FLOOR | 8,920 |
| 4TH FLOOR | 8,920 |
| 5TH FLOOR | 8,920 |
| 6TH FLOOR | 8,920 |
| 7TH FLOOR | 8,920 |
| 8TH FLOOR | 8,920 |
| 9TH FLOOR | 8,920 |
| 10TH FLOOR | 8,920 |
| 11TH FLOOR | 8,920 |
| 12TH FLOOR | 8,920 |
| 13TH FLOOR | 4,000 |
| PENTHOUSE | 460 |
| TOTAL | 117,693 |

PRIMARY FRAME SHALL BE MINIMUM 2-HR RATED. EXISTING CLAY TILE COLUMN AND BEAM ENCASUREMENTS ARE TO REMAIN. WHERE MISSING OR DAMAGED, PROVIDE NEW SPRAY-APPLIED FIRE RESISTIVE MATERIALS TO IMPROVE TO TYPE IB CONSTRUCTION.

SECTION DIAGRAM

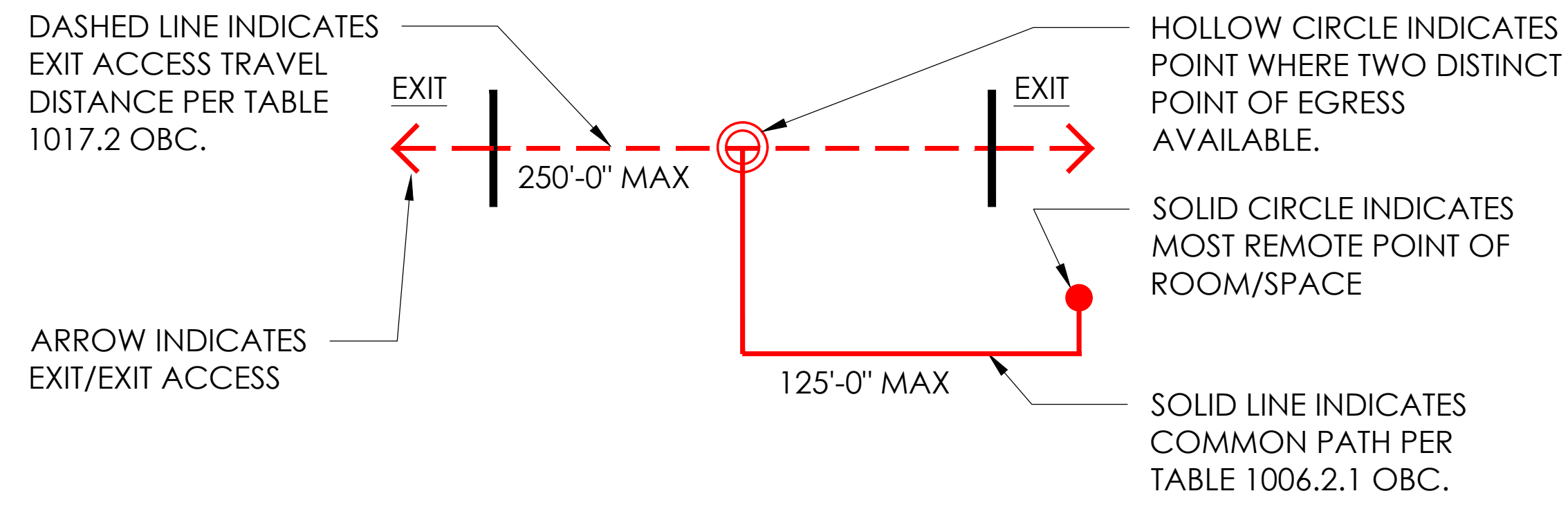


FIRST FLOOR PLAN DIAGRAM



SECOND FLOOR PLAN DIAGRAM

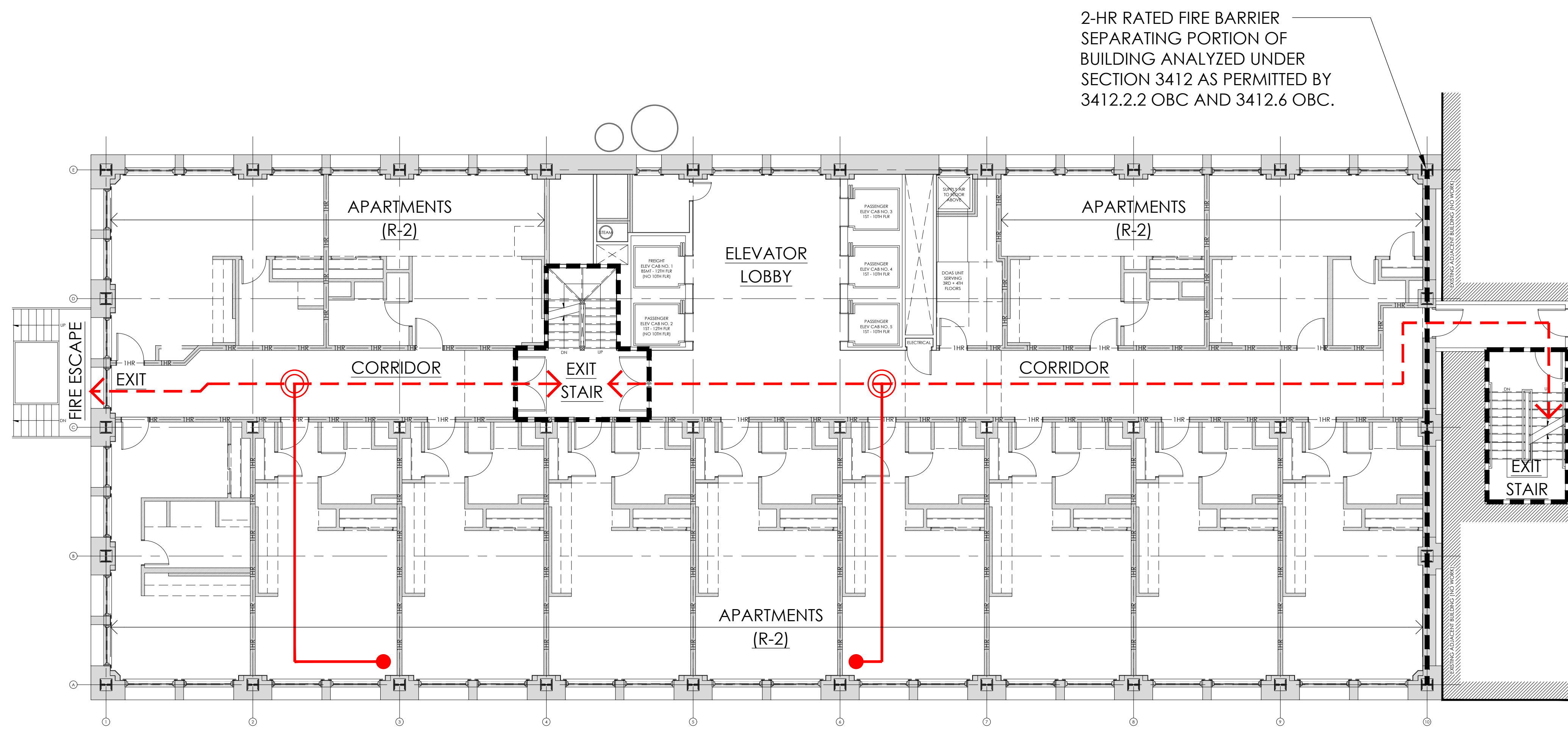
EGRESS GRAPHIC KEYS



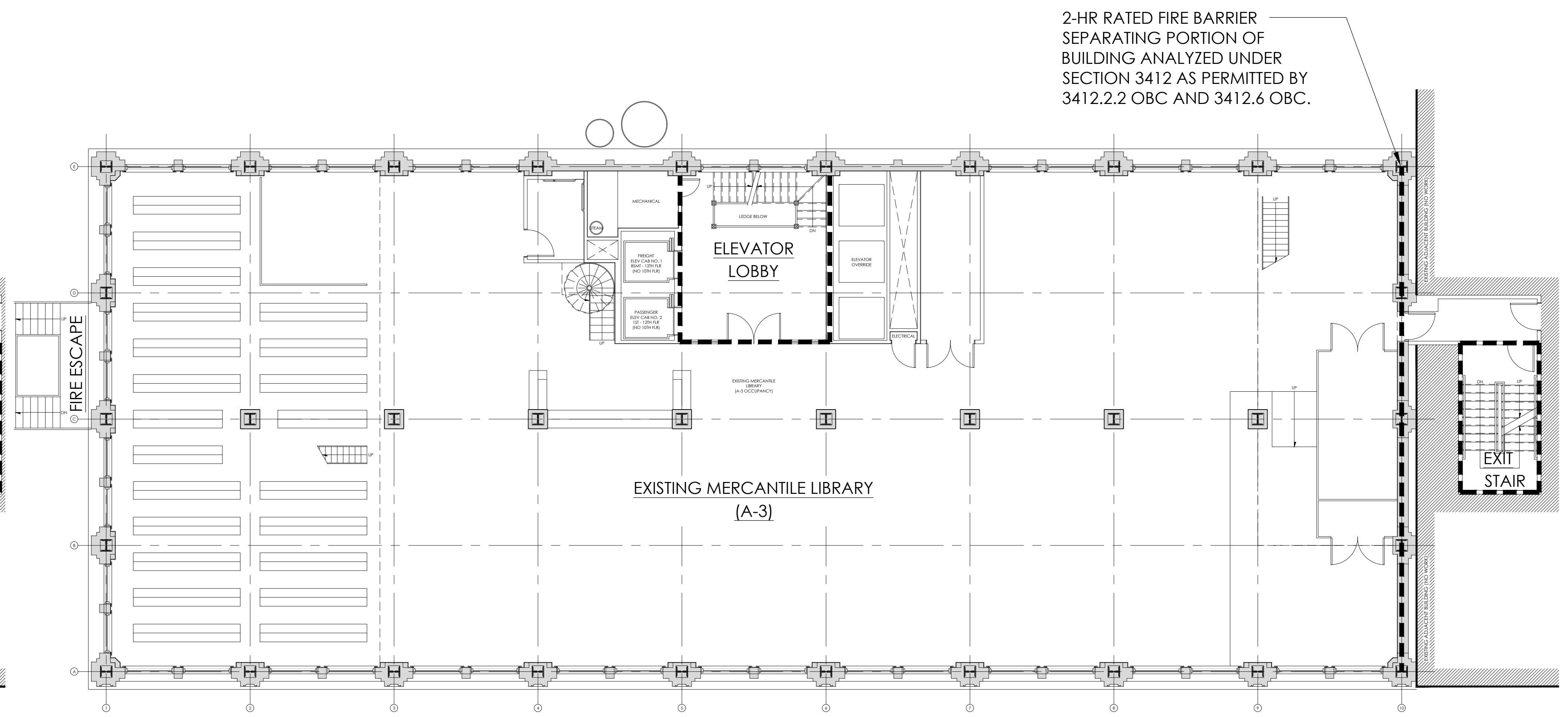
LEGEND

SECTION DIAGRAM:
 2-HR RATED HORIZONTAL ASSEMBLY (EXISTING STRUCTURAL CLAY TILE ARCHES) SEPARATING PORTION OF BUILDING ANALYZED UNDER SECTION 3412 AS PERMITTED BY 3412.2.2 OBC AND 3412.6 OBC.

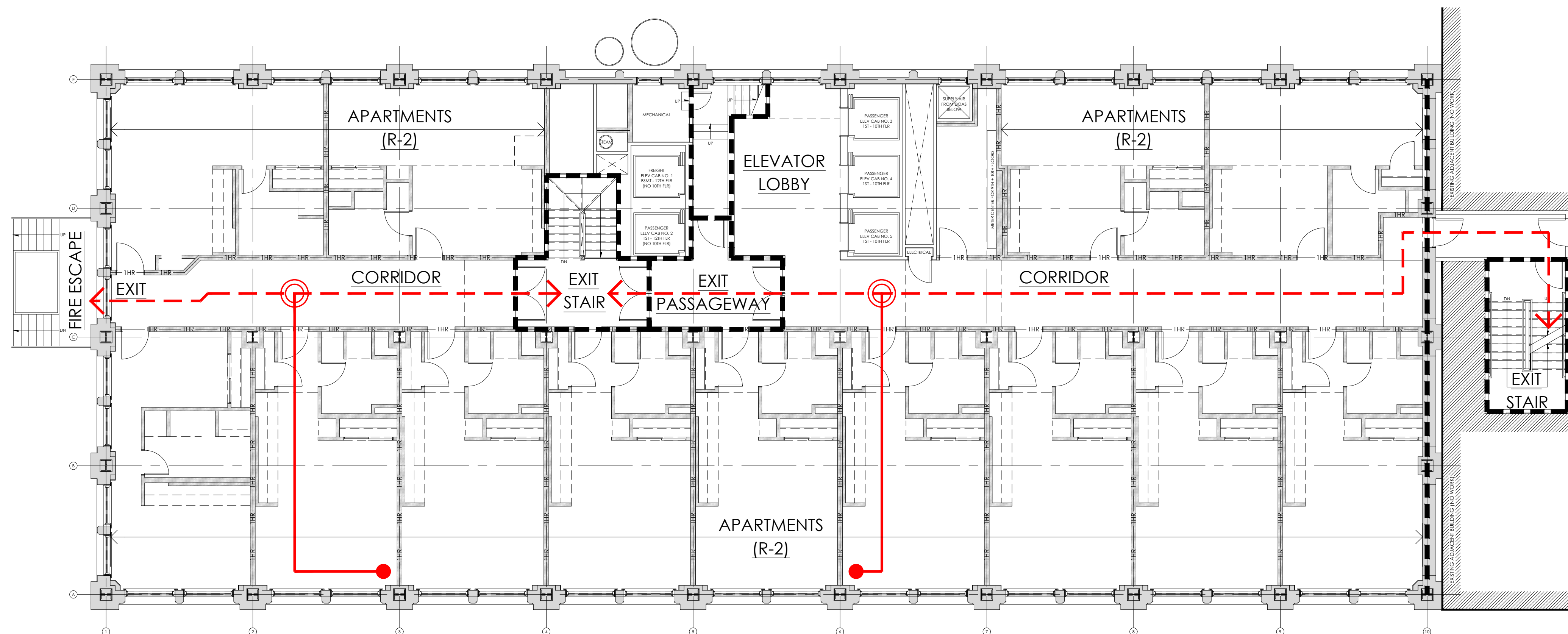
PLAN DIAGRAMS:
 2-HR RATED FIRE BARRIER CONSTRUCTION SEPARATING PORTION OF BUILDING ANALYZED UNDER SECTION 3412 AS PERMITTED BY 3412.2.2 OBC AND 3412.6 OBC OR ENCLOSING AN EXISTING STAIR/ EXIT PASSAGEWAY.



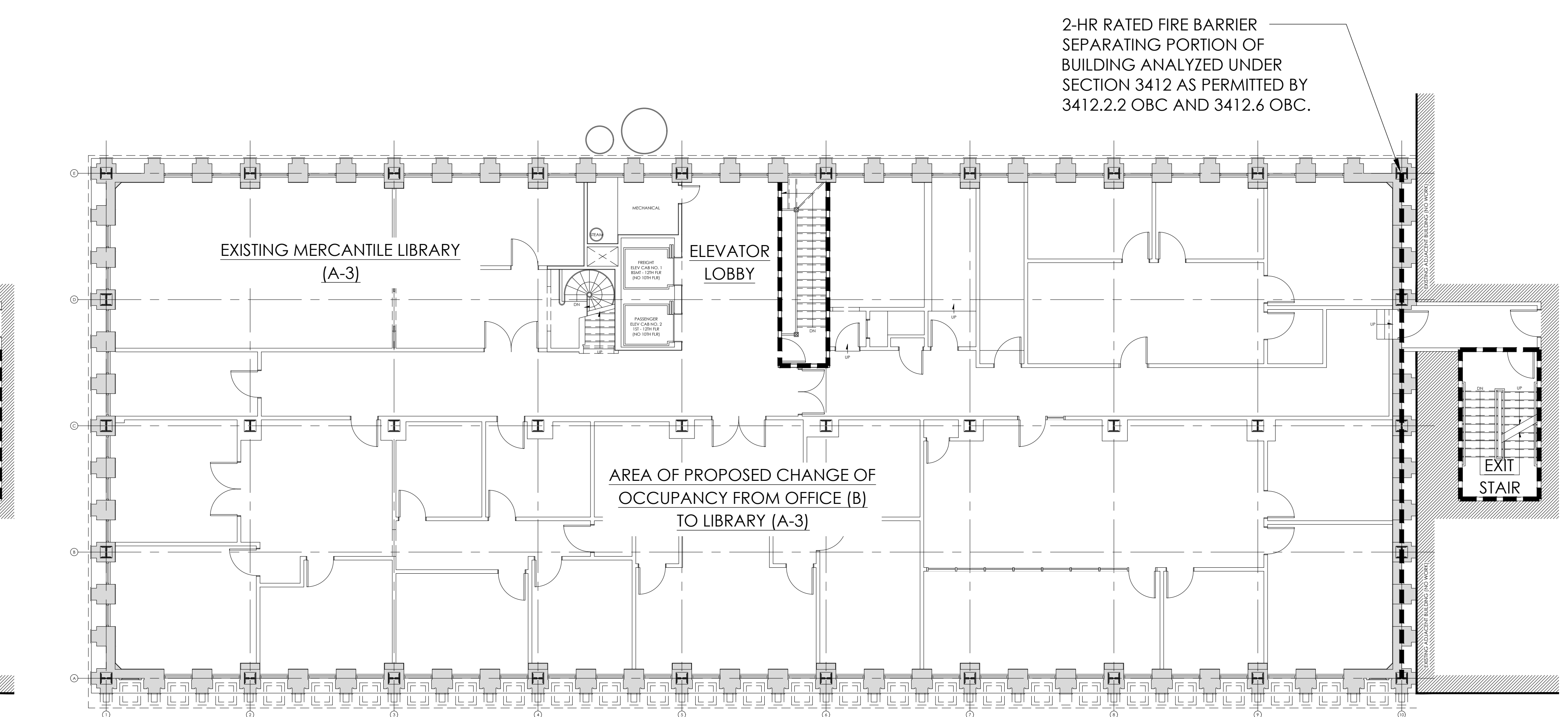
THIRD - NINTH FLOORS PLAN DIAGRAM



ELEVENTH FLOOR PLAN DIAGRAM



TENTH FLOOR PLAN DIAGRAM



TWELFTH FLOOR PLAN DIAGRAM

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

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CODE DIAGRAMS

A0.12

PRELIMINARY DRAWINGS:
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SECTION 3412 ANALYSIS

GENERAL BUILDING INFO: EXISTING OCCUPANCY: A-3 / B EXISTING CONSTRUCTION TYPE: IIIB
 PROPOSED OCCUPANCY: A-3 / R-2 PROPOSED CONSTRUCTION TYPE: IB
 PORTION OF BUILDING ANALYZED UNDER SECTION 3412 WILL BE SEPARATED FROM REMAINING PORTIONS OF THE BUILDING AND FROM EACH OTHER BY MINIMUM 2-HR FIRE-RATED CONSTRUCTION AS DIRECTED BY SECTION 3412.2.2 OBC.
 COMPARTMENTATION: YES - LESS THAN 7,500 S.F.
 2-HR SEPARATION BETWEEN STORIES
 DWELLING UNIT SEPARATIONS: 1-HOUR
 CORRIDOR WALL RATING: 1-HOUR
 STAIR AND SHAFT RATING: 2-HOUR
 HVAC SYSTEM: NEW MINI-SPLIT SYSTEMS SERVING EACH INDIVIDUAL DWELLING UNITS, TRADITIONAL SPLIT SYSTEMS SERVING COMMON AREAS, DOAS SYSTEMS PROVIDING MECHANICAL VENTILATION THROUGHOUT DWELLING UNITS AND COMMON SPACES, DUAL-SPEED BATHROOM FANS PROVIDING CONTINUOUS EXHAUST.
 FIRE SUPPRESSION: YES - NEW NFPA13 / NFPA13-R SYSTEM.
 FIRE DETECTION: YES - NEW SMOKE DETECTORS THROUGHOUT.
 FIRE ALARM: YES - NEW AUTOMATIC FIRE ALARM SYSTEM.
 SMOKE CONTROL: YES - EXISTING OPENINGS AROUND BUILDING PERIMETER.
 DEAD END CORRIDORS: NONE
 ADEQUATE EXIT PATHS: YES - (1) STAIR IN HISTORIC BUILDING, (1) STAIR IN ADJACENT BUILDING, (1) FIRE ESCAPE.
 ELEVATOR CONTROLS: PHASE 1 AND PHASE 2 RECALL (MANDATORY)
 EMERGENCY EGRESS LIGHTING: YES - NEW FIXTURES THROUGHOUT.

POINT SUMMARY:

3RD - 10TH FLOORS:

| SAFETY PARAMETER | CAT. | FIRE SAFETY | MEANS OF EGRESS | GENERAL SAFETY |
|---------------------------------------|------|-------------|-----------------|----------------|
| 3412.6.1 BUILDING HEIGHT | - | 3 | 3 | 3 |
| 3412.6.2 BUILDING AREA | - | 8.5 | 8.5 | 8.5 |
| 3412.6.3 COMPARTMENTATION | - | 10 | 10 | 10 |
| 3412.6.4 DWELLING UNIT SEPARATIONS | C | 0 | 0 | 0 |
| 3412.6.5 CORRIDOR WALLS | C | 0 | 0 | 0 |
| 3412.6.6 VERTICAL OPENINGS | - | 2 | 2 | 2 |
| 3412.6.7 HVAC SYSTEM | D | 0 | 0 | 0 |
| 3412.6.8 FIRE DETECTION | E | 6 | 6 | 6 |
| 3412.6.9 FIRE ALARM SYSTEM | C | 0 | 0 | 0 |
| 3412.6.10 SMOKE CONTROL | D | - | 3 | 3 |
| 3412.6.11 MEANS OF EGRESS * | A | - | -13 | -13 |
| 3412.6.12 DEAD ENDS | C | - | 2 | 2 |
| 3412.6.13 EXIT ACCESS TRAVEL DISTANCE | - | - | 11.3 | 11.3 |
| 3412.6.14 ELEVATOR CONTROLS | C | 0 | 0 | 0 |
| 3412.6.15 EMERGENCY LIGHTING | B | - | 4 | 4 |
| 3412.6.16 MIXED OCCUPANCIES | N/A | - | - | - |
| 3412.6.17 SPRINKLERS | E | 4 | 2 | 4 |
| 3412.6.18 STANDPIPES | C | 4 | 4 | 4 |
| 3412.6.19 ACCESSORY OCCUPANCIES | N/A | - | - | - |
| POINT TOTAL | | 37.5 | 42.8 | 44.8 |
| REQUIRED POINT MINIMUM | | 17 | 34 | 34 |

* INCLUDES AN ADDITIONAL -10 POINTS FOR BUILDINGS OVER SIX STORIES IN HEIGHT AS REQUIRED BY FOOTNOTE "A" IN TABLE 3412.6.11.

SUPPORTING CALCULATIONS: 3RD - 10TH FLOORS

3412.6.1 HEIGHT
 HEIGHT VALUE IN FEET = $[(\text{ALLOWABLE} - \text{ACTUAL}) / 12.5] \times \text{CONSTRUCTION FACTOR}$
 = $[(180 - 132) / 12.5] \times 1.5$
 = 5.7 POINTS
 HEIGHT VALUE IN STORIES = $(\text{ALLOWABLE} - \text{ACTUAL}) \times \text{CONSTRUCTION FACTOR}$
 = $(12 - 10) \times 1.5$
 = 3.0 POINTS
 THE LESSER VALUE OF THE TWO CALCULATION IS TAKEN = 3 POINTS
3412.6.2 AREA
 UNLIMITED AREA PER TABLE 506.2, POINTS CAPPED AT HALF OF THE MANDATORY MINIMUM FIRE SAFETY SCORE.
 BUILDING AREA VALUE = FIRE SAFETY SCORE MIN. / 2
 = $17 / 2$
 = 8.5 POINTS
3412.6.6 VERTICAL OPENINGS:
 ENCLOSURES AT VERTICAL OPENINGS HAVE PROTECTION OF 2 HOURS OR MORE:
 VERTICAL OPENING VALUE = PROTECTION VALUE X CONSTRUCTION FACTOR
 = 2×1.5
 = 3.0 POINTS
 MAXIMUM POSITIVE VALUE = 2 POINTS
3412.6.13 EXIT ACCESS TRAVEL DISTANCE
 POINTS = $20 \times (\text{MAX ALLOWABLE} - \text{MAX ACTUAL}) / \text{MAX ALLOWABLE}$
 = $20 \times (250 - 108) / 250$
 = 11.3 POINTS

ADDITIONAL NOTES:

- UP TO (5) ADDITIONAL POINTS ARE AVAILABLE IN FIRE ALARM CATEGORY FOR COMPLIANCE WITH HIGH-RISE REQUIREMENTS.
- UP TO (4) ADDITIONAL POINTS ARE AVAILABLE IN ELEVATOR CONTROLS FOR COMPLIANCE WITH AMBULANCE STRETCHER-SIZED ELEVATOR CAB AND FIRE DEPARTMENT SERVICE SIZE AND WEIGHT REQUIREMENTS.
- EXIT ACCESS TRAVEL DISTANCE IS A CONSERVATIVE ESTIMATION.
- SEPARATION BETWEEN 11TH AND 12TH FLOOR MUST BE ADDRESSED AT HISTORIC SPIRAL STAIR.
- EXIT ENCLOSURE MUST BE ADDRESSED AT INTERIOR STOREFRONT BETWEEN HISTORIC STAIR AND THE MERCANTILE LIBRARY.

POINT SUMMARY:

11TH - 12TH FLOORS:

| SAFETY PARAMETER | CAT. | FIRE SAFETY | MEANS OF EGRESS | GENERAL SAFETY |
|---------------------------------------|------|-------------|-----------------|----------------|
| 3412.6.1 BUILDING HEIGHT | - | 0 | 0 | 0 |
| 3412.6.2 BUILDING AREA | - | 9 | 9 | 9 |
| 3412.6.3 COMPARTMENTATION * | - | 6 | 6 | 6 |
| 3412.6.4 DWELLING UNIT SEPARATIONS | N/A | 0 | 0 | 0 |
| 3412.6.5 CORRIDOR WALLS | N/A | 0 | 0 | 0 |
| 3412.6.6 VERTICAL OPENINGS * | - | 2 | 2 | 2 |
| 3412.6.7 HVAC SYSTEM | D | 0 | 0 | 0 |
| 3412.6.8 FIRE DETECTION | E | 6 | 6 | 6 |
| 3412.6.9 FIRE ALARM SYSTEM | C | 0 | 0 | 0 |
| 3412.6.10 SMOKE CONTROL | D | - | 3 | 3 |
| 3412.6.11 MEANS OF EGRESS ** | A | - | -20 | -20 |
| 3412.6.12 DEAD ENDS | C | - | 2 | 2 |
| 3412.6.13 EXIT ACCESS TRAVEL DISTANCE | - | - | 11.3 | 11.3 |
| 3412.6.14 ELEVATOR CONTROLS | C | 0 | 0 | 0 |
| 3412.6.15 EMERGENCY LIGHTING | B | - | 4 | 4 |
| 3412.6.16 MIXED OCCUPANCY | N/A | 0 | - | 0 |
| 3412.6.17 SPRINKLERS | E | 4 | 2 | 4 |
| 3412.6.18 STANDPIPES | C | 4 | 4 | 4 |
| 3412.6.19 ACCESSORY OCCUPANCIES | N/A | 0 | 0 | 0 |
| POINT TOTAL | | 31.0 | 29.3 | 31.3 |
| REQUIRED POINT MINIMUM | | 18 | 29 | 29 |

* ANALYSIS ASSUMES THAT HISTORIC SPIRAL STAIR WILL BE ENCLOSED WITH 2-HOUR CONSTRUCTION. IF STAIR IS NOT ENCLOSED, COMPARTMENTATION SCORE IS (0) AND VERTICAL OPENINGS SCORE IS (-6) (A NET LOSS OF 14 POINTS).

** INCLUDES AN ADDITIONAL -10 POINTS FOR BUILDINGS OVER SIX STORIES IN HEIGHT AS REQUIRED BY FOOTNOTE "A" IN TABLE 3412.6.11. FIRE ESCAPE MAY NOT BE A REQUIRED EXIT FROM THESE STORIES (2 REQUIRED, 3 PROVIDED, INCLUDING FIRE ESCAPE). COMPLIANCE WITH CATEGORY B IS POSSIBLE, PROVIDING A NET INCREASE OF 20 POINTS. NOTE: THIS WOULD OFFSET THE HISTORIC SPIRAL STAIR ISSUE DESCRIBED ABOVE.

SUPPORTING CALCULATIONS: 11TH - 12TH FLOORS

3412.6.1 HEIGHT
 HEIGHT VALUE IN FEET = $[(\text{ALLOWABLE} - \text{ACTUAL}) / 12.5] \times \text{CONSTRUCTION FACTOR}$
 = $[(180 - 160) / 12.5] \times 1.5$
 = 2.4 POINTS
 HEIGHT VALUE IN STORIES = $(\text{ALLOWABLE} - \text{ACTUAL}) \times \text{CONSTRUCTION FACTOR}$
 = $(12 - 12) \times 1.5$
 = 0 POINTS
 THE LESSER VALUE OF THE TWO CALCULATION IS TAKEN = 0 POINTS
3412.6.2 AREA
 UNLIMITED AREA PER TABLE 506.2, POINTS CAPPED AT HALF OF THE MANDATORY MINIMUM FIRE SAFETY SCORE.
 BUILDING AREA VALUE = FIRE SAFETY SCORE MIN. / 2
 = $18 / 2$
 = 9 POINTS
3412.6.6 VERTICAL OPENINGS:
 ENCLOSURES AT VERTICAL OPENINGS HAVE PROTECTION OF 2 HOURS OR MORE:
 VERTICAL OPENING VALUE = PROTECTION VALUE X CONSTRUCTION FACTOR
 = 2×1.5
 = 3 POINTS
 MAXIMUM POSITIVE VALUE = 2 POINTS
3412.6.13 EXIT ACCESS TRAVEL DISTANCE
 POINTS = $20 \times (\text{MAX ALLOWABLE} - \text{MAX ACTUAL}) / \text{MAX ALLOWABLE}$
 = $20 \times (250 - 108) / 250$
 = 11.3 POINTS

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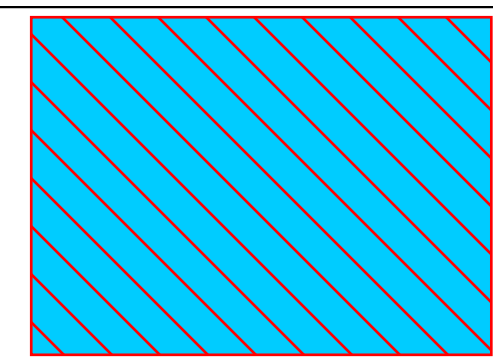
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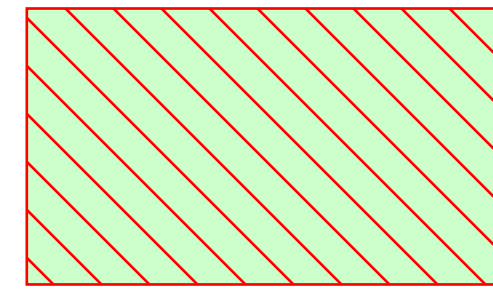
SECTION 3412 ANALYSIS

A0.13

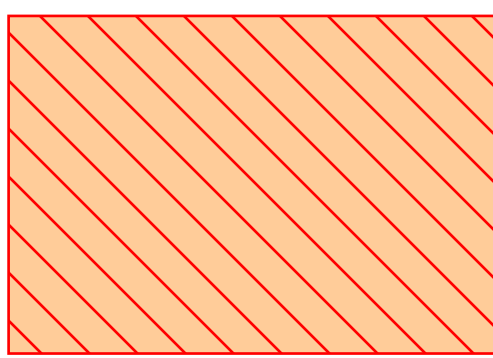
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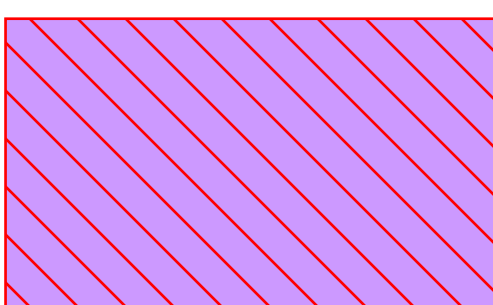
Trash Out



Trash Out & Demo Partitions

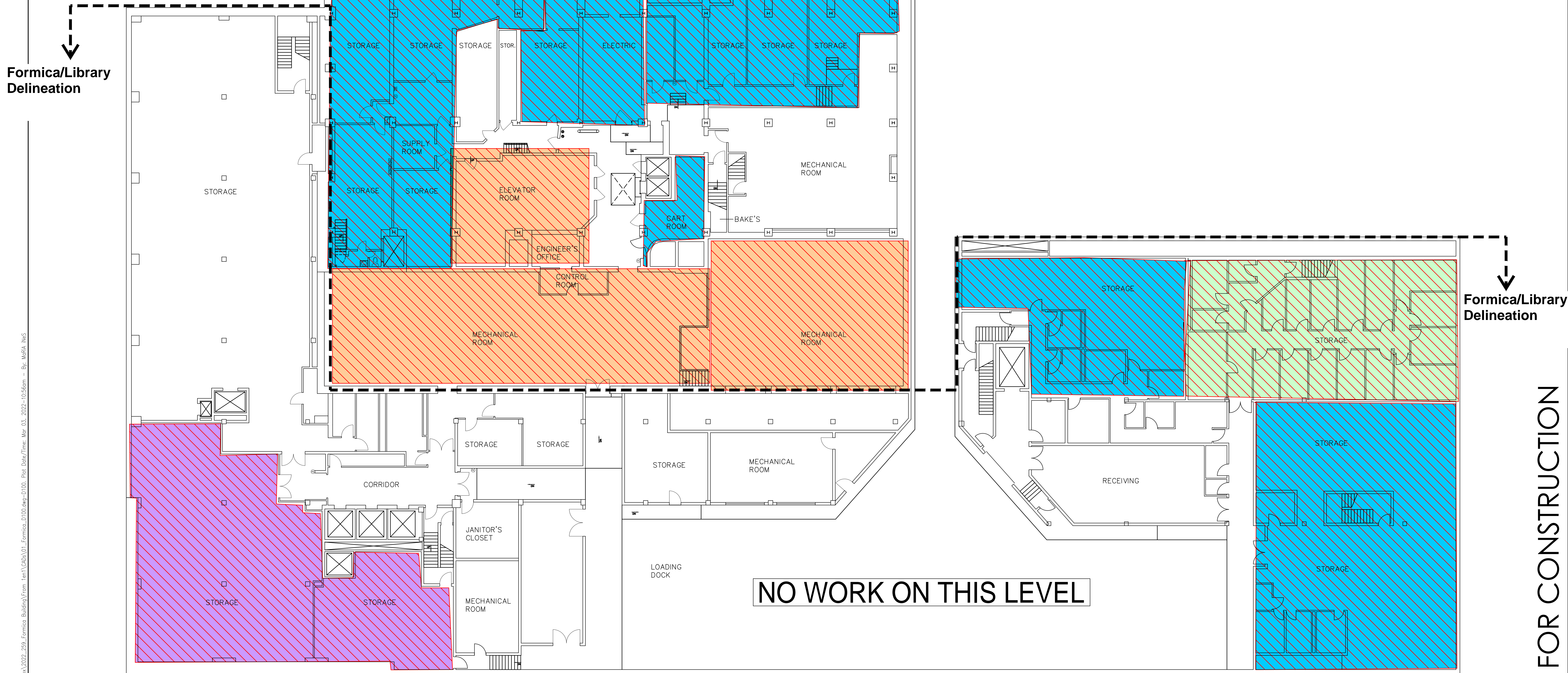


Trash Out, Demo all MEP/and or Elevator Equipment



Trash Out, Demo Flooring, Base and Ceilings

*Include all Abatement throughout both building basements.

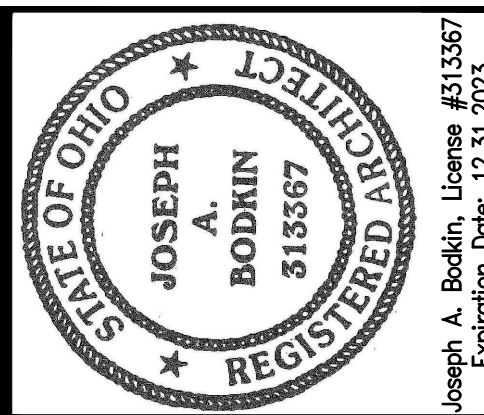
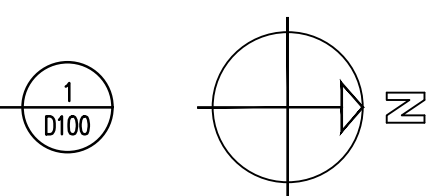


Formica/Library Delineation

Formica/Library Delineation

NO WORK ON THIS LEVEL

DEMOLITION
BASEMENT FLOOR PLAN
SCALE: 3/32" = 1'-0"



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513.559.0048

Formica Building
Office/Apartments
120 e 4th street
Cincinnati OH 45202

NOT FOR CONSTRUCTION

| | | | |
|-------------|--------------------------------|------------|----------|
| Project | Formica Building | Date | |
| | 120 E 4th Street | No. | Revision |
| | Cincinnati, Ohio 45202 | | |
| Sheet Title | BASEMENT FLOOR DEMOLITION PLAN | Issue Date | |
| Project No. | 2022_259 | Drawn | Checked |
| Scale | As Noted | | |

D100

GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

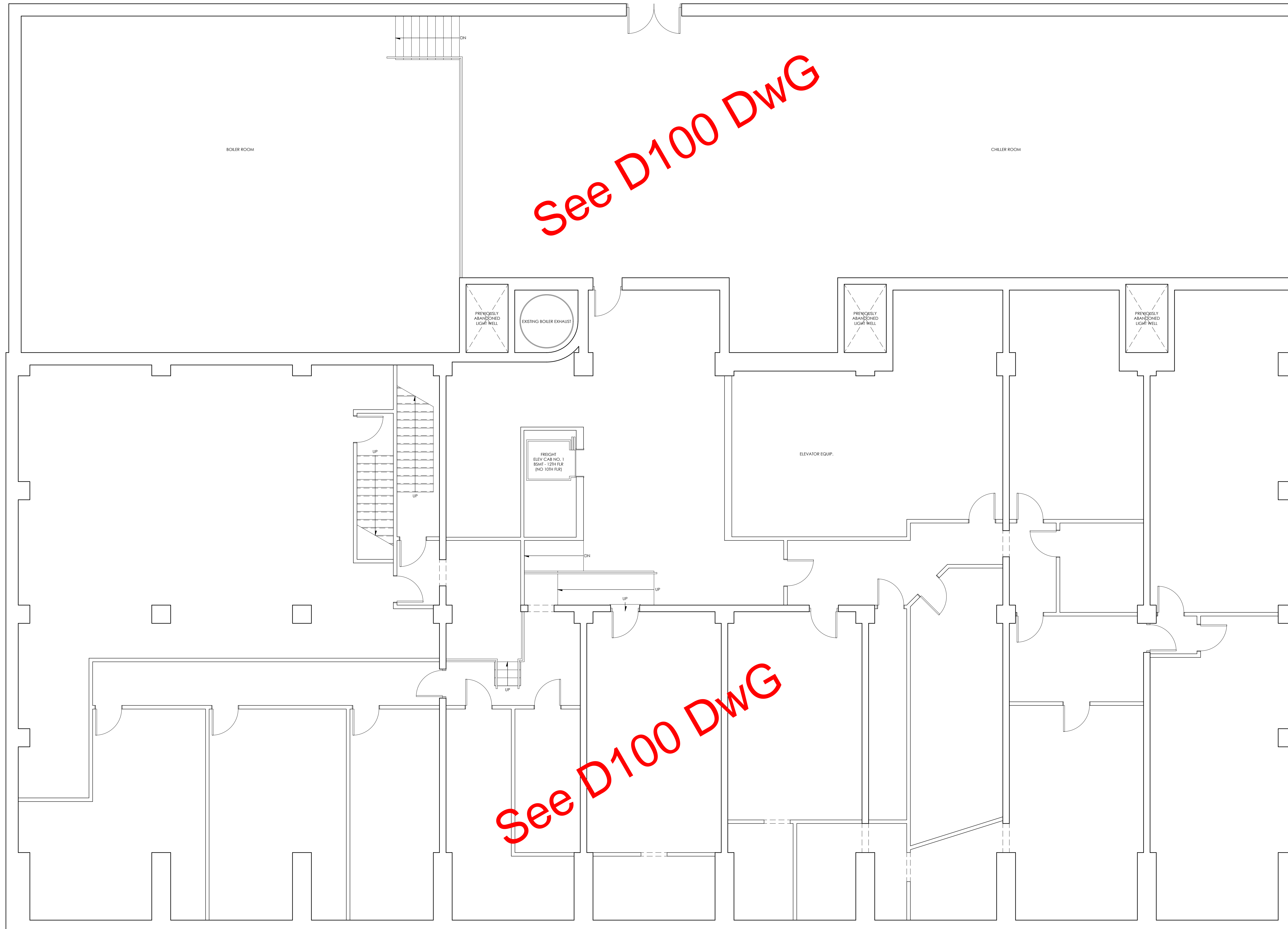
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- MARBLE THRESHOLD TO BE REMOVED
- PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
- PAINTED WOOD PICTURE RAIL TO REMAIN **
- PAINTED WOOD PICTURE RAIL TO BE REMOVED
- PAINTED WOOD CROWN MOULD TO BE REMOVED
- PAINTED WOOD DOOR TRANSOM TO BE REMOVED
- PAINTED WOOD DOOR CASING TO BE REMOVED

* CONTRACTOR SHALL REPAIR HISTORIC BASEBOARD AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES. SALVAGE WOOD BASEBOARD AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER EXTERIOR WALL LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD BASEBOARD TO MATCH HISTORIC BASEBOARD PROFILE AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES AT REMAINING LOCATIONS WHERE HISTORIC BASEBOARD IS MISSING. NEW BASEBOARD ON INTERIOR WALLS WILL NOT MATCH HISTORIC PROFILE. PRIME AND PAINT WOOD TRIM, COLOR TO BE SELECTED BY ARCHITECT.

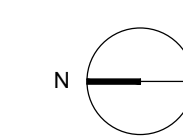
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DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILINGS, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
- REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED CONDUIT.
- REMOVE ALL NON-HISTORIC BUILT-INS.
- EXISTING ELEVATOR HOISTWAYS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED.
- EXISTING COLUMN ENCASEMENTS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED. REMOVE ALL LAYERS OF FURRING DOWN TO HISTORIC PLASTER AND/OR CLAY TILE.
- EXISTING PLASTER CEILINGS ABOVE DROP CEILING ARE TO REMAIN. TAKE CARE AND PROTECT THESE SURFACES DURING WORK.
- ALL EXISTING HISTORIC WOOD WINDOW TRIM (IF PRESENT) TO REMAIN AT FLOORS 2-10, U.O.N.
- ALL OTHER EXISTING TRIM SUCH AS CHAIR RAILS, PICTURE RAILS, AND BASEBOARD SHALL BE MAINTAINED OR REMOVED AS NOTED ON PLANS. ANY REMOVED TRIM SHALL BE SALVAGED FOR INFILL. ARCHITECT TO BE NOTIFIED OF ANY HISTORIC TRIM FOUND DURING DEMOLITION NOT SHOWN ON PLANS. CONTACT ARCHITECT FOR DIRECTION IF ANY ADDITIONAL HISTORIC ELEMENTS ARE DISCOVERED DURING DEMOLITION.



1 BASEMENT DEMOLITION PLAN
A2.00 3/16" = 1'-0"



PRELIMINARY DRAWINGS:
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BASEMENT
DEMOLITION PLAN

A2.00

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- MARBLE THRESHOLD TO BE REMOVED
- △ PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
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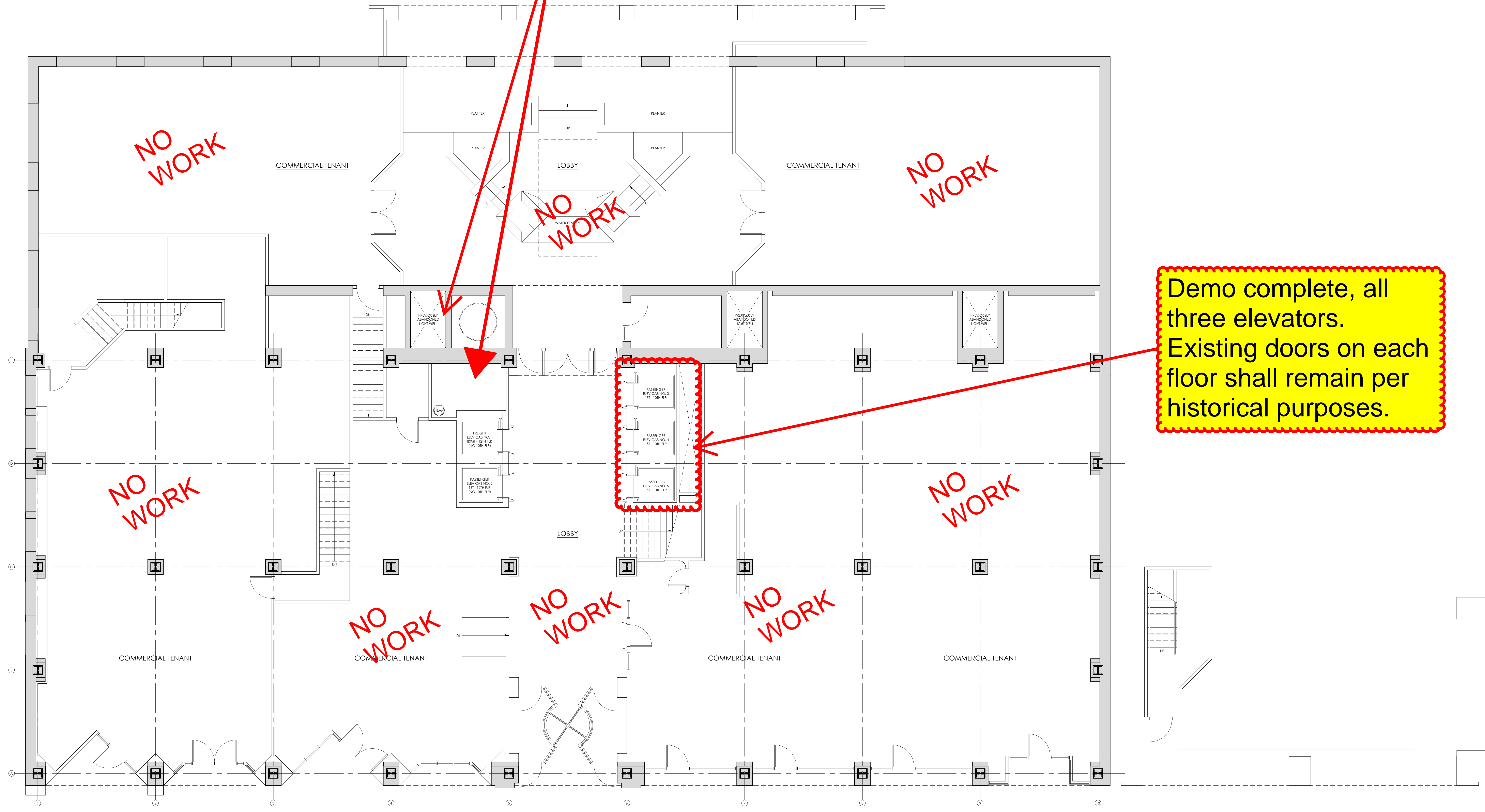
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DEMOLITION GENERAL NOTES

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- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILING, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
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Demo/Abate all existing mep equipment, piping/ductwork on floors 2 through 10.

Demo complete, all three elevators. Existing doors on each floor shall remain per historical purposes.



1 FIRST FLOOR DEMOLITION PLAN
A2.01 3/16" = 1'-0"

PRELIMINARY DRAWINGS:
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FIRST FLOOR
DEMOLITION PLAN

A2.01

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

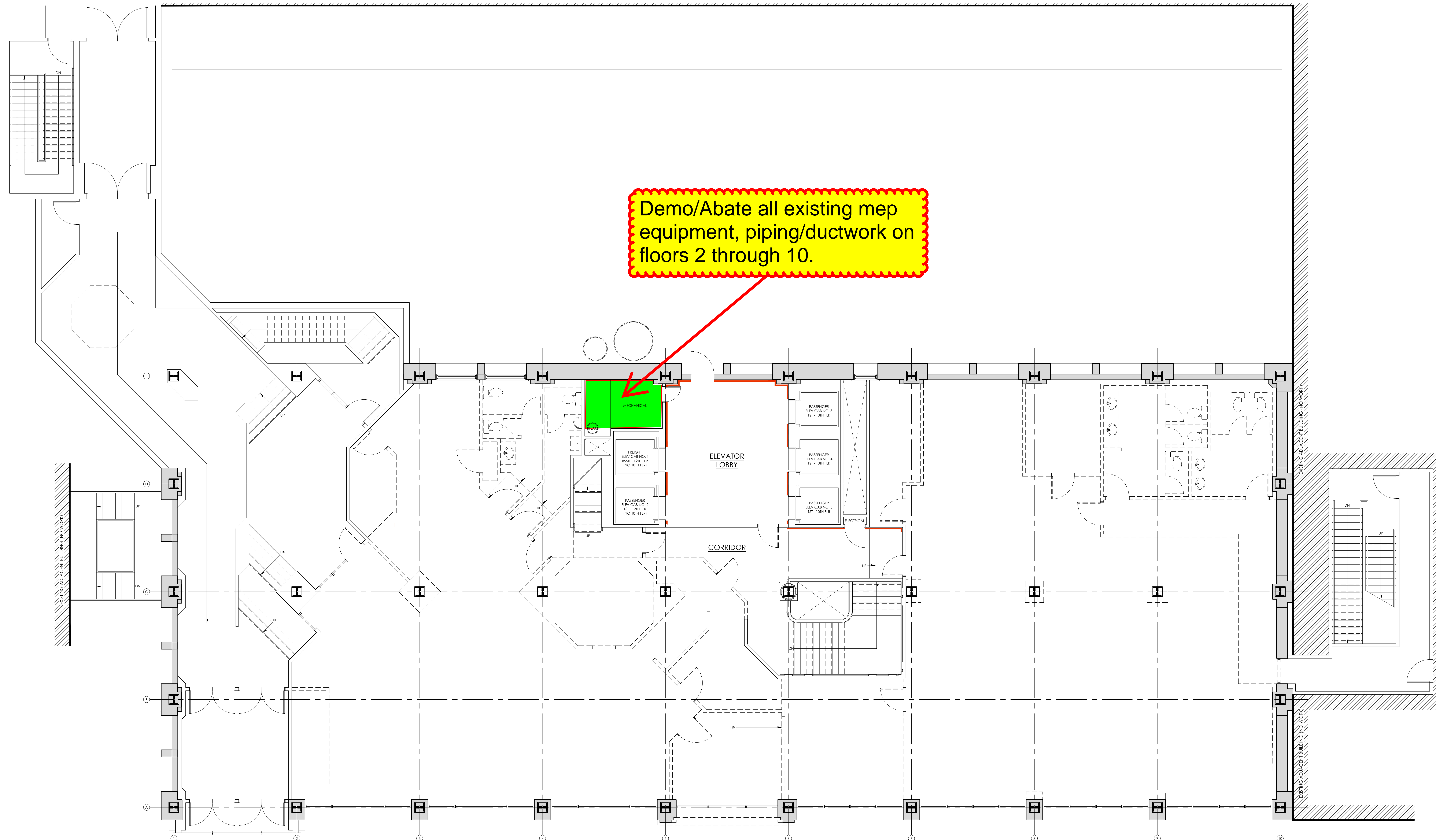
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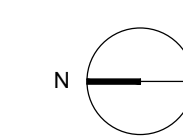
DEMOLITION GENERAL NOTES

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- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
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Demo/Abate all existing mep equipment, piping/ductwork on floors 2 through 10.

1 SECOND FLOOR DEMOLITION PLAN
A2.02 3/16" = 1'-0"



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SECOND FLOOR
DEMOLITION PLAN

A2.02

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
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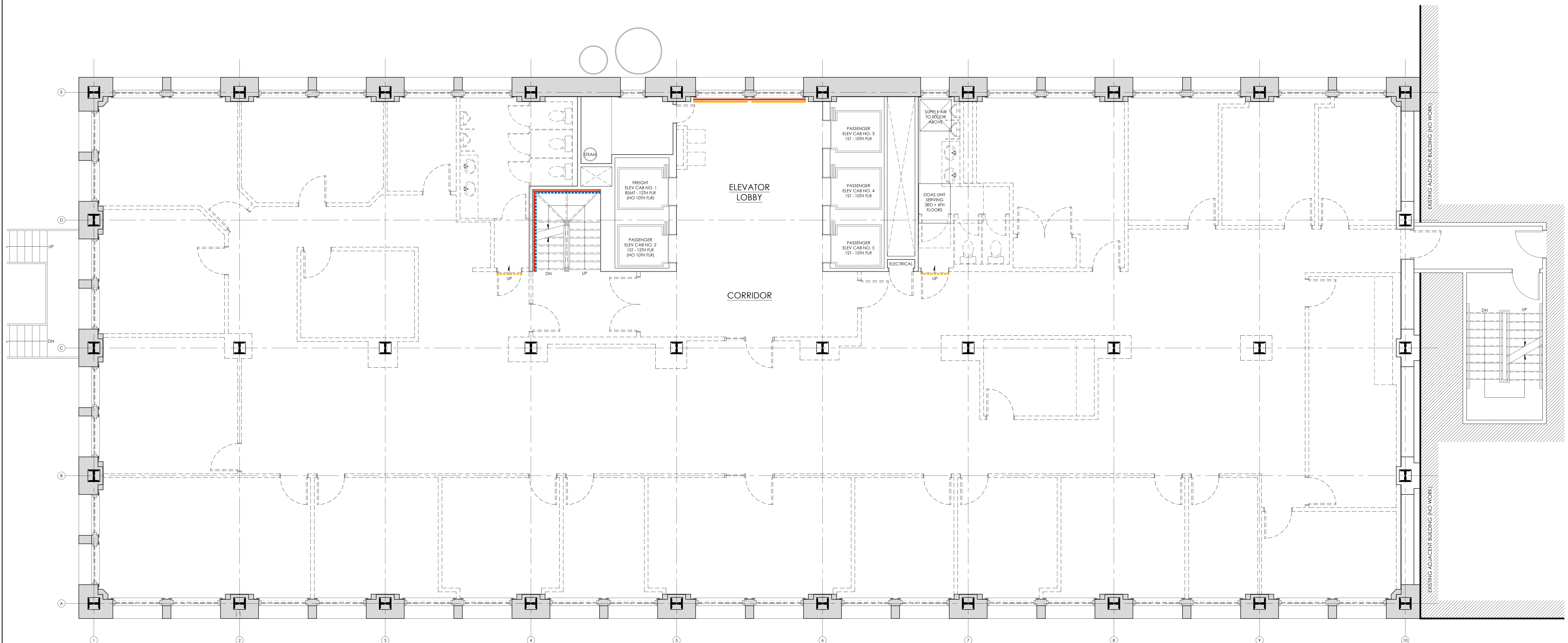
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*** CONTRACTOR SHALL REPAIR WINDOW CASING, SILLS, AND APRONS IN DWELLING UNITS AND COMMON SPACES TO MATCH HISTORIC CONDITION. CASING AND SILLS ARE TYPICALLY PRESENT. APRONS ARE TYPICALLY MISSING OR DAMAGED DUE TO PREVIOUS INSTALLATION OF RADIATOR COVERS. PROVIDE NEW WINDOW CASING, SILLS, AND APRONS TO CLOSELY MATCH HISTORIC PROFILES WHERE HISTORIC ELEMENTS ARE MISSING OR DAMAGED. PRIME AND PAINT WOOD TRIM, COLOR TO BE SELECTED BY ARCHITECT.

DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILINGS, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
- REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED CONDUIT.
- REMOVE ALL NON-HISTORIC BUILT-INS.
- EXISTING ELEVATOR HOISTWAYS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED.
- EXISTING COLUMN ENCASEMENTS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED. REMOVE ALL LAYERS OF FURRING DOWN TO HISTORIC PLASTER AND/OR CLAY TILE.
- EXISTING PLASTER CEILINGS ABOVE DROP CEILING ARE TO REMAIN. TAKE CARE AND PROTECT THESE SURFACES DURING WORK.
- ALL EXISTING HISTORIC WOOD WINDOW TRIM (IF PRESENT) TO REMAIN AT FLOORS 2-10, U.O.N.
- ALL OTHER EXISTING TRIM SUCH AS CHAIR RAILS, PICTURE RAILS, AND BASEBOARD SHALL BE MAINTAINED OR REMOVED AS NOTED ON PLANS. ANY REMOVED TRIM SHALL BE SALVAGED FOR INFILL. ARCHITECT TO BE NOTIFIED OF ANY HISTORIC TRIM FOUND DURING DEMOLITION NOT SHOWN ON PLANS. CONTACT ARCHITECT FOR DIRECTION IF ANY ADDITIONAL HISTORIC ELEMENTS ARE DISCOVERED DURING DEMOLITION.



1 THIRD FLOOR DEMOLITION PLAN
A2.03 1/4" = 1'-0"

PRELIMINARY DRAWINGS:
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THIRD FLOOR
DEMOLITION PLAN

A2.03

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- ▬ EXISTING CONSTRUCTION TO REMAIN
- ▬ EXISTING WINDOW TO BE REMOVED
- ▬ EXISTING WINDOW TO REMAIN
- ▬ EXISTING DOOR TO BE REMOVED
- ▬ EXISTING DOOR TO REMAIN
- ▬ MARBLE WAINSCOT TO REMAIN
- ▬ MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- ▬ MARBLE THRESHOLD TO BE REMOVED
- ▬ PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
- ▬ PAINTED WOOD PICTURE RAIL TO REMAIN **
- ▬ PAINTED WOOD PICTURE RAIL TO BE REMOVED
- ▬ PAINTED WOOD CROWN MOULD TO BE REMOVED
- ▬ PAINTED WOOD DOOR TRANSOM TO BE REMOVED
- ▬ PAINTED WOOD DOOR CASING TO BE REMOVED
- ▬ COVE CEILING REMNANT TO BE REMOVED 2

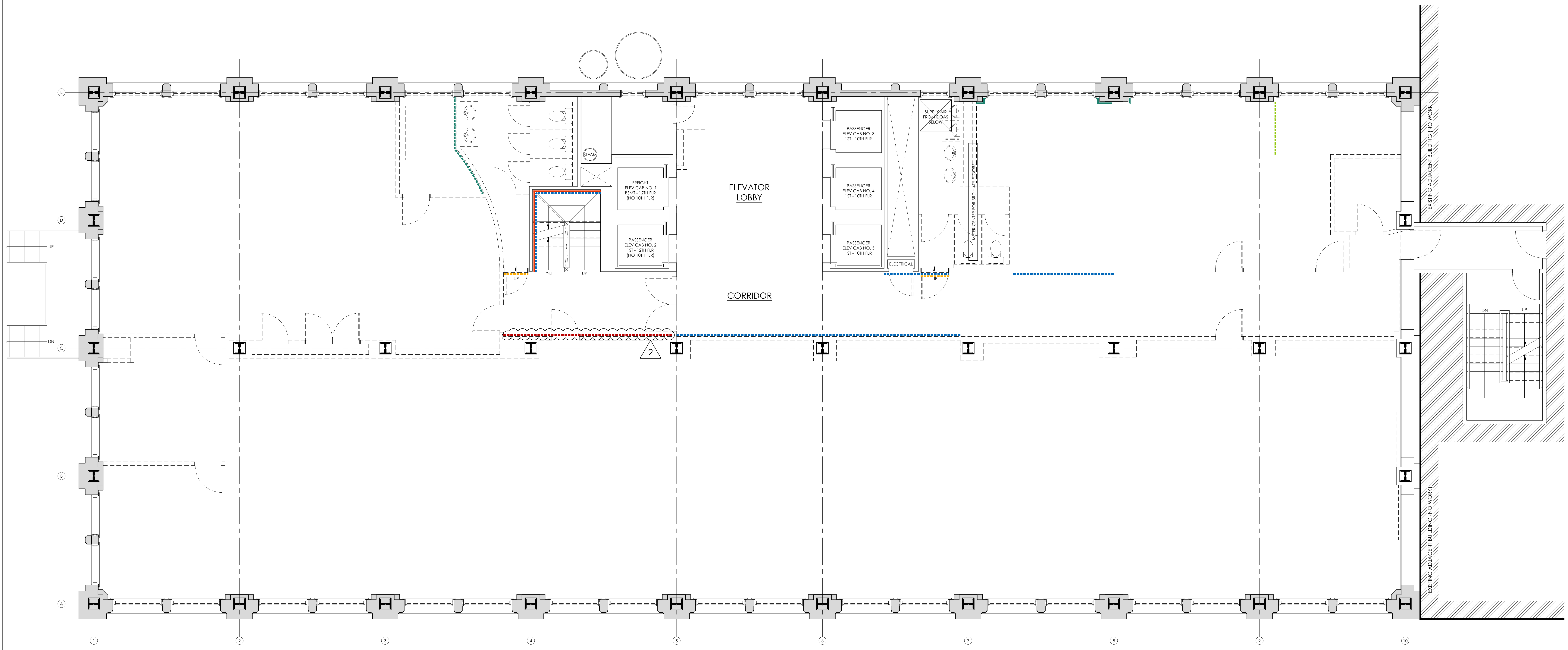
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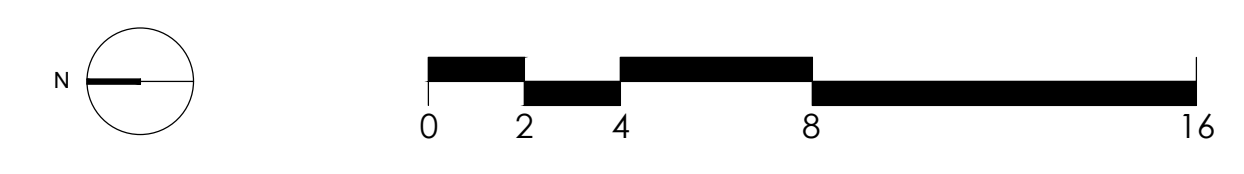
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DEMOLITION GENERAL NOTES

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- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
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1
A2.04
1/4" = 1'-0"



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HISTORIC PART 2 REVISION

FOURTH FLOOR
DEMOLITION PLAN

A2.04

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- MARBLE THRESHOLD TO BE REMOVED
- △ PAINTED WOOD BASEBOARD TO BE REMOVED/SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
- PAINTED WOOD PICTURE RAIL TO REMAIN **
- PAINTED WOOD PICTURE RAIL TO BE REMOVED
- PAINTED WOOD CROWN MOULD TO BE REMOVED
- PAINTED WOOD DOOR TRANSOM TO BE REMOVED
- PAINTED WOOD DOOR CASING TO BE REMOVED

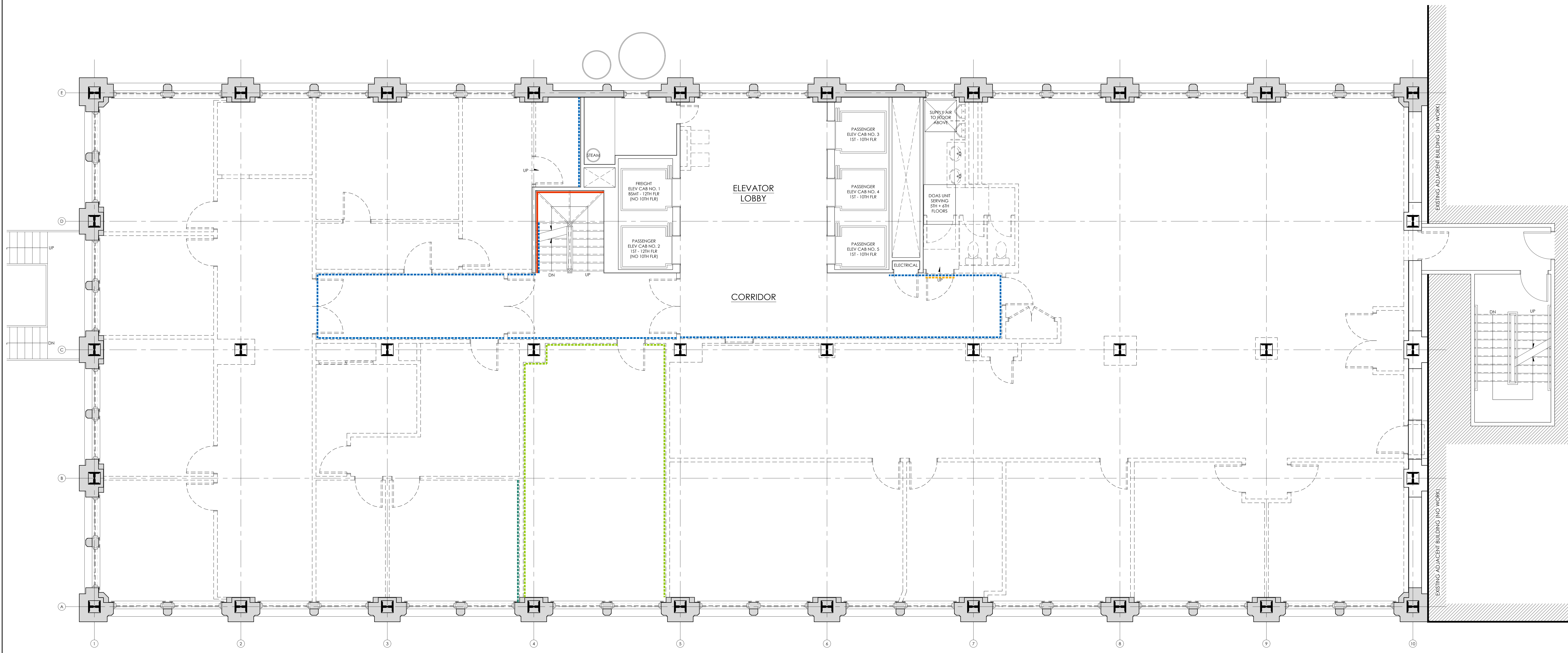
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DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILINGS, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
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1 A2.05 FIFTH FLOOR DEMOLITION PLAN 1/4" = 1'-0"

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FIFTH FLOOR
DEMOLITION PLAN

A2.05

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

| | | | |
|--|--|--|---|
| | EXISTING CONSTRUCTION TO BE DEMOLISHED | | PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). * |
| | EXISTING CONSTRUCTION TO REMAIN | | PAINTED WOOD PICTURE RAIL TO REMAIN ** |
| | EXISTING WINDOW TO BE REMOVED | | PAINTED WOOD PICTURE RAIL TO BE REMOVED |
| | EXISTING WINDOW TO REMAIN | | PAINTED WOOD CROWN MOULD TO BE REMOVED |
| | EXISTING DOOR TO BE REMOVED | | PAINTED WOOD DOOR TRANSOM TO BE REMOVED |
| | EXISTING DOOR TO REMAIN | | PAINTED WOOD DOOR CASING TO BE REMOVED |
| | MARBLE WAINSCOT TO REMAIN | | |
| | MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN | | |
| | MARBLE THRESHOLD TO BE REMOVED | | |

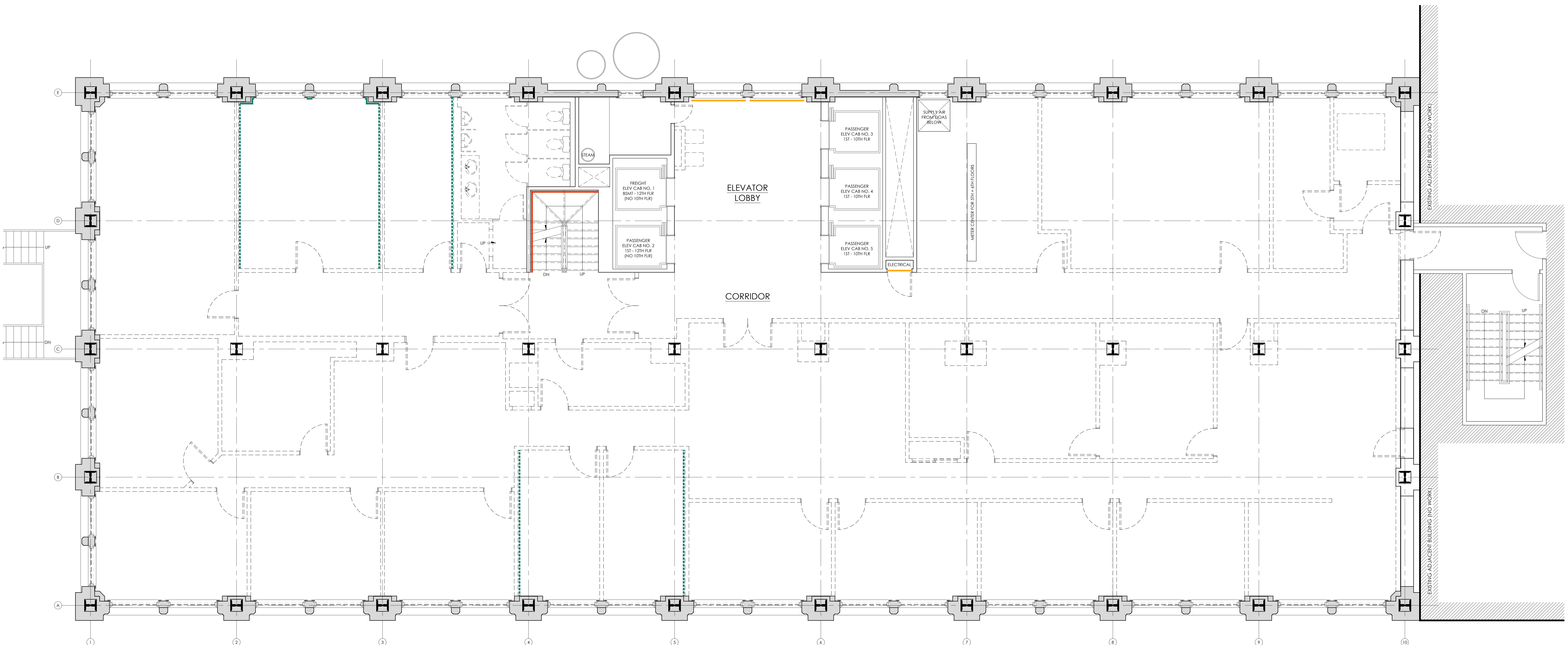
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DEMOLITION GENERAL NOTES

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1 SIXTH FLOOR DEMOLITION PLAN
A2.06
1/4" = 1'-0"

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SIXTH FLOOR
DEMOLITION PLAN

A2.06

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
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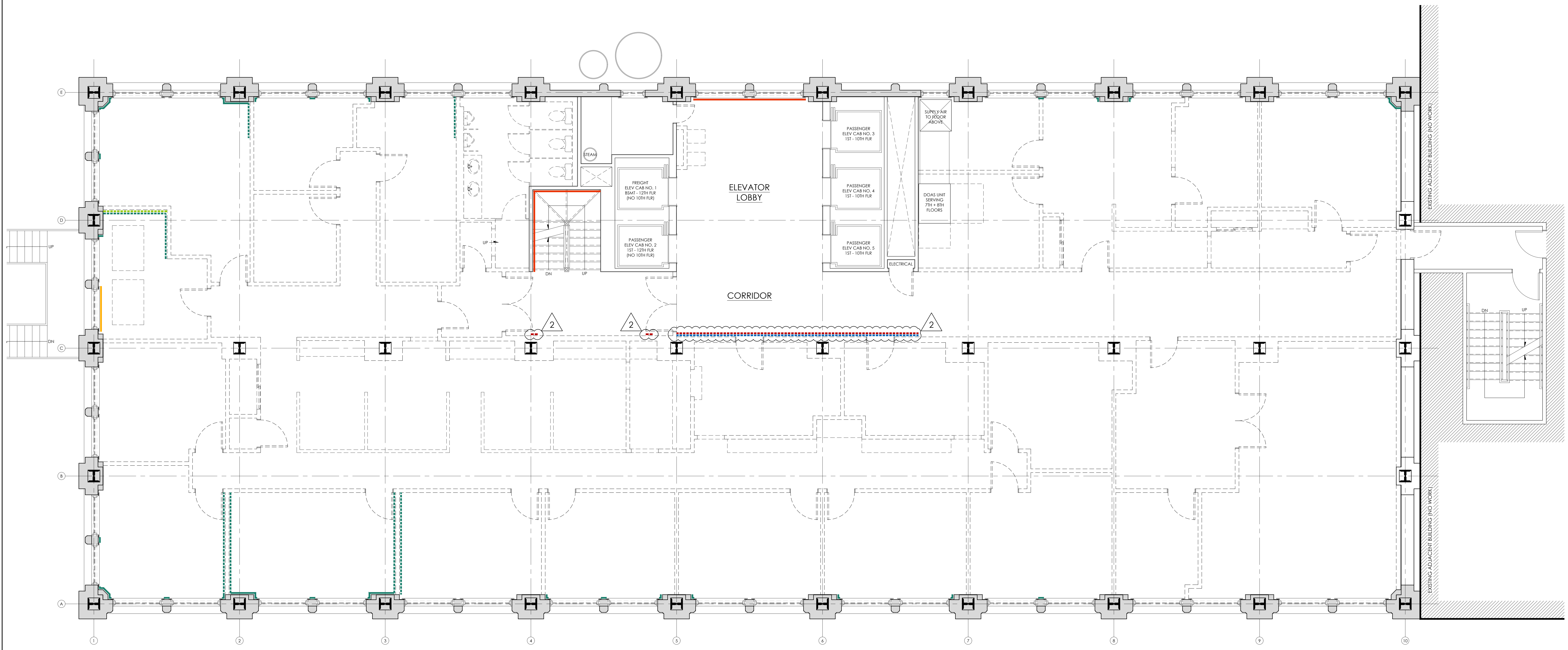
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DEMOLITION GENERAL NOTES

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1 SEVENTH FLOOR DEMOLITION PLAN
A2.07 1/4" = 1'-0"

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CINCINNATI, OH 45225

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ISSUE LOG:
02.24.2021 HISTORIC PART 2 SUBMISSION
03.31.2021 HISTORIC PART 2 REVISION
05.14.2021 HISTORIC PART 2 REVISION

SEVENTH FLOOR
DEMOLITION PLAN

A2.07

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- MARBLE THRESHOLD TO BE REMOVED
- △ PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
- PAINTED WOOD PICTURE RAIL TO REMAIN **
- PAINTED WOOD PICTURE RAIL TO BE REMOVED
- PAINTED WOOD CROWN MOULD TO BE REMOVED
- PAINTED WOOD DOOR TRANSOM TO BE REMOVED
- PAINTED WOOD DOOR CASING TO BE REMOVED

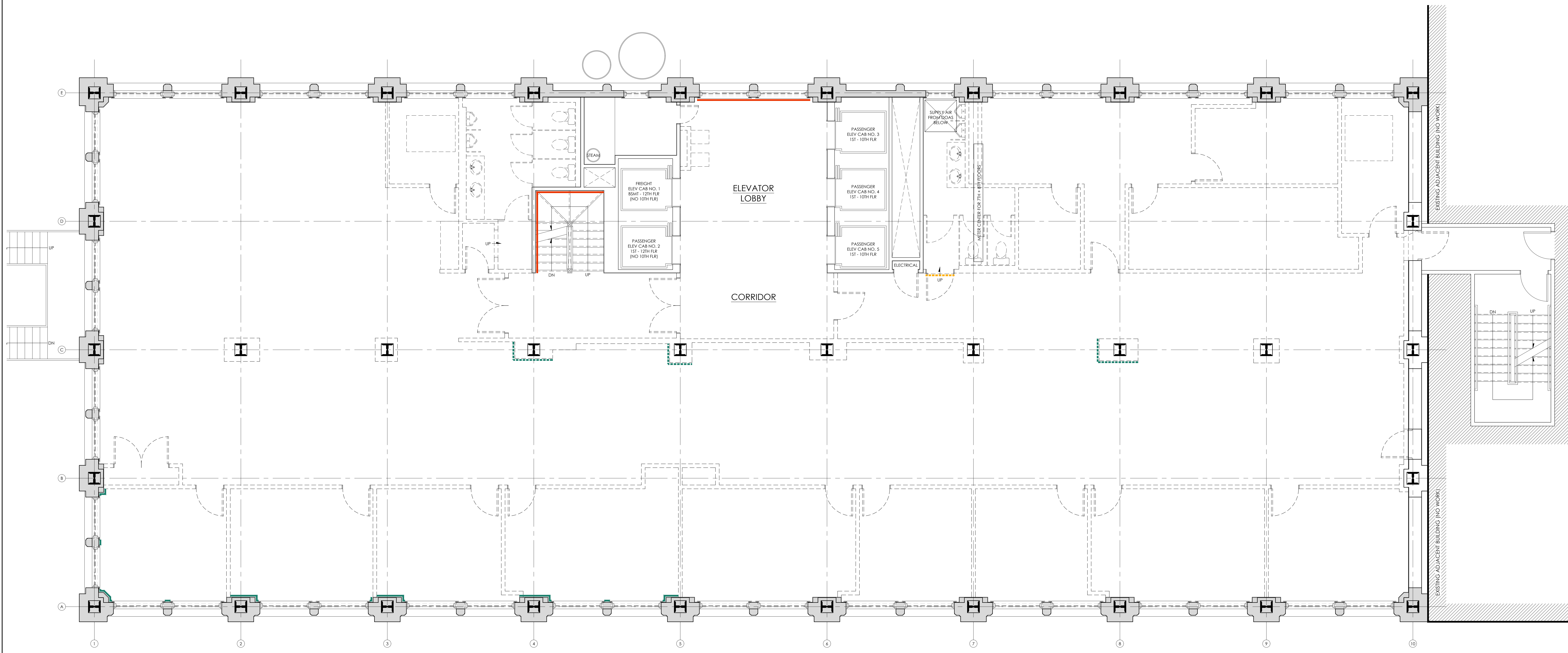
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DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILINGS, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
- REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED CONDUIT.
- REMOVE ALL NON-HISTORIC BUILT-INS.
- EXISTING ELEVATOR HOISTWAYS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED.
- EXISTING COLUMN ENCASEMENTS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED. REMOVE ALL LAYERS OF FURRING DOWN TO HISTORIC PLASTER AND/OR CLAY TILE.
- EXISTING PLASTER CEILINGS ABOVE DROP CEILING ARE TO REMAIN. TAKE CARE AND PROTECT THESE SURFACES DURING WORK.
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1 EIGHTH FLOOR DEMOLITION PLAN
A2.08 1/4" = 1'-0"

PRELIMINARY DRAWINGS:
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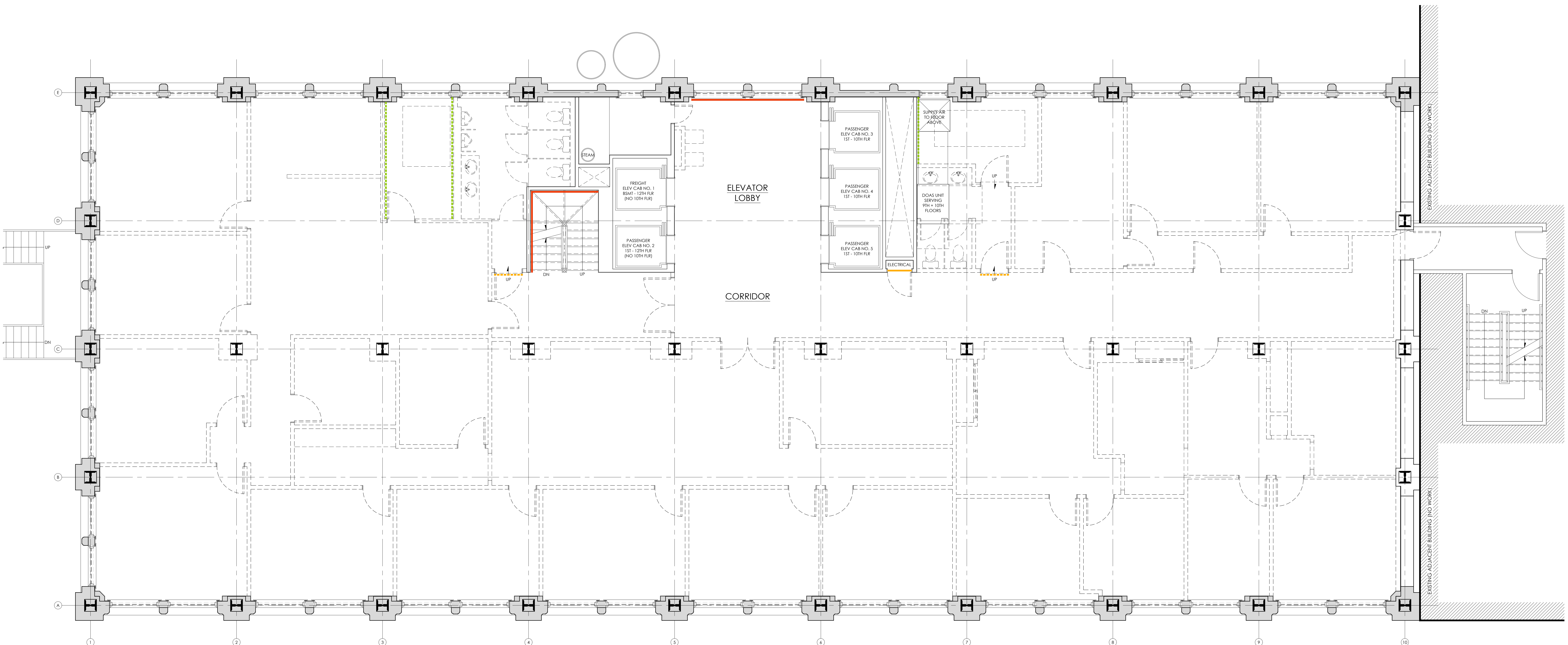
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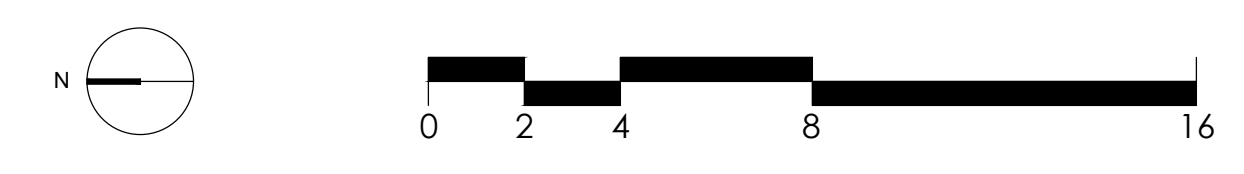
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1
A2.09
1/4" = 1'-0"
NINTH FLOOR DEMOLITION PLAN



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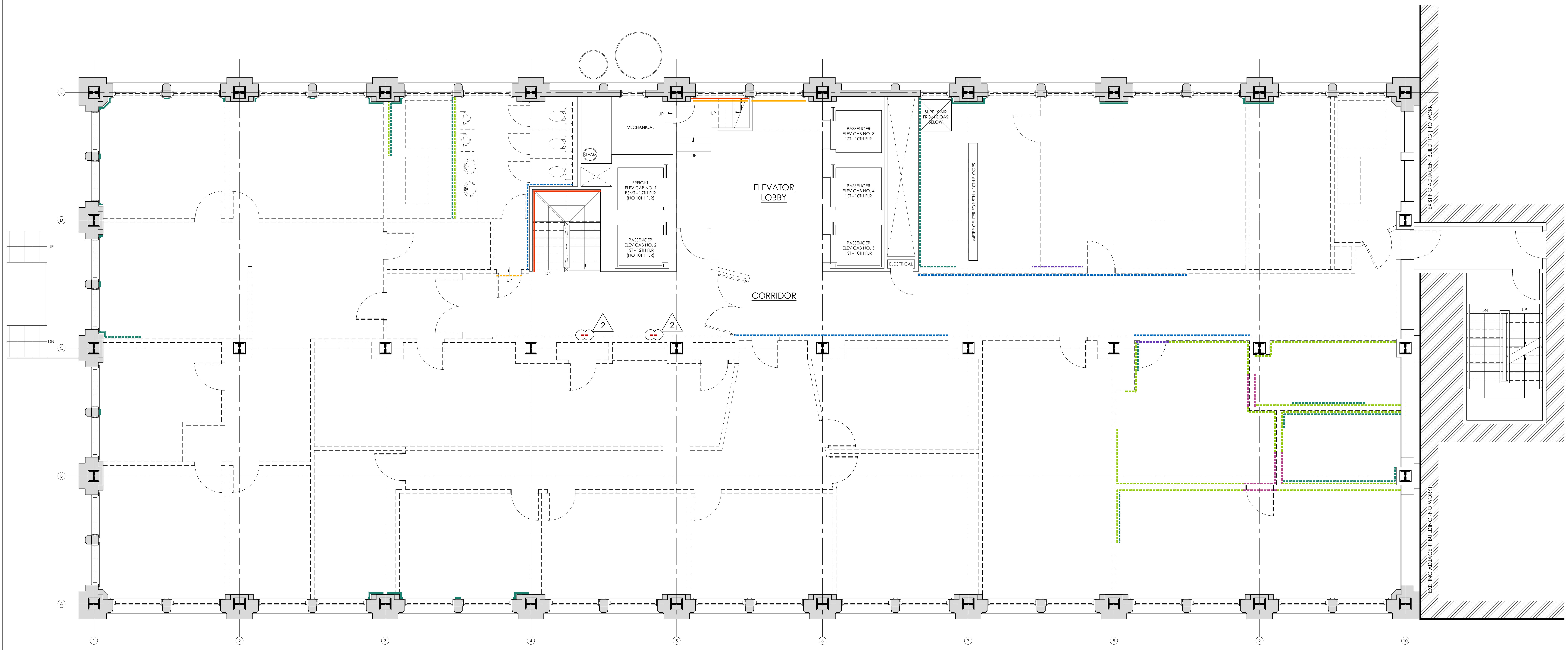
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1 TENTH FLOOR DEMOLITION PLAN
A2.10 1/4" = 1'-0"

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TENTH FLOOR
DEMOLITION PLAN

A2.10
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GRAPHICS SYMBOL LEGEND

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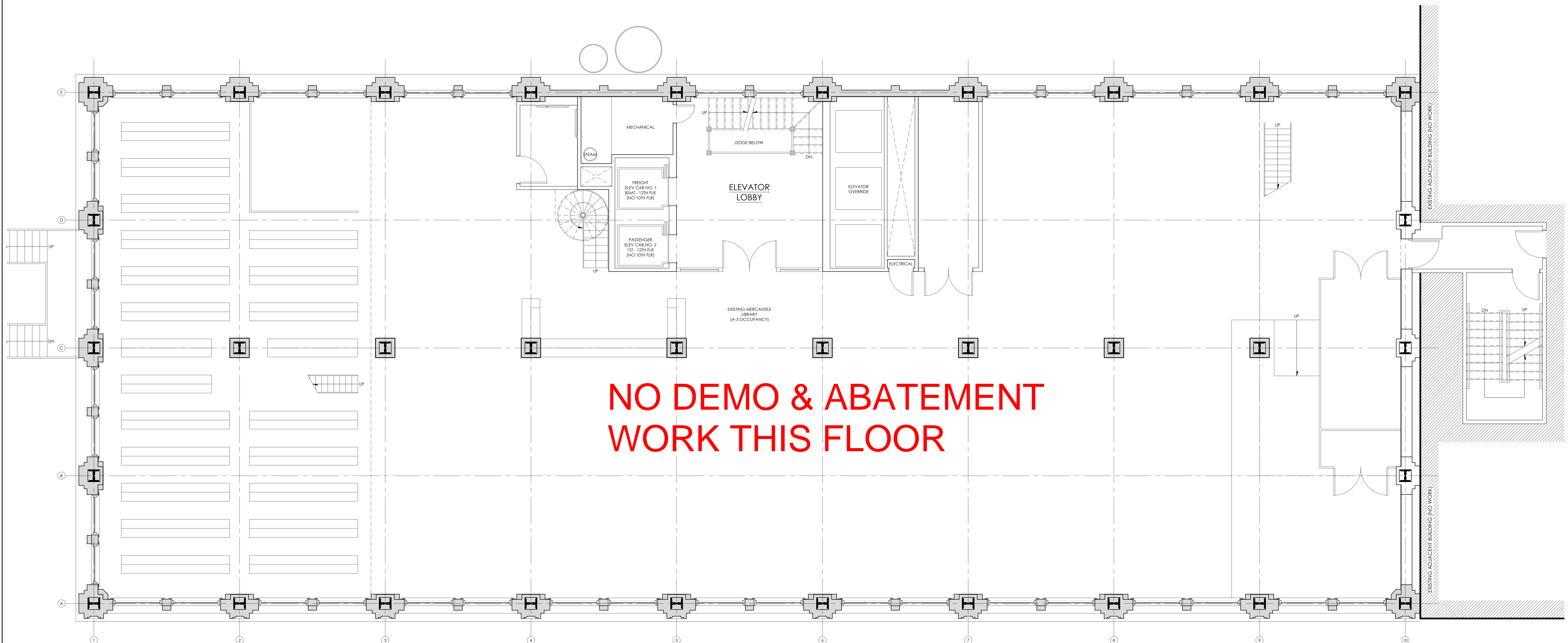
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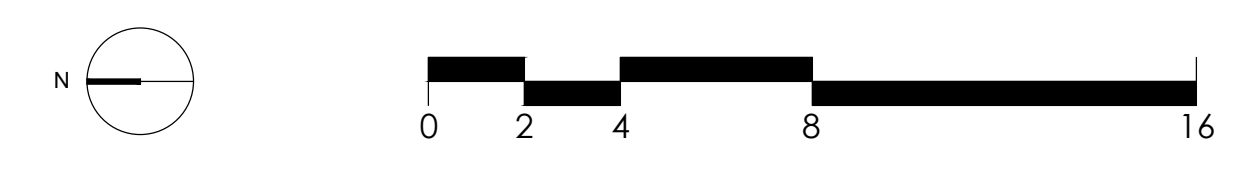
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1 ELEVENTH FLOOR DEMOLITION PLAN
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ELEVENTH FLOOR
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* CONTRACTOR SHALL REPAIR HISTORIC BASEBOARD AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES. SALVAGE WOOD BASEBOARD AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER EXTERIOR WALL LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD BASEBOARD TO MATCH HISTORIC BASEBOARD PROFILE AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES AT REMAINING LOCATIONS WHERE HISTORIC BASEBOARD IS MISSING. NEW BASEBOARD ON INTERIOR WALLS WILL NOT MATCH HISTORIC PROFILE. PRIME AND PAINT WOOD TRIM, COLOR TO BE SELECTED BY ARCHITECT.

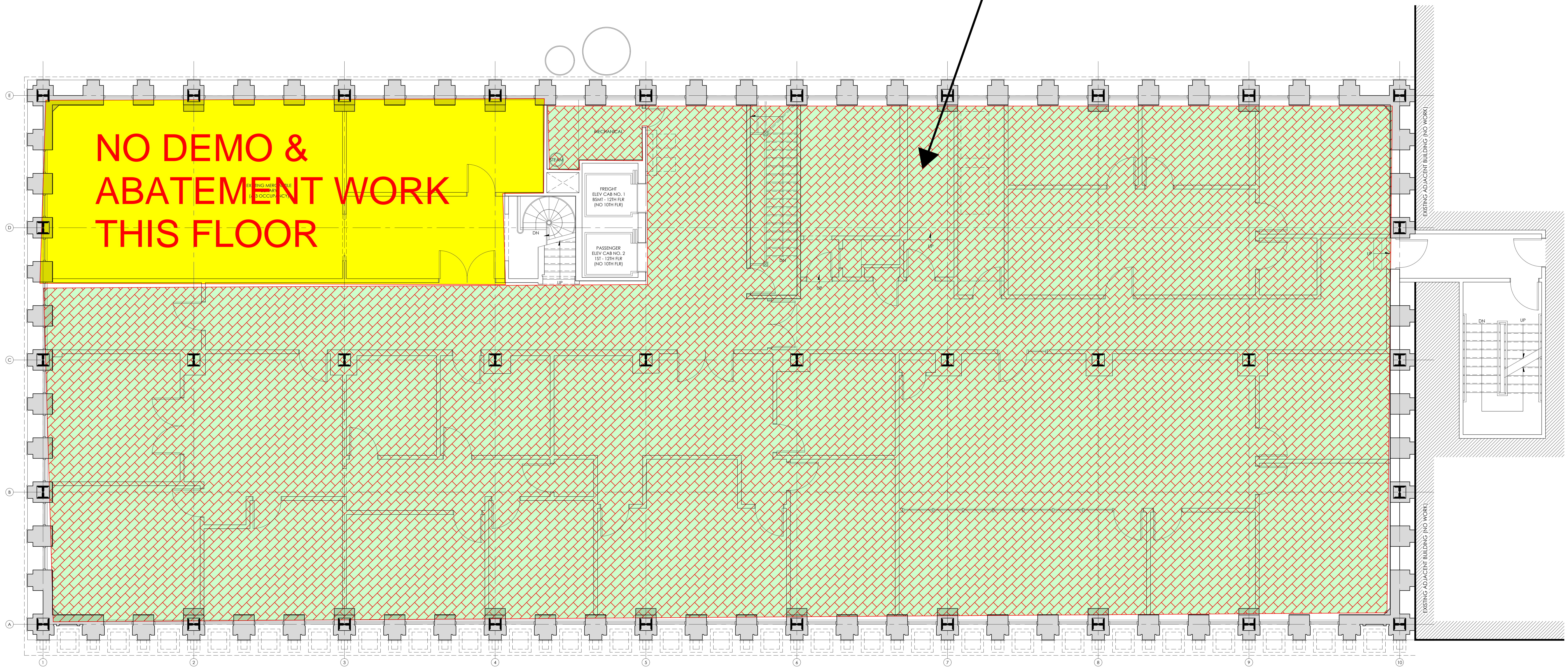
** CONTRACTOR SHALL REPAIR HISTORIC PICTURE RAIL AT PERIMETER EXTERIOR WALLS INSIDE OF DWELLING UNITS. SALVAGE WOOD PICTURE RAIL AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER WALL LOCATIONS AT REMAINING MISSING LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD PICTURE RAIL TO MATCH HISTORIC PICTURE RAIL PROFILE AT PERIMETER EXTERIOR WALLS INSIDE OF DWELLING UNITS WHERE ANY HISTORIC PICTURE RAIL IS PRESENT (TO COMPLETE THE EXTERIOR WALLS). DO NOT INSTALL NEW PICTURE RAIL INSIDE OF DWELLING UNITS WHERE NO HISTORIC PICTURE RAIL IS PRESENT.

*** CONTRACTOR SHALL REPAIR WINDOW CASING, SILLS, AND APRONS IN DWELLING UNITS AND COMMON SPACES TO MATCH HISTORIC CONDITION. CASING AND SILLS ARE TYPICALLY PRESENT. APRONS ARE TYPICALLY MISSING OR DAMAGED DUE TO PREVIOUS INSTALLATION OF RADIATOR COVERS. PROVIDE NEW WINDOW CASING, SILLS, AND APRONS TO CLOSELY MATCH HISTORIC PROFILES WHERE HISTORIC ELEMENTS ARE MISSING OR DAMAGED. PRIME AND PAINT WOOD TRIM, COLOR TO BE SELECTED BY ARCHITECT.

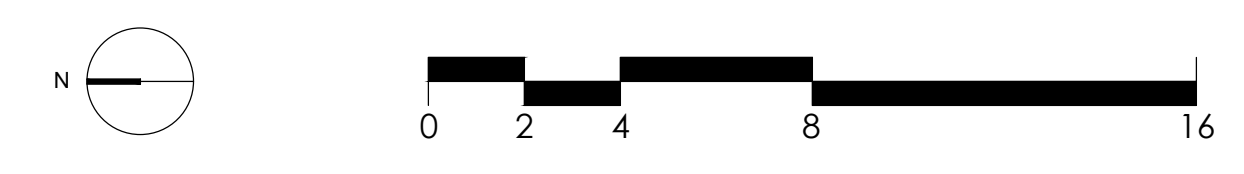
DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
- REMOVE ALL EXISTING CARPET, VINYL FLOOR TILE AND VINYL WALL BASE.
- REMOVE ALL EXISTING FURNITURE.
- REMOVE EXISTING MECHANICAL, ELECTRICAL, FIRE ALARM, PLUMBING SYSTEMS & OTHER BUILDING SYSTEMS, INCLUDING DUCTWORK, RADIATORS, PIPING, CONDUIT, HANGERS, ETC. CAP/TERMINATE AS REQUIRED. ALL MATERIALS THAT PENETRATE WALL, CEILINGS, OR FLOORS TO BE CUT FLUSH AND GROUND SMOOTH. SURROUNDING FINISH MATERIALS TO NOT BE DAMAGED.
- REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED CONDUIT.
- REMOVE ALL NON-HISTORIC BUILT-INS.
- EXISTING ELEVATOR HOISTWAYS TO REMAIN, G.C. TO VERIFY 2-HR FIRE-RESISTANCE RATING AND NOTIFY ARCHITECT FOR DIRECTION IF NOT ADEQUATELY FIRE-RATED.
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- EXISTING PLASTER CEILINGS ABOVE DROP CEILING ARE TO REMAIN. TAKE CARE AND PROTECT THESE SURFACES DURING WORK.
- ALL EXISTING HISTORIC WOOD WINDOW TRIM (IF PRESENT) TO REMAIN AT FLOORS 2-10, U.O.N.
- ALL OTHER EXISTING TRIM SUCH AS CHAIR RAILS, PICTURE RAILS, AND BASEBOARD SHALL BE MAINTAINED OR REMOVED AS NOTED ON PLANS. ANY REMOVED TRIM SHALL BE SALVAGED FOR INFILL. ARCHITECT TO BE NOTIFIED OF ANY HISTORIC TRIM FOUND DURING DEMOLITION NOT SHOWN ON PLANS. CONTACT ARCHITECT FOR DIRECTION IF ANY ADDITIONAL HISTORIC ELEMENTS ARE DISCOVERED DURING DEMOLITION.

12th Floor Alternate



1 TWELFTH FLOOR DEMOLITION PLAN
A2.12 1/4" = 1'-0"



PRELIMINARY DRAWINGS:
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TWELFTH FLOOR
DEMOLITION PLAN

A2.12
PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

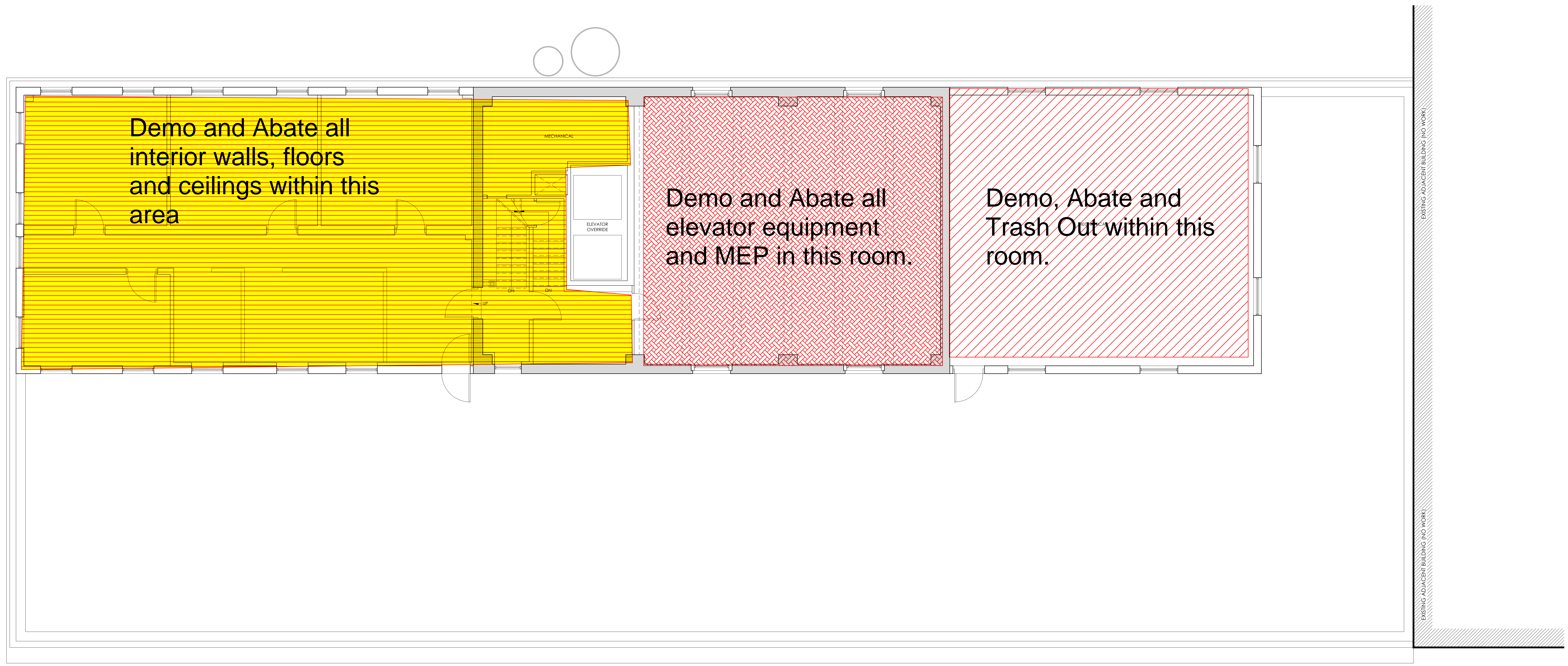
NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WINDOW TO BE REMOVED
- EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- MARBLE THRESHOLD TO BE REMOVED
- PAINTED WOOD BASEBOARD TO BE REMOVED/ SALVAGED. BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS AND WILL REMAIN AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). *
- PAINTED WOOD PICTURE RAIL TO REMAIN **
- PAINTED WOOD PICTURE RAIL TO BE REMOVED
- PAINTED WOOD CROWN MOULD TO BE REMOVED
- PAINTED WOOD DOOR TRANSOM TO BE REMOVED
- PAINTED WOOD DOOR CASING TO BE REMOVED

- * CONTRACTOR SHALL REPAIR HISTORIC BASEBOARD AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES. SALVAGE WOOD BASEBOARD AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER EXTERIOR WALL LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD BASEBOARD TO MATCH HISTORIC BASEBOARD PROFILE AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES AT REMAINING LOCATIONS WHERE HISTORIC BASEBOARD IS MISSING. NEW BASEBOARD ON INTERIOR WALLS WILL NOT MATCH HISTORIC PROFILE. PRIME AND PAINT WOOD TRIM, COLOR TO BE SELECTED BY ARCHITECT.
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DEMOLITION GENERAL NOTES

- REMOVE ALL EXISTING SUSPENDED CEILINGS.
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GRAPHICS SYMBOL LEGEND

NOTE: PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME, AND PAINT. ***

- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING CONSTRUCTION TO REMAIN
- ==== EXISTING WINDOW TO BE REMOVED
- ==== EXISTING WINDOW TO REMAIN
- EXISTING DOOR TO BE REMOVED
- EXISTING DOOR TO REMAIN
- MARBLE WAINSCOT TO REMAIN
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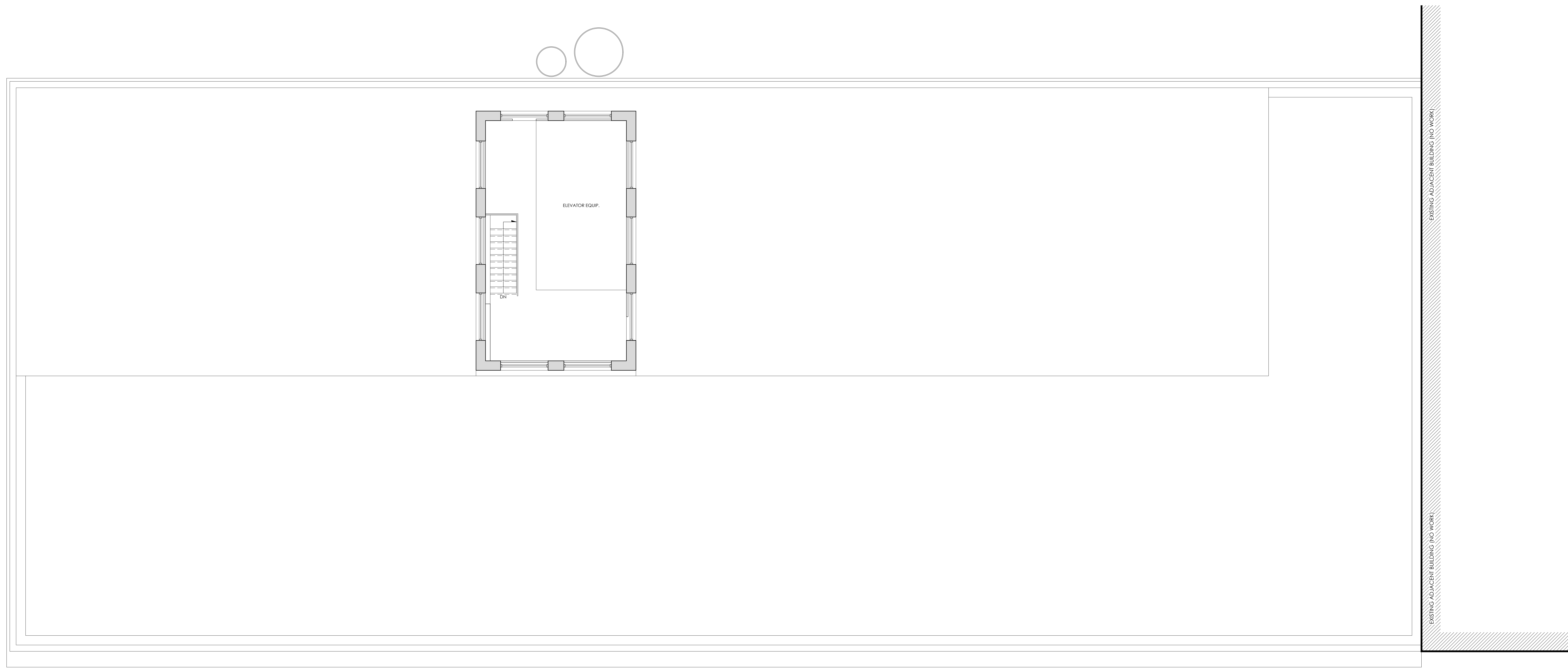
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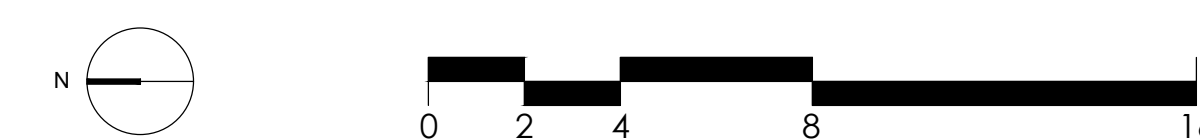
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DEMOLITION GENERAL NOTES

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1 A2.14 PENTHOUSE / ROOF DEMOLITION PLAN
1/4" = 1'-0"



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PENTHOUSE / ROOF
DEMOLITION PLAN

A2.14

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTES:

- PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME AND PAINT. ***
- PAINTED WOOD BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). BASEBOARD TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME AND PAINT. *

| | | | |
|--|--|--|---|
| | EXISTING CONSTRUCTION TO REMAIN | | HATCH INDICATES AREA OF NEW LOWERED GYP. BD. CEILING (ABOVE). DASHED LINE INDICATES FACE OF SOFFIT (ABOVE). |
| | INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY | | MARBLE WAINSCOT TO REMAIN |
| | NEW PARTITION WALL | | MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN |
| | NEW WINDOW | | PAINTED WOOD PICTURE RAIL TO REMAIN ** |
| | NEW DOOR | | |

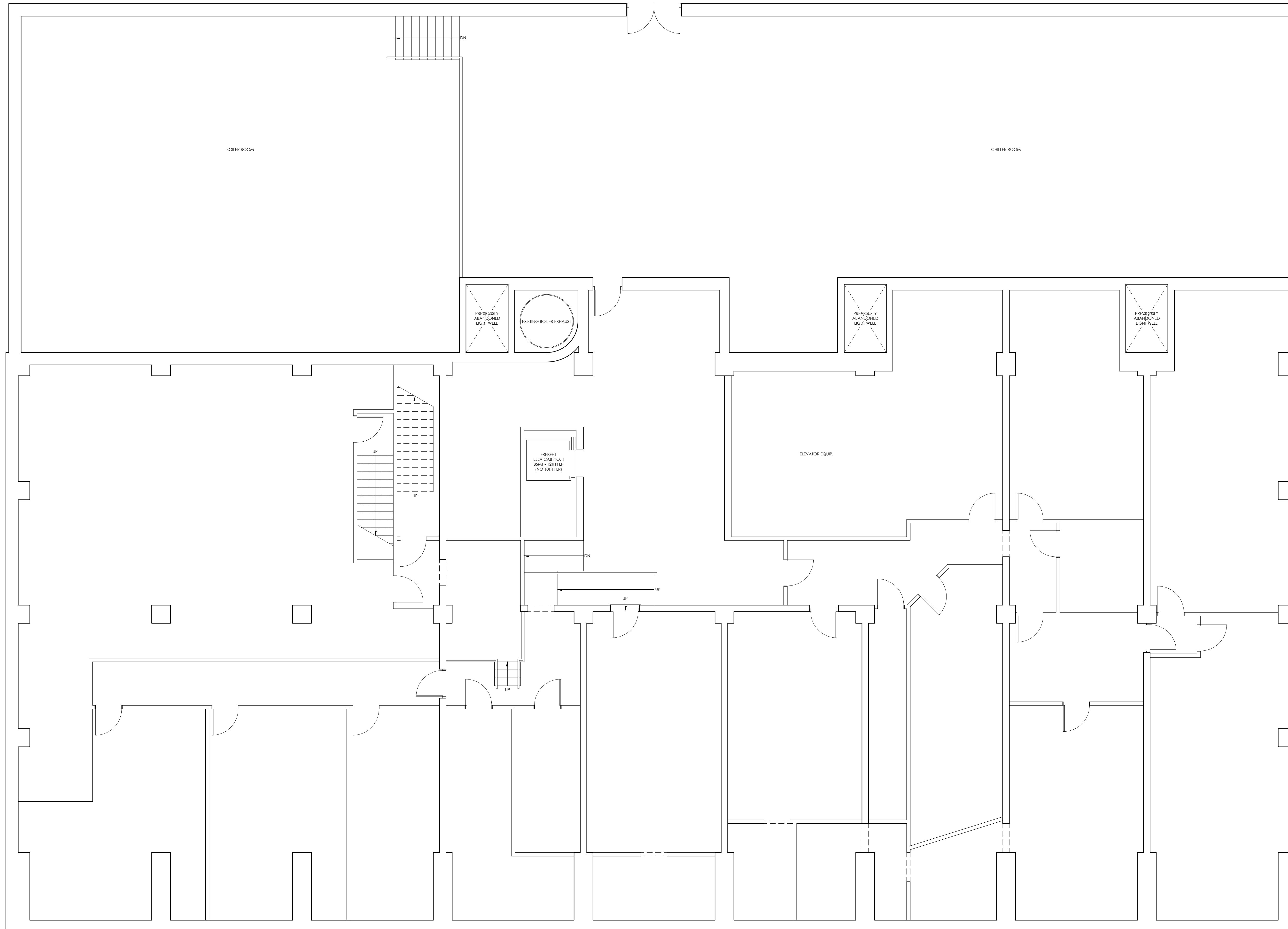
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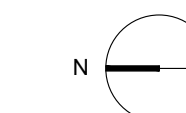
NEW WORK GENERAL NOTES

- ALL EXISTING HISTORIC WOOD WINDOW TRIMS TO REMAIN. REPAIR, PRIME AND PAINT.
- EXISTING HISTORIC TERRA COTTA WINDOW SURROUNDS AND MULLIONS AT EXISTING WINDOW OPENINGS TO REMAIN. SEE WINDOW DETAILS ON A0.5.
- ALL LOAD BEARING STRUCTURAL ELEMENTS ARE TO REMAIN, U.O.N.
- EXCEPT WHERE NEW DROPPED CEILINGS ARE SHOWN, EXISTING PLASTER CEILINGS ARE TO REMAIN. PROVIDE (1) LAYER OF 5/8" GYPSUM BOARD ON 7/8" FURRING CHANNELS OVER EXISTING PLASTER.
- EXISTING NON-HISTORIC STOREFRONT INFILL TO REMAIN THROUGHOUT FIRST FLOOR.
- ALL EXISTING ELEVATOR CABS AND MACHINERY TO REMAIN. PROTECT THROUGHOUT DEMOLITION AND CONSTRUCTION. G.C. TO REVIEW CONDITION AND REPAIR AS REQUIRED.



1 A3.00 3/16" = 1'-0"

BASEMENT NEW WORK PLAN



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BASEMENT
NEW WORK PLAN

A3.00

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

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- EXISTING CONSTRUCTION TO REMAIN
- NEW PARTITION WALL
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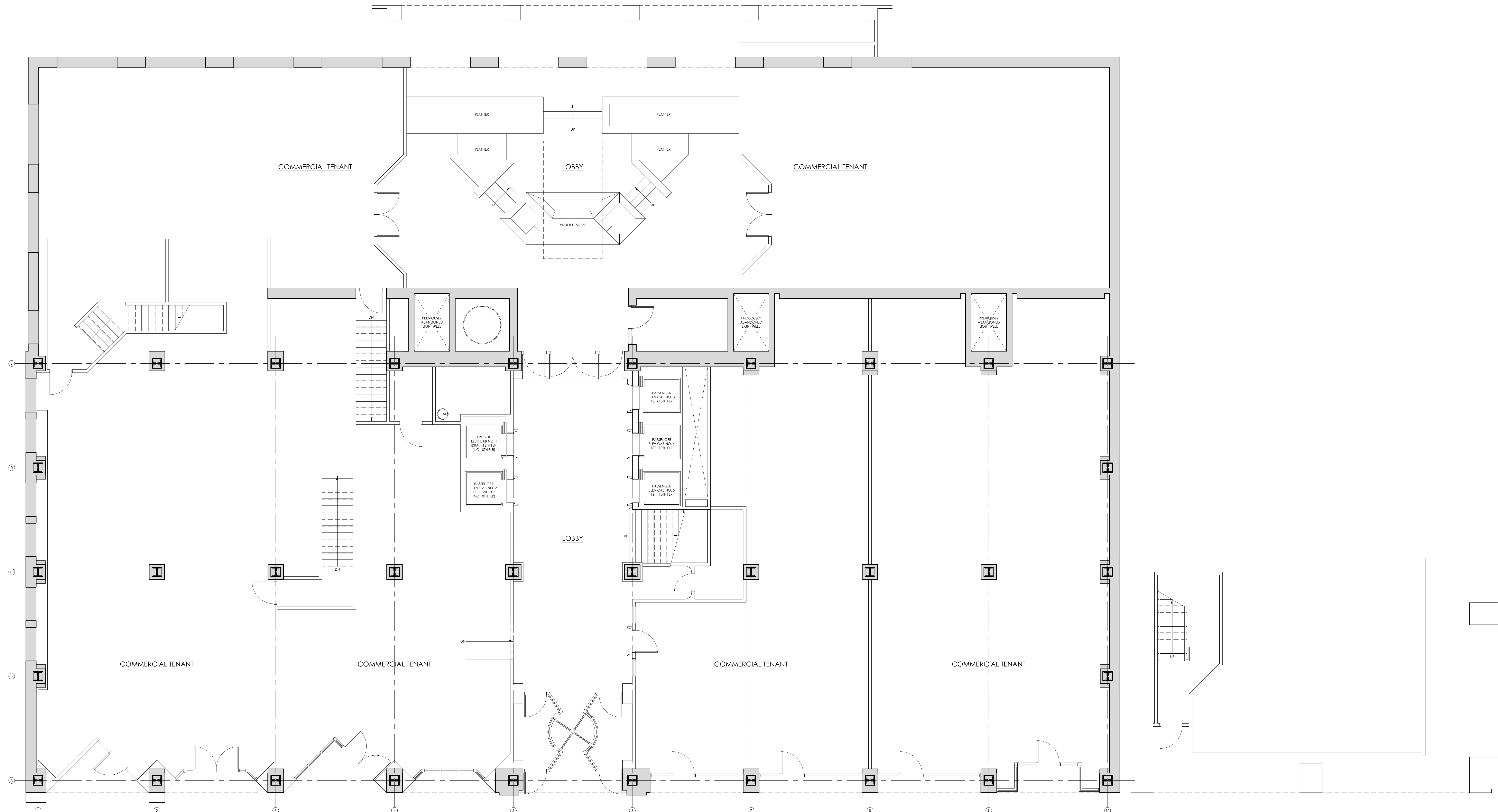
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NEW WORK GENERAL NOTES

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1 FIRST FLOOR NEW WORK PLAN
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FIRST FLOOR
NEW WORK PLAN

A3.01

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTES:

- PAINTED WOOD WINDOW CASING IS TYPICALLY PRESENT AT EXTERIOR OPENINGS (NOT ILLUSTRATED). WINDOW CASING IS TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME AND PAINT. ***
- PAINTED WOOD BASEBOARD IS TYPICALLY PRESENT AT PERIMETER EXTERIOR WALLS (NOT ILLUSTRATED). BASEBOARD TO REMAIN IN PLACE, REPAIR TO MATCH HISTORIC AS REQ'D, PRIME AND PAINT. *

- EXISTING CONSTRUCTION TO REMAIN
- NEW PARTITION WALL
- INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY
- NEW WINDOW
- NEW DOOR
- HATCH INDICATES AREA OF NEW LOWERED GYP. BD. CEILING (ABOVE). DASHED LINE INDICATES FACE OF SOFFIT (ABOVE).
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- PAINTED WOOD PICTURE RAIL TO REMAIN **

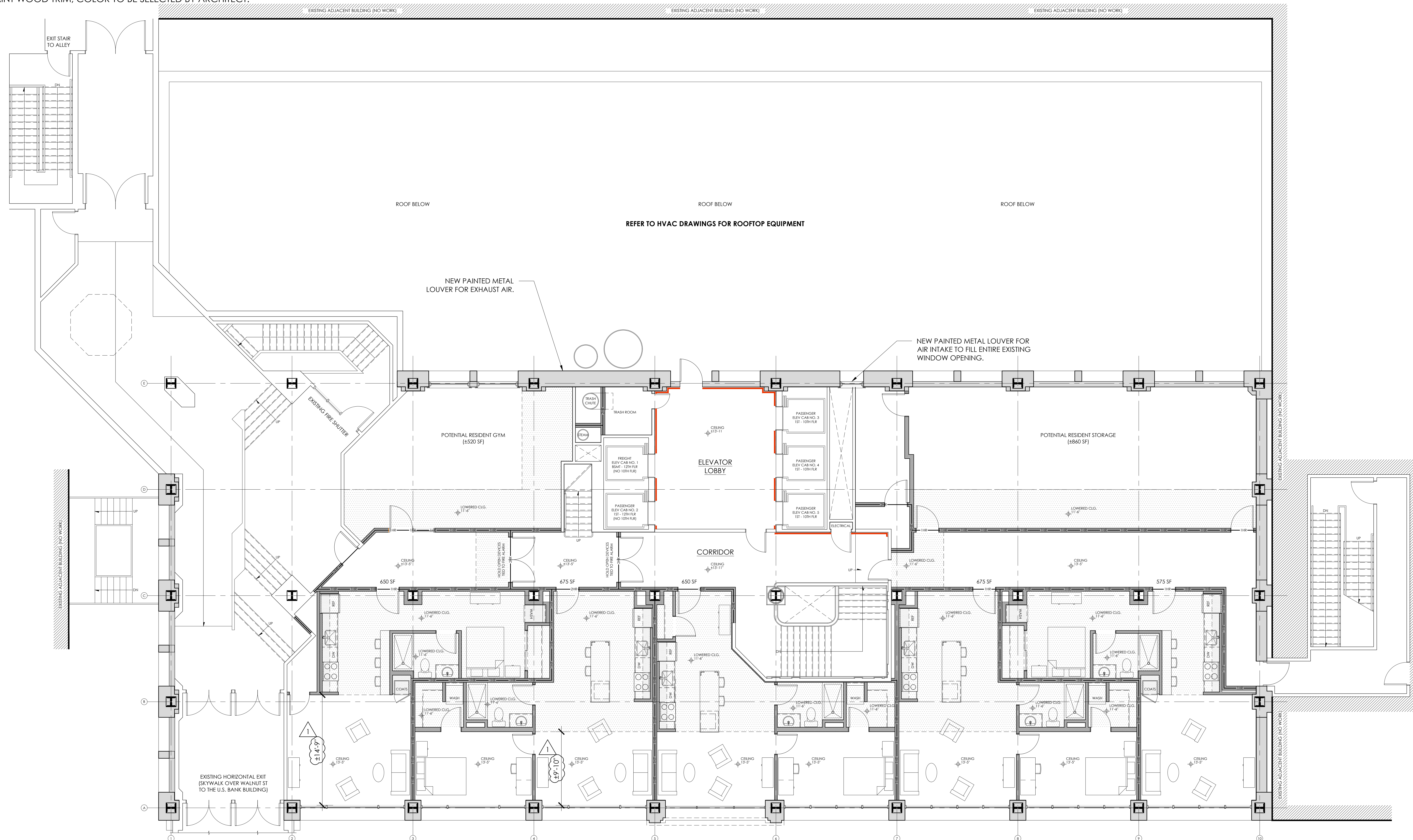
* CONTRACTOR SHALL REPAIR HISTORIC BASEBOARD AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES, SALVAGE WOOD BASEBOARD AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER EXTERIOR WALL LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD BASEBOARD TO MATCH HISTORIC BASEBOARD PROFILE AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES AT REMAINING LOCATIONS WHERE HISTORIC BASEBOARD IS MISSING. NEW BASEBOARD ON INTERIOR WALLS WILL NOT MATCH HISTORIC PROFILE. PRIME AND PAINT WOOD TRIM. COLOR TO BE SELECTED BY ARCHITECT.

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NEW WORK GENERAL NOTES

- ALL EXISTING HISTORIC WOOD WINDOW TRIMS TO REMAIN. REPAIR, PRIME AND PAINT.
- EXISTING HISTORIC TERRA COTTA WINDOW SURROUNDS AND MULLIONS AT EXISTING WINDOW OPENINGS TO REMAIN. SEE WINDOW DETAILS ON A0.5.
- ALL LOAD BEARING STRUCTURAL ELEMENTS ARE TO REMAIN, U.O.N.
- EXCEPT WHERE NEW DROPPED CEILINGS ARE SHOWN, EXISTING PLASTER CEILINGS ARE TO REMAIN. PROVIDE (1) LAYER OF 5/8" GYPSUM BOARD ON 7/8" FURRING CHANNELS OVER EXISTING PLASTER.
- EXISTING NON-HISTORIC STOREFRONT INFILL TO REMAIN THROUGHOUT FIRST FLOOR.
- ALL EXISTING ELEVATOR CABS AND MACHINERY TO REMAIN. PROTECT THROUGHOUT DEMOLITION AND CONSTRUCTION. G.C. TO REVIEW CONDITION AND REPAIR AS REQUIRED.



1 SECOND FLOOR NEW WORK PLAN
A3.02 3/16" = 1'-0"

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SECOND FLOOR
NEW WORK PLAN

A3.02

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTES:

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- NEW PARTITION WALL
- INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY
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- HATCH INDICATES AREA OF NEW LOWERED GYP. BD. CEILING (ABOVE). DASHED LINE INDICATES FACE OF SOFFIT (ABOVE).
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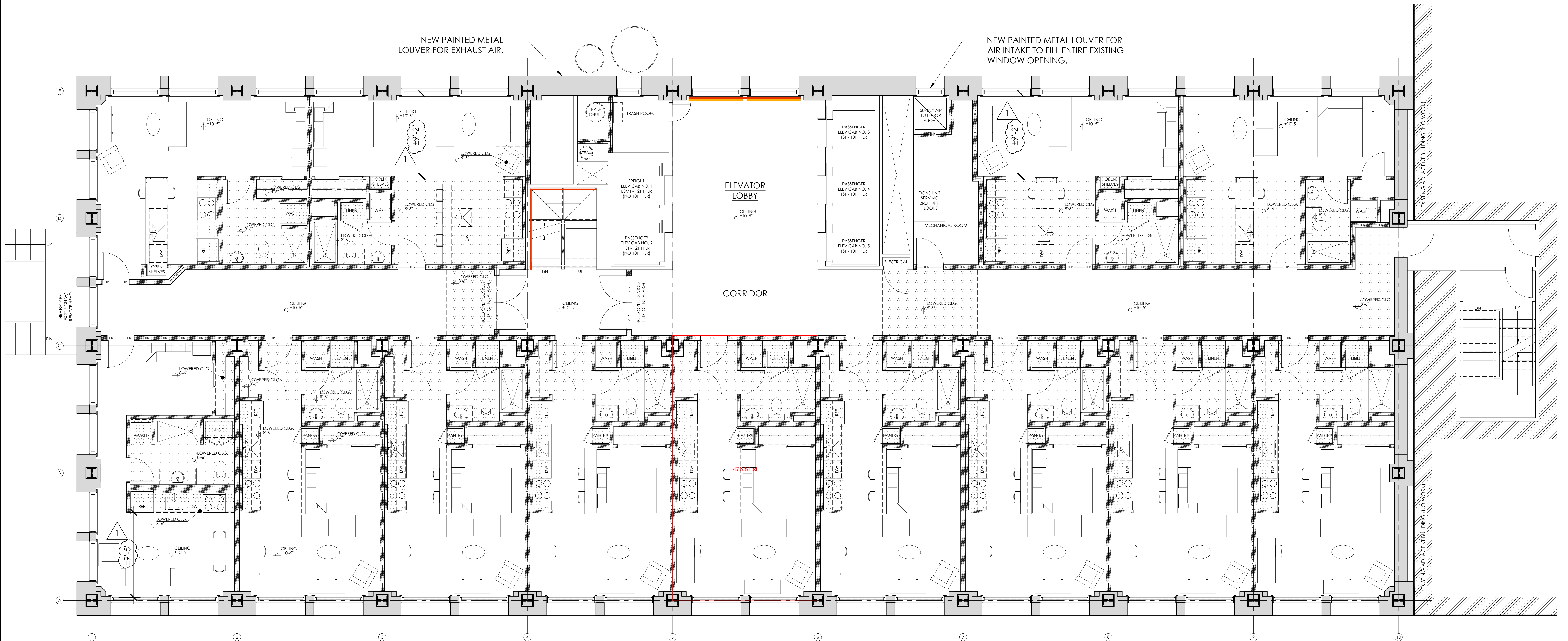
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NEW WORK GENERAL NOTES

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1 THIRD FLOOR NEW WORK PLAN
A3.03 1/4" = 1'-0"



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THIRD FLOOR
NEW WORK PLAN

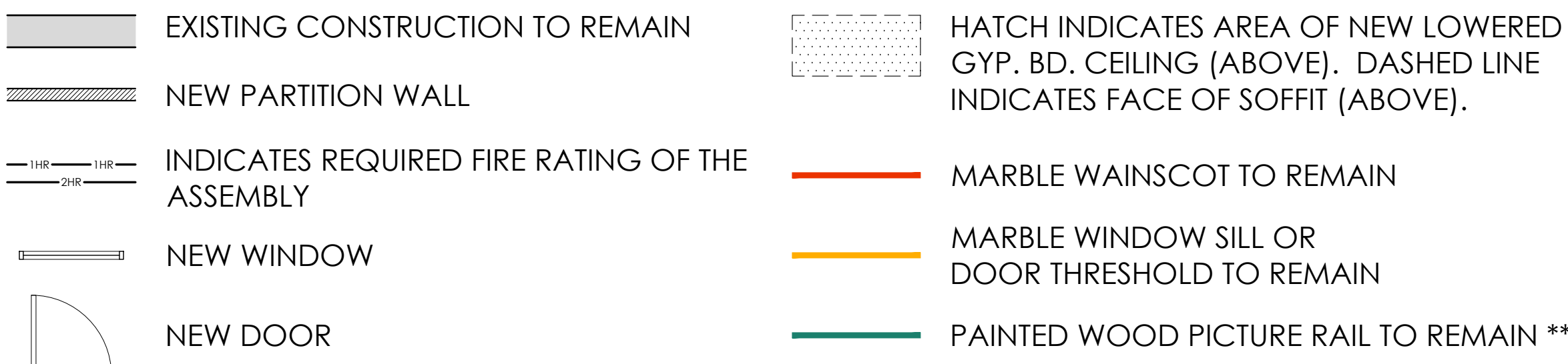
A3.03

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GRAPHICS SYMBOL LEGEND

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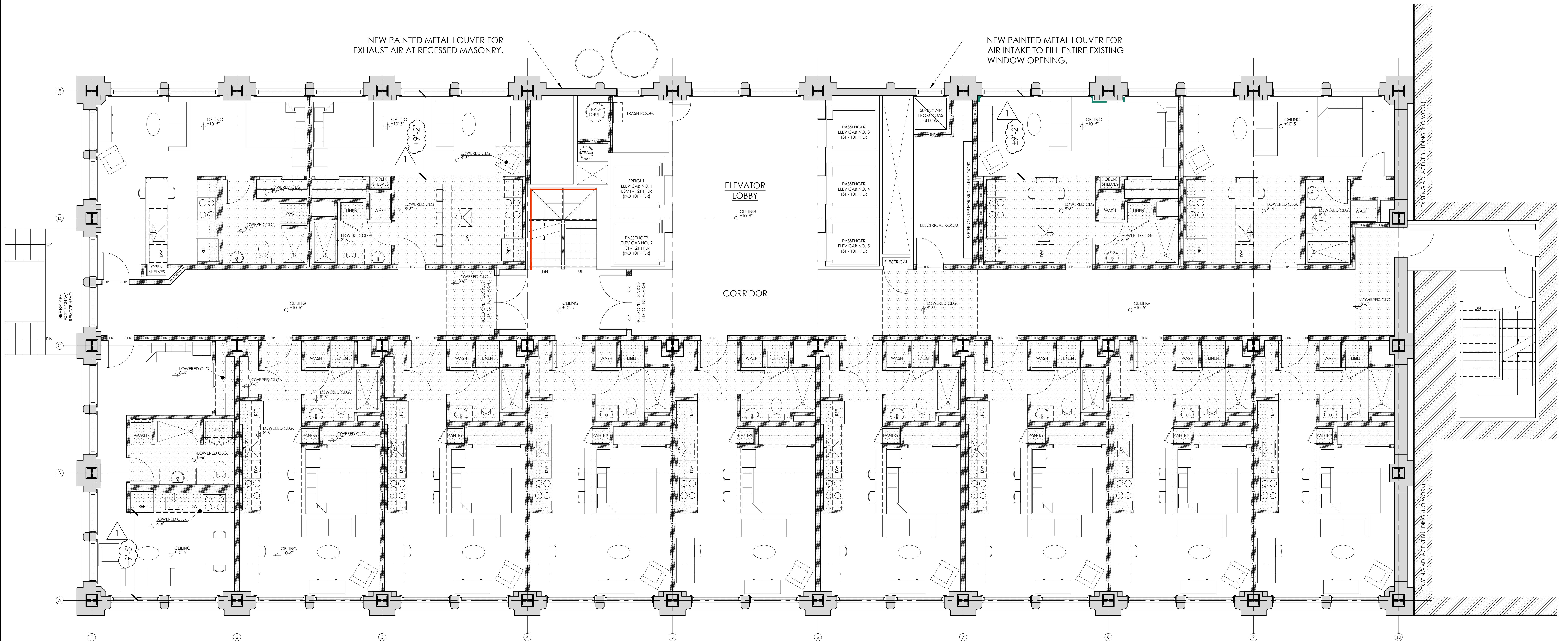
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1 FOURTH FLOOR NEW WORK PLAN
A3.04 1/4" = 1'-0"



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FOURTH FLOOR
NEW WORK PLAN

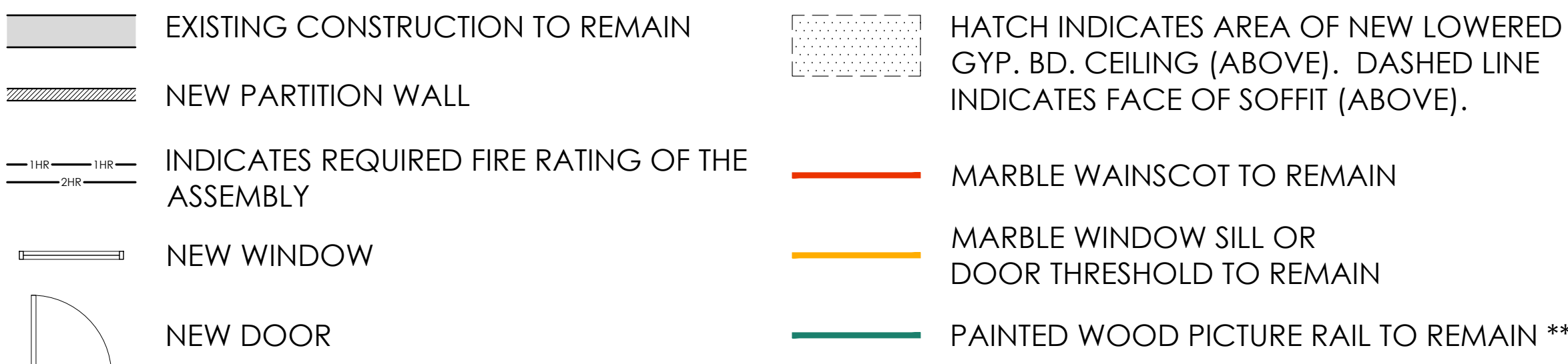
A3.04

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTES:

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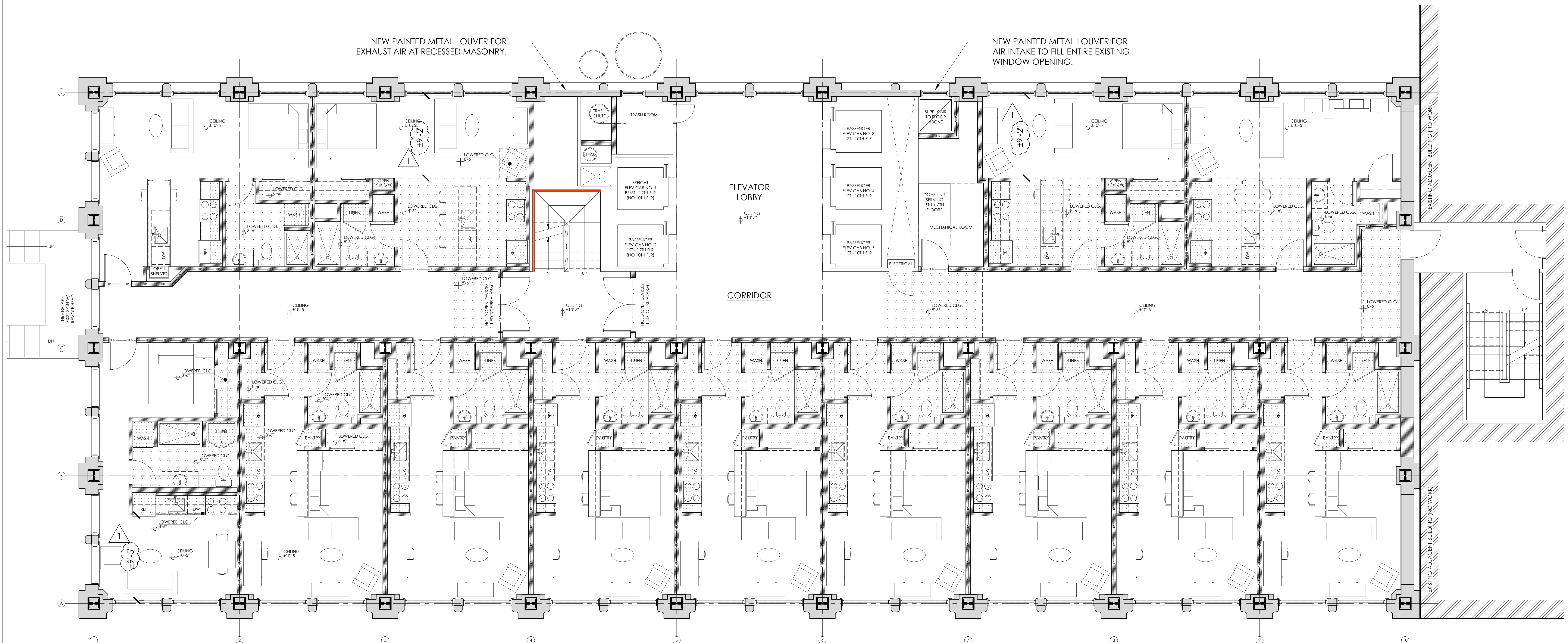
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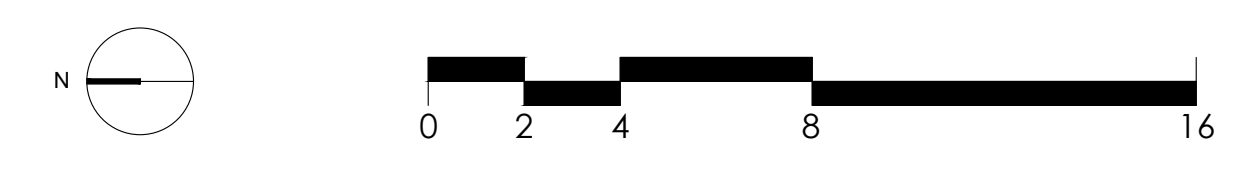
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1 FIFTH FLOOR NEW WORK PLAN
A3.05 1/4" = 1'-0"



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FIFTH FLOOR
NEW WORK PLAN

A3.05

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

NOTES:

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- NEW PARTITION WALL
- INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY
- NEW WINDOW
- NEW DOOR
- HATCH INDICATES AREA OF NEW LOWERED GYP. BD. CEILING (ABOVE). DASHED LINE INDICATES FACE OF SOFFIT (ABOVE).
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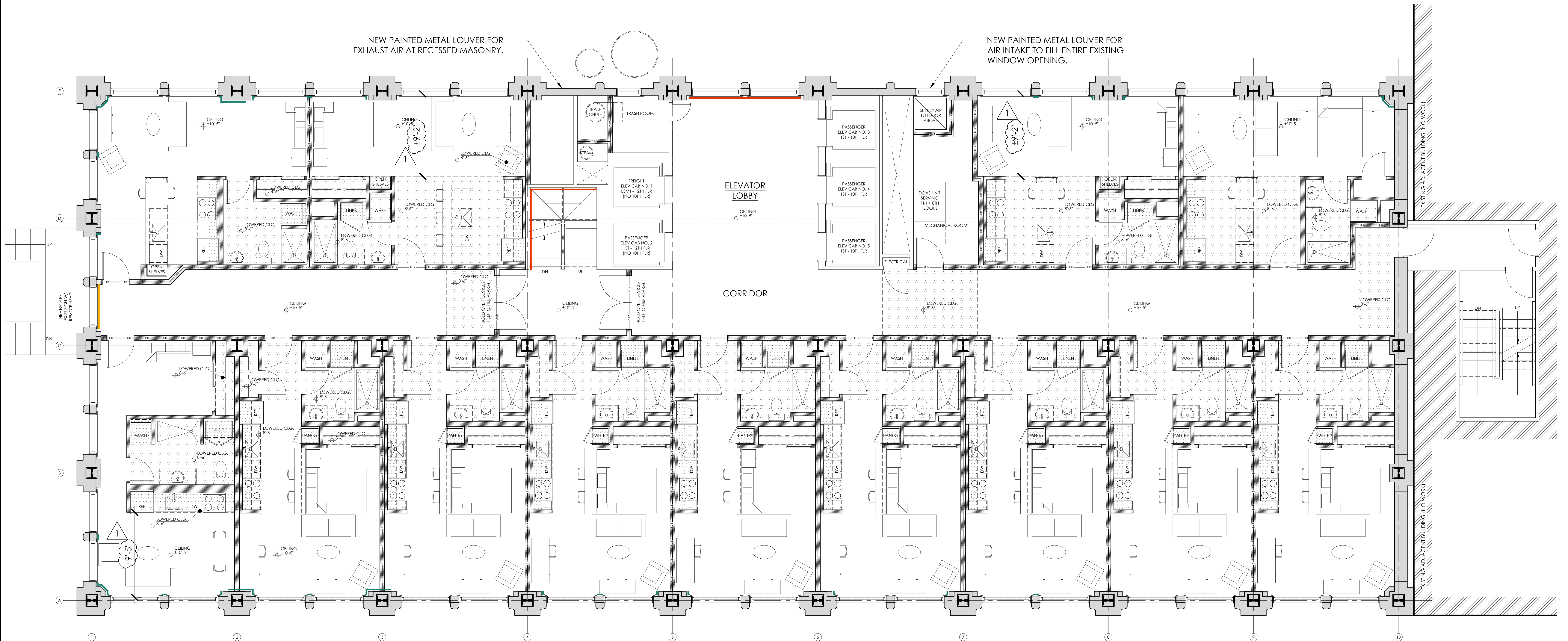
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1 SEVENTH FLOOR NEW WORK PLAN
A3.07 1/4" = 1'-0"



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SEVENTH FLOOR
NEW WORK PLAN

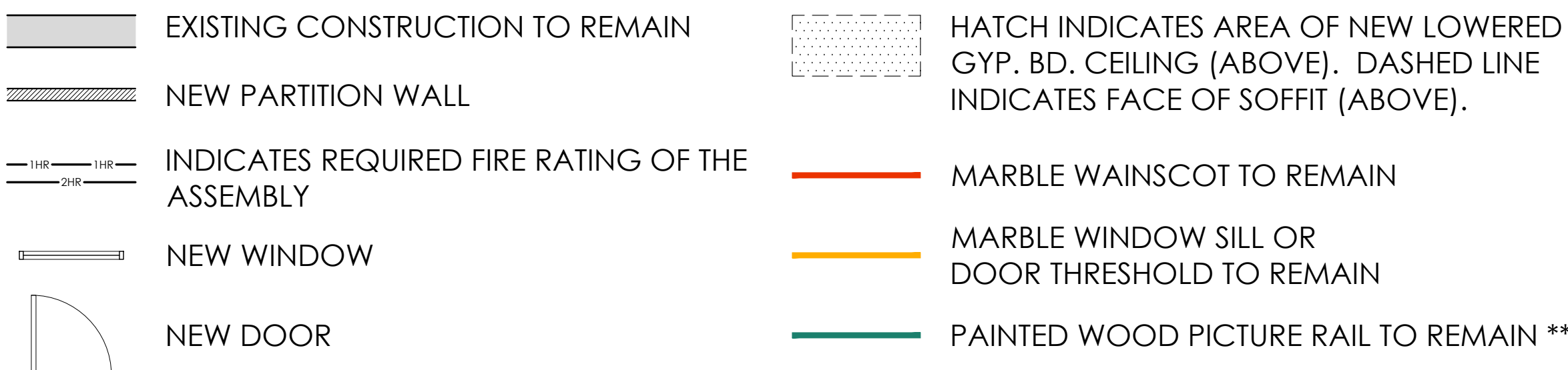
A3.07

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GRAPHICS SYMBOL LEGEND

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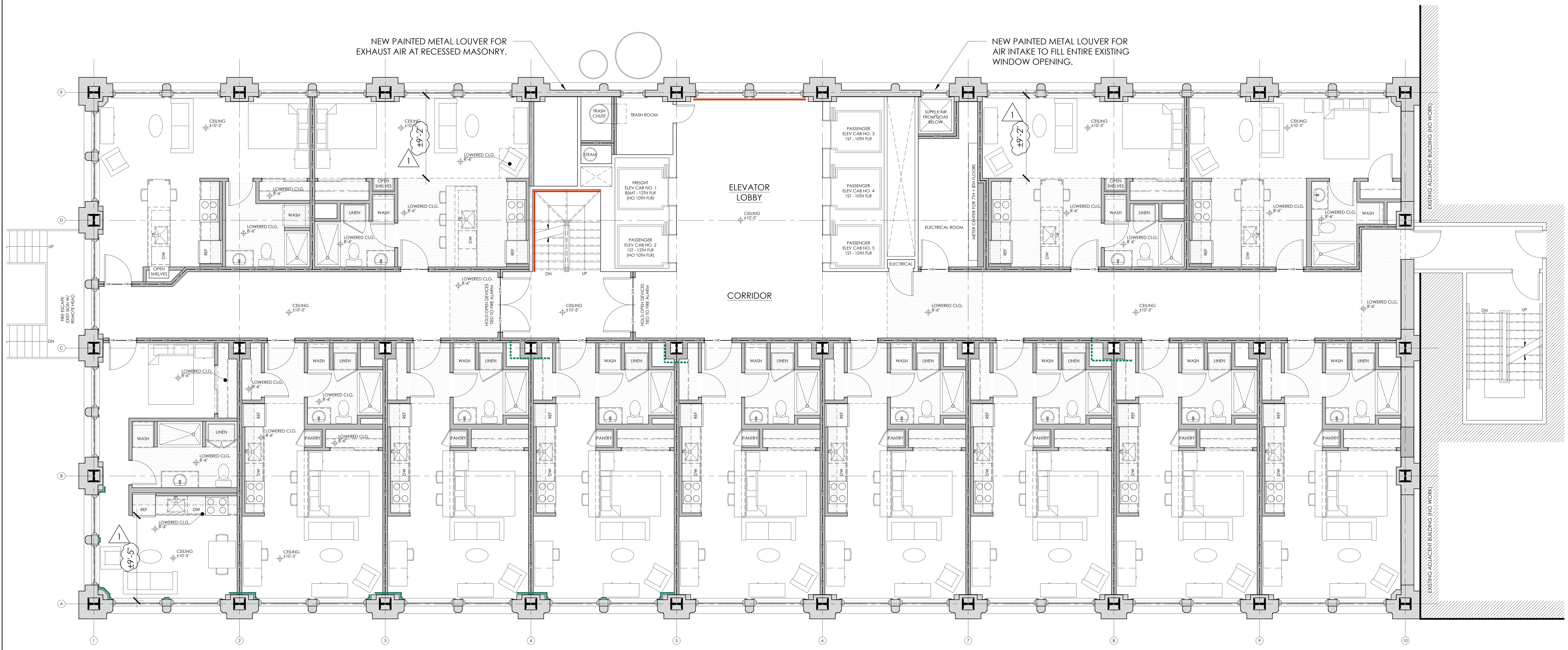
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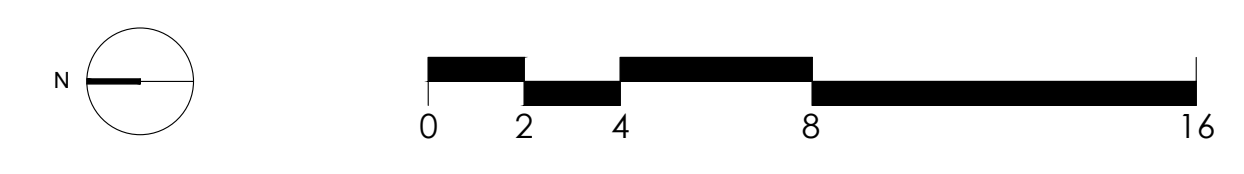
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NEW WORK GENERAL NOTES

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1 EIGHTH FLOOR NEW WORK PLAN
A3.08 1/4" = 1'-0"



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EIGHTH FLOOR
NEW WORK PLAN

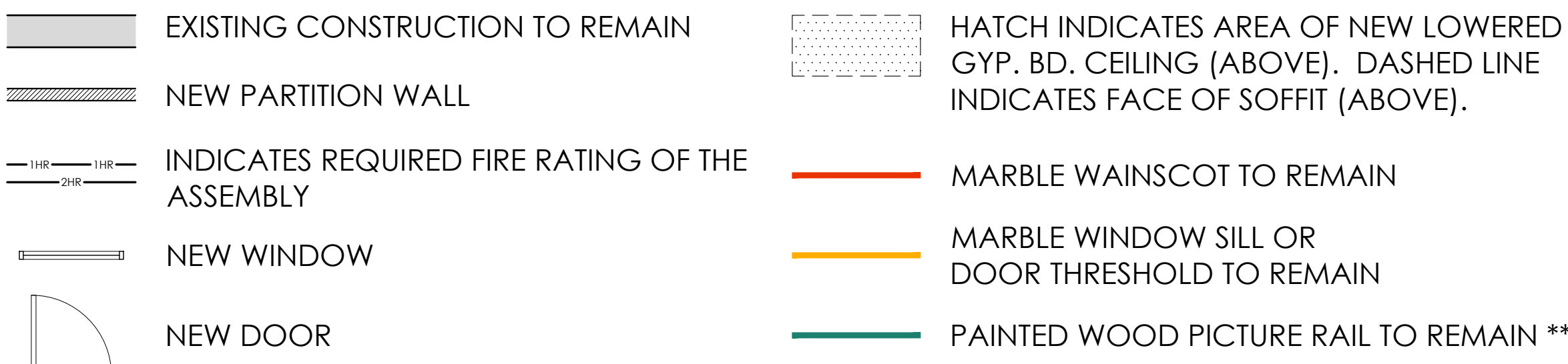
A3.08

PRELIMINARY DRAWINGS:
NOT FOR CONSTRUCTION

GRAPHICS SYMBOL LEGEND

NOTES:

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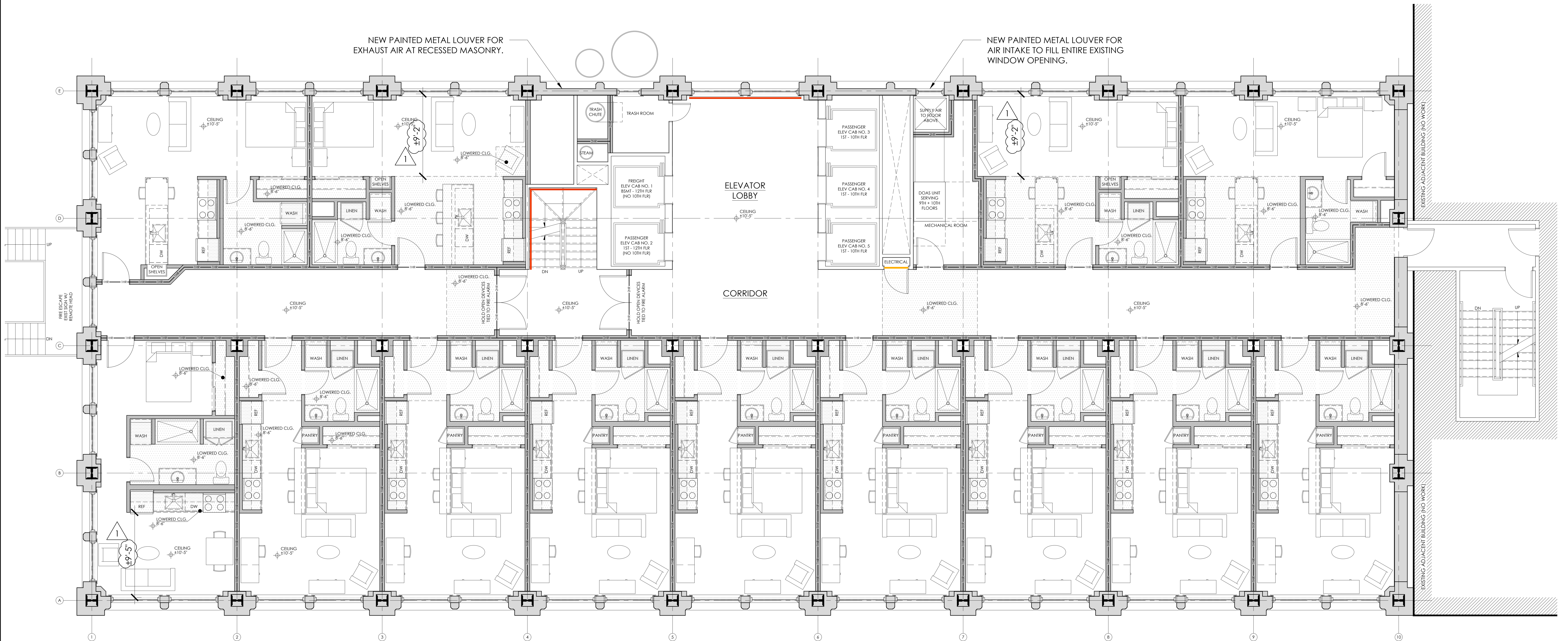
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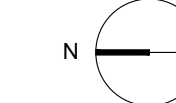
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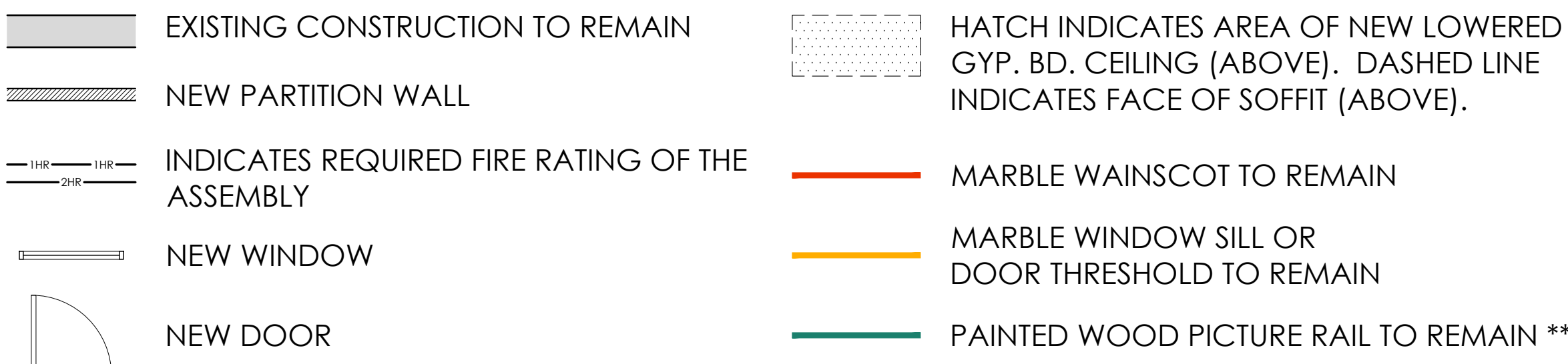
1 NINTH FLOOR NEW WORK PLAN
 A3.09 1/4" = 1'-0"



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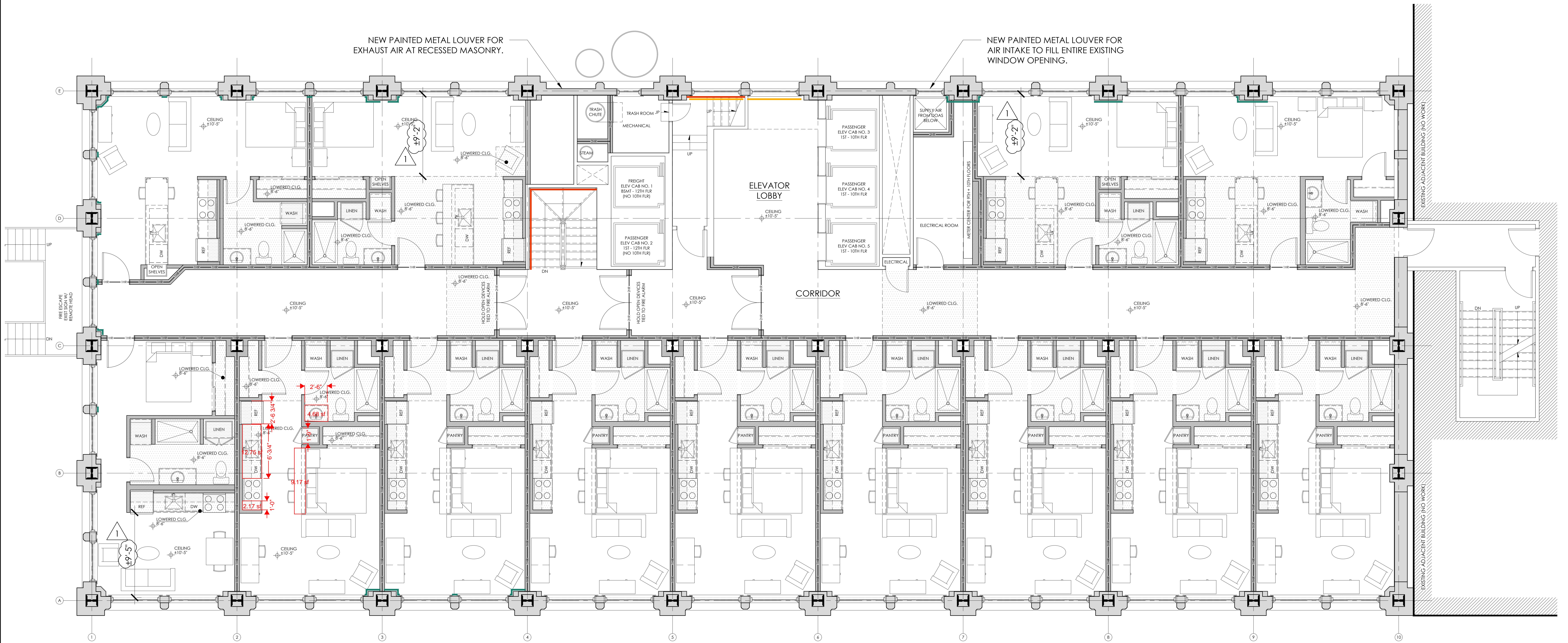
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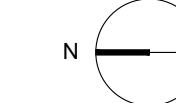
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A3.10 1/4" = 1'-0"



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TENTH FLOOR
NEW WORK PLAN

A3.10

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GRAPHICS SYMBOL LEGEND

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- INDICATES REQUIRED FIRE RATING OF THE ASSEMBLY
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- NEW DOOR
- HATCH INDICATES AREA OF NEW LOWERED GYP. BD. CEILING (ABOVE). DASHED LINE INDICATES FACE OF SOFFIT (ABOVE).
- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- PAINTED WOOD PICTURE RAIL TO REMAIN **

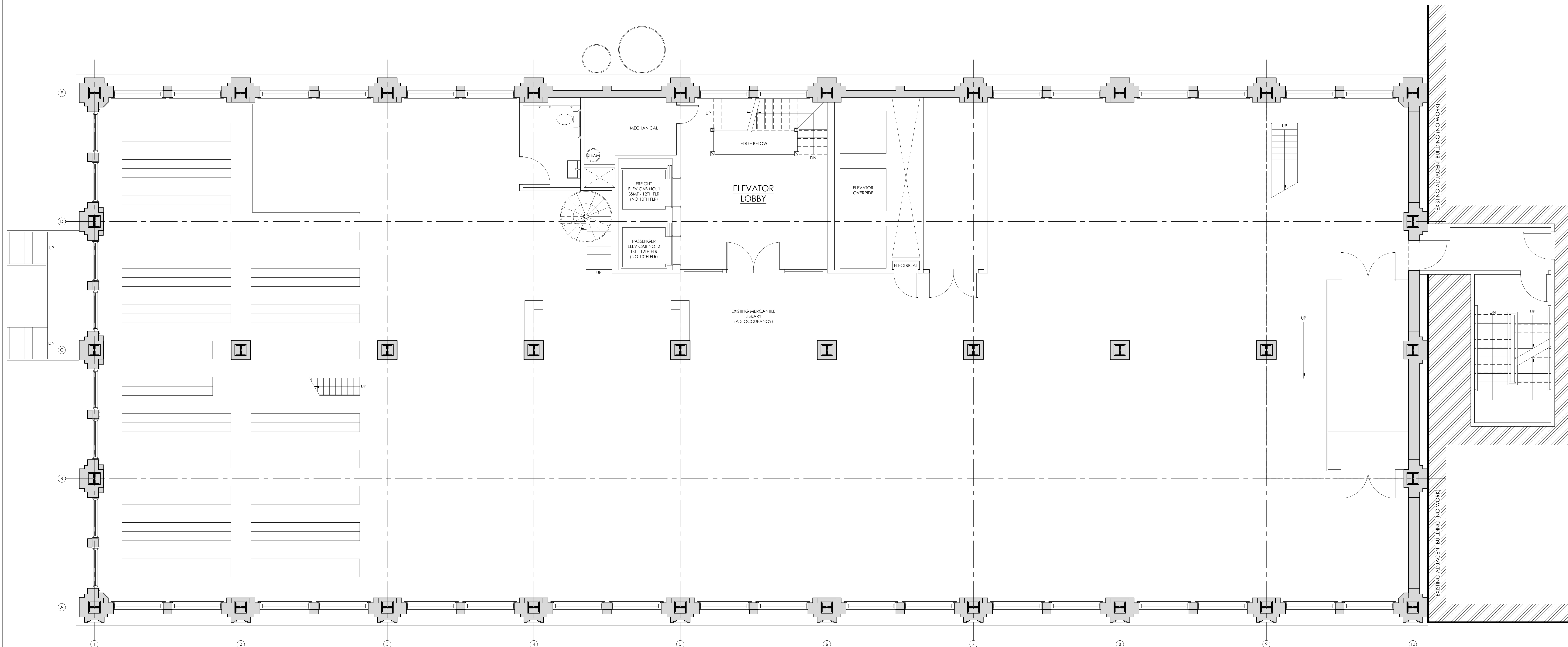
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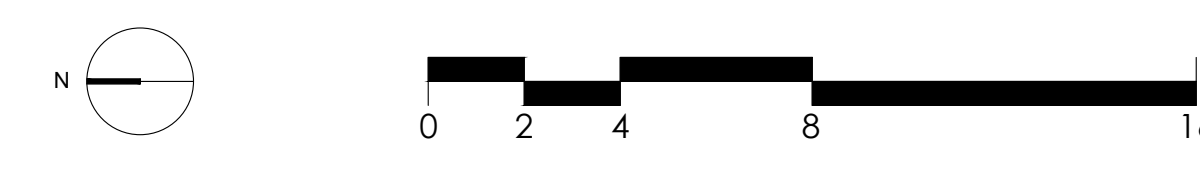
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1 ELEVENTH FLOOR NEW WORK PLAN
A3.11 1/4" = 1'-0"



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ELEVENTH FLOOR
NEW WORK PLAN

A3.11

PRELIMINARY DRAWINGS:
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GRAPHICS SYMBOL LEGEND

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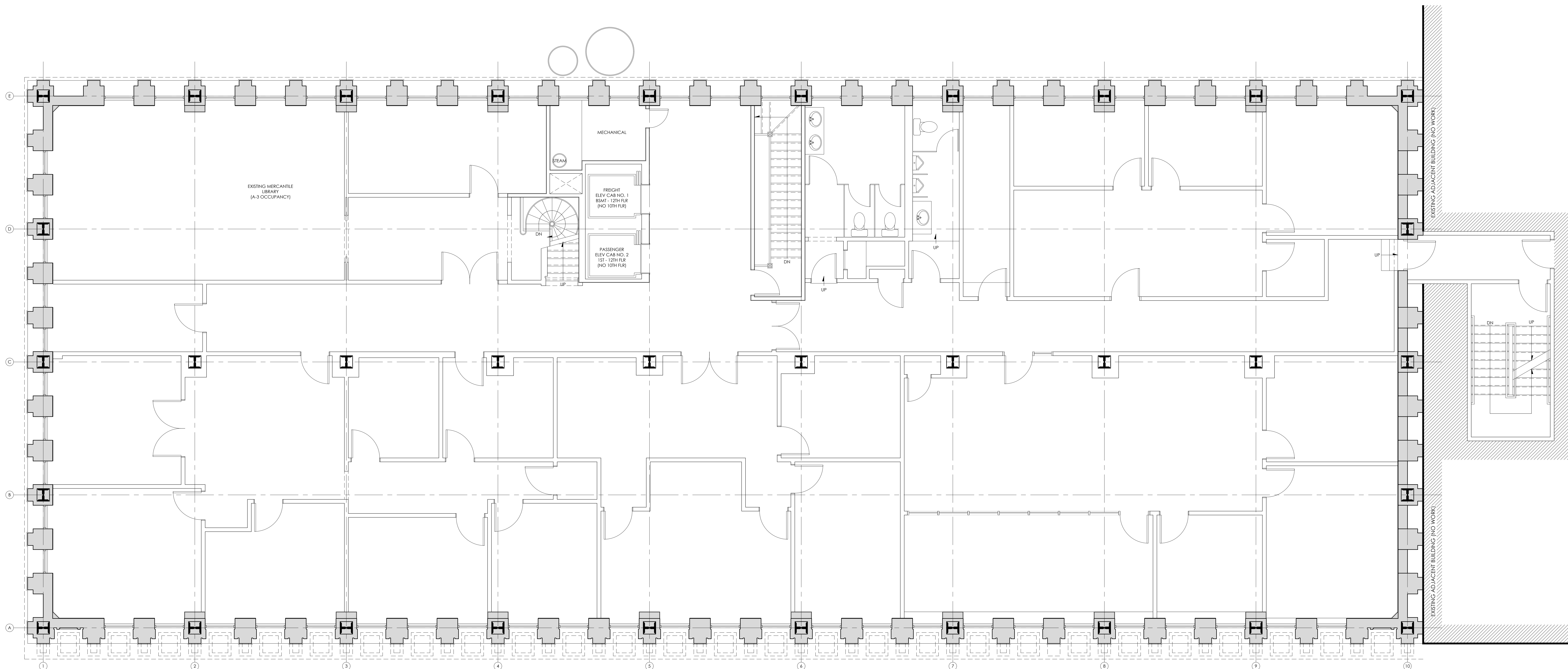
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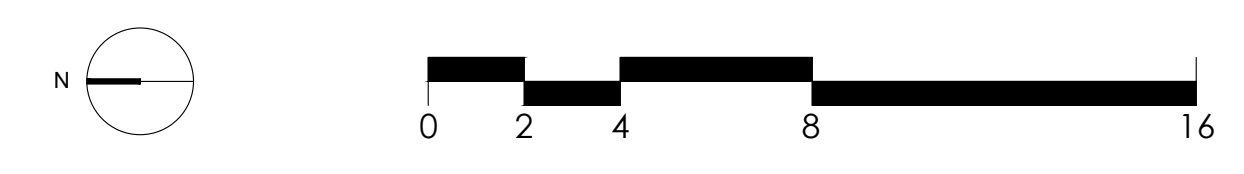
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TWELFTH FLOOR
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A3.12
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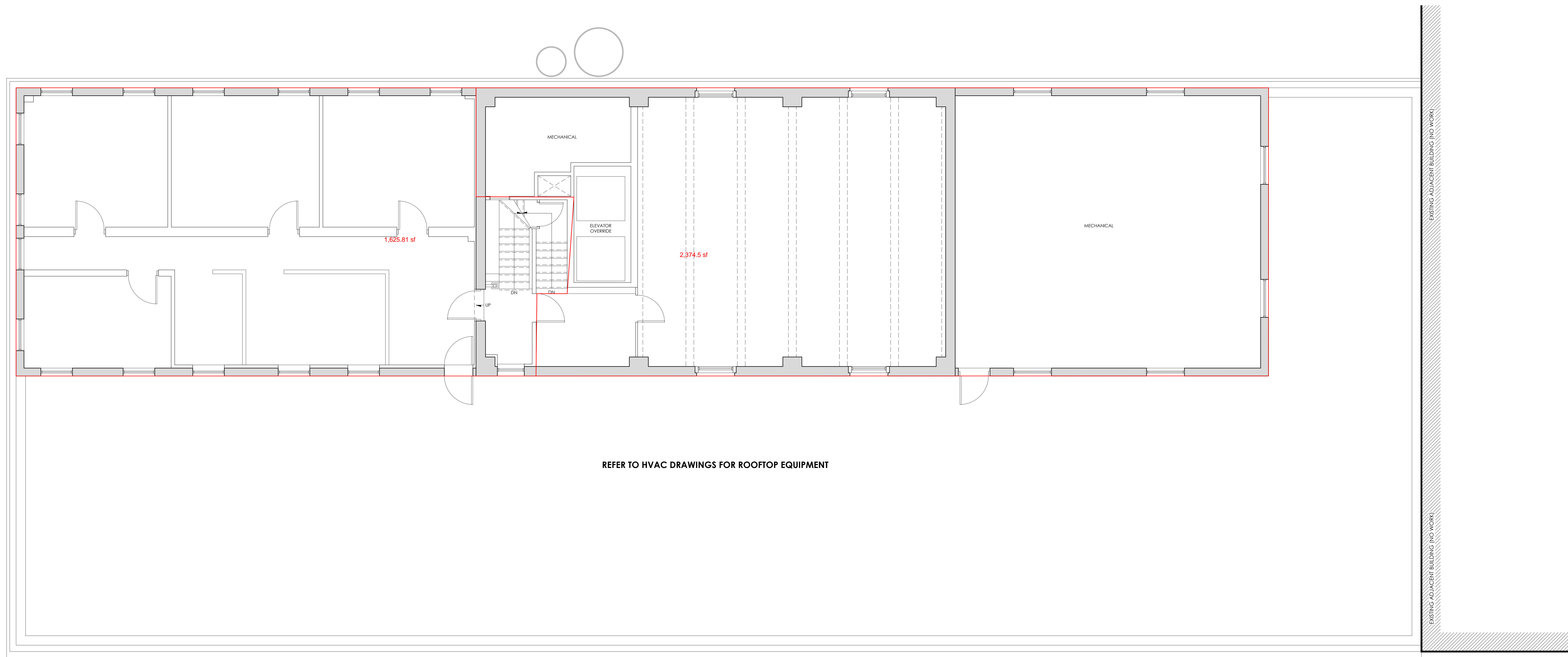
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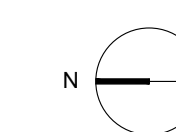
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REFER TO HVAC DRAWINGS FOR ROOFTOP EQUIPMENT



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- MARBLE WAINSCOT TO REMAIN
- MARBLE WINDOW SILL OR DOOR THRESHOLD TO REMAIN
- PAINTED WOOD PICTURE RAIL TO REMAIN **

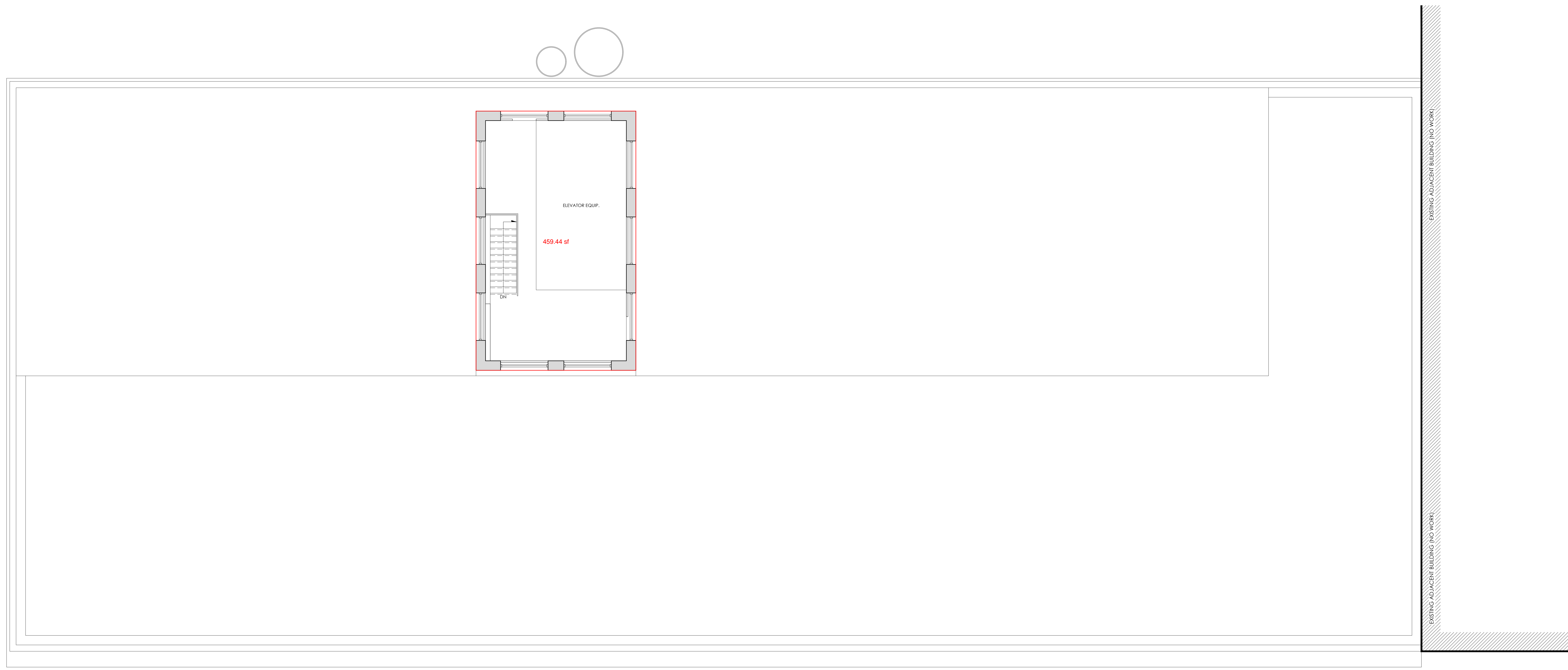
* CONTRACTOR SHALL REPAIR HISTORIC BASEBOARD AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES; SALVAGE WOOD BASEBOARD AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER EXTERIOR WALL LOCATIONS. CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD BASEBOARD TO MATCH HISTORIC BASEBOARD PROFILE AT PERIMETER EXTERIOR WALLS IN DWELLING UNITS AND IN COMMON SPACES AT REMAINING LOCATIONS WHERE HISTORIC BASEBOARD IS MISSING. NEW BASEBOARD ON INTERIOR WALLS WILL NOT MATCH HISTORIC PROFILE. PRIME AND PAINT WOOD TRIM. COLOR TO BE SELECTED BY ARCHITECT.

** CONTRACTOR SHALL REPAIR HISTORIC PICTURE RAIL AT PERIMETER EXTERIOR WALLS INSIDE OF DWELLING UNITS. SALVAGE WOOD PICTURE RAIL AT INTERIOR OFFICE WALLS AND INSTALL IN MISSING PERIMETER WALL LOCATIONS. AT REMAINING MISSING LOCATIONS, CONTRACTOR SHALL PROVIDE NEW PAINTED WOOD PICTURE RAIL TO MATCH HISTORIC PICTURE RAIL PROFILE AT PERIMETER EXTERIOR WALLS INSIDE OF DWELLING UNITS WHERE ANY HISTORIC PICTURE RAIL IS PRESENT (TO COMPLETE THE EXTERIOR WALLS). DO NOT INSTALL NEW PICTURE RAIL INSIDE OF DWELLING UNITS WHERE NO HISTORIC PICTURE RAIL IS PRESENT.

*** CONTRACTOR SHALL REPAIR WINDOW CASING, SILLS, AND APRONS IN DWELLING UNITS AND COMMON SPACES TO MATCH HISTORIC CONDITION. CASING AND SILLS ARE TYPICALLY PRESENT. APRONS ARE TYPICALLY MISSING OR DAMAGED DUE TO PREVIOUS INSTALLATION OF RADIATOR COVERS. PROVIDE NEW WINDOW CASING, SILLS, AND APRONS TO CLOSELY MATCH HISTORIC PROFILES WHERE HISTORIC ELEMENTS ARE MISSING OR DAMAGED. PRIME AND PAINT WOOD TRIM. COLOR TO BE SELECTED BY ARCHITECT.

NEW WORK GENERAL NOTES

- ALL EXISTING HISTORIC WOOD WINDOW TRIMS TO REMAIN. REPAIR, PRIME AND PAINT.
- EXISTING HISTORIC TERRA COTTA WINDOW SURROUNDS AND MULLIONS AT EXISTING WINDOW OPENINGS TO REMAIN. SEE WINDOW DETAILS ON A0.5.
- ALL LOAD BEARING STRUCTURAL ELEMENTS ARE TO REMAIN, U.O.N.
- EXCEPT WHERE NEW DROPPED CEILINGS ARE SHOWN, EXISTING PLASTER CEILINGS ARE TO REMAIN. PROVIDE (1) LAYER OF 5/8" GYPSUM BOARD ON 7/8" FURRING CHANNELS OVER EXISTING PLASTER.
- EXISTING NON-HISTORIC STOREFRONT INFILL TO REMAIN THROUGHOUT FIRST FLOOR.
- ALL EXISTING ELEVATOR CABS AND MACHINERY TO REMAIN. PROTECT THROUGHOUT DEMOLITION AND CONSTRUCTION. G.C. TO REVIEW CONDITION AND REPAIR AS REQUIRED.



GENERAL ELEVATION NOTES

- GENTLY REMOVE ALL ALGAE, MOSS, AND OTHER VEGETATIVE GROWTH FROM EXISTING EXTERIOR WALL SURFACES.
- CLEAN ALL EXPOSED BRICK, STONE, AND TERRA COTTA MASONRY SURFACE USING THE GENTLEST METHOD CAPABLE OF ACHIEVING THE DESIRED RESULT. USE ONLY CLEANING AGENTS RECOMMENDED BY THEIR MANUFACTURER FOR THE MATERIALS. TEST EACH CLEANING AGENT IN AN INCONSPICUOUS AREA PRIOR TO FURTHER APPLICATION.
- NOT USED.
- CAREFULLY RAKE OUT AND REMOVE DETERIORATED OR LOOSE MORTAR FROM MASONRY JOINTS. EXERCISE CARE SO AS NOT TO DAMAGE ADJACENT MASONRY TO REMAIN. REPLACE MISSING AND REMOVED MORTAR USING NEW MORTAR WHICH CLOSELY MATCHES THE APPEARANCE AND STRENGTH OF THE HISTORIC MATERIAL.
- VERIFY SECURE ATTACHMENT OF ALL STONE AND TERRA COTTA ELEMENTS TO THE BUILDING AND PROMPTLY NOTIFY ARCHITECT IF ANY ELEMENTS APPEAR LOOSE.
- GENTLY REMOVE SURFACE RUST FROM EXPOSED SURFACES OF EXISTING STEEL LINTELS. REPORT EXCESSIVE CORROSION TO ARCHITECT FOR FURTHER INVESTIGATION. PRIME ALL EXPOSED SURFACES OF STEEL LINTELS AND PROVIDE TWO COATS OF ZINC-RICH, CORROSION-RESISTANT PAINT. COLOR TO BE SELECTED BY THE ARCHITECT.



- ELEVENTH FLOOR
- TENTH FLOOR
- NINTH FLOOR
- EIGHTH FLOOR
- SEVENTH FLOOR
- SIXTH FLOOR
- FIFTH FLOOR
- FOURTH FLOOR

- EXISTING TERRA COTTA CORNICE AND CORBELS TO REMAIN.
- EXISTING TERRA COTTA DECORATIVE WINDOW HOOD TO REMAIN.
- EXISTING TERRA COTTA PILASTER TO REMAIN, TYP.
- EXISTING TERRA COTTA STRING COURSE TO REMAIN.
- EXISTING HISTORIC TERRA COTTA WINDOW SURROUND AND MULLION AT EXISTING OPENING TO REMAIN, TYP.
- REMOVE NON-HISTORIC DOUBLE-HUNG WINDOW AT EXISTING OPENING AND PREP OPENING FOR REPLACEMENT, TYP. AT (3RD) 10TH FLOORS.
- EXISTING BRICK MASONRY TO REMAIN, TYP. ALL SIDES.
- EXISTING TERRA COTTA TO REMAIN.

1 A5.00 PHOTO ELEVATION - WEST
NOT TO SCALE



- TWELFTH FLOOR
- EXISTING HISTORIC WINDOWS TO REMAIN AT 11TH FLOOR.
- ELEVENTH FLOOR
MERCANTILE LIBRARY
- TENTH FLOOR

3 A5.00 PHOTO ELEVATION - WEST
NOT TO SCALE



- TENTH FLOOR
- NINTH FLOOR
- EIGHTH FLOOR
- SEVENTH FLOOR
- SIXTH FLOOR
- FIFTH FLOOR
- FOURTH FLOOR
- THIRD FLOOR
- SECOND FLOOR
- FIRST FLOOR

- EXISTING BRICK MASONRY TO REMAIN, TYP. ALL SIDES.
- EXISTING TERRA COTTA CORNICE TO REMAIN.
- EXISTING TERRA COTTA TO REMAIN.
- REMOVE NON-HISTORIC DOUBLE-HUNG WINDOW AT EXISTING OPENING AND PREP OPENING FOR REPLACEMENT, TYP. AT (3RD) 10TH FLOORS.
- EXISTING BRONZED CAST IRON TO REMAIN. GENTLY CLEAN.
- EXISTING STOREFRONT FRAMING TO REMAIN. REPLACE GLAZING.
- EXISTING HISTORIC MAIN ENTRANCE AND ALL ASSOCIATED ELEMENTS TO REMAIN.
- EXISTING NON-HISTORIC STOREFRONT INFILL TO REMAIN TYP. THROUGHOUT FIRST FLOOR.
- EXISTING HISTORIC WOOD WINDOW TO REMAIN. REPAIR AS REQUIRED. PRIME AND PAINT.

2 A5.00 PHOTO ELEVATION - WEST
NOT TO SCALE



- FOURTH FLOOR
- THIRD FLOOR
- SECOND FLOOR
- FIRST FLOOR

4 A5.00 PHOTO ELEVATION - WEST
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03.31.2021 HISTORIC PART 2 REVISION

EXTERIOR ELEVATIONS

A5.00

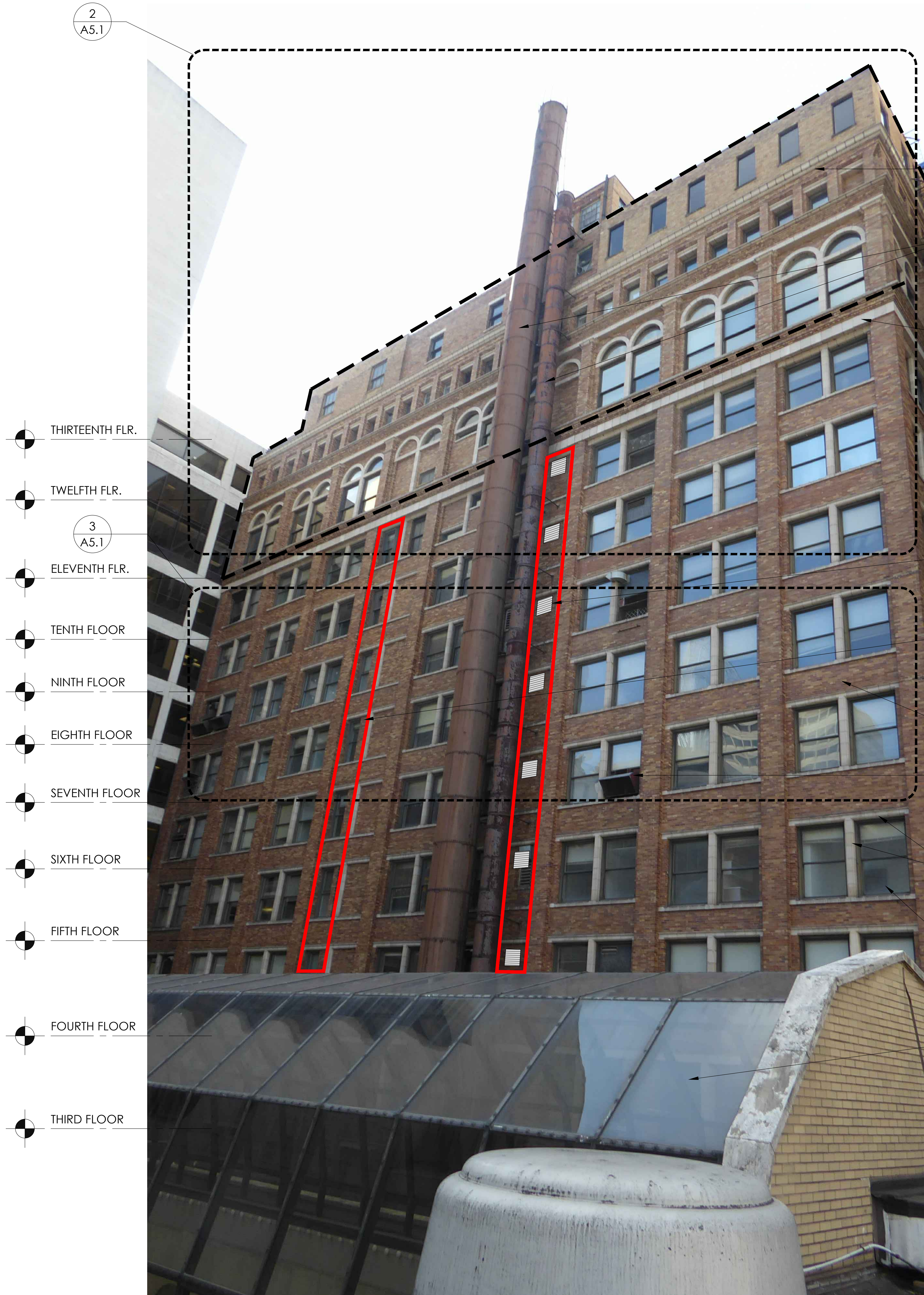
GENERAL ELEVATION NOTES

- GENTLY REMOVE ALL ALGAE, MOSS, AND OTHER VEGETATIVE GROWTH FROM EXISTING EXTERIOR WALL SURFACES.
- CLEAN ALL EXPOSED BRICK, STONE, AND TERRA COTTA MASONRY SURFACE USING THE GENTLEST METHOD CAPABLE OF ACHIEVING THE DESIRED RESULT. USE ONLY CLEANING AGENTS RECOMMENDED BY THEIR MANUFACTURER FOR THE MATERIALS. TEST EACH CLEANING AGENT IN AN INCONSPICUOUS AREA PRIOR TO FURTHER APPLICATION.
- ~~NOT USED.~~
- CAREFULLY RAKE OUT AND REMOVE DETERIORATED OR LOOSE MORTAR FROM MASONRY JOINTS. EXERCISE CARE SO AS NOT TO DAMAGE ADJACENT MASONRY TO REMAIN. REPLACE MISSING AND REMOVED MORTAR JOINTS USING NEW MORTAR WHICH CLOSELY MATCHES THE APPEARANCE AND STRENGTH OF THE HISTORIC MATERIAL.
- VERIFY SECURE ATTACHMENT OF ALL STONE AND TERRA COTTA ELEMENTS TO THE BUILDING AND PROMPTLY NOTIFY ARCHITECT IF ANY ELEMENTS APPEAR LOOSE.
- GENTLY REMOVE SURFACE RUST FROM EXPOSED SURFACES OF EXISTING STEEL LINTELS. REPORT EXCESSIVE CORROSION TO ARCHITECT FOR FURTHER INVESTIGATION. PRIME ALL EXPOSED SURFACES OF STEEL LINTELS AND PROVIDE TWO COATS OF ZINC-RICH, CORROSION-RESISTANT PAINT. COLOR TO BE SELECTED BY THE ARCHITECT.

PRELIMINARY DRAWINGS:
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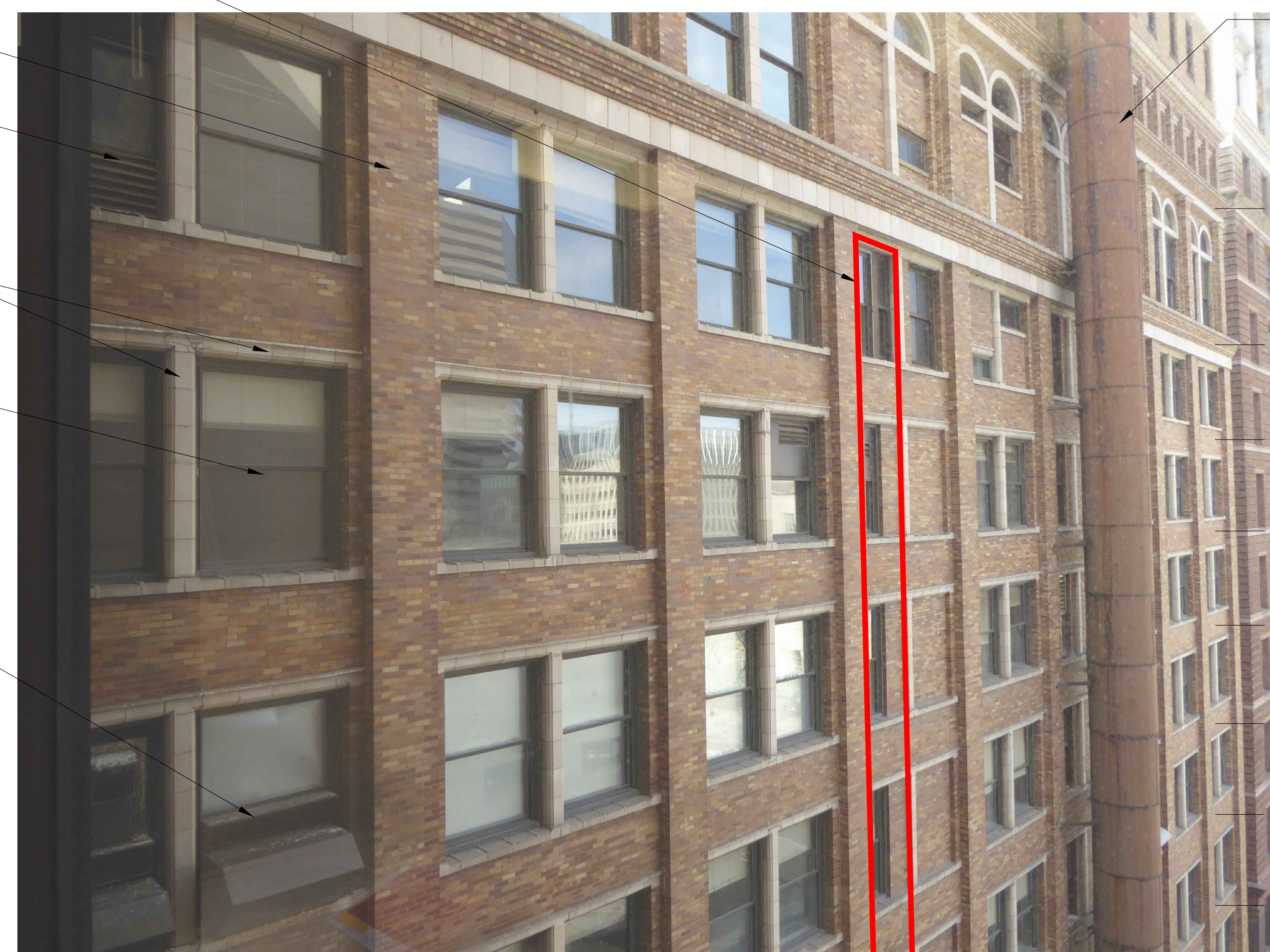


1 A5.01 PHOTO ELEVATION - EAST
NOT TO SCALE

- NO WORK IN AREA IN-BETWEEN DASHED LINES. ALL EXISTING TO REMAIN.
- EXISTING HISTORIC VENTS TO REMAIN. NOTIFY ARCHITECT IF SUPPORT STRUCTURE REQUIRES REINFORCEMENT.
- EXISTING CORBELLED BRICK, TERRA COTTA SILL AND HEADER TO REMAIN.
- EXISTING TERRA COTTA WINDOW SURROUND AND MULLION AT EXISTING OPENING TO REMAIN, TYP.
- EXISTING HISTORIC WINDOWS TO REMAIN AT 11TH FLOOR.
- NEW METAL EXHAUST LOUVERS AT EXISTING RECESSED MASONRY LOCATIONS, TYP. FROM 2ND TO 10TH FLOORS.
- NEW PAINTED METAL LOUVERS FOR FRESH AIR INTAKE TO FILL ENTIRE EXISTING WINDOW OPENING, TYP. FROM 2ND TO 10TH FLOORS.
- EXISTING BRICK MASONRY TO REMAIN, TYP. ALL SIDES.
- REMOVE ALL EXISTING NON-HISTORIC HVAC EQUIPMENT, VENTS AND ANY ASSOCIATED ELEMENTS AT WINDOW OPENING, TYP.
- EXISTING HISTORIC TERRA COTTA WINDOW TRIM AND MULLION AT EXISTING OPENING TO REMAIN, TYP.
- REMOVE NON-HISTORIC DOUBLE-HUNG WINDOW AT EXISTING OPENING AND PREP OPENING FOR REPLACEMENT, TYP. AT 3RD, 10TH FLOORS.
- EXISTING SKYLIGHT OF ADJACENT BUILDING
- REMOVE ALL EXISTING NON-HISTORIC HVAC EQUIPMENT, VENTS AND ANY ASSOCIATED ELEMENTS AT WINDOW OPENING, TYP.



2 A5.01 PHOTO ELEVATION - EAST
NOT TO SCALE



3 A5.01 PHOTO ELEVATION - EAST
NOT TO SCALE

- EXISTING HISTORIC VENTS TO REMAIN. NOTIFY ARCHITECT IF SUPPORT STRUCTURE REQUIRES REINFORCEMENT.
- FOURTEENTH FLR.
- THIRTEENTH FLR.
- TWELFTH FLOOR
- ELEVENTH FLOOR
MERCANTILE LIBRARY
- TENTH FLOOR
- NINTH FLOOR

- EXISTING HISTORIC VENTS TO REMAIN. NOTIFY ARCHITECT IF SUPPORT STRUCTURE REQUIRES REINFORCEMENT.
- TWELFTH FLOOR
- ELEVENTH FLOOR
MERCANTILE LIBRARY
- TENTH FLOOR
- NINTH FLOOR
- EIGHTH FLOOR
- SEVENTH FLOOR
- SIXTH FLOOR
- FIFTH FLOOR

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EXTERIOR ELEVATIONS

A5.01

PRELIMINARY DRAWINGS:
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2
A5.2

3
A5.2

1
A5.02
PHOTO ELEVATION - NORTH
NOT TO SCALE

- TWELFTH FLOOR
- ELEVENTH FLOOR
MERCANTILE LIBRARY
- TENTH FLOOR
- NINTH FLOOR
- EIGHTH FLOOR
- SEVENTH FLOOR
- SIXTH FLOOR
- FIFTH FLOOR
- FOURTH FLOOR
- THIRD FLOOR
- SECOND FLOOR
- FIRST FLOOR

EXISTING HISTORIC WINDOWS TO REMAIN AT 11TH FLOOR.

EXISTING HISTORIC TERRA COTTA HEADER, WINDOW SILL AND MULLION AT EXISTING OPENING TO REMAIN, TYP.

EXISTING FIRE ESCAPE INCLUDING LANDINGS TO REMAIN IN ENTIRETY. GENTLY REMOVE RUST, PRIME AND PAINT WITH (2) COATS ZINC-RICH, CORROSION RESISTANT PAINT.

EXISTING BRICK MASONRY TO REMAIN, TYP. ALL SIDES.

REMOVE NON-HISTORIC DOUBLE-HUNG WINDOW AT EXISTING OPENING AND PREP OPENING FOR REPLACEMENT, TYP. AT 3RD, 10TH FLOORS.

EXISTING HISTORIC TERRA COTTA HEADER, WINDOW SILL AND MULLION AT EXISTING OPENING TO REMAIN, TYP.

EXISTING SKYWALK TO REMAIN (NOT IN SCOPE)

EXISTING BRONZED CAST IRON TO REMAIN, TYP. GENTLY CLEAN.

EXISTING BRICK MASONRY TO REMAIN, TYP. ALL SIDES.

EXISTING MASONRY INFILL TO REMAIN AT 2ND FLOOR WINDOWS.

EXISTING FIRE ESCAPE INCLUDING LANDINGS TO REMAIN IN ENTIRETY. GENTLY REMOVE RUST, PRIME AND PAINT WITH (2) COATS ZINC-RICH, CORROSION RESISTANT PAINT.

GENERAL ELEVATION NOTES

1. GENTLY REMOVE ALL ALGAE, MOSS, AND OTHER VEGETATIVE GROWTH FROM EXISTING EXTERIOR WALL SURFACES.
2. CLEAN ALL EXPOSED BRICK, STONE, AND TERRA COTTA MASONRY SURFACE USING THE GENTLEST METHOD CAPABLE OF ACHIEVING THE DESIRED RESULT. USE ONLY CLEANING AGENTS RECOMMENDED BY THEIR MANUFACTURER FOR THE MATERIALS. TEST EACH CLEANING AGENT IN AN INCONSPICUOUS AREA PRIOR TO FURTHER APPLICATION.
3. ~~NOT USED.~~
4. CAREFULLY RAKE OUT AND REMOVE DETERIORATED OR LOOSE MORTAR FROM MASONRY JOINTS. EXERCISE CARE SO AS NOT TO DAMAGE ADJACENT MASONRY TO REMAIN. REPLACE MISSING AND REMOVED MORTAR JOINTS USING NEW MORTAR WHICH CLOSELY MATCHES THE APPEARANCE AND STRENGTH OF THE HISTORIC MATERIAL.
5. VERIFY SECURE ATTACHMENT OF ALL STONE AND TERRA COTTA ELEMENTS TO THE BUILDING AND PROMPTLY NOTIFY ARCHITECT IF ANY ELEMENTS APPEAR LOOSE.
6. GENTLY REMOVE SURFACE RUST FROM EXPOSED SURFACES OF EXISTING STEEL LINTELS. REPORT EXCESSIVE CORROSION TO ARCHITECT FOR FURTHER INVESTIGATION. PRIME ALL EXPOSED SURFACES OF STEEL LINTELS AND PROVIDE TWO COATS OF ZINC-RICH, CORROSION-RESISTANT PAINT. COLOR TO BE SELECTED BY THE ARCHITECT.



2
A5.02
PHOTO ELEVATION - NORTH
NOT TO SCALE



3
A5.02
PHOTO ELEVATION - NORTH
NOT TO SCALE

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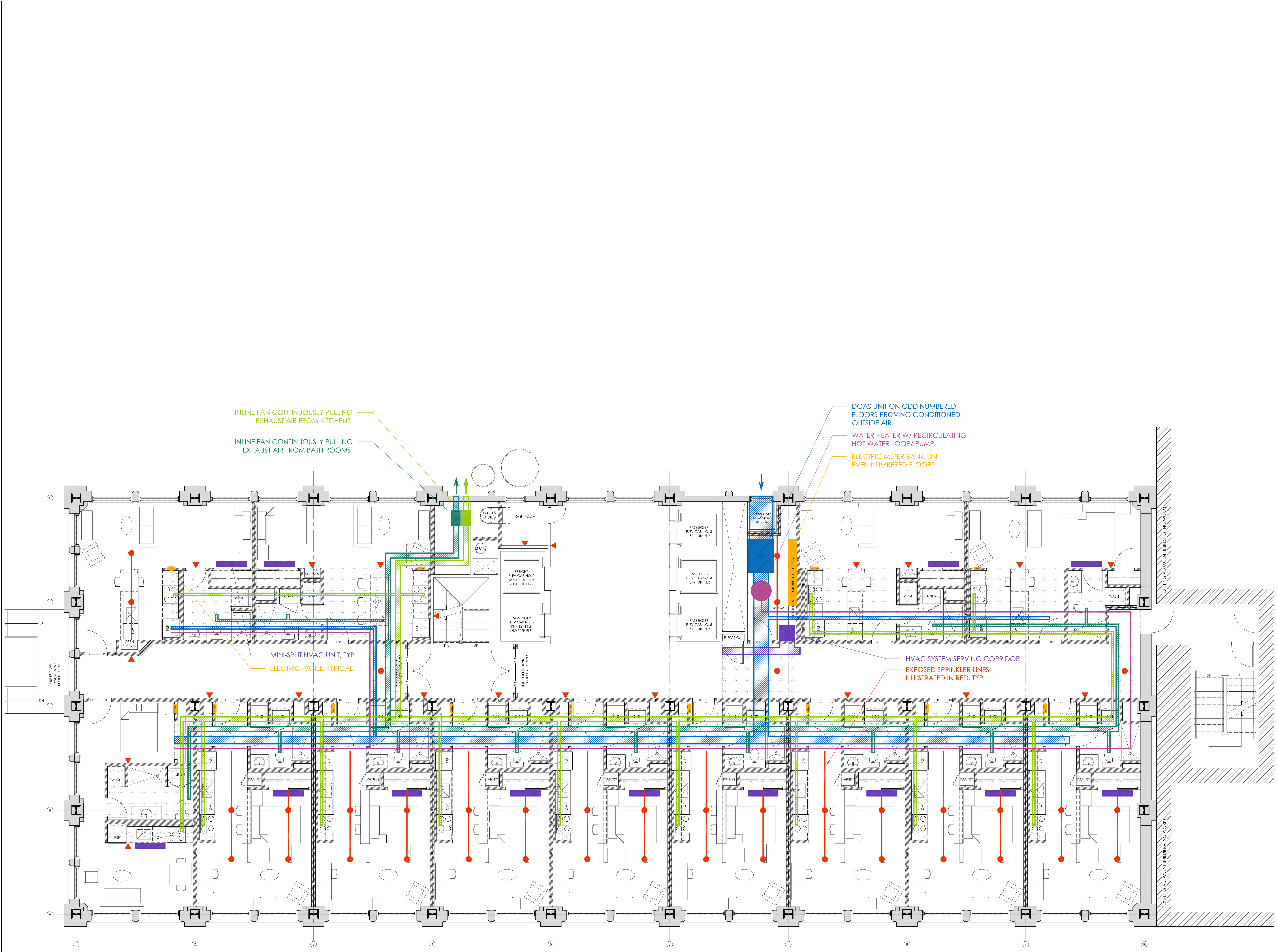
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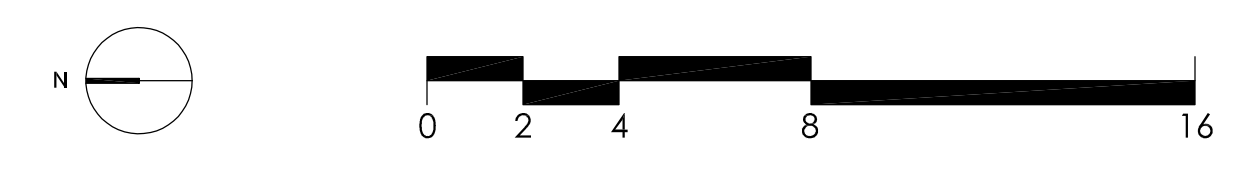
EXTERIOR ELEVATIONS

A5.02

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TYPICAL FLOOR PLAN MEP+FP STRATEGY DIAGRAM
1/4" = 1'-0"



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MECHANICAL SCOPE OF WORK
 THE MECHANICAL SCOPE OF THIS PROJECT IS TO PROVIDE ALL NEW HVAC FOR BUILDING RENOVEL.

CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
- OUTSIDE AIR DUCT DOWN.
- EXHAUST DUCTWORK TO BE RAN LOW IN BULKHEAD TIGHT TO CEILING BELOW.
- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS, AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.

J. UNLESS OTHERWISE NOTED ALL EXHAUST AIR DUCTWORK IS TO BE HELD TIGHT TO STRUCTURE ABOVE.

K. UNLESS OTHERWISE NOTED ALL OUTSIDE AIR DUCTWORK IS TO BE HELPS TIGHT TO STRUCTURE ABOVE.

L. ALL SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS IS BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.

B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.

C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.

E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUTOFF THE UNIT ON HIGH WATER LEVEL.

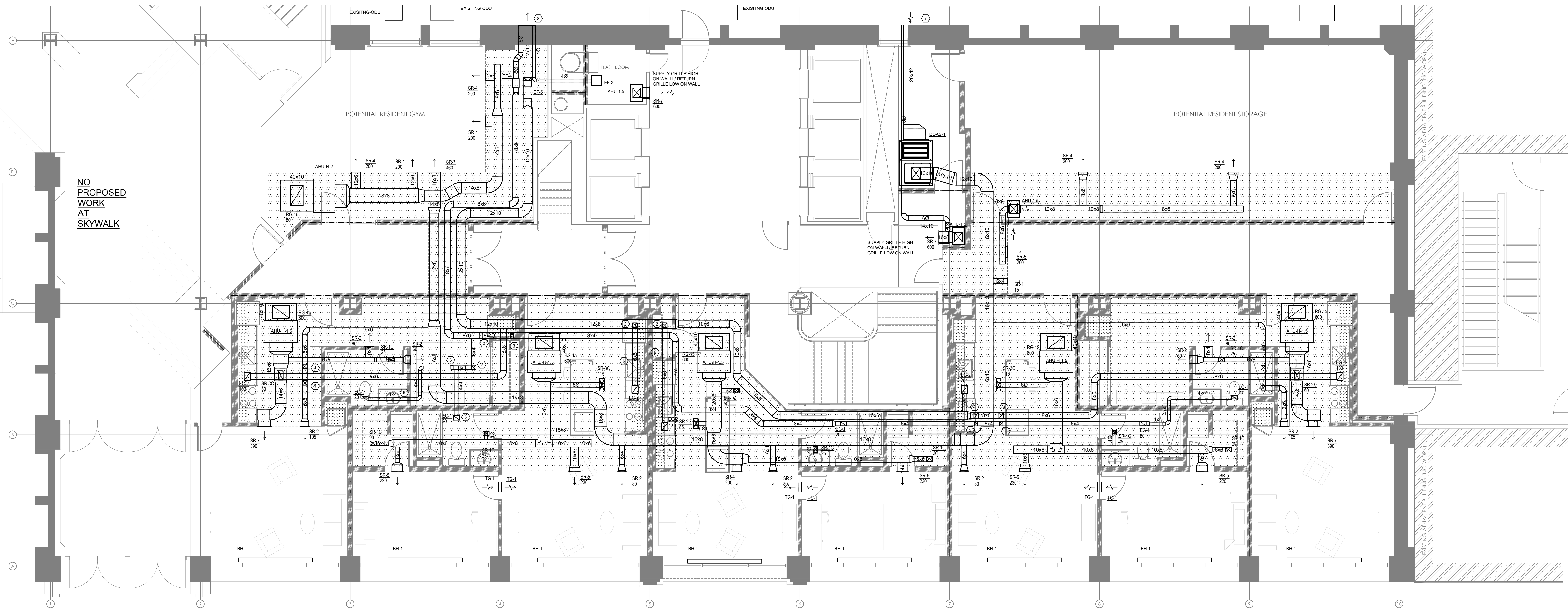
H. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.

I. ROUTE ALL AIR CONDITIONER CONDENSATE TO WASHER BOY. PROVIDE MINIMUM SLOPE OF 1/8" PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE. ALL CONDENSATE PIPING SHALL BE CONCEALED IN FINISH CEILING.

J. UNLESS OTHERWISE NOTED ALL EXHAUST AIR DUCTWORK IS TO BE HELD TIGHT TO STRUCTURE ABOVE.

K. UNLESS OTHERWISE NOTED ALL OUTSIDE AIR DUCTWORK IS TO BE HELPS TIGHT TO STRUCTURE ABOVE.

L. ALL SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS IS BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.



M1.2 MECHANICAL SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION**

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MECHANICAL
 SECOND FLOOR PLAN

M1.2
 PRELIMINARY DRAWINGS:
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MECHANICAL SCOPE OF WORK
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CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

GENERAL NOTES

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C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

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E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUTOFF THE UNIT ON HIGH WATER LEVEL.

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
- OUTSIDE AIR DUCT DOWN.
- EXHAUST DUCTWORK TO BE RAN LOW IN BULKHEAD TIGHT TO CEILING BELOW.
- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

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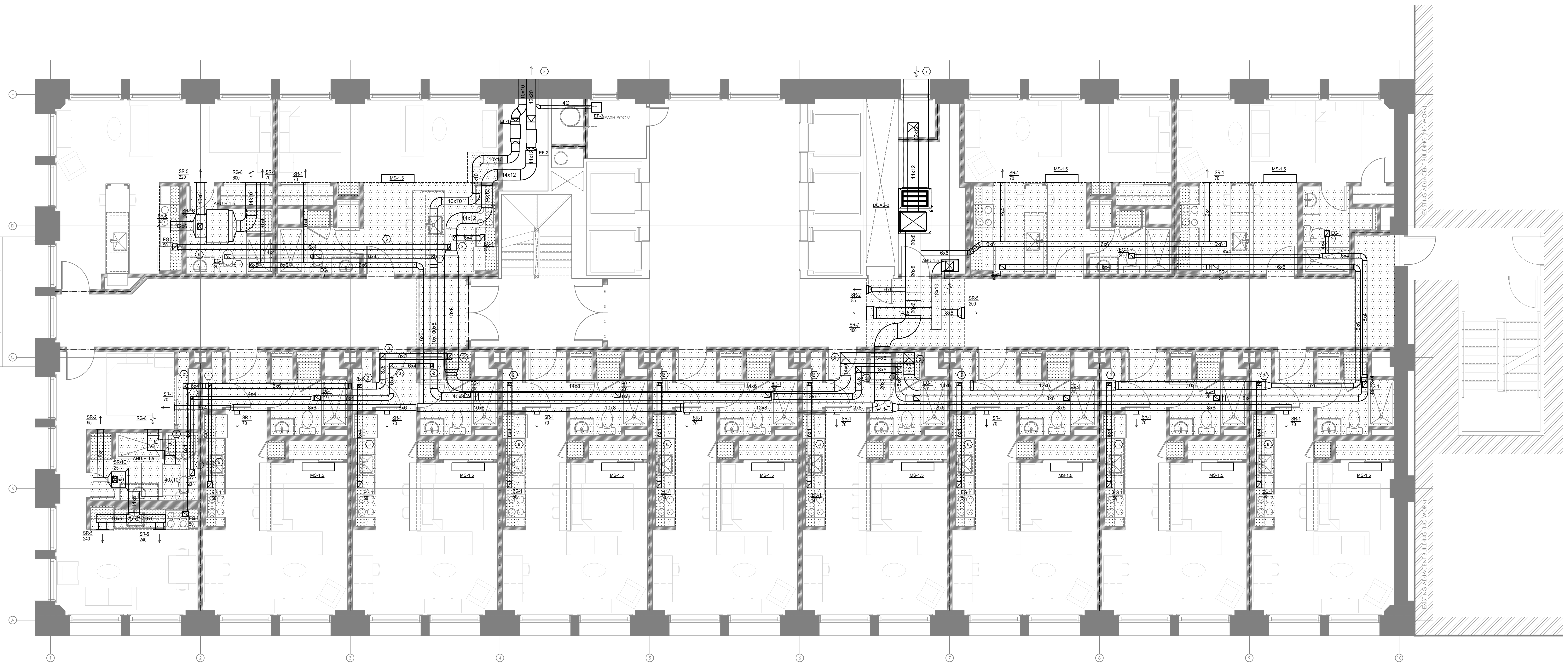
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K. UNLESS OTHERWISE NOTED ALL OUTSIDE AIR DUCTWORK IS TO BE HELPS TIGHT TO STRUCTURE ABOVE.

L. ALL SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS IS BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |



M1.3 MECHANICAL THIRD FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION**

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MECHANICAL
 THIRD FLOOR PLAN

M1.3
 PRELIMINARY DRAWINGS:
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Z:_Project_Directories\0600-8890-8866 - Mercantile Library - Historical-Construction_Document\8866-M1.4-1.000-PLAN.dwg - EES: Plot Date/Time: Feb 23, 2021 4:55pm - By: R.Garner
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MECHANICAL SCOPE OF WORK
 THE MECHANICAL SCOPE OF THIS PROJECT IS TO PROVIDE ALL NEW HVAC FOR BUILDING RENOVEL.

CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|--------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | INDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|--------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | INDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
- OUTSIDE AIR DUCT DOWN.
- EXHAUST DUCTWORK TO BE RAN LOW IN BULKHEAD TIGHT TO CEILING BELOW.
- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.

B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.

C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.

E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUT-OFF THE UNIT ON HIGH WATER LEVEL.

H. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.

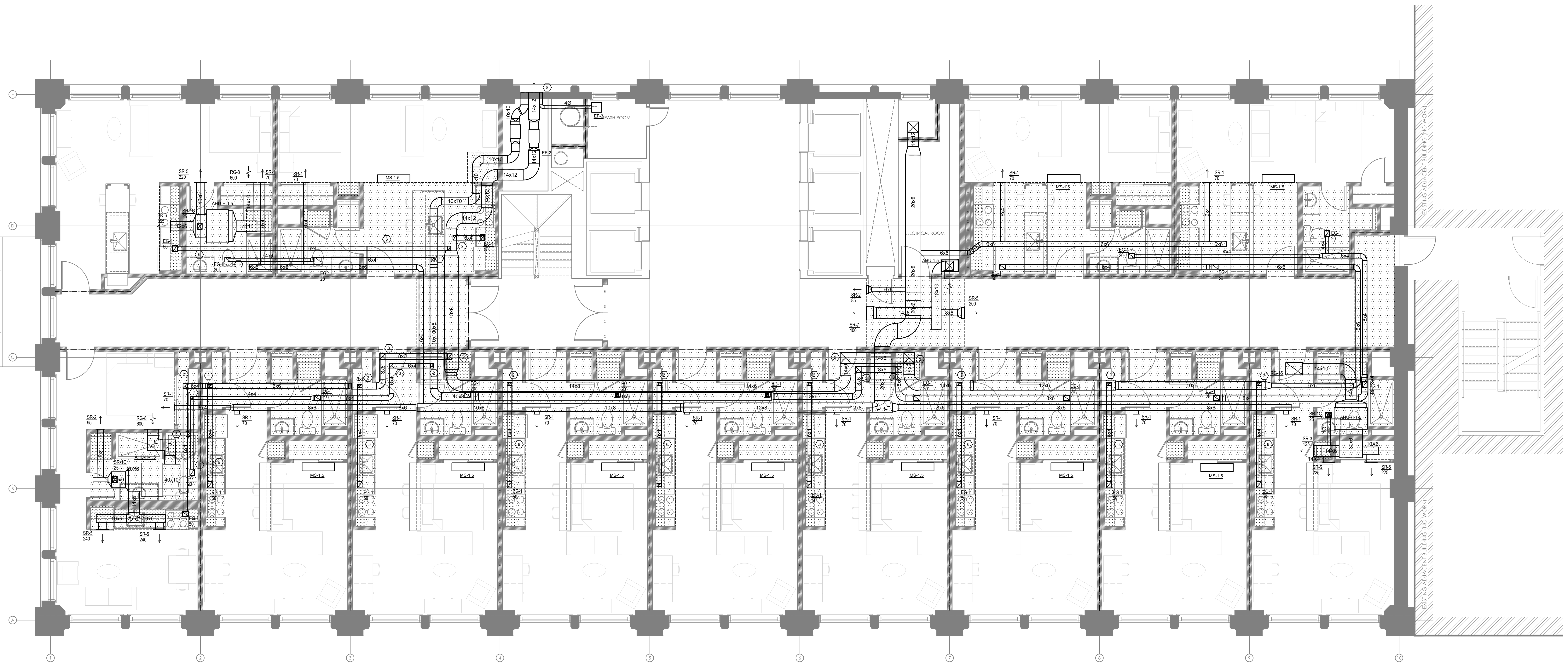
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M1.4 MECHANICAL FOURTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
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MECHANICAL
 FOURTH FLOOR
 PLAN

M1.4
 PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION

Z:\Project\Drawings\0600-8890-8866 - Mercantile Library - Historical-Construction\Drawings\M1.5-1.006-PLAN-ME-ESS-PEL.Dwg (Time: Feb 23, 2021 4:53pm) - By: R.Garner
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CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
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- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

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E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

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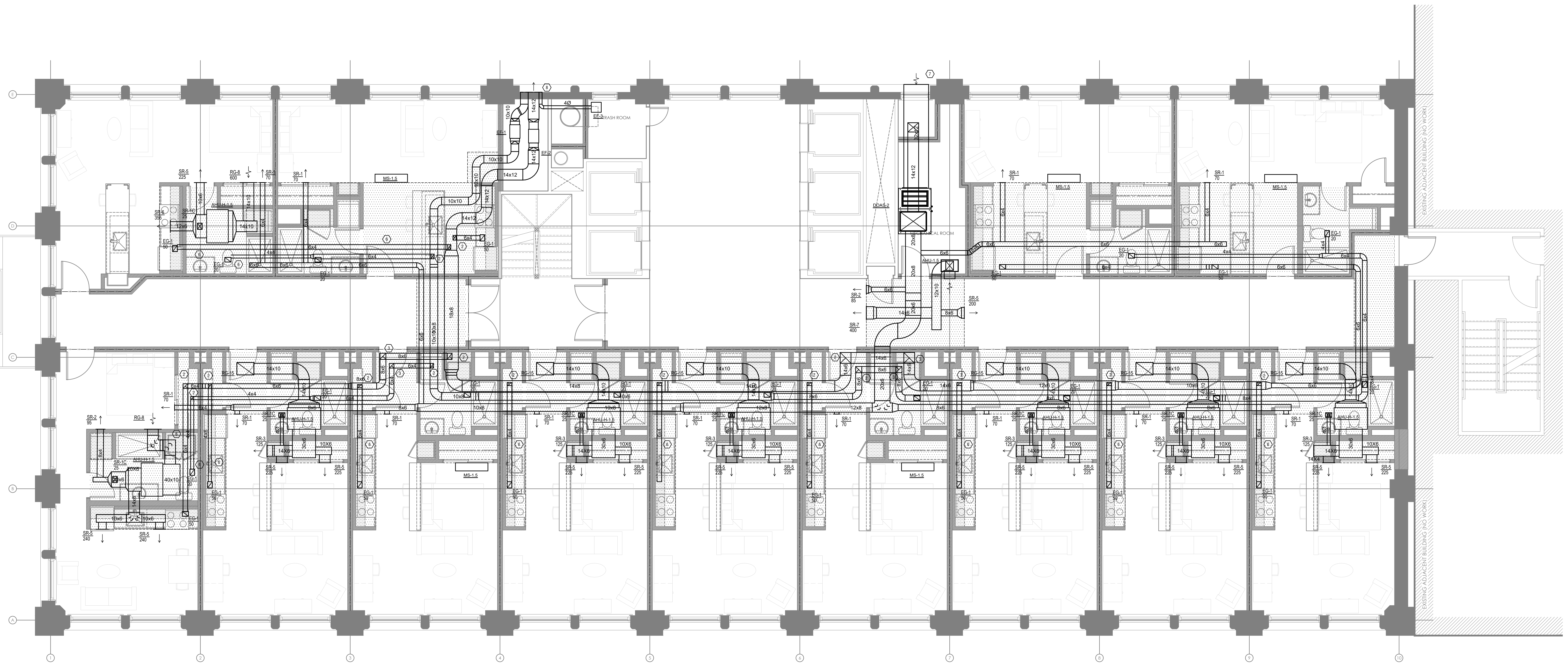
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M1.5 MECHANICAL FIFTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
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MECHANICAL
 FIFTH FLOOR PLAN

M1.5
 PRELIMINARY DRAWINGS:
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- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

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- EXHAUST AIR DUCT UP.
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- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

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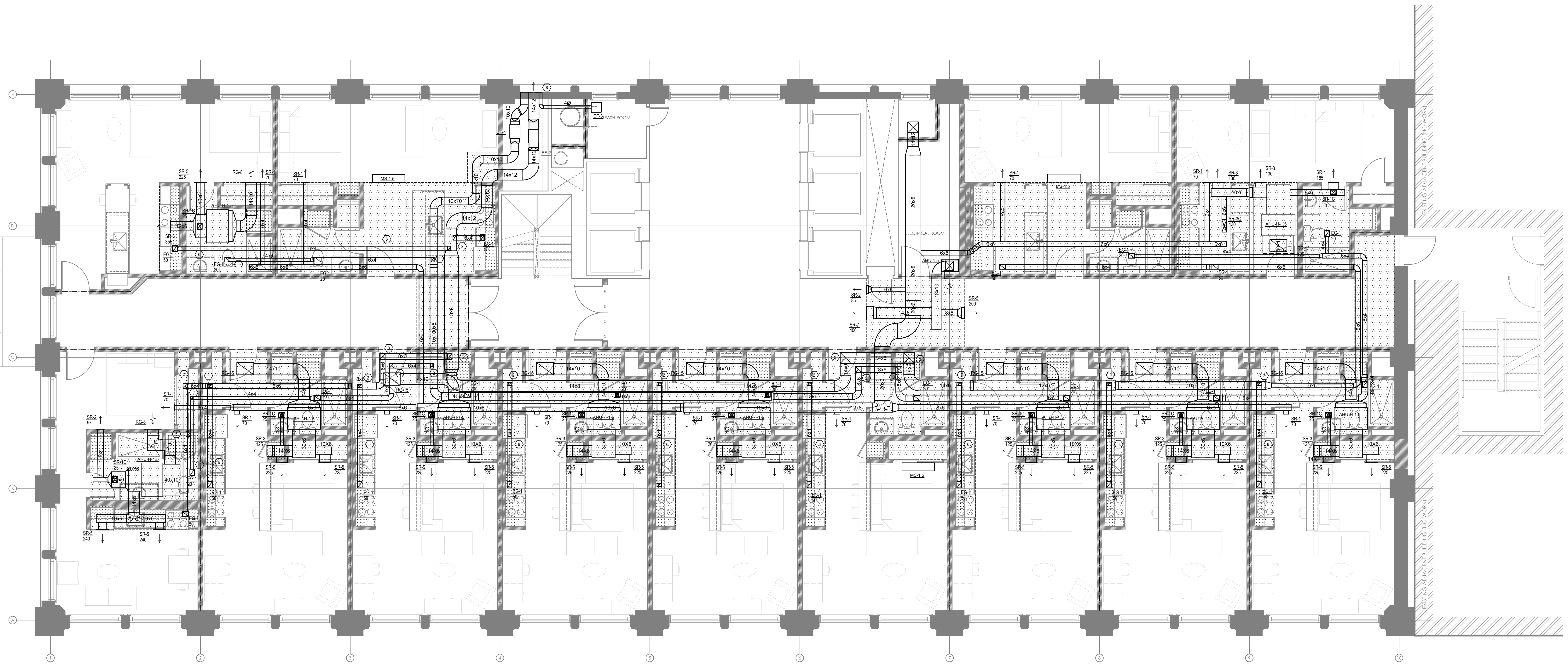
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M1.6 MECHANICAL SIXTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
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MECHANICAL
 SIXTH FLOOR PLAN
M1.6
 PRELIMINARY DRAWINGS:
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Z:\Project\Director\8600-8600-8600 - Mercantile Library - Historical-Construction\Documents\8600-8600-8600-ESS-Prel-Dwg\Title-02-21-2021-5:00pm - R. R. Garner
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G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUTOFF THE UNIT ON HIGH WATER LEVEL.

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

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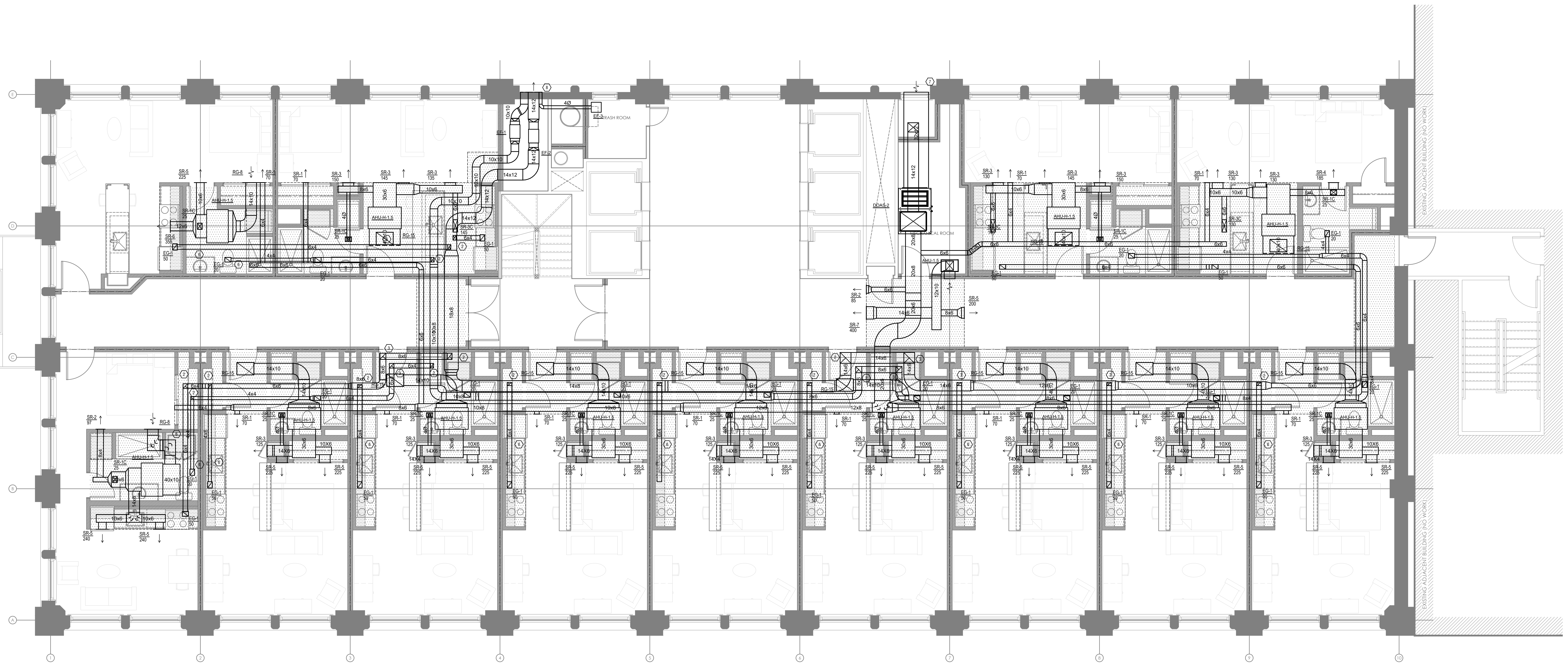
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L. ALL SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS IS BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |



M1.7 MECHANICAL SEVENTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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MECHANICAL
 SEVENTH FLOOR PLAN

M1.7
 PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION

Z:_Project_Directories\0800-8890-8866 - Mercantile Library - Historical-Construction_Document\8866-M108-11008-PLAN-ME-ESS_Plot_Dwg_Trim: Feb 23, 2021 10:53:00am - By: R.Garner
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MECHANICAL SCOPE OF WORK
 THE MECHANICAL SCOPE OF THIS PROJECT IS TO PROVIDE ALL NEW HVAC FOR BUILDING RENOVEL.

CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
- OUTSIDE AIR DUCT DOWN.
- EXHAUST DUCTWORK TO BE RAN LOW IN BULKHEAD TIGHT TO CEILING BELOW.
- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

SYMBOLS LEGEND - HVAC

| | |
|--|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.

B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.

C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.

D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.

E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.

F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.

G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUTOFF THE UNIT ON HIGH WATER LEVEL.

H. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROPPED CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.

I. ROUTE ALL AIR CONDITIONER CONDENSATE TO WASHER BOY. PROVIDE MINIMUM SLOPE OF 1/8" PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE. ALL CONDENSATE PIPING SHALL BE CONCEALED IN FINISH CEILING.

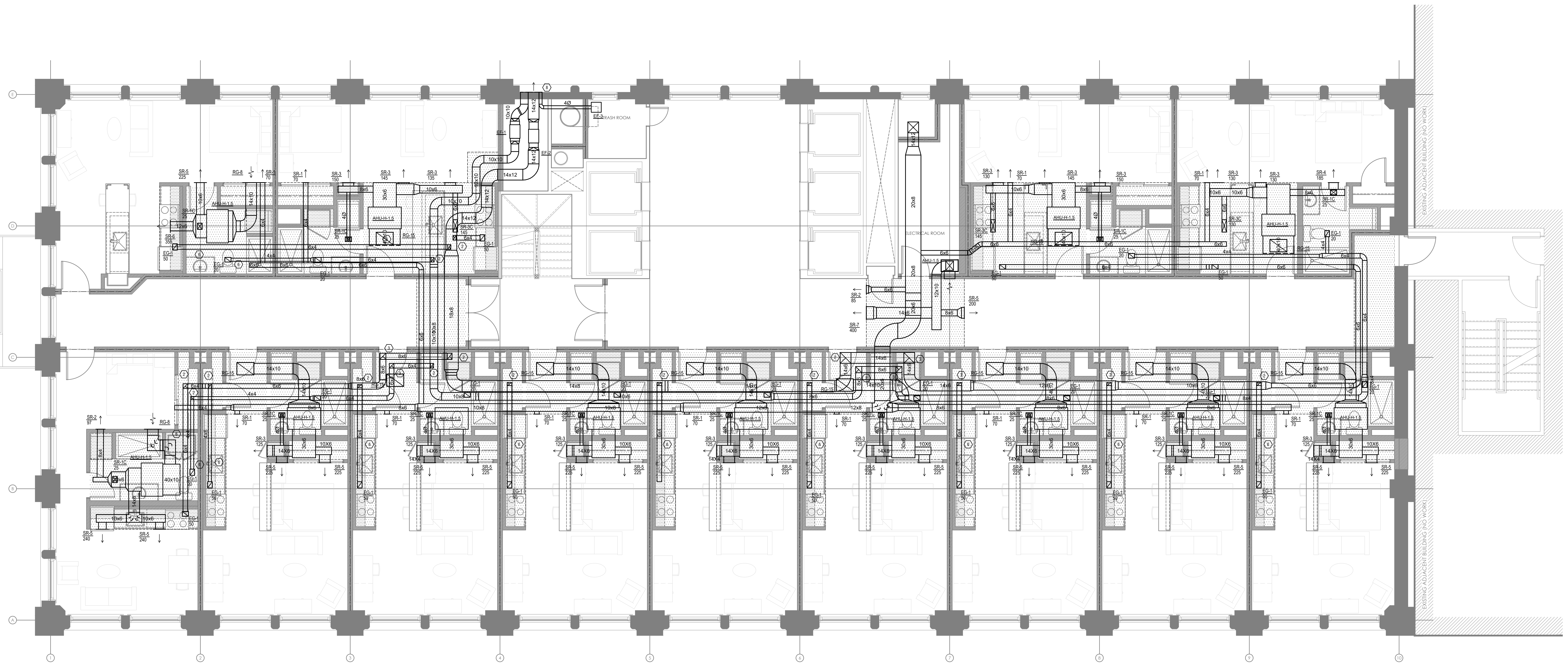
J. UNLESS OTHERWISE NOTED ALL EXHAUST AIR DUCTWORK IS TO BE HELD TIGHT TO STRUCTURE ABOVE.

K. UNLESS OTHERWISE NOTED ALL OUTSIDE AIR DUCTWORK IS TO BE HELPS TIGHT TO STRUCTURE ABOVE.

L. ALL SUPPLY AND RETURN DUCT FOR AIR HANDLING UNITS IS BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.

M. EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS, AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.

N. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL.



M1.8 MECHANICAL EIGHTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

**PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION**

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MECHANICAL
 EIGHTH FLOOR PLAN

M1.8
 PRELIMINARY DRAWINGS:
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APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
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SYMBOLS LEGEND - HVAC

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| | THERMOSTAT |
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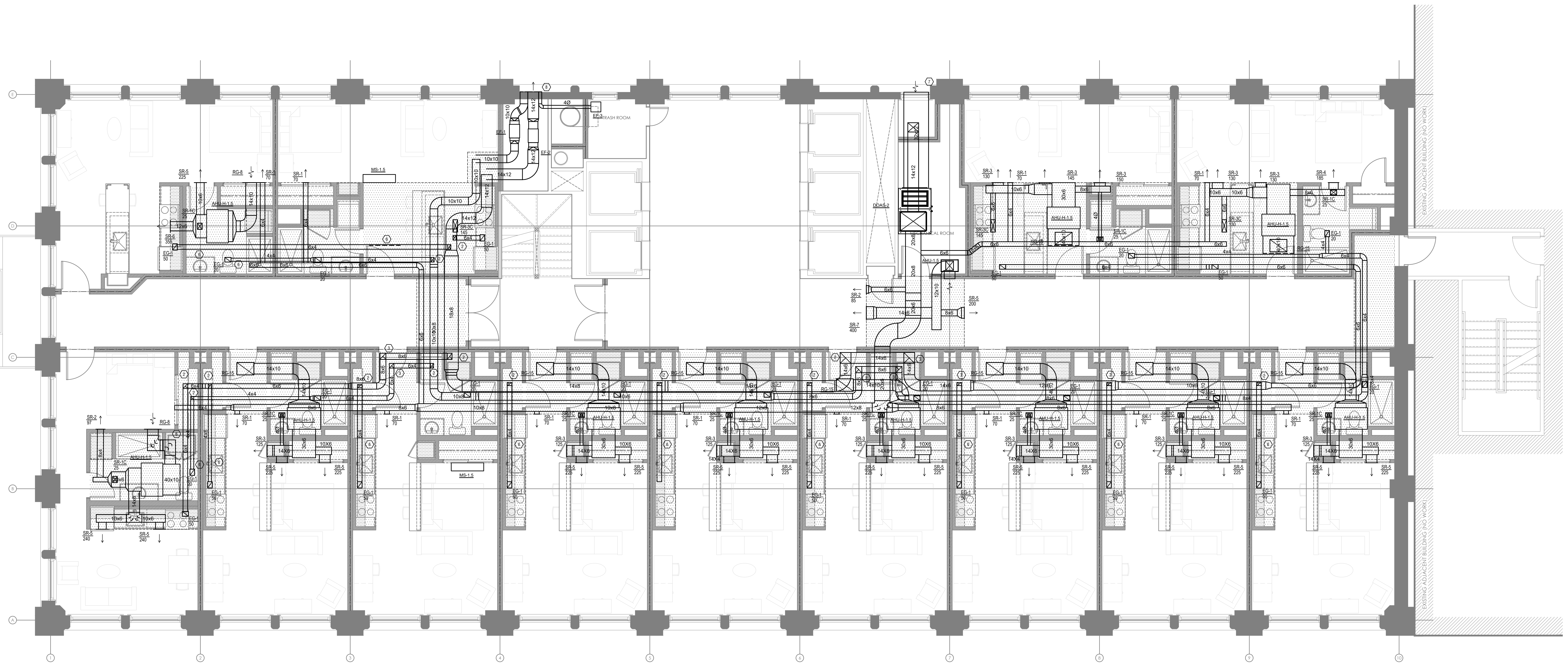
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MECHANICAL NINTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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MECHANICAL
 NINTH FLOOR PLAN

M1.9
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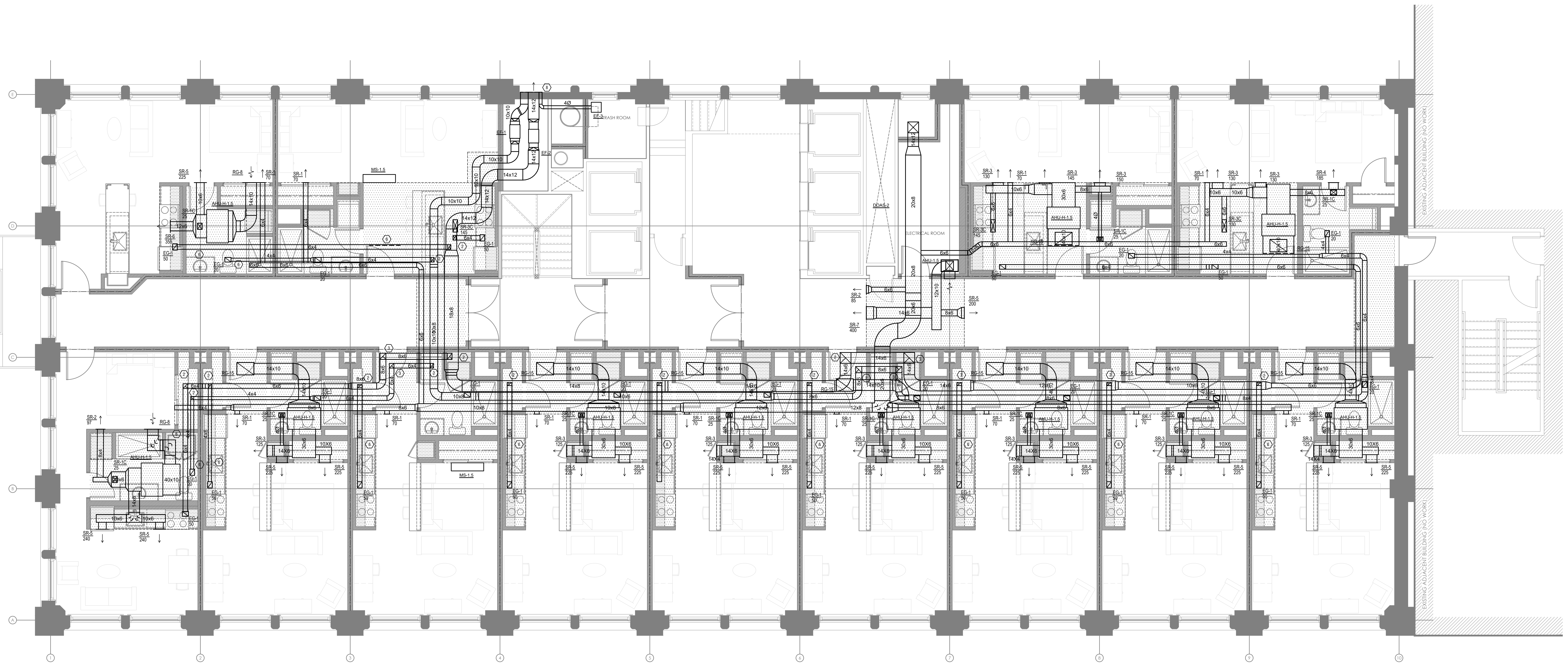
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MECHANICAL TENTH FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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MECHANICAL
 TENTH FLOOR PLAN

M1.10
 PRELIMINARY DRAWINGS:
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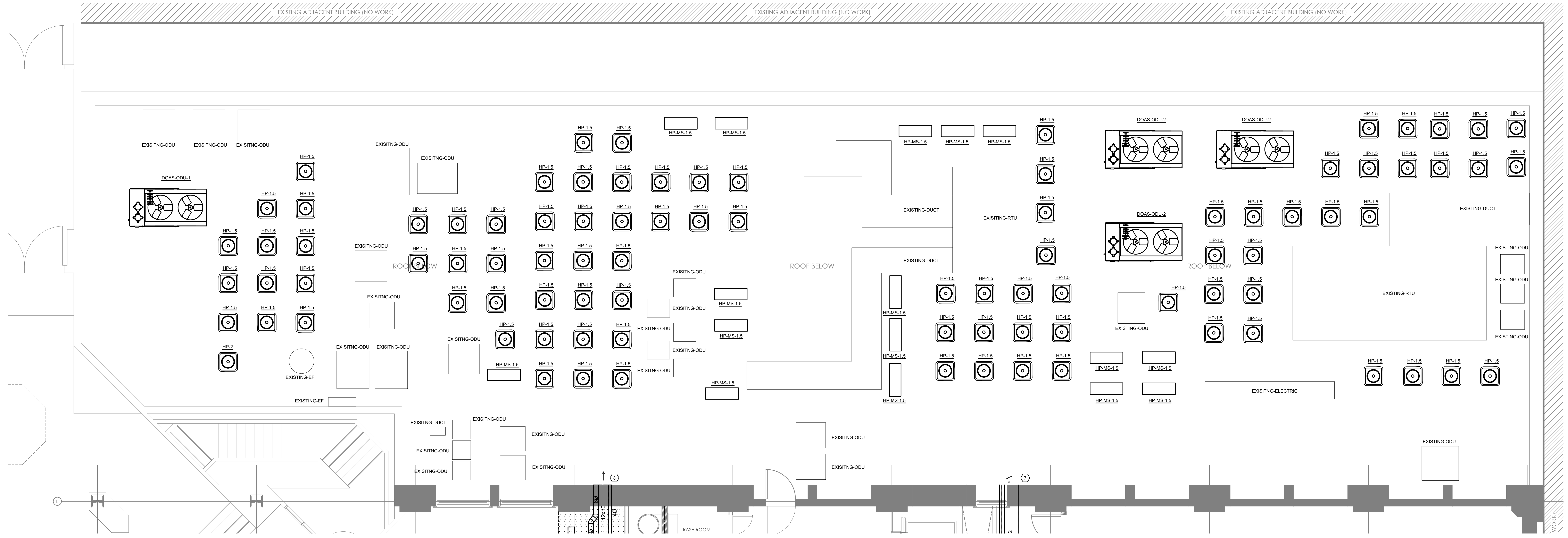
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| HVAC DESIGN CONDITIONS | | | | | | |
|--|--------------|---------|------------------------|--------------|------------|------------|
| APARTMENT/CORRIDORS | | | | | | |
| <table border="0"> <tr> <td>COOLING</td> <td>HEATING</td> </tr> <tr> <td>OUTDOOR: 93 DB / 75 WB</td> <td>INDOOR: 0 DB</td> </tr> <tr> <td>INDOOR: 75</td> <td>INDOOR: 70</td> </tr> </table> | COOLING | HEATING | OUTDOOR: 93 DB / 75 WB | INDOOR: 0 DB | INDOOR: 75 | INDOOR: 70 |
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| FITNESS AREA | | | | | | |
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MECHANICAL SECOND FLOOR ROOF PLAN
 M1.11 SCALE: 1/4" = 1'-0"

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 NOT FOR CONSTRUCTION

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MECHANICAL
 ELEVENTH FLOOR PLAN
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MECHANICAL SCOPE OF WORK

THE MECHANICAL SCOPE OF THIS PROJECT IS TO PROVIDE ALL NEW HVAC FOR BUILDING RENOVEL.

CODES REFERENCED

- 2017 OHIO MECHANICAL CODE
- 2017 OHIO BUILDING CODE
- ASHRAE 90.1-2010

HVAC DESIGN CONDITIONS

APARTMENT/CORRIDORS

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 75 | INDOOR: 70 |

FITNESS AREA

| | |
|------------------------|---------------|
| COOLING | HEATING |
| OUTDOOR: 93 DB / 75 WB | OUTDOOR: 0 DB |
| INDOOR: 72 | INDOOR: 70 |

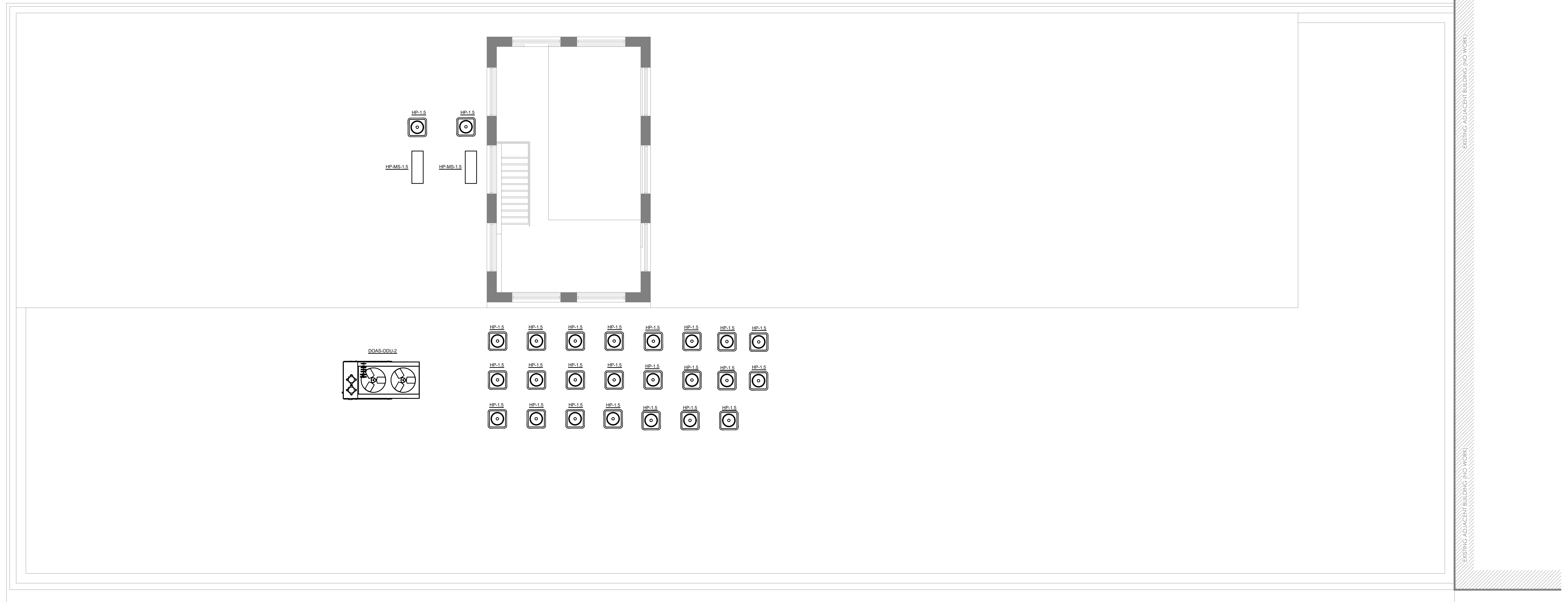
KEYED SHEET NOTES

- ROUTE LINE SET FROM OUTDOOR UNIT TO INDOOR AIR HANDLER. ALL PIPING SHALL BE CONCEALED IN FINISHED AREA, SIZE PER MANUFACTURER'S RECOMMENDATIONS.
- EXHAUST AIR DUCT UP.
- EXHAUST AIR DUCT DOWN.
- OUTSIDE AIR DUCT UP.
- OUTSIDE AIR DUCT DOWN.
- EXHAUST DUCTWORK TO BE RAN LOW IN BULKHEAD TIGHT TO CEILING BELOW.
- NEW LOUVER TO FILL EXISTING WINDOW OPENING.
- EXHAUST DUCTWORK TO TERMINATE INTO ONE COMMON LOUVER.

| SYMBOLS LEGEND -- HVAC | |
|------------------------|--------------------------------|
| | THERMOSTAT |
| | CEILING DIFFUSER |
| | SIDE WALL GRILL |
| | RETURN WALL GRILL |
| | AIR FLOW DIRECTION |
| | DUCTWORK |
| | TYPICAL SUPPLY DUCT ON |
| | TYPICAL RETURN DUCT ON |
| | TYPICAL EXHAUST DUCT |
| | TURNING WYES |
| | FLEXIBLE DUCT, 6'-0" LONG MAX. |
| | TYPICAL ROUND DUCT ON |
| | ROUND DUCT UP |
| | DROPPED CEILING/SOFFIT |

GENERAL NOTES

- A. FOR FULL SCHEDULES, SPECIFICATIONS, AND COMPLETE LISTING SEE DETAIL SHEETS.
- B. COORDINATE ROUTING OF ALL WORK WITH OTHER TRADES.
- C. COORDINATE WITH ELECTRICAL CONTRACTOR FOR POWER CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- D. INSTALL ALL EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. MAINTAIN ALL CODE RECOMMENDED CLEARANCES FOR ACCESS AND MAINTENANCE.
- E. MAINTAIN ALL CODE REQUIRED SERVICE CLEARANCES. FOLLOW CLEARANCE TO COMBUSTIBLE DISTANCE PER MANUFACTURER'S INSTRUCTIONS.
- F. PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST SYSTEMS AND EITHER LOUVER, BRICK VENT, OR CAPS AT ALL EXTERIOR BUILDING PENETRATIONS.
- G. PROVIDE AN AUXILIARY DRAIN PAN WITH OVERFLOW SWITCH UNDERNEATH HORIZONTAL UNITS, WHICH WILL SHUTOFF THE UNIT ON HIGH WATER LEVEL.
- H. IN DWELLING UNITS, ROUTE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ABOVE DROP CEILING OR IN BULKHEADS. COORDINATE ROUTING WITH ARCHITECTURAL DRAWINGS. DUCTS SHALL BE RUN BELOW THE RATED FLOOR/CEILING.
- I. ROUTE ALL AIR CONDITIONER CONDENSATE TO WASHER BOY. PROVIDE MINIMUM SLOPE OF 1/8" PER FOOT. SIZE CONDENSATE PER SECTION 307.2.2 OF THE OHIO MECHANICAL CODE. ALL CONDENSATE PIPING SHALL BE CONCEALED IN FINISH CEILING.
- J. UNLESS OTHERWISE NOTED ALL EXHAUST AIR DUCTWORK IS TO BE HELD TIGHT TO STRUCTURE ABOVE.
- K. UNLESS OTHERWISE NOTED ALL OUTSIDE AIR DUCT WORK IS TO BE HELPS TIGHT TO STRUCTURE ABOVE.
- L. ALL SUPPLY AND RETURN DUCT FOR FOR AIR HANDLING UNITS IS TO BE RAN BELOW EXHAUST AND OUTSIDE AIR DUCTWORK BEING HELD TIGHT TO STRUCTURE.
- EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS, AND UTILITY REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE ALL NEW ELECTRICAL AND PLUMBING REQUIREMENTS WITH THE ELECTRICAL AND PLUMBING CONTRACTORS.
- ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL



1
M1.12 MECHANICAL UPPER ROOF PLAN
SCALE: 1/4" = 1'-0"

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MECHANICAL
 UPPER ROOF PLAN
M1.12
 PRELIMINARY DRAWINGS:
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DIFFUSER, GRILLE, AND REGISTER SCHEDULE

| CALLOUT | DESCRIPTION | FACE SIZE (IN) | INLET SIZE (IN) | MODEL | NOTES |
|---------|--|----------------|-----------------|----------------------|--|
| EG-1 | EXHAUST AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 8x6 | 6x4 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |
| EG-2 | EXHAUST GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 10x8 | 8x6 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |
| RG-8 | RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 22x16 | 20x14 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |
| RG-15 | RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 22x16 | 20x14 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |
| RG-16 | RETURN AIR GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 26x16 | 24x14 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |
| SR-1 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 8x6 | 6x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-1C | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 8x6 | 6x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-2 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 12x6 | 10x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-2C | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 12x6 | 10x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-3 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 16x6 | 14x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-3C | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 16x6 | 14x4 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-4 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 14x8 | 12x6 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-5 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 18x8 | 14x6 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-6 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 10x10 | 14x8 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| SR-7 | STEEL 2-WAY REGISTER, MS DAMPER, 1/3" FIN SPACING | 18x10 | 16x8 | HART AND COOLEY/ 661 | ADJUSTABLE DAMPER IN FACE, BRIGHT WHITE FINISH |
| TG-1 | TRANSFER GRILLE, ALL-STEEL CONSTRUCTION, 1/3" SPACED FINS AT 20 DEGREES | 12x12 | 10x10 | HART AND COOLEY/ 650 | BRIGHT WHITE FINISH |

| DEDICATED OUTDOOR AIR UNIT (DOAS) AIR HANDLER SCHEDULE | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|--------------|-----------------|--------|-----|-----------|-----------|------|------------|------------|-------|------------|----------|-----------|-------|----------|-----------|-----|------|-------|-----|---|
| TAG | AREA SERVED | MANUFACTURER | MODEL | SUPPLY | | COOLING | | | HEATING | | | ELECTRICAL | | | NOTES | | | | | | | |
| | | | | CFM | ESP | TOTAL MBH | SENS. MBH | EER | EAT (DBWB) | LAT (DBWB) | MBH | EAT (DB) | LAT (DB) | REHEATING | | LAT (DB) | VOLTPHASE | MCA | MDCP | | | |
| DOAS-1 | REFER TO PLANS | AAON | V3-BRB-8-0162C | 1050 | 0.5 | 87.78 | 38.23 | 12.4 | 8878 | 52.8752.11 | 76.8 | 0 | 69.9 | 22 | 72 | 59.55 | 208-3-60 | 82 | 90 | FLOOR | 721 | - |
| DOAS-2 | REFER TO PLANS | AAON | V3-CLB-8-0-152C | 1810 | 1 | 161.43 | 70.25 | 10.9 | 8878 | 50.649.81 | 153.9 | 0 | 81.3 | 43 | 72 | 58.39 | 208-3-60 | 163 | 175 | FLOOR | 966 | - |

| DEDICATED OUTDOOR AIR UNIT (DOAS) OUTDOOR UNIT SCHEDULE | | | | | | | | | | | | | | |
|---|--------------|--------|---------|--------------|--------|-----------|-----|------|-------------|----------------|--------|-------|--|--|
| TAG | MANUFACTURER | MODEL | CLG-MBH | NOMINAL TONS | MN EER | VOLTPHASE | MCA | MDCP | REFRIGERANT | MOUNTING | WEIGHT | NOTES | | |
| DOAS-ODU-1 | AAON | V3-BRB | 87.78 | 7.5 | 13.1 | 2083 | 39 | 50 | 410A | EQUIPMENT CURB | 1069 | - | | |
| DOAS-ODU-2 | AAON | V3-CLB | 161.4 | 13 | 11.7 | 2083 | 62 | 80 | 410A | EQUIPMENT CURB | 1156 | - | | |

| INDOOR SPLIT SYSTEM SCHEDULE | | | | | | | | | | | | | | |
|------------------------------|----------------|--------------|--------|--------|----------------|-----|----------------------------|-----|-----------|----------------------------|------|----------|--------|-------|
| TAG | AREA SERVED | MANUFACTURER | SERIES | MODEL | CFM | ESP | HEAT-KW | HP | VOLTPHASE | MCA | MDCP | MOUNTING | WEIGHT | NOTES |
| AHU-1.5 | REFER TO PLANS | TEMPSTAR | FEMAX | 1800BL | REFER TO PLANS | 0.5 | REFER TO HEAT KIT SCHEDULE | 1/3 | 2081 | REFER TO HEAT KIT SCHEDULE | | | 116 | |
| AHU-3 | REFER TO PLANS | TEMPSTAR | FEMAX | 3600BL | REFER TO PLANS | 0.5 | REFER TO HEAT KIT SCHEDULE | 1/2 | 2081 | REFER TO HEAT KIT SCHEDULE | | | 155 | |

| OUTDOOR SPLIT SYSTEM SCHEDULE | | | | | | | | | | | | | | | | |
|-------------------------------|----------------|--------------|--------|-------|---------|--------------|---------|----------|---------|-----------|------|------|-------------|----------|--------|-------|
| TAG | AREA SERVED | MANUFACTURER | SERIES | MODEL | CLG-MBH | NOMINAL TONS | MN SEER | HEAT-MBH | MN HSPF | VOLTPHASE | MCA | MDCP | REFRIGERANT | MOUNTING | WEIGHT | NOTES |
| HP-1.5 | REFER TO PLANS | TEMPSTAR | NH4 | 183KG | 18 | 1.5 | 14 | 18 | 8.2 | 2081 | 11.8 | 20 | 410A | GRADE | 136 | 1.2 |
| HP-2 | REFER TO PLANS | TEMPSTAR | NH4 | 24KGK | 24 | 2 | 14 | 24 | 8.2 | 2081 | 14.2 | 25 | 410A | GRADE | 144 | 1.2 |
| HP-3 | REFER TO PLANS | TEMPSTAR | NH4 | 36KGK | 36 | 3 | 14 | 36 | 8.2 | 2081 | 19.5 | 30 | 410A | GRADE | 170 | 1.2 |

| HORIZONTAL STYLE INDOOR SPLIT SYSTEM SCHEDULE | | | | | | | | | | | | | | |
|---|----------------|--------------|--------|--------|----------------|------|----------------------------|----------|-----------|-----|------|----------|--------|-------|
| TAG | AREA SERVED | MANUFACTURER | SERIES | MODEL | CFM | ESP | HEAT-KW | HP | VOLTPHASE | MCA | MDCP | MOUNTING | WEIGHT | NOTES |
| AHU-H-1.5 | REFER TO PLANS | TEMPSTAR | FMC4Z | 1800AL | REFER TO PLANS | 0.25 | REFER TO HEAT KIT SCHEDULE | 208-2301 | | | | | 113 | 1 |
| AHU-H-2 | REFER TO PLANS | TEMPSTAR | FMC4Z | 2400AL | REFER TO PLANS | 0.25 | REFER TO HEAT KIT SCHEDULE | 208-2301 | | | | | 113 | 1 |

| FAN SCHEDULE | | | | | | | | | | | | | | |
|--------------|---------|----------------|--------------|----------|--------|-----|------|-------|------|-----------|----------|--------|-------|--|
| TAG | TYPE | AREA SERVED | MANUFACTURER | MODEL | DRIVE | CFM | ESP | WATTS | RPM | VOLTPHASE | MOUNTING | WEIGHT | NOTES | |
| E-1 | EXHAUST | REFER TO PLANS | S&P | TD315 | DIRECT | 260 | 0.5 | 208 | 2000 | 1150/01 | HUNG | 31 | - | |
| E-2 | EXHAUST | REFER TO PLANS | S&P | TD315 | DIRECT | 660 | 0.5 | 336 | 2500 | 1150/01 | HUNG | 31 | - | |
| E-3 | EXHAUST | REFER TO PLANS | PANASONIC | FV-02653 | DIRECT | 50 | 0.15 | 17 | 750 | 1150/01 | CEILING | 15 | - | |
| E-4 | EXHAUST | REFER TO PLANS | S&P | TD150 | DIRECT | 100 | 0.5 | 65 | 2300 | 1150/01 | HUNG | 9 | - | |
| E-5 | EXHAUST | REFER TO PLANS | S&P | TD250 | DIRECT | 425 | 0.5 | 165 | 3200 | 1150/01 | HUNG | 21 | - | |

| FIN TUBE HEATER SCHEDULE | | | | | | | | | | | | | | |
|--------------------------|----------|--------------------|--------------|---------|-------------|-----------|-------|-----|----------------------------|----------|-------|--|--|--|
| TAG | TYPE | AREA SERVED | MANUFACTURER | MODEL | LENGTH (FT) | FUEL | BTUHR | GPM | ENTERING WATER TEMPERATURE | MOUNTING | NOTES | | | |
| BH-1 | FIN TUBE | STAR/BATH/ENTRANCE | MODINE | T-01818 | 8 | HOT WATER | 6,272 | 6 | 190 | FLOOR | - | | | |

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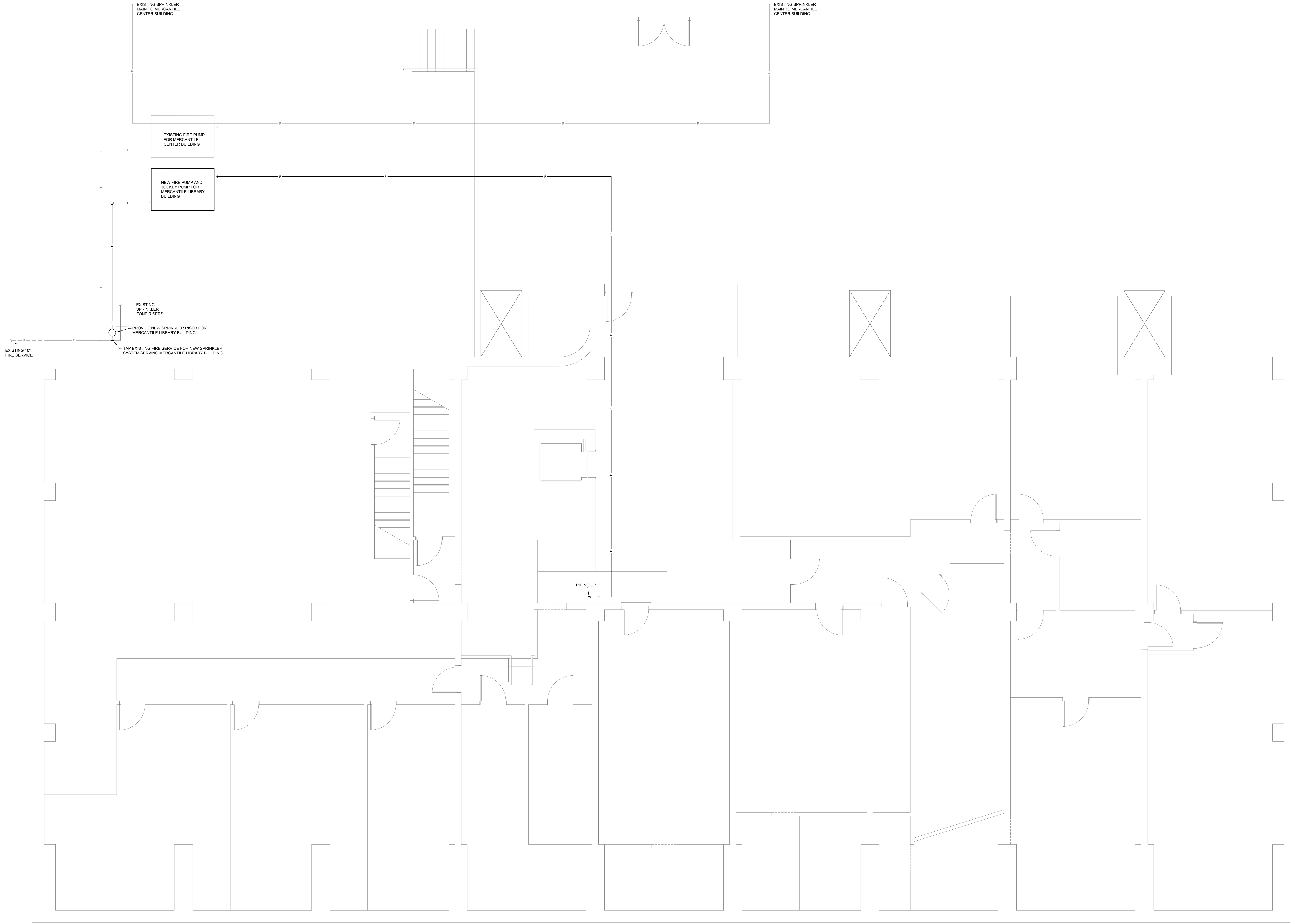
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MECHANICAL DETAILS

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FIRE PROTECTION GENERAL NOTES

INSTALL NEW SPRINKLER SYSTEM PER NFPA 13.
 COORDINATE WITH ARCHITECT'S CODE ANALYSIS. CONTACT ARCHITECT IF ANY DISCREPANCIES.
 REFERENCE ARCHITECTURAL PLANS FOR CEILING HEIGHTS AND MATERIALS.
DELEGATED FIRE SUPPRESSION DESIGN
 DESIGN OF THE FIRE SUPPRESSION SYSTEM IS DELEGATED TO THE INSTALLING CONTRACTOR. RESPONSIBILITY FOR PROVIDING A COMPLIANT, OPERATIONAL FIRE SUPPRESSION SYSTEM LIES WITH THE INSTALLING SPRINKLER CONTRACTOR. REFER TO ARCHITECT'S CODE SHEET WHEN DETERMINING THE APPROPRIATE FIRE SUPPRESSION DESIGN. VERIFY REQUIREMENTS SPECIFIC TO THE PROJECT LOCALITY, THE AUTHORITY HAVING JURISDICTION, AND INCLUDE IN SCOPE.
 THESE DRAWINGS SHOW THE INTENDED FIRE SUPPRESSION SCOPE. THE INSTALLING CONTRACTOR SHALL FURNISH ALL REQUIRED DRAWINGS AND HYDRAULIC CALCULATIONS REQUIRED TO OBTAIN THE PERMIT. THE DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR AN INDIVIDUAL CARRYING ALL CERTIFICATIONS REQUIRED BY THE AGENCY RESPONSIBLE FOR REVIEW AND APPROVAL. DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT / OWNER FOR REVIEW PRIOR TO SUBMITTING FOR PERMIT.
 REQUIRED COMPONENTS THAT ARE NOT SHOWN ON THESE DRAWINGS ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARE INCLUDED IN THIS SCOPE OF WORK.

| FIRE PROTECTION LEGEND | |
|------------------------|--|
| SYMBOL | DESCRIPTION |
| — T — | FIRE SERVICE / SPRINKLER PIPING |
| ○ ^N | EXPOSED SPRINKLER IN AREA WITH NO CEILING (BRASS FINISH) |
| ● | PENDANT OR UPRIGHT SPRINKLER |
| ○ | SIDEWALL SPRINKLER |
| ○ | STANDPIPE WITH 2-1/2" HOSE VALVE CONNECTION |

FIRE PROTECTION BASEMENT PLAN
 SCALE: 1/4" = 1'-0"

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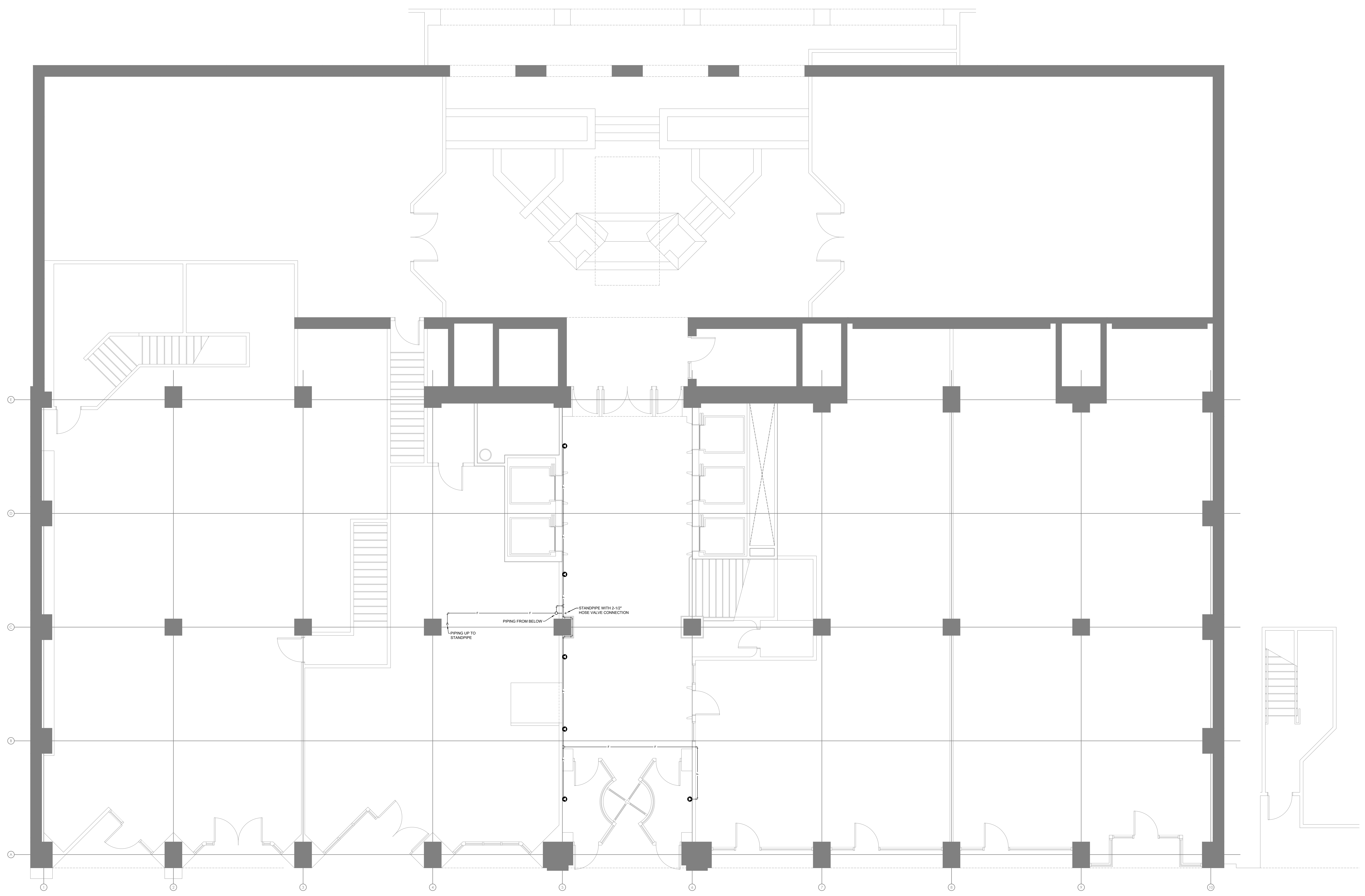
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| FIRE PROTECTION LEGEND | |
|------------------------|--|
| SYMBOL | DESCRIPTION |
| — T — | FIRE SERVICE / SPRINKLER PIPING |
| ○ | EXPOSED SPRINKLER IN AREA WITH NO CEILING (BRASS FINISH) |
| ● | PENDANT OR UPRIGHT SPRINKLER |
| ○ | SIDEWALL SPRINKLER |
| ○ | STANDPIPE WITH 2-1/2" HOSE VALVE CONNECTION |



FIRE PROTECTION FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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 02.24.2021 HISTORIC PART 2

FIRE PROTECTION
 FIRST FLOOR PLAN

F1.1
 PRELIMINARY DRAWINGS:
 NOT FOR CONSTRUCTION

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- DIVISION 21 - FIRE SUPPRESSION**
1. GENERAL FIRE SUPPRESSION REQUIREMENTS
 - a. REFER TO ARCHITECTURAL DRAWINGS, GENERAL NOTES, AND INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, SPECIFICATIONS AND DRAWINGS, AND ASBESTOS PLANS, WHICH APPLY IN ALL RESPECTS TO THIS SECTION.
 - b. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH NFPA, AND ALL APPLICABLE STATE, LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHER STANDARD SHALL APPLY. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD.
 - c. THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL BE LICENSED BY THE STATE OF OHIO TO INSTALL NEW FIRE SUPPRESSION SYSTEMS.
 - d. ALLEGATED DESIGN - PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEM INCLUDING ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE FIRE SUPPRESSION WORK. RESPONSIBILITY FOR PROVIDING A COMPLIANT OPERATIONAL FIRE SUPPRESSION SYSTEM LIES WITH THE INSTALLING SPRINKLER CONTRACTOR. REFER TO ARCHITECT'S CODE SHEET REGARDING THE APPROPRIATE FIRE SUPPRESSION DESIGN. VERIFY REQUIREMENTS SPECIFIC TO PROJECT LOCALITY/AUTHORITY HAVING JURISDICTION AND INCLUDE IN SCOPE. THE DRAWINGS AND THESE SPECIFICATIONS DESCRIBE THE INTENDED FIRE SUPPRESSION SCOPE. INSTALLING CONTRACTOR SHALL FURNISH ALL REQUIRED DRAWINGS AND HYDRAULIC CALCULATIONS REQUIRED FOR FIRE PROTECTION PERMIT. DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR AN INDIVIDUAL CARRYING ALL CERTIFICATIONS REQUIRED BY THE AGENCY RESPONSIBLE FOR REVIEW AND APPROVAL. ALL REQUIRED COMPONENTS ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARE INCLUDED IN THIS SCOPE OF WORK.
 - e. SUBMIT SHOP DRAWINGS WITH PIPING AND SPRINKLER LOCATIONS TO THE ARCHITECT FOR REVIEW CONCURRENTLY WITH SUBMITTING FOR BUILDING DEPARTMENT APPROVAL. ARCHITECT MAY REQUIRE SPRINKLER LOCATIONS TO BE MOVED FOR COORDINATION PURPOSES OR AESTHETIC REASONS.
 - f. THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT AND PIPING WILL BE INSTALLED AND REPORT ANY CONDITION THAT PREVENTS THE PROPER INSTALLATION OF THE FIRE SUPPRESSION WORK PRIOR TO BID. EXAMINE THE DRAWINGS AND SPECIFICATIONS OF OTHER BRANCHES OF WORK, MAKING REFERENCE TO THEM FOR DETAILS OF NEW OR EXISTING BUILDING CONDITIONS. ALL WORK SHALL BE DONE AT TIMES CONVENIENT TO THE OWNER AND ONLY DURING NORMAL WORKING HOURS, UNLESS SPECIFIED OTHERWISE. FIRE SUPPRESSION/SPRINKLER CONTRACTOR SHALL TAKE THEIR OWN MEASUREMENTS.
 - g. WHERE NOT PROVIDED BY OTHERS, PROCURE AND PAY FOR ALL PERMITS, FEES, TAXES AND INSPECTIONS NECESSARY TO COMPLETE THE FIRE SUPPRESSION WORK. FURNISH CERTIFICATE OF APPROVAL FOR WORK FROM INSPECTION AUTHORITY TO OWNER BEFORE FINAL ACCEPTANCE FOR WORK. CERTIFICATE OF FINAL INSPECTION AND APPROVAL SHALL BE SUBMITTED WITH THE CONTRACTOR'S REQUEST FOR PAYMENT. NO FINAL PAYMENT WILL BE APPROVED WITHOUT THIS CERTIFICATE.
 - h. ALL WORK SHALL BE ACCURATELY LABELED WITH OTHER TRADES, PRIOR TO INSTALLATION & FABRICATION, TO AVOID ALL CONFLICTS AND OBTAIN A NEAT AND WORKMANLIKE INSTALLATION WHICH WILL AFFORD MAXIMUM ACCESSIBILITY FOR EQUIPMENT OPERATION, MAINTENANCE CLEARANCES AND HEADROOM.
 2. USE OF DRAWINGS AND SPECIFICATIONS
 - a. ERS DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY DESIGN INTENT ONLY. ALL MEANS AND METHOD, SEQUENCES, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL AND TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT, AND TO PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE PROTECTION SYSTEM ARE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.
 3. CONTRACTOR COORDINATION
 - a. COORDINATION DRAWINGS SHOWING SYSTEM AND COMPONENT INSTALLATION LAYOUT, ROUTING, DETAILS, ETC. SHALL BE PRODUCED BY THE FIRE PROTECTION CONTRACTOR AND UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER OR APPROPRIATE PARTY AS APPLICABLE. ALL SYSTEMS INSTALLED BY EACH SUB-CONTRACTOR SHALL BE COORDINATED WITH ONE ANOTHER, AND APPROVED BY GENERAL CONTRACTOR/CONSTRUCTION MANAGER PRIOR TO INSTALLATION AND/OR FABRICATION. IF QUESTIONS CONCERNING DESIGN INTENT ARISE DURING COORDINATION, ERS CAN ASSIST WHERE APPROPRIATE.
 4. SYSTEM DESIGN
 - a. THE UPPER FLOORS OF THE "MERCANTILE LIBRARY BUILDING" PORTION OF THE BUILDING ARE CURRENTLY NOT PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM. SOME PORTIONS OF THE BASEMENT AND FIRST FLOOR HAVE SPRINKLERS. THERE IS A MANUAL DRY STANDPIPE THAT EXTENDS UP THROUGH ALL FLOORS OF THE MERCANTILE LIBRARY BUILDING, AND IS IN THE MECHANICAL ROOM ADJACENT TO THE STAIR/ELEVATOR. THIS STANDPIPE IS NOT SUPPLIED WITH A PERMANENT WATER SUPPLY AND ONLY BECOMES PRESSURIZED WHEN THE FIRE DEPARTMENT CONNECTS THEIR FIRE TRUCK TO A FIRE DEPARTMENT CONNECTION.
 - b. THERE IS AN EXISTING 10" WATER SERVICE THAT ENTERS THE BASEMENT OF THE MERCANTILE LIBRARY BUILDING THAT SUPPLIES WATER TO VARIOUS PORTIONS OF THE OVERALL BUILDING. THIS SERVICE IS ADEQUATE TO SERVE THE NEW FIRE SUPPRESSION SYSTEM BEING ADDED TO PROTECT THE MERCANTILE LIBRARY BUILDING.
 - c. IN ADDITION TO THE SPRINKLERS IN THE BASEMENT AND FIRST FLOOR OF THE MERCANTILE LIBRARY BUILDING, THE EXISTING 10" SERVICE CURRENTLY SERVES SPRINKLER RISERS LABELED "PARKING GARAGE", "MERCANTILE CENTER/CURTIS-WALGREENS-CL", AND "BUSINESS COURIER-THE BANK OF KY-MERCANTILE WAY LOBBY SKYWALK".
 - d. THERE IS AN EXISTING FIRE PUMP THAT IS DEDICATED TO BOOSTING THE PRESSURE TO THE SPRINKLER SYSTEM SERVING THE "MERCANTILE CENTER BUILDING".
 - e. TO PROVIDE WATER FOR THE PROPOSED AUTOMATIC SPRINKLER SYSTEM SERVING THE "MERCANTILE LIBRARY BUILDING", PROVIDE A NEW SPRINKLER RISER IN THE BASEMENT OF THE MERCANTILE LIBRARY BUILDING SUPPLIED FROM THE EXISTING 10" WATER SERVICE.
 - f. PROVIDE A NEW FIRE PUMP DEDICATED TO THE MERCANTILE LIBRARY BUILDING THAT MEETS THE PRESSURE AND FLOW REQUIREMENTS FOR THE PROPOSED SPRINKLERS AND STANDPIPE SYSTEM SERVING THE MERCANTILE LIBRARY BUILDING.
 - g. EXISTING SPRINKLER PIPING AND SPRINKLERS SERVING THE BASEMENT OF THE MERCANTILE LIBRARY BUILDING SHALL BE REWORKED SO THEY ARE SUPPLIED FROM THE NEW SPRINKLER RISER DEDICATED TO THE MERCANTILE LIBRARY BUILDING.
 - h. EXISTING SPRINKLER PIPING AND SPRINKLERS SERVING THE FIRST FLOOR OF THE MERCANTILE LIBRARY BUILDING CAN EITHER BE REMOVED ENTIRELY AND REPLACED WITH NEW, OR THE PIPING CAN BE REWORKED SO THE SPRINKLERS ARE SUPPLIED FROM THE NEW SPRINKLER RISER DEDICATED TO THE MERCANTILE LIBRARY BUILDING.
 - i. UPON COMPLETION OF THE PROJECT, ANY TAMPER OR FLOW SWITCHES THAT MONITOR VALVES AND SPRINKLER FLOWS ASSOCIATED WITH THE SPRINKLER SYSTEM DEDICATED TO THE MERCANTILE LIBRARY BUILDING SHALL REPORT ACCORDINGLY.
 - j. FIRE SUPPRESSION SYSTEM SHALL BE DESIGNED ACCORDING TO NFPA 13.
 - k. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THEIR OWN FLOW TEST INFORMATION.
 - l. PROVIDE STANDPIPES AND HOSE VALVE CONNECTIONS WHERE REQUIRED.
 - m. PROVIDE A FLOOR CONTROL VALVE, CHECK VALVE, MAIN DRAIN VALVE, AND FLOW SWITCH FOR ISOLATION, CONTROL, AND AN INDICATION OF WATER FLOW FOR EACH INDIVIDUAL FLOOR LEVEL.
 - n. RESIDENTIAL AND COMMON SPACES CAN BE DESIGNED AS LIGHT HAZARD OCCUPANCIES.
 - o. SERVICE AREAS AND MECHANICAL SPACES SHALL BE DESIGNED AS ORDINARY HAZARD GROUP 1 OCCUPANCIES.

5. MONITORING/DETECTION/NOTIFICATION
 - a. FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR ALL MONITORING AND ALARM DEVICES FOR THE SPRINKLER SYSTEM.
 - b. PROVIDE FLOW SWITCH AT THE SPRINKLER SYSTEM RISER.
 - c. PROVIDE TAMPER SWITCHES TO MONITOR ALL SPRINKLER CONTROL VALVES.
6. INTERIOR PIPING
 - a. WHERE ALLOWED BY CODE, PIPING CAN BE CPVC. THE PIPE SHALL BE RIGID CHLORINATED POLY(VINYL CHLORIDE) (CPVC), TYPE IV GRADE I, WITH A CELL CLASSIFICATION OF 2345 AS DEFINED IN ASTM D754. THE PRODUCT SHALL BE ORANGE IN COLOR, AND APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) FOR USE WITH POTABLE WATER. MATERIAL SHALL BE BLACK MASTER CPVC MATERIAL AS PROVIDED BY PENZON, INC. (FORMERLY THE BEE GOODRICH COMPANY). FITTINGS SHALL BE UL LISTED CPVC FITTINGS AND SHALL MEET ASTM F47 80 (80 THREADED), ASTM F47 80 (SOCKET), OR ASTM F48 80 (SOCKET) AS APPLICABLE, BY SPEARS MANUFACTURING CO. OR EQUIVALENT. SOLVENT CEMENTS SHALL BE THOSE REFERENCED IN GEORGE FISCHER HARVELL LLC INSTALLATION INSTRUCTIONS SUCH AS SPEARS FS 4 OR EQUIVALENT, WHICH MEET ASTM F568 AND ASTM F48, AND APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) FOR USE WITH POTABLE WATER. SOCKET TYPE JOINTS SHALL BE MADE USING THE ONE-STEP SOLVENT CEMENT JOINING METHOD IN ACCORDANCE WITH GEORGE FISCHER INSTALLATION INSTRUCTIONS.
 - b. WHERE CPVC PIPING IS NOT ALLOWED, PIPING SMALLER THAN 2" SHALL BE SCHEDULE 40 BLACK STEEL PIPE WITH CLASS 125 CAST IRON THREADED FITTINGS. PIPING LARGER THAN 2" SHALL BE SCHEDULE 10 BLACK STEEL PIPE WITH MECHANICAL GROOVED PIPE COUPLINGS (DOLL GROOVED TYPE). 2" PIPING CAN BE SCHEDULE 10 BLACK STEEL PIPE WITH CLASS 125 CAST IRON THREADED FITTINGS OR SCHEDULE 10 BLACK STEEL PIPE WITH MECHANICAL GROOVED PIPE COUPLINGS (DOLL GROOVED TYPE).
7. SPRINKLERS
 - a. SPRINKLERS IN FINISHED CEILING SHALL BE FULLY RECESSED WITH WHITE COVER PLATE.
 - b. SPRINKLERS IN AREAS WITH NO CEILING SHALL BE BRASS UPRIGHT OR BRASS PENDENT.
8. ADDITIONAL STOCK
 - a. PROVIDE 2 ADDITIONAL SPRINKLERS OF EACH TYPE, WRENCHES, SIGNAGE, ETC. AT PROJECT TURNOVER.
9. HANGERS & SUPPORTS
 - a. FURNISH ALL PIPE SUPPORTS REQUIRED FOR THEIR WORK. ALL PIPING SHALL BE SUPPORTED PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING.
10. ESCUTCHEON PLATES
 - a. INSTALL ONE-PIECE CHROME PLATED BRASS WALL PLATE EQUIPPED WITH SET SCREW AROUND ALL EXPOSED PIPE PASSING THROUGH WALLS IN FINISHED AREAS.
11. ACCESS PANELS
 - a. LOCATE VALVES IN READILY ACCESSIBLE LOCATIONS. WHERE VALVES SHALL BE INSTALLED ABOVE NON-ACCESSIBLE CEILING, PROVIDE ACCESS PANELS. ACCESS PANELS SHALL BE PAINTABLE METAL. COORDINATE ACCESS PANEL SIZES AND LOCATIONS WITH THE ARCHITECT.
12. FIRE STOPPING
 - a. PROVIDE FIRE STOPPING AT ALL PENETRATIONS THROUGH RATED SEPARATIONS PER LOCAL CODES & REGULATIONS & PER UL RECOMMENDATIONS FOR ASSEMBLIES ENCOUNTERED IN PROJECT.
 - b. FIRE STOPPING MATERIAL SHALL MAINTAIN THE INTEGRITY OF THE FIRE RATED WALL, FLOOR, CEILING OR ROOF BEING PENETRATED. REFER TO ARCHITECT'S DRAWINGS FOR WALL, FLOOR, CEILING & ROOF FIRE RATINGS PRIOR TO BIDDING WORK.
13. CATHODE PROTECTION
 - a. PROVIDE INELECTRIC INSULATION AT POINTS WHERE COPPER OR BRASS PIPE COMES IN CONTACT WITH FERROUS PIPING, REINFORCING STEEL, OR OTHER DISSIMILAR METAL IN STRUCTURE.
14. CUTTING AND PATCHING
 - a. CUT AND PATCH WALLS AND FLOORS TO MATCH BUILDING CONSTRUCTION WHERE REQUIRED TO INSTALL ALL FIRE SUPPRESSION WORK.
15. INSTALLATION
 - a. INSTALL PIPING FREE OF SAGS AND BENDS. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM BOARD PARTITIONS, AND CONCRETE FLOOR SLABS.
 - b. WHERE PIPING PASSES THROUGH CONCRETE WALLS, MASONRY WALLS, GYPSUM BOARD PARTITIONS, CONCRETE FLOORS, AND ROOF SLABS, OPENINGS SHALL BE CUT CLEAN AROUND THE PIPING WITH NOT MORE THAN 1/8" INCHES OF SPACE BETWEEN THE PIPING AND THE OPENING. PIPE SLEEVES WILL BE REQUIRED WHERE THERE IS MORE THAN 2" INCHES OF SPACE BETWEEN THE PIPE AND THE OPENING.
16. TESTING
 - a. ALL FIRE SUPPRESSION WORK SHALL BE TESTED & APPROVED BY INSPECTOR PRIOR TO BEING BACKFILLED, CONCRETE & PUT INTO SERVICE.
17. SHOP DRAWINGS
 - a. SUBMIT TO THE ARCHITECT PDF FILE COPIES OF COMPLETE A CERTIFIED SHOP DRAWINGS, DESCRIPTIVE DATA, PERFORMANCE DATA & RATINGS, DIAGRAMS AND SPECIFICATIONS ON ALL PIPING, DEVICES, AND EQUIPMENT, INCLUDING ACCESSORIES, AND MATERIALS FOR REVIEW.
 - b. THE MAKE, MODEL NUMBER, TYPE, FINISH & ACCESSORIES OF ALL EQUIPMENT AND MATERIALS SHALL BE SUBMITTED & APPROVED BY THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR & GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE ARCHITECT FOR REVIEW.
 - c. REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE FIRE SUPPRESSION/SPRINKLER CONTRACTOR/VENDOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS & APPLICABLE CODES.
18. OWNER'S INSTRUCTIONS
 - a. PROVIDE TWO SETS OF COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS WITH DRAWINGS, TYPEWRITTEN INSTRUCTIONS AND OPERATING SEQUENCES AND DESCRIBED DATA SHEETS, ASSEMBLE EACH SET IN A HARD-BOUND COVER.
19. WARRANTY
 - a. THE FIRE SUPPRESSION CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN EQUIPMENT, MATERIAL, AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND THE FIRE SUPPRESSION CONTRACTOR WILL REPAIR OR REPLACE DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE TO THE OWNER.
 - b. RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE EQUIPMENT, MATERIALS AND WORKMANSHIP.

FIRE PROTECTION GENERAL NOTES

INSTALL NEW SPRINKLER SYSTEM PER NFPA 13. COORDINATE WITH ARCHITECT'S CODE ANALYSIS. CONTACT ARCHITECT IF ANY DISCREPANCIES. REFERENCE ARCHITECTURAL PLANS FOR CEILING HEIGHTS AND MATERIALS.

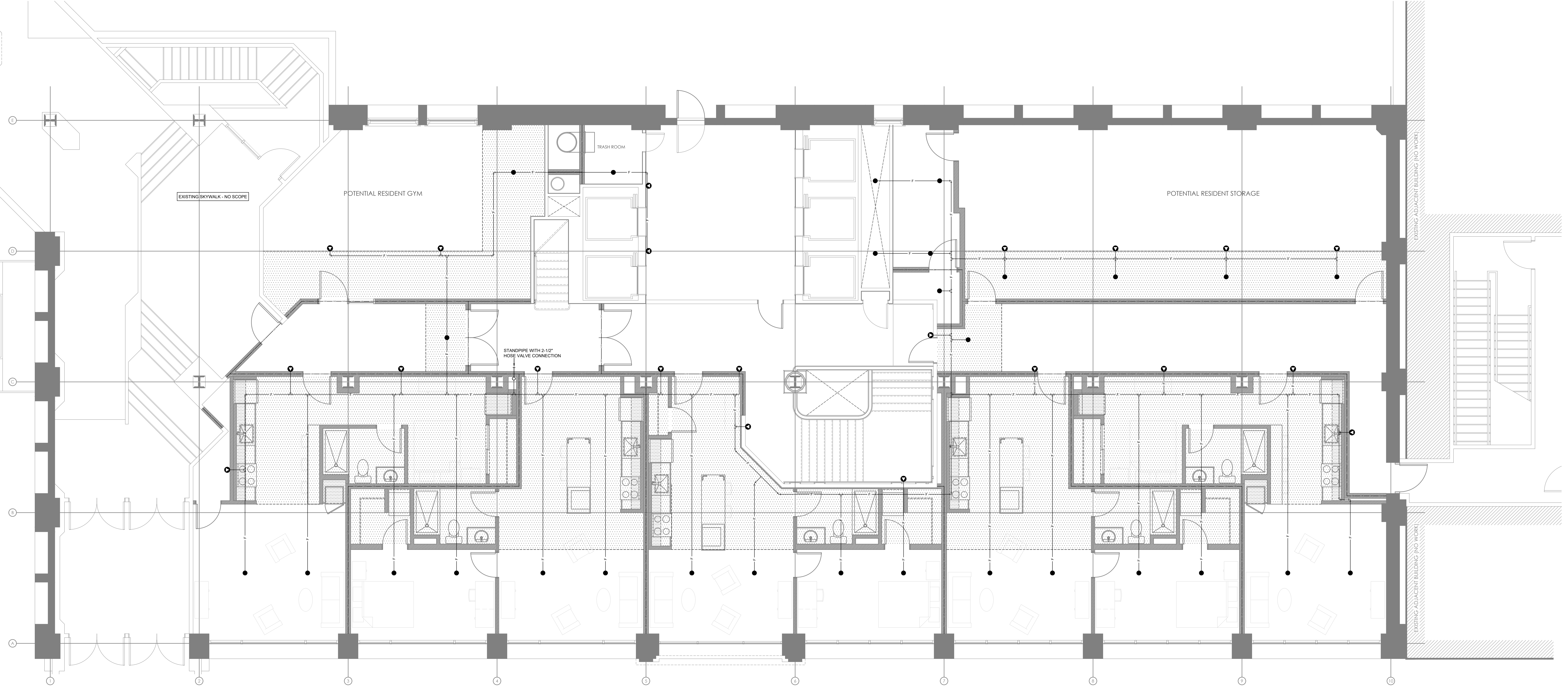
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| ○ | SIDEWALL SPRINKLER |
| □ | STANDPIPE WITH 2-1/2" HOSE VALVE CONNECTION |



FIRE PROTECTION SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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FIRE PROTECTION
 SECOND FLOOR
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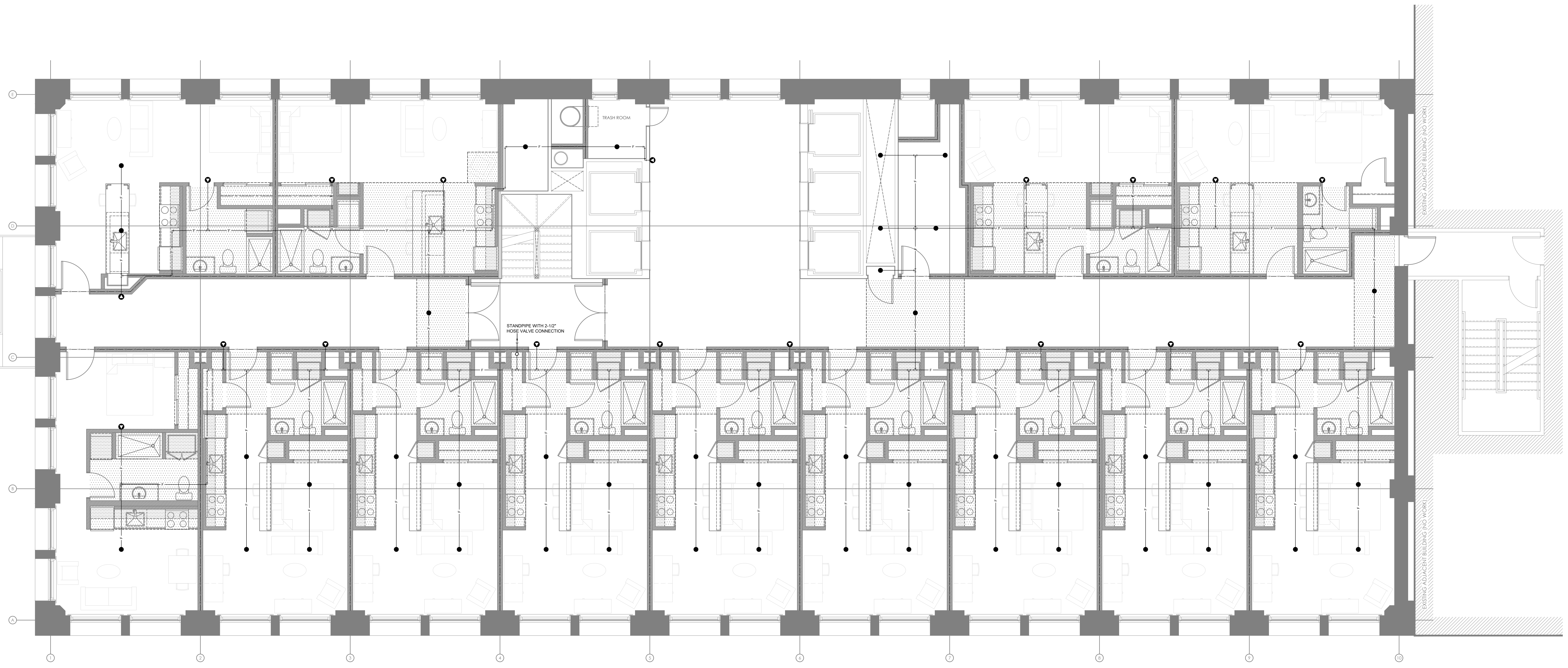
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F1.3 FIRE PROTECTION THIRD FLOOR PLAN
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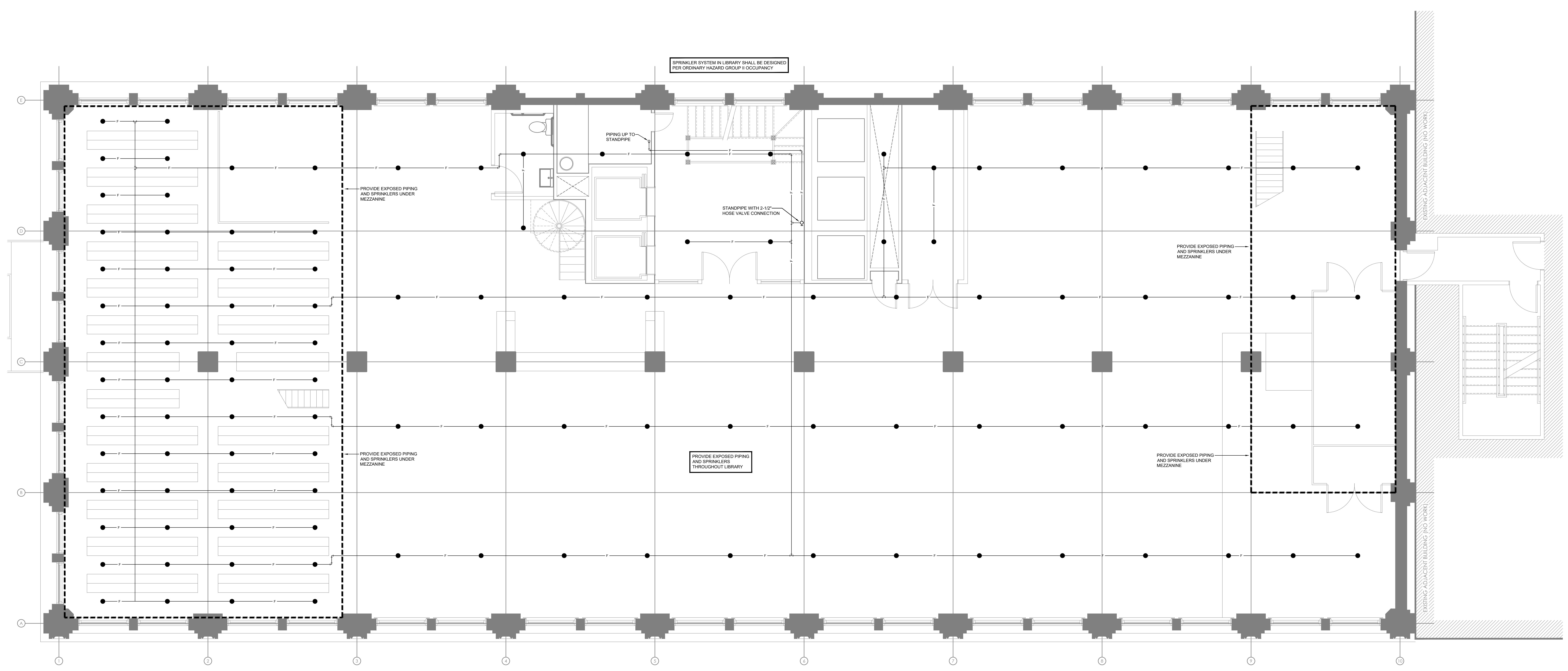
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