



# CHEMISTRY BUILDING

## 1ST FLOOR RENOVATION

FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

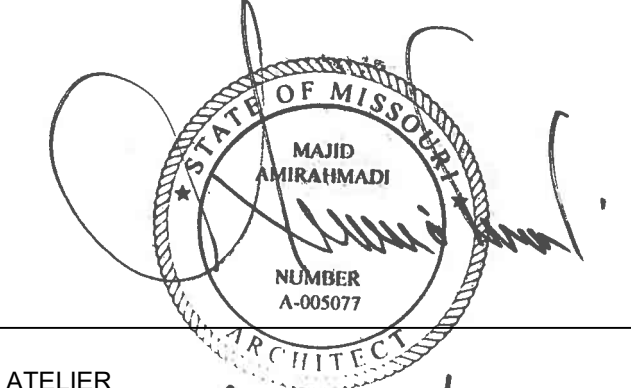
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09/26/2024

CP242331

**INTERNATIONAL ARCHITECTS ATELIER**

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MAJID AMIRAHMADI, AIA  
INTERNATIONAL ARCHITECTS ATELIER

09-26-2024

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MAJID AMIRAHMADI, AIA  
INTERNATIONAL ARCHITECTS ATELIER

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PHILLIP PARRA, PE  
IMEG CORP.

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BRUCE E. HART, PE  
IMEG CORP.

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**EXTERIOR ELEVATION MARKER:**

- SPOT ELEVATION
- PLAN NOTES
- DOOR TAG
- ROOM TAG
- ROOM NAME
- NORTH ARROW
- DEMO NOTES
- EQUIPMENT TAG
- WINDOW TAG: WINDOW NUMBER
- WINDOW TYPE, RE: A710
- REVISION TAG
- WALL TAG
- SPAN DIRECTION

**INTERIOR ELEVATION MARKER:**

- DRAWING NUMBER
- SHEET NUMBER
- DRAWING NUMBER
- SHEET NUMBER

**BUILDING SECTION MARKER:**

- DRAWING NUMBER
- SHEET NUMBER

**WALL SECTION MARKER:**

- DRAWING NUMBER
- SHEET NUMBER

**DETAIL SECTION MARKER:**

- DRAWING NUMBER
- SHEET NUMBER

**CALLOUT**

### ARCHITECTURAL SYMBOLS | G29

**ADDITIVE ALTERNATE #1:**  
RENOVATE THE WEST PORTION OF THE FIRST FLOOR OF THE INTERIOR LOBBY OF THE CHEMISTRY TEACHING ADDITION. THIS WORK CONSISTS OF LIMITED WALL PARTITION DEMOLITION, NEW FINISH INSTALLATION, LIGHTING AND DIFFUSER REPLACEMENT, LIMITED ADJUSTMENTS TO THE EXISTING SPRINKLER HEADS TO ADAPT TO NEW CEILING, AND REPLACEMENT OF CONCEALED SPRINKLER COVER PLATES. LIFE SAFETY SYSTEMS WILL BE REPLACED AND NEW POWER AND DATA OUTLETS WILL BE PROVIDED. ALL AS INDICATED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.

**ADDITIVE ALTERNATE #2:**  
RENOVATE THE EAST PORTION OF THE FIRST FLOOR OF THE INTERIOR LOBBY OF THE CHEMISTRY TEACHING ADDITION. THIS WORK CONSISTS OF NEW FINISH INSTALLATION, LIGHTING REPLACEMENT, LIMITED ADJUSTMENTS TO THE EXISTING SPRINKLER HEADS TO ADAPT TO NEW CEILING, AND REPLACEMENT OF CONCEALED SPRINKLER COVER PLATES. LIFE SAFETY SYSTEMS WILL BE REPLACED AND NEW POWER OUTLETS WILL BE PROVIDED. ALL AS INDICATED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.

**ADDITIVE ALTERNATE #3:**  
PROVIDE (2) TWO NEW CUSTOM CASEWORK ELEMENTS IN THE FIRST FLOOR OF THE INTERIOR LOBBY OF THE CHEMISTRY TEACHING ADDITION. ALL AS INDICATED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.

### ALTERNATES | B29

**SHEET INDEX - GENERAL**

G000	COVER SHEET
G001	GENERAL INFORMATION
G002	LIFE SAFETY PLAN / CODE ANALYSIS

**SHEET INDEX - ARCHITECTURAL**

D101	1ST FLOOR DEMOLITION PLAN - BASE BID
D101.1	1ST FLOOR DEMOLITION PLAN - ALTERNATES
D401	1ST FLOOR DEMOLITION CEILING PLAN - BASE BID
D401.1	1ST FLOOR DEMOLITION CEILING PLAN - ALTERNATES
D800	DEMOLITION PHOTOGRAPHS
D801	DEMOLITION PHOTOGRAPHS
A001	WALL TYPES
A101	1ST FLOOR PLAN - BASE BID
A101.1	1ST FLOOR PLAN - ALTERNATES
A401	1ST FLOOR CEILING PLAN - BASE BID
A401.1	1ST FLOOR CEILING PLAN - ALTERNATES
A420	CEILING DETAILS
A600	FINISH SCHEDULE & BASE BID INTERIOR ELEVATIONS
A601	BASE BID INTERIOR ELEVATIONS & DETAILS
A602	ALTERNATES INTERIOR ELEVATIONS & DETAILS
A603	INTERIOR DETAILS
A610	BASE BID CASEWORK PLAN & DETAILS
A611	BASE BID CASEWORK ELEVATIONS
A612	BASE BID CASEWORK PLAN & DETAILS
A613	BASE BID CASEWORK DETAILS
A614	ALTERNATE #3 CASEWORK DETAILS
A615	ALTERNATE #3 CASEWORK DETAILS
A700	DOOR SCHEDULE & TYPES

**SHEET INDEX - PLUMBING & MECHANICAL**

M000	HVAC COVERSHEET
ME200	BASEMENT PLANS - VENTILATION AND ELECTRICAL
P101	LEVEL 01 DEMOLITION PLAN - PLUMBING
P201	LEVEL 01 PLAN - PLUMBING
P201.1	LEVEL 01 PLAN - PLUMBING - ALTERNATES
M101	LEVEL 01 DEMOLITION PLAN - PIPING
M111	LEVEL 01 DEMOLITION PLAN - VENTILATION
M111.1	LEVEL 01 DEMOLITION PLAN - VENTILATION - ALTERNATES
M211	LEVEL 01 PLAN - VENTILATION
M211.1	LEVEL 01 PLAN - VENTILATION - ALTERNATES
M400	HVAC DETAILS
M401	TEMPERATURE CONTROL DETAILS
ME600	PLUMB. & VENT. SCHEDULES

**SHEET INDEX - ELECTRICAL**

E000	ELECTRICAL COVERSHEET
E101	LEVEL 01 DEMOLITION PLAN - LIGHTING
E101.1	LEVEL 01 DEMOLITION PLAN - LIGHTING - ALTERNATES
E111	LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS
E111.1	LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS - ALTERNATES
E201	LEVEL 01 PLAN - LIGHTING
E201.1	LEVEL 01 PLAN - LIGHTING - ALTERNATES
E211	LEVEL 01 PLAN - POWER AND SYSTEMS
E211.1	LEVEL 01 PLAN - POWER AND SYSTEMS - ALTERNATES
E400	ELECTRICAL DETAILS
E600	ELECTRICAL SCHEDULES

### SHEET INDEX | Y19

**DEFERRED SUBMITTAL ITEMS:**

DIGITAL, ADDRESSABLE FIRE ALARM SYSTEMS, RE: 283111  
WET-PIPE SPRINKLER SYSTEMS, RE: 211313

**SPECIAL INSPECTIONS:**

MINIMAL CLEARANCE OF INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT, INCLUDING DUCT WORK, PIPING SYSTEMS, AND THEIR STRUCTURAL SUPPORTS AS REQUIRED BY SECTION 13.2.3 ASC/SEI 7.

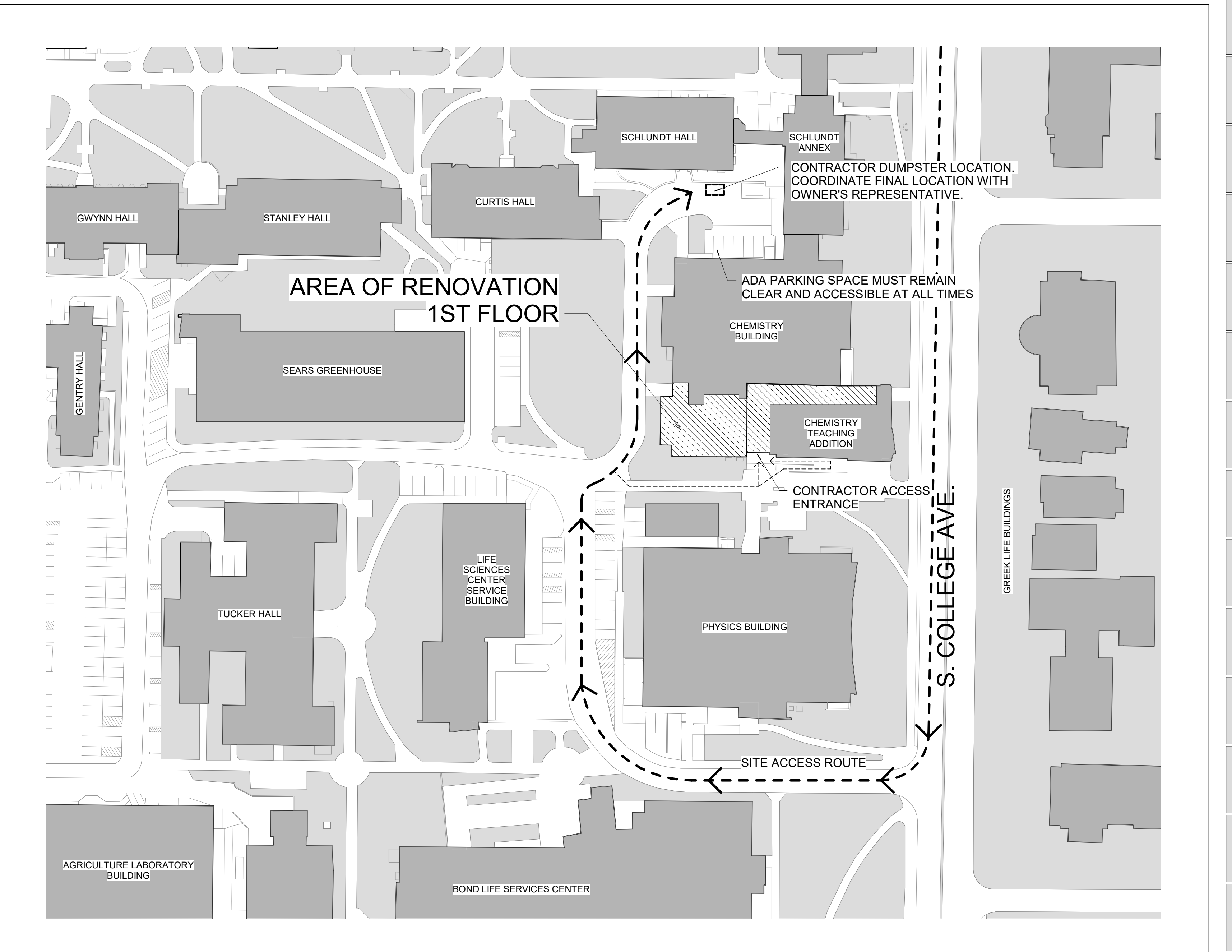
### DEFERRED SUB. & SPECIAL INSPECTIONS | V19

- ALL WORK SHALL COMPLY WITH FEDERALLY MANDATED ADA, ALL APPLICABLE CODES, AND STANDARDS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND DRAWINGS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION. ALL DIMENSIONS OF EXISTING CONSTRUCTION ARE TO PROVIDE THE CONTRACTOR WITH APPROXIMATE SIZES AND ARE NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL USE EXTREME CARE AND TAKE PRECAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE EXISTING ADJACENT FACILITIES. ANY DAMAGE DONE TO EXISTING FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL DIMENSIONS ARE NOMINAL, AND ARE FINISH TO FINISH OR FACE UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, CONTRACTOR SHALL PATCH OR REPAIR, PAINT OR RESTORE AND REFINISH (AS APPLIES) ALL ADJACENT SURFACES AFFECTED BY NEW CONSTRUCTION OR DEMOLITION.
- CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS, COORDINATE DUMPSTER LOCATION AND ACCESS WITH THE OWNER AS REQUIRED.
- SHOULD ANY DOUBT OR QUESTION ARISE WITH RESPECT TO THE TRUE MEANING OF THE DRAWINGS OR SPECIFICATIONS, REFERENCE SHALL BE MADE TO THE ARCHITECT WHOSE DECISIONS THEREON SHALL BE FINAL AND CONCLUSIVE.
- CONTRACTOR SHALL NOT ENGAGE IN ANY ACTIVITY WHICH MAY ENDANGER THE PUBLIC.
- CONTRACTOR IS REQUIRED, PRIOR TO THE START OF CONSTRUCTION, TO SURVEY THE AREAS WHICH WOULD BE AFFECTED BY THE CONSTRUCTION FOR DOCUMENTATION OF EXISTING DAMAGES.
- CONTRACTOR IS ALLOWED TO STORE MATERIALS ONLY IN DESIGNATED LOCATIONS AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR IS REQUIRED TO PROVIDE EQUIPMENT AND TOOLS REQUIRED OR NECESSARY FOR THE OWNER, ARCHITECT, AND ENGINEER TO REVIEW THE CONSTRUCTION IN PROGRESS AND DURING INSPECTIONS.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND PROTECT THE REQUIRED FIRE EXITS AND ROUTE TO THOSE EXITS AT ALL TIMES.
- THE BUILDING WILL BE OCCUPIED DURING THE CONSTRUCTION PERIOD AND ANY DISRUPTION TO NORMAL BUILDING OPERATIONS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTS DURING THE CONSTRUCTION OF THE PROJECT AS REQUIRED FOR THE SAFETY AND SECURITY OF THE PUBLIC FOR ALL AREAS AFFECTED BY CONSTRUCTION AS REQUIRED TO ACHIEVE MIN 1/2 FOOT CANDLE LIGHT LEVEL.
- ALL FURNITURE AND EQUIPMENT NOT NOTED TO BE REMOVED BY CONTRACTOR ARE TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.

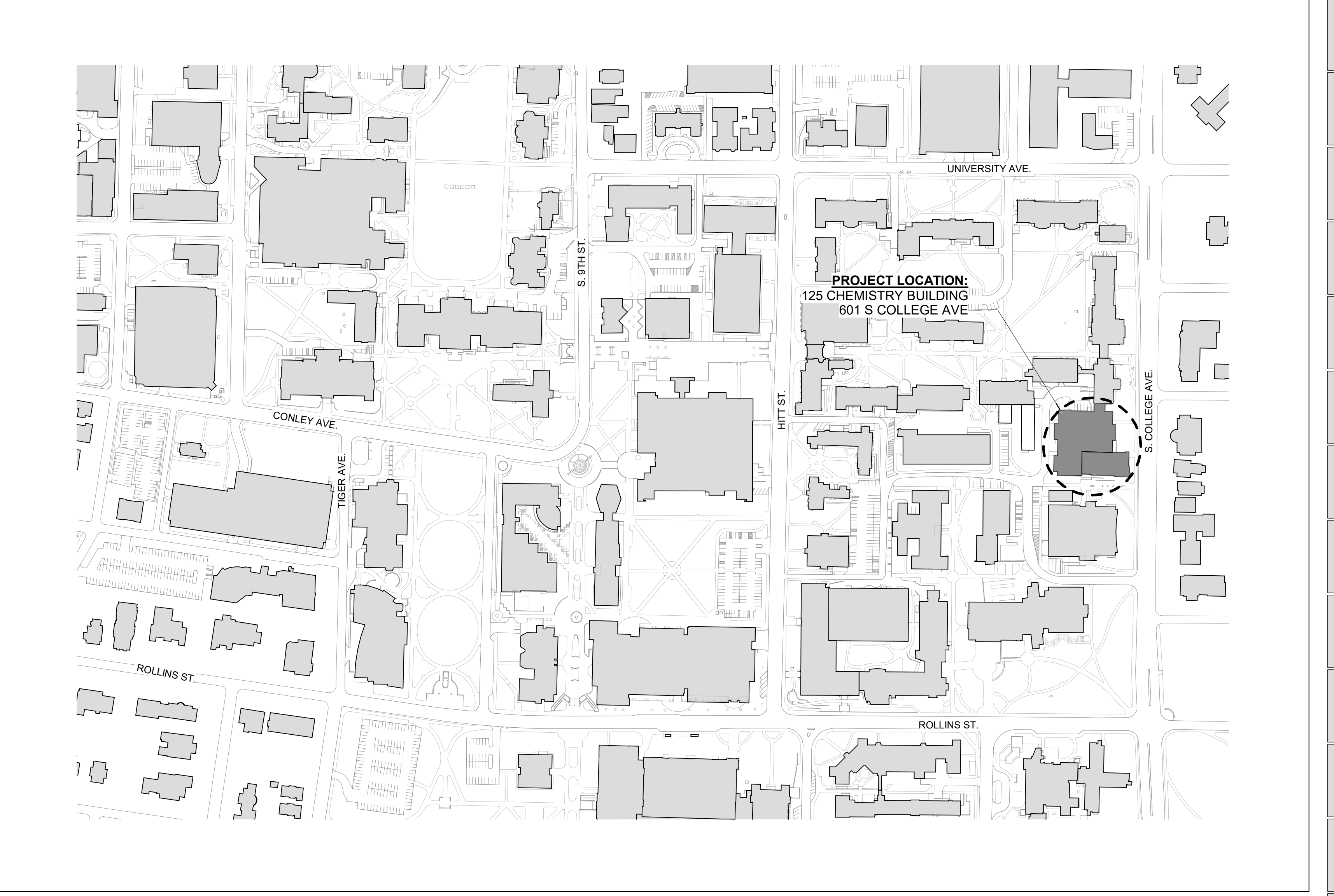
### GENERAL NOTES | M19

- PRIOR TO COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND MAKE PROVISION THAT NO INTERRUPTION OF SERVICES OCCUR TO OTHER BUILDING TENANTS. COORDINATE ANY SERVICE INTERRUPTIONS WITH OWNER.
- ALL MATERIALS NOT REQUIRED TO BE REMOVED FOR THE EXECUTION OF THE PROJECT SHALL BE LEFT IN PLACE AND PROTECTED FROM DAMAGE DURING DEMOLITION. ANY ITEMS DAMAGED DURING DEMOLITION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITIONS OF ITEMS TO BE DEMOLISHED.
- CUT AND REMOVE/REPLACE ALL PORTIONS OF EXISTING CONSTRUCTION AS REQUIRED TO ALLOW ACCESS TO ITEMS NOTED FOR DEMOLITION AND FOR PROPER INSTALLATION OF NEW CONSTRUCTION.
- AT ANY TIME DURING DEMOLITION, IF ANY CONTRACTOR DISCOVERS HAZARDOUS MATERIALS, STOP WORK AND NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY.
- LEAVE ALL MAJOR STRUCTURAL COLUMNS AND BEAMS UNDISTURBED. CONTRACTOR SHALL SURVEY THE CONDITION OF THE BUILDING TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE REMAINING. IF ANY SUCH CONDITION EXISTS, OR RESULTS DURING THE PROCESS OF DEMOLITION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND ARCHITECT IMMEDIATELY.
- ALL DASHED LINES ON DRAWINGS INDICATE ITEMS TO BE REMOVED, UNLESS NOTED OTHERWISE.
- ALL DEMOLITION MUST REMAIN INSIDE CONSTRUCTION LIMITS, UNLESS NOTED OTHERWISE.
- RETAIN AND PROTECT ALL SALVAGEABLE MATERIALS SELECTED BY OWNER AND ARCHITECT FOR REUSE ELSEWHERE. CONTRACTOR SHALL CATALOG ALL MATERIAL REMOVED FOR SALVAGE WITH ORIGINAL LOCATION AND LOCATION OF STORAGE. ALL SALVAGED MATERIALS SHALL BE CLEANED AND STORED IN A DRY PLACE ON THE SITE, ELEVATED OFF THE GROUND WITH ADEQUATE AIR FLOW AND PROTECTION FROM THE WEATHER AS NECESSARY.
- NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN/ADJOINING CONSTRUCTION.
- CONTRACTORS SHALL COMPLETELY REMOVE ALL DEMOLISHED MATERIALS FROM SITE. ALL DEMOLISHED MATERIALS WILL BECOME PROPERTY OF THE CONTRACTOR UNLESS THEY ARE TO BE REUSED, OR AS OTHERWISE NOTED OR INSTRUCTED, AND TO BE DISPOSED OF LEGALLY. REMOVE DEBRIS, RUBBISH, AND OTHER MATERIALS DAILY FROM CONSTRUCTION SITE.
- CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK REQUIRED FOR ONE TRADE WITH OTHER TRADES THAT WILL BE AFFECTED BY THAT WORK.

### GENERAL DEMOLITION NOTES | B19



### SITE ACCESS / STAGING PLAN | Q1



### VICINITY PLAN | B1

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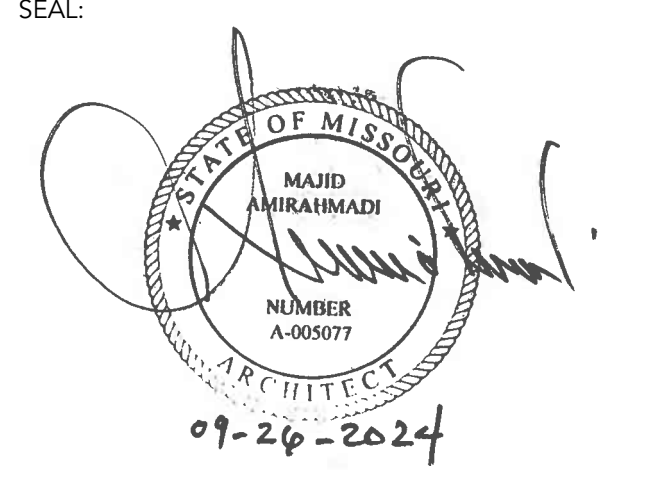


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

## CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION  
125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: AA, IC  
DRAWN BY: IC  
CHECKED BY: AA  
APPROVED BY: MA



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NO.	REVISION	SUBMISSION	DATE
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### GENERAL INFORMATION

## G001

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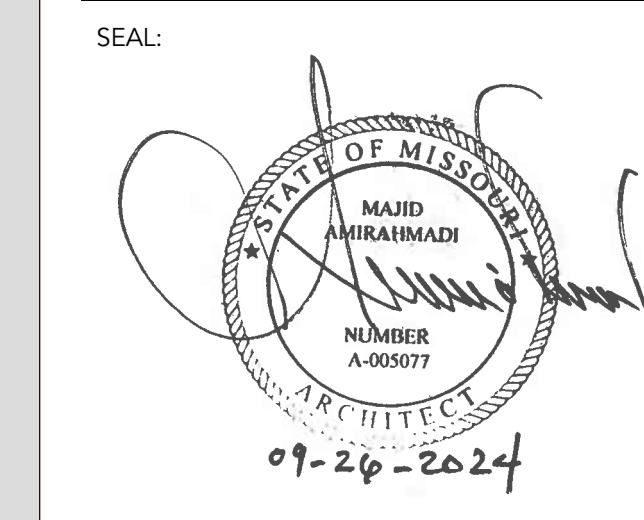
FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

## CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE:	09/26/2024
PROJ. NO.:	CP242331
DESIGNED BY:	AA, IC
DRAWN BY:	IC
CHECKED BY:	AA
APPROVED BY:	MA



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LIFE SAFETY PLAN / CODE ANALYSIS

# G002

### LIFE SAFETY LEGEND

(X)	OCCUPANTS PER ROOM	(Grey Box)	NOT IN CONTRACT
STR. DR.	STR. = STAIR WIDTH / DR. = DOOR WIDTH	---	EGRESS TRAVEL PATH
'X' 'X'	OCCUPANCY	---	INDICATES 1-HOUR FIRE RESISTIVE CONSTRUCTION
'X' 'X'	REQUIRED EXIT WIDTH (INCHES)	---	INDICATES 2-HOUR FIRE RESISTIVE CONSTRUCTION
'X' 'X'	PROVIDED EXIT WIDTH (INCHES)	---	INDICATES 3-HOUR FIRE RESISTIVE CONSTRUCTION
△	INDICATES POINT OF EGRESS ACCESS	---	INDICATES 4-HOUR FIRE RESISTIVE CONSTRUCTION
▲	INDICATES POINT OF EGRESS DISCHARGE	---	INDICATES LOCATION OF FIRE EXTINGUISHER CABINET
*	INDICATES LOCATION OF FIRE EXTINGUISHER CABINET		

### Applicable Codes:

2021 International Building Code (IBC)	2021 International Existing Building Code (IEBC), Level 2 Alteration
2021 International Plumbing Code (IPC)	2021 International Mechanical Code (IMC)
2021 International Fire Code	2020 National Electrical Code (NFPA 70 NEC)
2022 National Fire Alarm Code (NFPA 72)	2019 Energy Standard for Buildings (ASHRAE 90.1)
2010 ADA Standards of Accessible Design	2017 Accessible and Usable Buildings and Facilities (ICC A117.1)
University of Missouri Consultant Procedures and Design Guidelines	

### Work Area:

Basement:	0 sq ft Work Area / 6,750 sq ft Level Area = 0%
Ground Floor:	0 sq ft Work Area / 24,890 sq ft Level Area = 0%
First Floor:	7,283 sq ft Work Area / 31,190 sq ft Level Area = 23.3%
Second Floor:	0 sq ft Work Area / 30,180 sq ft Level Area = 0%
Third Floor:	0 sq ft Work Area / 32,310 sq ft Level Area = 0%
Total:	7,283 sq ft Work Area / 125,320 sq ft Level Area = 5.8% Work to Building Area

### Occupancy:

Type II-B

### Risk Category:

III

### Seismic Design Category:

C

### Site Classification:

D

### Building Height (Stories):

4 Stories above Grade Plane

### Allowable Building Height:

4 Stories above Grade Plane (IBC Table 504.4)

### Building Height:

68'-9" above Grade Plane

### Allowable Building Height:

75'-0" above Grade Plane (IBC Table 504.3)

### Building Area:

Basement - Approx.	6,750 gross square feet
Ground Floor - Approx.	24,890 gross square feet
First Floor - Approx.	31,190 gross square feet
Second Floor - Approx.	30,180 gross square feet
Third Floor - Approx.	32,310 gross square feet

### Allowable Building Area:

69,000 gross square feet per story (IBC Table 506.2)

### Mixed Use Group Approach:

Non-Separated (IBC 508.3)

### Passive Fire Resistive Requirements:

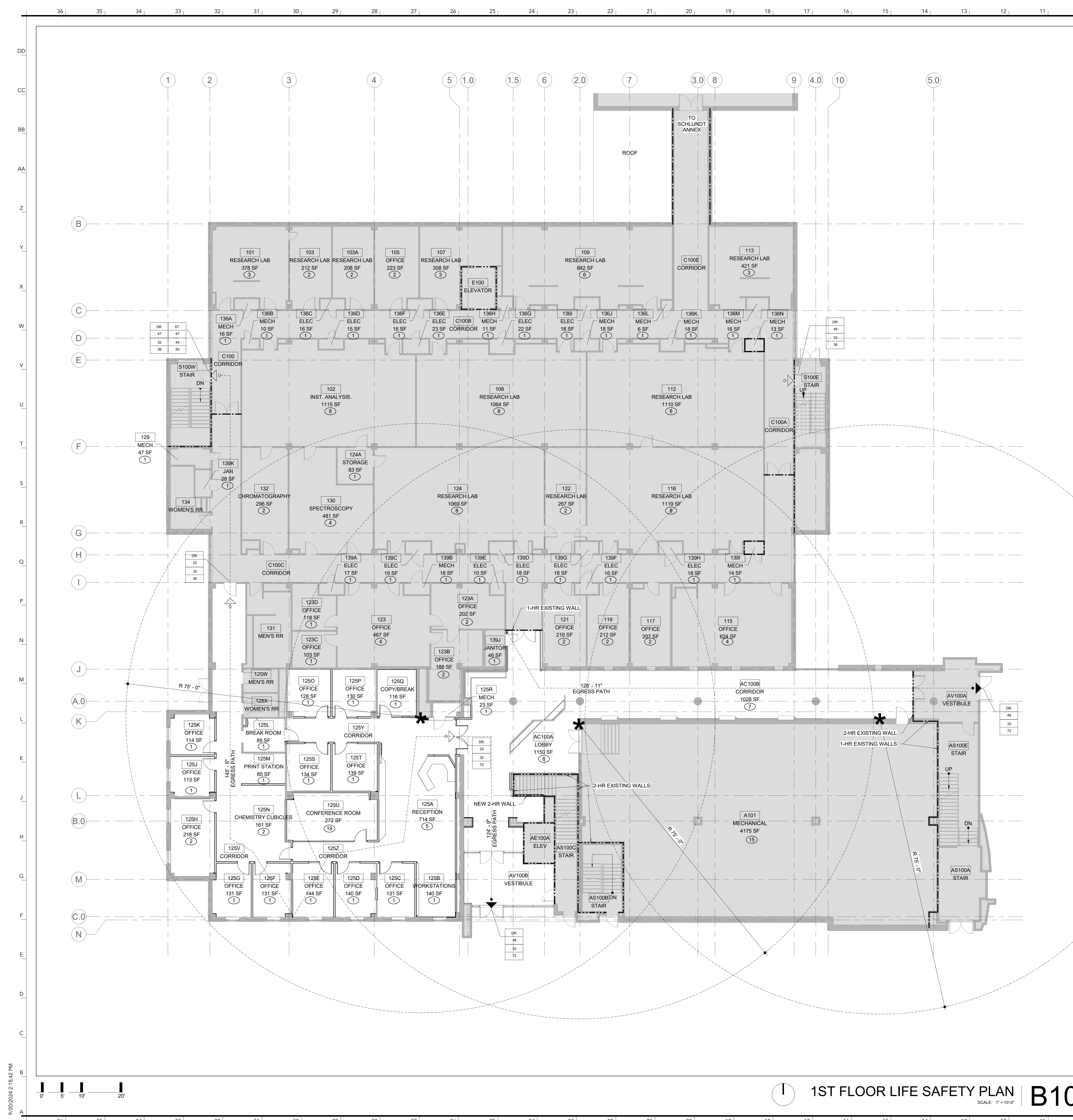
Exterior Bearing Walls	0-hour (IBC Table 601)
Interior Bearing Walls	0-hour (IBC Table 601)
Exterior Non-Bearing Walls	1-hour, less than 10 feet fire separation distance (IBC Table 705.5)
Interior Non-Bearing Walls	0-hour (IBC Table 601)
Structural Frame	0-hour (IBC Table 601)
Floors	0-hour (IBC Table 601)
Roof	0-hour (IBC Table 601)
Shaft Enclosures & Exit Stair Enclosures	2-hour, four stories or more (IBC 713.4 & Table 716.1)
Corridors	1-hour, three stories or less (IBC 713.4 & Table 716.1)
Interior Finishes (IBC Table 803.13)	0-hour (IBC Table 1020.2)

### Active Fire Protection:

Automatic Sprinkler System	Provided
Fire Extinguishers	Required (IBC 906.1)
Fire Alarm	Existing in Building, Required in Work Area (IBC 907.2 and IIBC 803.4.2)

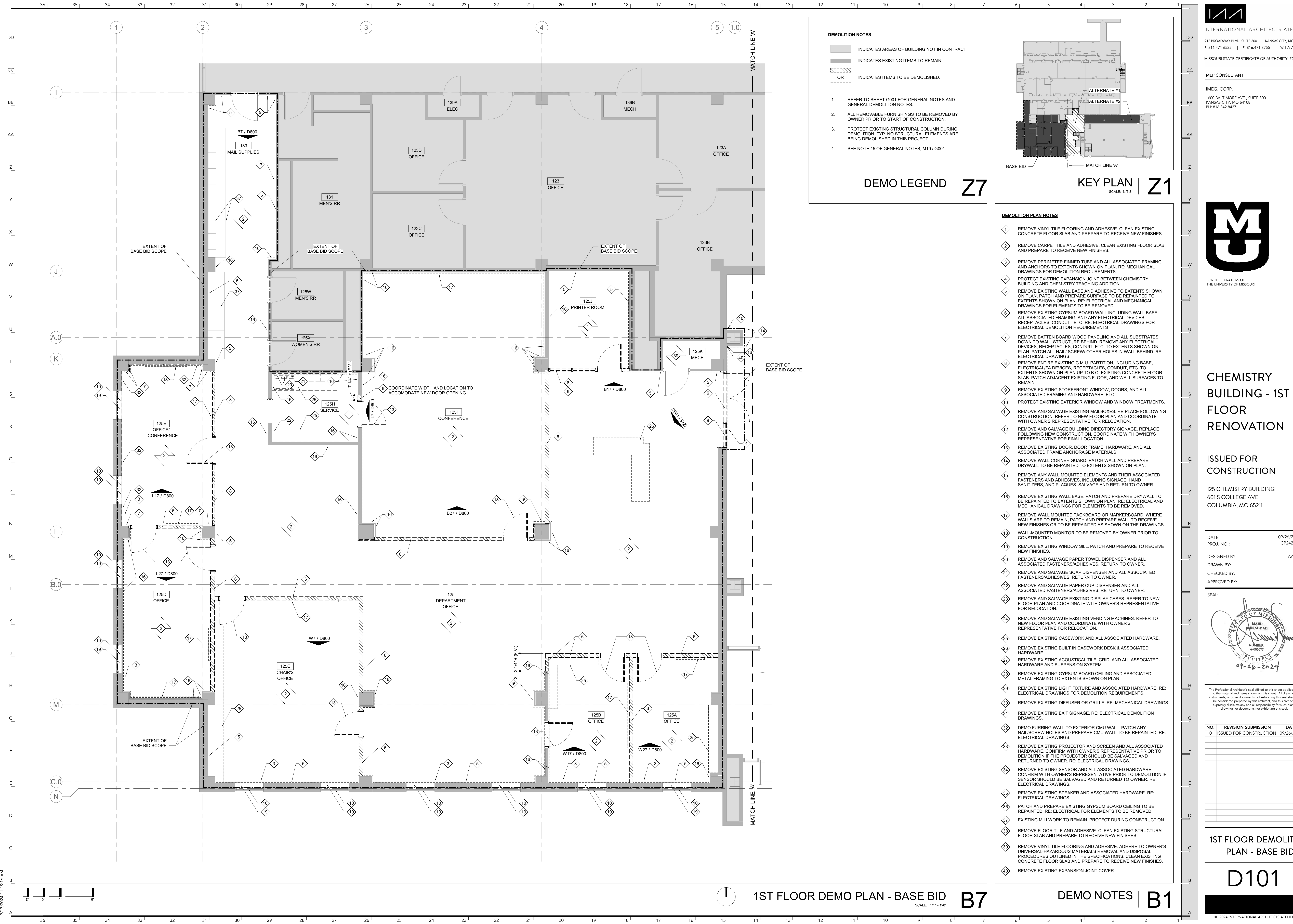
### Egress:

Stairs - Exit Width	0.2 inches per person (IBC 1005.3.1, Exception 1)
Doors - Exit Width	44 inches minimum (IBC 1011.2)
Corridors - Exit Width	0.15 inches per person (IBC 1005.3.2, Exception 1)
Common Path of Egress Travel	32 inches minimum clear width (IBC 1010.1.1)
Exit Access Travel Distance	44 inches minimum (IBC 1020.2)
Exit Access Travel Distance	B: 100 feet (IBC Table 1006.2.1)
Dead End Corridors	B: 50 feet (IBC 1020.5, Exception 2 and IIBC 804.7, Exception 1)
Number of Exits Required from Spaces	B: 300 feet (IBC Table 1017.2)
Number of Exits Required from Stories	2 from each space when (greater than) 49 people or common path of travel exceeds 100 feet (IBC Table 1006.2.1)
Emergency Power:	2 exits from each story with occupant load 1-500 people (IBC Table 1006.3.3)
Exit Signs (IBC 1013)	Required
Emergency Lighting (IBC 1008)	Required at means of egress (IBC 1008.2 and 1008.3)
Plumbing Fixtures:	Existing plumbing fixture counts to remain and are not required to be increased due to change in occupancy load not being increased more than 20% (IEBC 1009.1, Exception)



1ST FLOOR LIFE SAFETY PLAN B10

LIFE SAFETY / CODE ANALYSIS B1



INTERNATIONAL ARCHITECTS ATELIER

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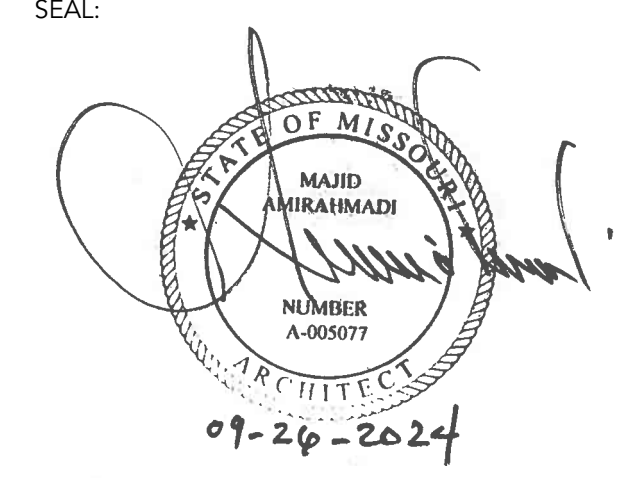
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125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
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DESIGNED BY: AA, IC  
DRAWN BY: IC  
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## 1ST FLOOR DEMOLITION PLAN - BASE BID

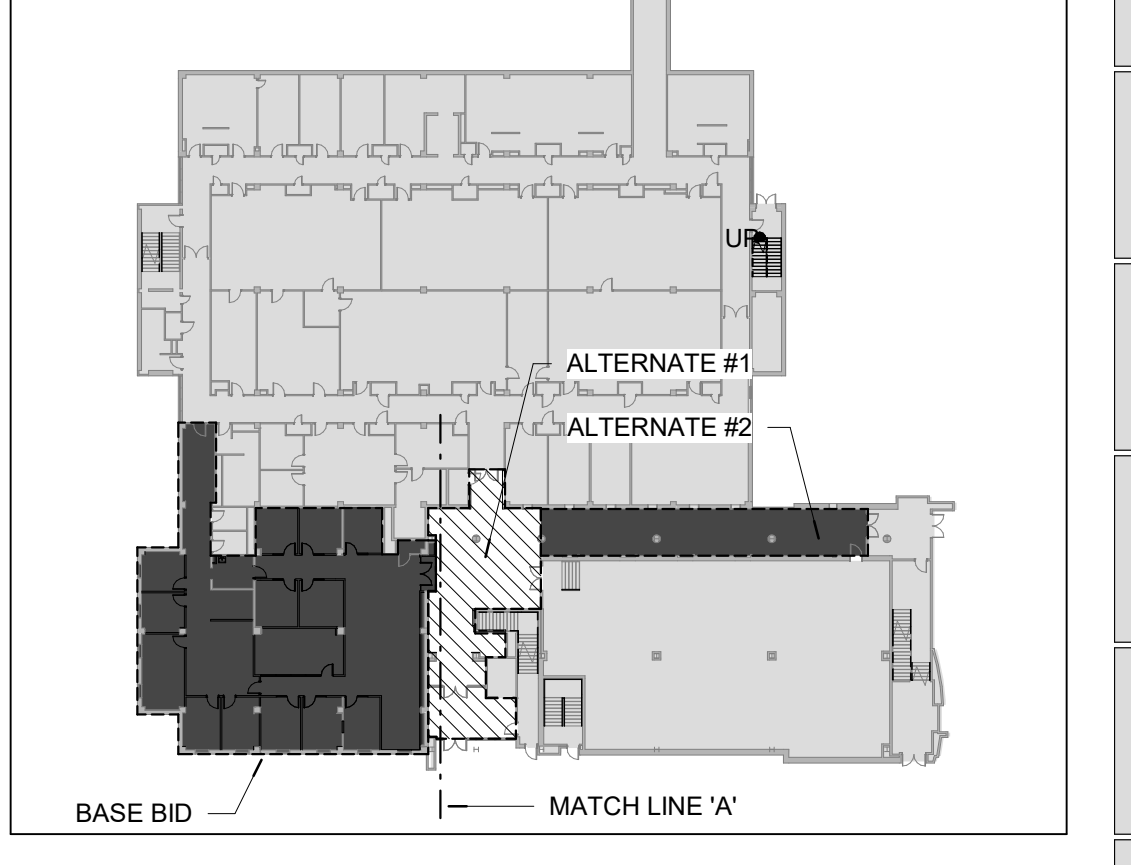
D101

### DEMOLITION NOTES

- INDICATES AREAS OF BUILDING NOT IN CONTRACT
- INDICATES EXISTING ITEMS TO REMAIN.
- OR  
INDICATES ITEMS TO BE DEMOLISHED.

- REFER TO SHEET G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
- ALL REMOVABLE FURNISHINGS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
- PROTECT EXISTING STRUCTURAL COLUMN DURING DEMOLITION. TYP. NO STRUCTURAL ELEMENTS ARE BEING DEMOLISHED IN THIS PROJECT.
- SEE NOTE 15 OF GENERAL NOTES, M19 / G001.

DEMO LEGEND | **Z7**



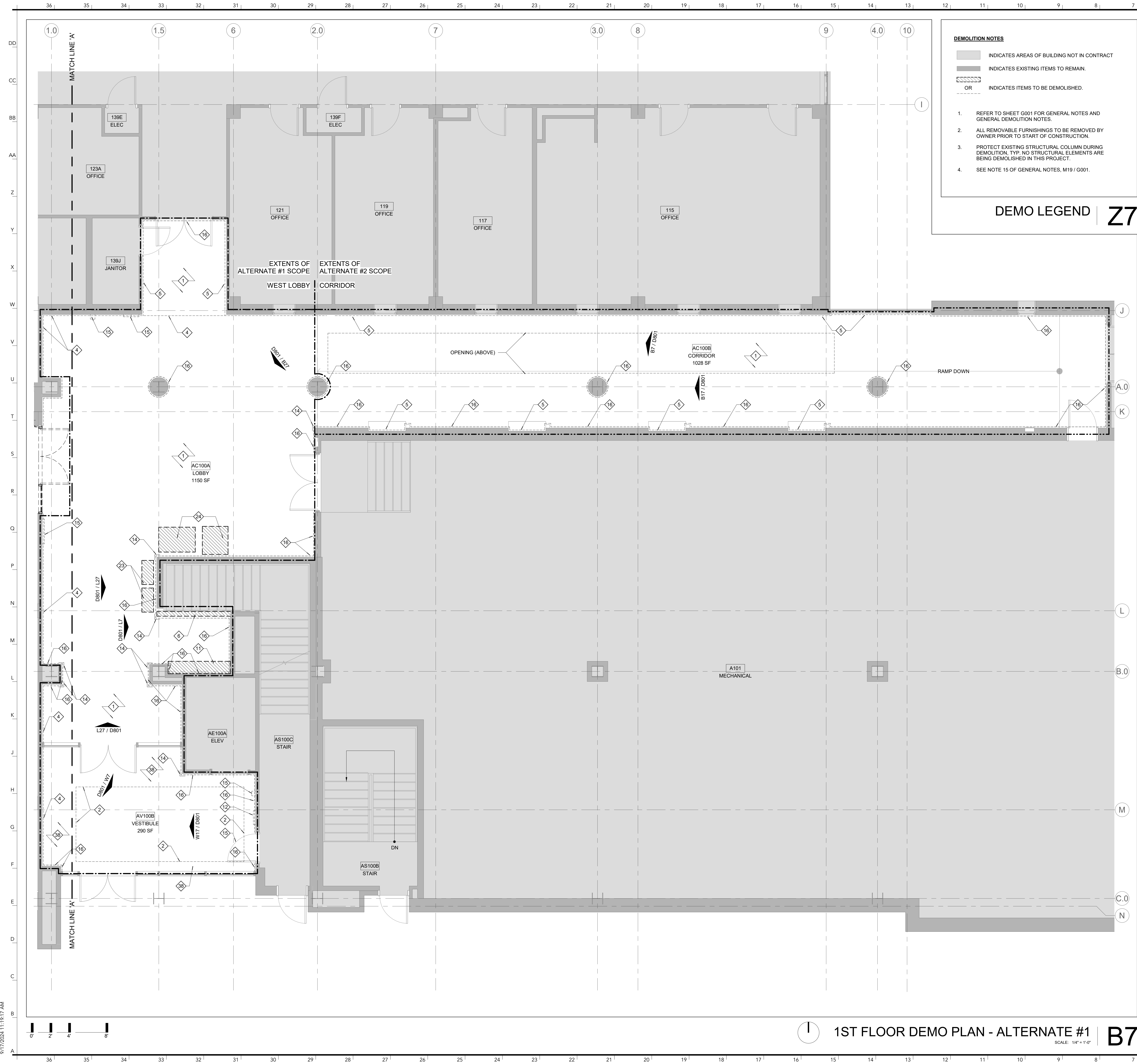
KEY PLAN | **Z1**  
SCALE: N.T.S.

### DEMOLITION PLAN NOTES

- REMOVE VINYL TILE FLOORING AND ADHESIVE. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- REMOVE CARPET TILE AND ADHESIVE. CLEAN EXISTING FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- REMOVE PERIMETER FINNED TUBE AND ALL ASSOCIATED FRAMING AND ANCHORS TO EXTENTS SHOWN ON PLAN. RE: MECHANICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
- PROTECT EXISTING EXPANSION JOINT BETWEEN CHEMISTRY BUILDING AND CHEMISTRY TEACHING ADDITION.
- REMOVE EXISTING WALL BASE AND ADHESIVE TO EXTENTS SHOWN ON PLAN. PATCH AND PREPARE SURFACE TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
- REMOVE EXISTING GYPSUM BOARD WALL INCLUDING WALL BASE. ALL ASSOCIATED FRAMING, AND ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. RE: ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS.
- REMOVE BATTEN BOARD WOOD PANELING AND ALL SUBSTRATES DOWN TO WALL STRUCTURE BEHIND. REMOVE ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN. PATCH ALL NAIL / SCREW / OTHER HOLES IN WALL BEHIND. RE: ELECTRICAL DRAWINGS.
- REMOVE ENTIRE EXISTING C.M.U. PARTITION, INCLUDING BASE. ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN UP TO B.O. EXISTING CONCRETE FLOOR SLAB. PATCH ADJACENT EXISTING FLOOR AND WALL SURFACES TO REMAIN.
- REMOVE EXISTING STOREFRONT WINDOW, DOORS, AND ALL ASSOCIATED FRAMING AND HARDWARE, ETC.
- PROTECT EXISTING EXTERIOR WINDOW AND WINDOW TREATMENTS.
- REMOVE AND SALVAGE EXISTING MAIL BOXES. RE-PLACE FOLLOWING CONSTRUCTION. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- REMOVE AND SALVAGE BUILDING DIRECTORY SIGNAGE. REPLACE FOLLOWING NEW CONSTRUCTION. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL LOCATION.
- REMOVE EXISTING DOOR, DOOR FRAME, HARDWARE, AND ALL ASSOCIATED FRAME ANCHORAGE MATERIALS.
- REMOVE WALL CORNER GUARD. PATCH WALL AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN.
- REMOVE ANY WALL MOUNTED ELEMENTS AND THEIR ASSOCIATED FASTENERS AND ADHESIVES, INCLUDING SIGNAGE, HAND SANITIZERS, AND PLAQUES. SALVAGE AND RETURN TO OWNER.
- REMOVE EXISTING WALL BASE. PATCH AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
- REMOVE WALL MOUNTED TACKBOARD OR MARKERBOARD, WHERE WALLS ARE TO REMAIN. PATCH AND PREPARE WALL TO RECEIVE NEW FINISHES OR TO BE REPAINTED AS SHOWN ON THE DRAWINGS.
- WALL-MOUNTED MONITOR TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
- REMOVE EXISTING WINDOW SILL. PATCH AND PREPARE TO RECEIVE NEW FINISHES.
- REMOVE AND SALVAGE PAPER TOWEL DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
- REMOVE AND SALVAGE SOAP DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
- REMOVE AND SALVAGE PAPER CUP DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
- REMOVE AND SALVAGE EXISTING DISPLAY CASES. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- REMOVE AND SALVAGE EXISTING VENDING MACHINES. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- REMOVE EXISTING CASEWORK AND ALL ASSOCIATED HARDWARE.
- REMOVE EXISTING BUILT IN CASEWORK DESK & ASSOCIATED HARDWARE AND SUSPENSION SYSTEM.
- REMOVE EXISTING ACOUSTICAL TILE, GRID, AND ALL ASSOCIATED HARDWARE AND SUSPENSION SYSTEM.
- REMOVE EXISTING GYPSUM BOARD CEILING AND ASSOCIATED METAL FRAMING TO EXTENTS SHOWN ON PLAN.
- REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
- REMOVE EXISTING DIFFUSER OR GRILLE. RE: MECHANICAL DRAWINGS.
- REMOVE EXISTING EXIT SIGNAGE. RE: ELECTRICAL DEMOLITION DRAWINGS.
- DEMO FURRING WALL TO EXTERIOR CMU WALL. PATCH ANY NAIL/SCREW HOLES AND PREPARE CMU WALL TO BE REPAINTED. RE: ELECTRICAL DRAWINGS.
- REMOVE EXISTING PROJECTOR AND SCREEN AND ALL ASSOCIATED HARDWARE. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION IF THE PROJECTOR SHOULD BE SALVAGED AND RETURNED TO OWNER. RE: ELECTRICAL DRAWINGS.
- REMOVE EXISTING SENSOR AND ALL ASSOCIATED HARDWARE. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION IF SENSOR SHOULD BE SALVAGED AND RETURNED TO OWNER. RE: ELECTRICAL DRAWINGS.
- REMOVE EXISTING SPEAKER AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS.
- PATCH AND PREPARE EXISTING GYPSUM BOARD CEILING TO BE REPAINTED. RE: ELECTRICAL FOR ELEMENTS TO BE REMOVED.
- EXISTING MILLWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
- REMOVE FLOOR TILE AND ADHESIVE. CLEAN EXISTING STRUCTURAL FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- REMOVE VINYL TILE FLOORING AND ADHESIVE. ADHERE TO OWNER'S UNIVERSAL-HAZARDOUS MATERIALS REMOVAL AND DISPOSAL PROCEDURES OUTLINED IN THE SPECIFICATIONS. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- REMOVE EXISTING EXPANSION JOINT COVER.

1ST FLOOR DEMO PLAN - BASE BID | **B7**  
SCALE: 1/8" = 1'-0"

DEMO NOTES | **B1**

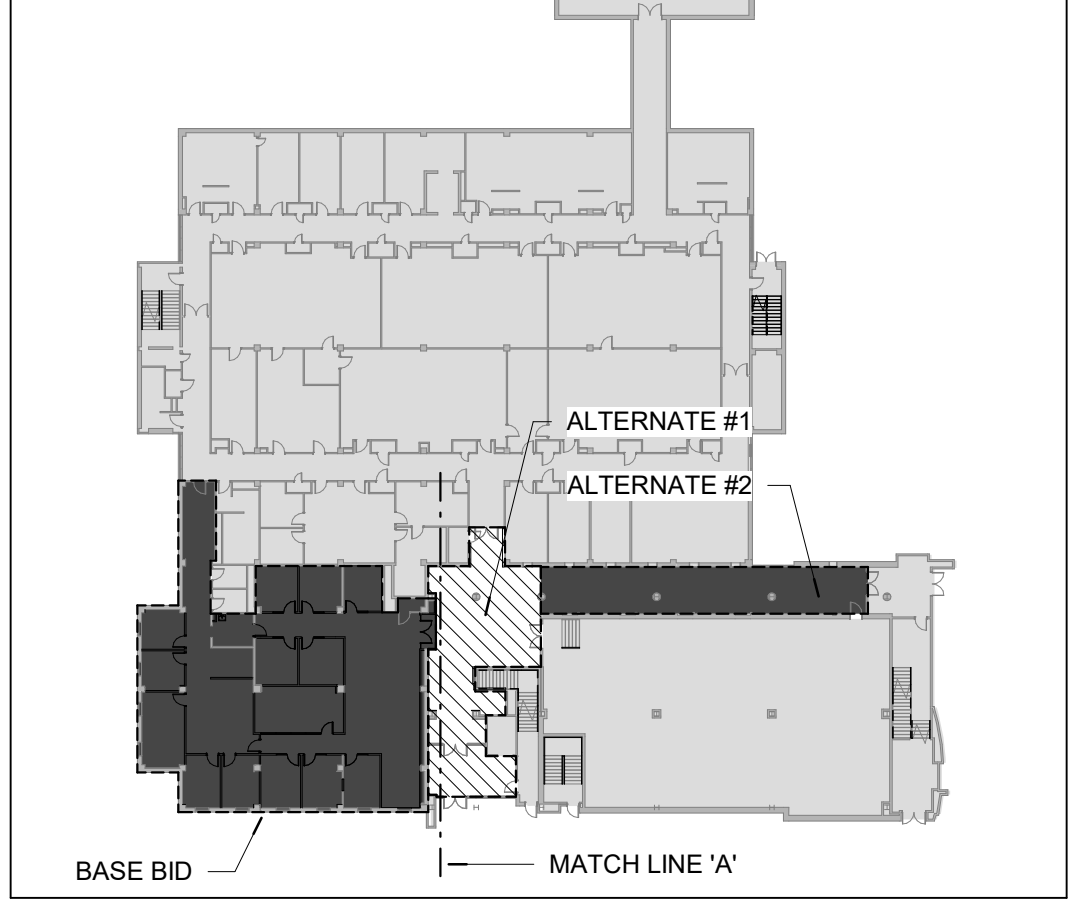


**DEMOLITION NOTES**

- INDICATES AREAS OF BUILDING NOT IN CONTRACT
- INDICATES EXISTING ITEMS TO REMAIN
- OR INDICATES ITEMS TO BE DEMOLISHED.

1. REFER TO SHEET G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
2. ALL REMOVABLE FURNISHINGS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
3. PROTECT EXISTING STRUCTURAL COLUMN DURING DEMOLITION. TYP. NO STRUCTURAL ELEMENTS ARE BEING DEMOLISHED IN THIS PROJECT.
4. SEE NOTE 15 OF GENERAL NOTES, M19 / G001.

**DEMO LEGEND | Z7**



**KEY PLAN | Z1**  
SCALE: N.T.S.

- DEMOLITION PLAN NOTES**
1. REMOVE VINYL TILE FLOORING AND ADHESIVE. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  2. REMOVE CARPET TILE AND ADHESIVE. CLEAN EXISTING FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  3. REMOVE PERIMETER FINNED TUBE AND ALL ASSOCIATED FRAMING AND ANCHORS TO EXTENTS SHOWN ON PLAN. RE: MECHANICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
  4. PROTECT EXISTING EXPANSION JOINT BETWEEN CHEMISTRY BUILDING AND CHEMISTRY TEACHING ADDITION.
  5. REMOVE EXISTING WALL BASE AND ADHESIVE TO EXTENTS SHOWN ON PLAN. PATCH AND PREPARE SURFACE TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
  6. REMOVE EXISTING GYPSUM BOARD WALL, INCLUDING WALL BASE, ALL ASSOCIATED FRAMING, AND ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. RE: ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS.
  7. REMOVE BATTEN BOARD WOOD PANELING AND ALL SUBSTRATES DOWN TO WALL STRUCTURE BEHIND. REMOVE ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN. PATCH ALL NAIL/ SCREW/ OTHER HOLES IN WALL BEHIND. RE: ELECTRICAL DRAWINGS.
  8. REMOVE ENTIRE EXISTING C.M.U. PARTITION, INCLUDING BASE, ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN UP TO B.O. EXISTING CONCRETE FLOOR SLAB. PATCH ADJACENT EXISTING FLOOR, AND WALL SURFACES TO REMAIN.
  9. REMOVE EXISTING STOREFRONT WINDOW, DOORS, AND ALL ASSOCIATED FRAMING AND HARDWARE, ETC.
  10. PROTECT EXISTING EXTERIOR WINDOW AND WINDOW TREATMENTS.
  11. REMOVE AND SALVAGE EXISTING MAILBOXES, RE-PLACE FOLLOWING CONSTRUCTION. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
  12. REMOVE AND SALVAGE BUILDING DIRECTORY SIGNAGE. REPLACE FOLLOWING NEW CONSTRUCTION. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL LOCATION.
  13. REMOVE EXISTING DOOR, DOOR FRAME, HARDWARE, AND ALL ASSOCIATED FRAME ANCHORAGE MATERIALS.
  14. REMOVE WALL CORNER GUARD. PATCH WALL AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN.
  15. REMOVE ANY WALL MOUNTED ELEMENTS AND THEIR ASSOCIATED FASTENERS/ADHESIVES, INCLUDING SIGNAGE, HAND SANITIZERS, AND PLAQUES. SALVAGE AND RETURN TO OWNER.
  16. REMOVE EXISTING WALL BASE. PATCH AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
  17. REMOVE WALL MOUNTED TACKBOARD OR MARKERBOARD, WHERE WALLS ARE TO REMAIN, PATCH AND PREPARE WALL TO RECEIVE NEW FINISHES OR TO BE REPAINTED AS SHOWN ON THE DRAWINGS.
  18. WALL-MOUNTED MONITOR TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
  19. REMOVE EXISTING WINDOW SILL. PATCH AND PREPARE TO RECEIVE NEW FINISHES.
  20. REMOVE AND SALVAGE PAPER TOWEL DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
  21. REMOVE AND SALVAGE SOAP DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
  22. REMOVE AND SALVAGE PAPER CUP DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
  23. REMOVE AND SALVAGE EXISTING DISPLAY CASES. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
  24. REMOVE AND SALVAGE EXISTING VENDING MACHINES. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
  25. REMOVE EXISTING CASEWORK AND ALL ASSOCIATED HARDWARE.
  26. REMOVE EXISTING BUILT IN CASEWORK DESK & ASSOCIATED HARDWARE.
  27. REMOVE EXISTING ACOUSTICAL TILE, GRID, AND ALL ASSOCIATED HARDWARE AND SUSPENSION SYSTEM.
  28. REMOVE EXISTING GYPSUM BOARD CEILING AND ASSOCIATED METAL FRAMING TO EXTENTS SHOWN ON PLAN.
  29. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
  30. REMOVE EXISTING DIFFUSER OR GRILLE. RE: MECHANICAL DRAWINGS.
  31. REMOVE EXISTING EXIT SIGNAGE. RE: ELECTRICAL DEMOLITION DRAWINGS.
  32. DEMO FURRING WALL TO EXTERIOR CMU WALL. PATCH ANY NAIL/SCREW HOLES AND PREPARE CMU WALL TO BE REPAINTED. RE: ELECTRICAL DRAWINGS.
  33. REMOVE EXISTING PROJECTOR AND SCREEN AND ALL ASSOCIATED HARDWARE. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION IF THE PROJECTOR SHOULD BE SALVAGED AND RETURNED TO OWNER. RE: ELECTRICAL DRAWINGS.
  34. REMOVE EXISTING SENSOR AND ALL ASSOCIATED HARDWARE. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION IF SENSOR SHOULD BE SALVAGED AND RETURNED TO OWNER. RE: ELECTRICAL DRAWINGS.
  35. REMOVE EXISTING SPEAKER AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS.
  36. PATCH AND PREPARE EXISTING GYPSUM BOARD CEILING TO BE REPAINTED. RE: ELECTRICAL FOR ELEMENTS TO BE REMOVED.
  37. EXISTING MILLWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
  38. REMOVE FLOOR TILE AND ADHESIVE. CLEAN EXISTING STRUCTURAL FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  39. REMOVE VINYL TILE FLOORING AND ADHESIVE. ADHERE TO OWNER'S UNIVERSAL-HAZARDOUS MATERIALS REMOVAL AND DISPOSAL PROCEDURES OUTLINED IN THE SPECIFICATIONS. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  40. REMOVE EXISTING EXPANSION JOINT COVER.

**INTERNATIONAL ARCHITECTS ATELIER**  
 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105  
 P: 816.471.6522 | F: 816.471.3755 | W: IAA.COM  
 MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

**MEP CONSULTANT**  
 IMEG, CORP.  
 1600 BALTIMORE AVE., SUITE 300  
 KANSAS CITY, MO 64108  
 PH: 816.842.8437

FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**

125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331

DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA

SEAL:



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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION	09/26/2024

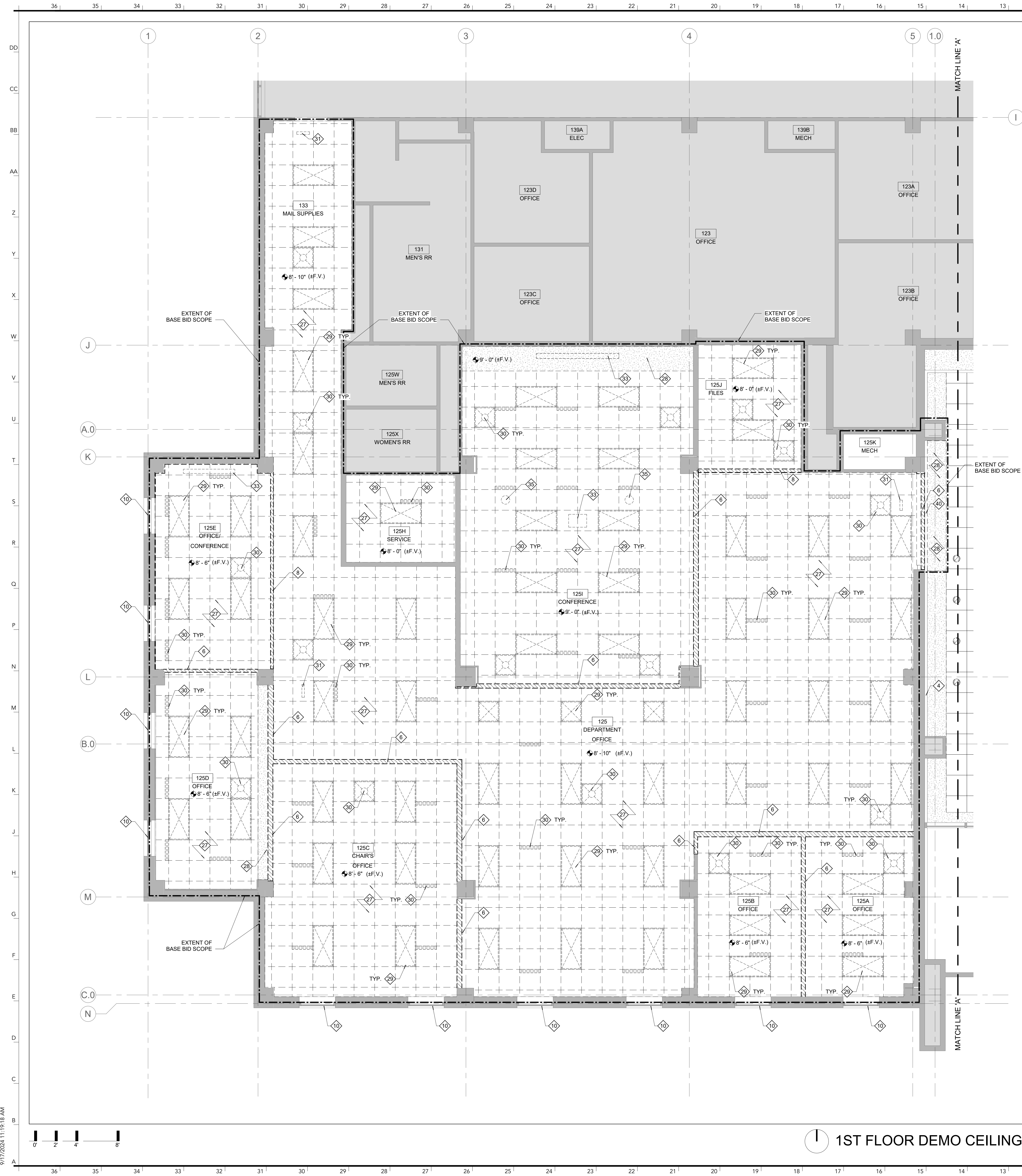
**1ST FLOOR DEMOLITION PLAN - ALTERNATES**

**D101.1**

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**1ST FLOOR DEMO PLAN - ALTERNATE #1 | B7**  
SCALE: 1/4" = 1'-0"

**DEMO NOTES | B1**

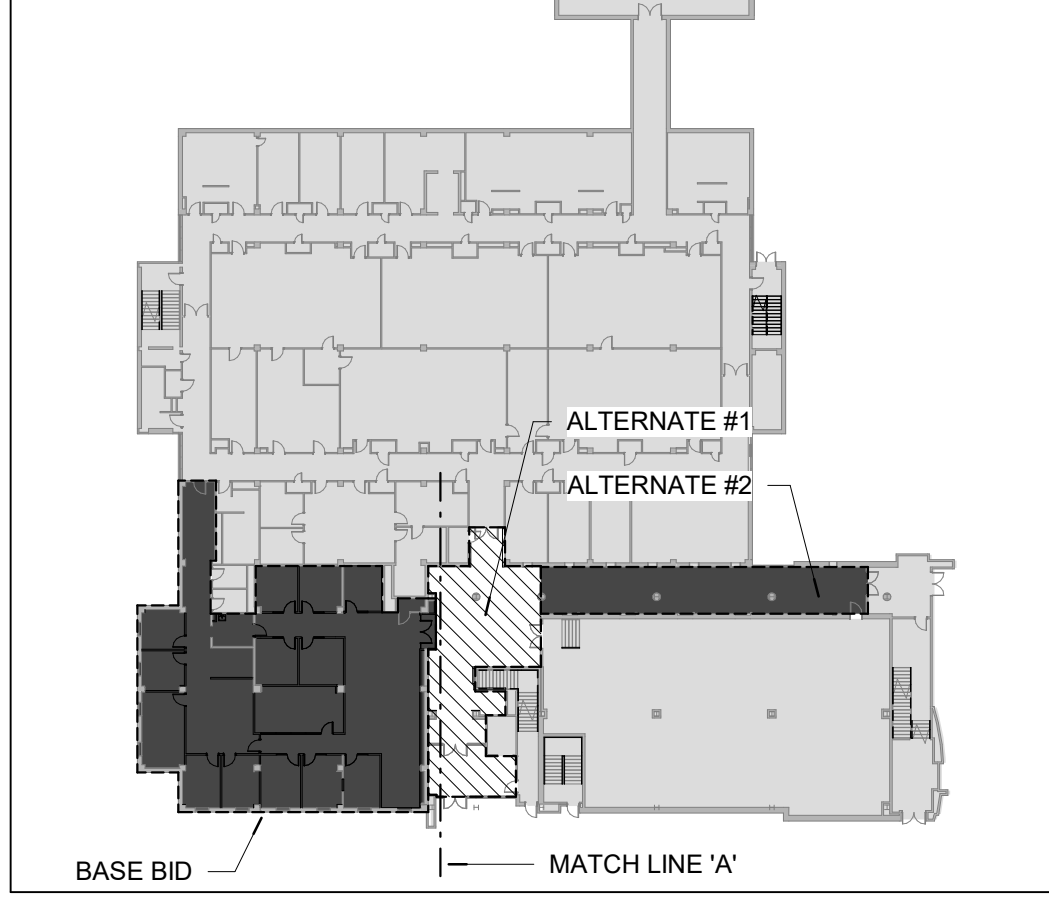


**DEMOLITION NOTES**

- INDICATES AREAS OF BUILDING NOT IN CONTRACT
- INDICATES EXISTING ITEMS TO REMAIN.
- OR INDICATES ITEMS TO BE DEMOLISHED.

- REFER TO SHEET G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
- ALL REMOVABLE FURNISHINGS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
- PROTECT EXISTING STRUCTURAL COLUMN DURING DEMOLITION. TYP. NO STRUCTURAL ELEMENTS ARE BEING DEMOLISHED IN THIS PROJECT.
- SEE NOTE 15 OF GENERAL NOTES, M19 / G001.

DEMO LEGEND | Z7



KEY PLAN | Z1  
SCALE: N.T.S.

- DEMOLITION PLAN NOTES**
- REMOVE VINYL TILE FLOORING AND ADHESIVE. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  - REMOVE CARPET TILE AND ADHESIVE. CLEAN EXISTING FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  - REMOVE PERIMETER FINNED TUBE AND ALL ASSOCIATED FRAMING AND ANCHORS TO EXTENTS SHOWN ON PLAN. RE: MECHANICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
  - PROTECT EXISTING EXPANSION JOINT BETWEEN CHEMISTRY BUILDING AND CHEMISTRY TEACHING ADDITION.
  - REMOVE EXISTING WALL BASE AND ADHESIVE TO EXTENTS SHOWN ON PLAN. PATCH AND PREPARE SURFACE TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
  - REMOVE EXISTING GYPSUM BOARD WALL INCLUDING WALL BASE, ALL ASSOCIATED FRAMING, AND ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. RE: ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS.
  - REMOVE BATTEN BOARD WOOD PANELING AND ALL SUBSTRATES DOWN TO WALL STRUCTURE BEHIND. REMOVE ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN. PATCH ALL NAIL/ SCREW/ OTHER HOLES IN WALL BEHIND. RE: ELECTRICAL DRAWINGS.
  - REMOVE ENTIRE EXISTING C.M.U. PARTITION, INCLUDING BASE, ELECTRICAL/FA DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN UP TO F.L.O. EXISTING CONCRETE FLOOR SLAB. PATCH ADJACENT EXISTING FLOOR, AND WALL SURFACES TO REMAIN.
  - REMOVE EXISTING STOREFRONT WINDOW, DOORS, AND ALL ASSOCIATED FRAMING AND HARDWARE, ETC.
  - PROTECT EXISTING EXTERIOR WINDOW AND WINDOW TREATMENTS.
  - REMOVE AND SALVAGE EXISTING MAIL BOXES. RE-PLACE FOLLOWING CONSTRUCTION. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
  - REMOVE AND SALVAGE BUILDING DIRECTORY SIGNAGE. REPLACE FOLLOWING NEW CONSTRUCTION. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL LOCATION.
  - REMOVE EXISTING DOOR, DOOR FRAME, HARDWARE, AND ALL ASSOCIATED FRAME AND CHOICE MATERIALS.
  - REMOVE WALL CORNER GUARD. PATCH WALL AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN.
  - REMOVE ANY WALL MOUNTED ELEMENTS AND THEIR ASSOCIATED FASTENERS AND ADHESIVES, INCLUDING SIGNAGE, HAND SANITIZERS, AND PLAQUES. SALVAGE AND RETURN TO OWNER.
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  - REMOVE WALL MOUNTED TACKBOARD OR MARKERBOARD. WHERE WALLS ARE TO REMAIN, PATCH AND PREPARE WALL TO RECEIVE NEW FINISHES OR TO BE REPAINTED AS SHOWN ON THE DRAWINGS.
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  - REMOVE EXISTING WINDOW SILL. PATCH AND PREPARE TO RECEIVE NEW FINISHES.
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  - REMOVE EXISTING BUILT IN CASEWORK DESK & ASSOCIATED HARDWARE.
  - REMOVE EXISTING ACOUSTICAL TILE, GRID, AND ALL ASSOCIATED HARDWARE AND SUSPENSION SYSTEM.
  - REMOVE EXISTING GYPSUM BOARD CEILING AND ASSOCIATED METAL FRAMING TO EXTENTS SHOWN ON PLAN.
  - REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
  - REMOVE EXISTING DIFFUSER OR GRILLE. RE: MECHANICAL DRAWINGS.
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  - REMOVE EXISTING SPEAKER AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS.
  - PATCH AND PREPARE EXISTING GYPSUM BOARD CEILING TO BE REPAINTED. RE: ELECTRICAL FOR ELEMENTS TO BE REMOVED.
  - EXISTING MILLWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
  - REMOVE FLOOR TILE AND ADHESIVE. CLEAN EXISTING STRUCTURAL FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  - REMOVE VINYL TILE FLOORING AND ADHESIVE. ADHERE TO OWNER'S UNIVERSAL-HAZARDOUS MATERIALS REMOVAL AND DISPOSAL PROCEDURES OUTLINED IN THE SPECIFICATIONS. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  - REMOVE EXISTING EXPANSION JOINT COVER.

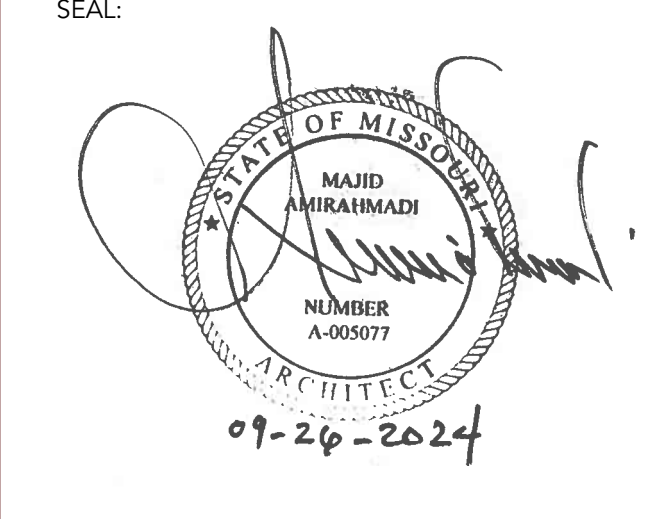


FOR THE CURATORS OF  
 THE UNIVERSITY OF MISSOURI

**CHEMISTRY  
 BUILDING - 1ST  
 FLOOR  
 RENOVATION**

ISSUED FOR  
 CONSTRUCTION  
 125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE:	09/26/2024
PROJ. NO.:	CP242331
DESIGNED BY:	AA, IC
DRAWN BY:	IC
CHECKED BY:	AA
APPROVED BY:	MA



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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION	09/26/2024

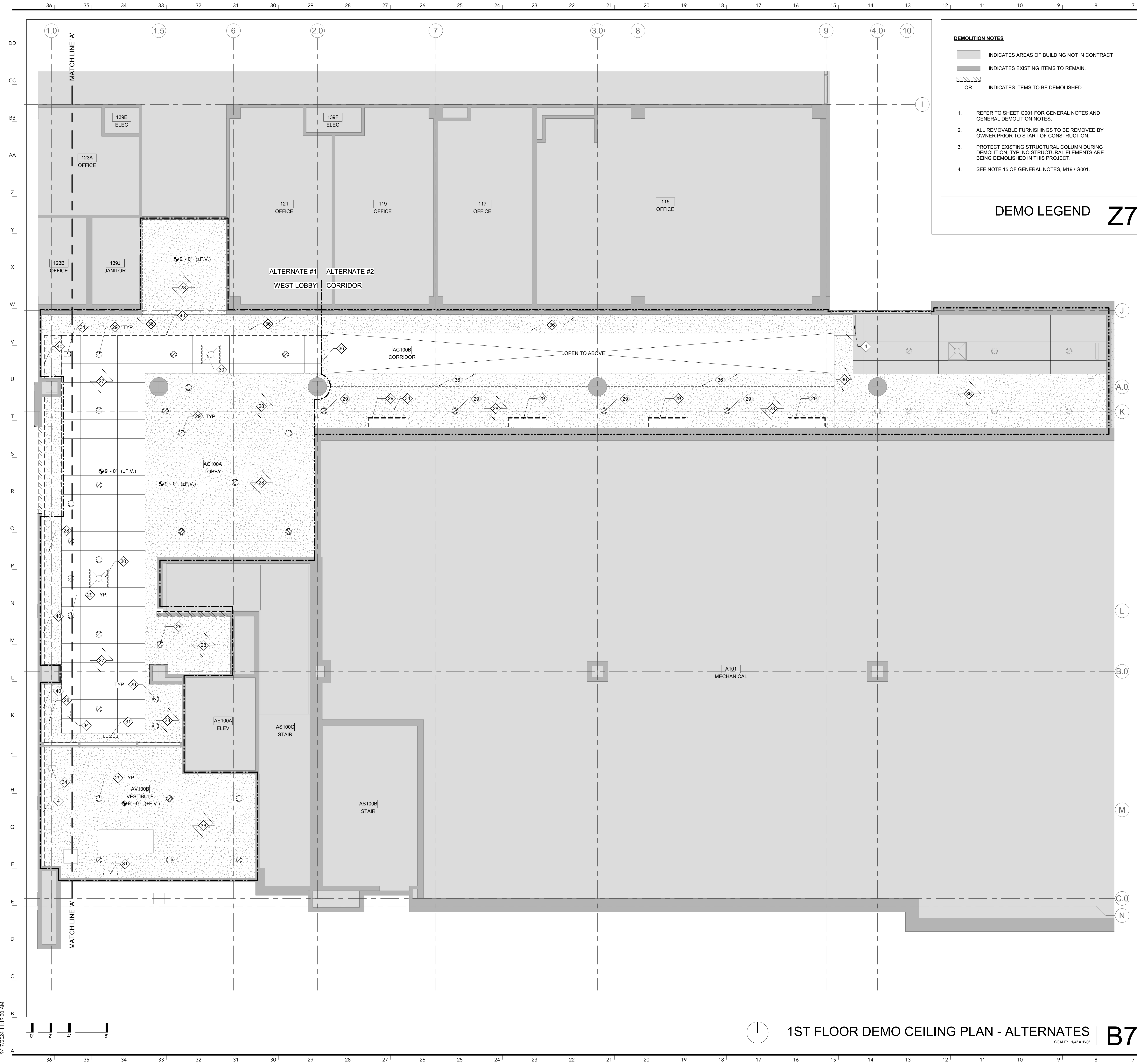
**1ST FLOOR DEMOLITION  
 CEILING PLAN - BASE BID**

D401

1ST FLOOR DEMO CEILING PLAN - BASE BID | B7  
 SCALE: 1/4" = 1'-0"

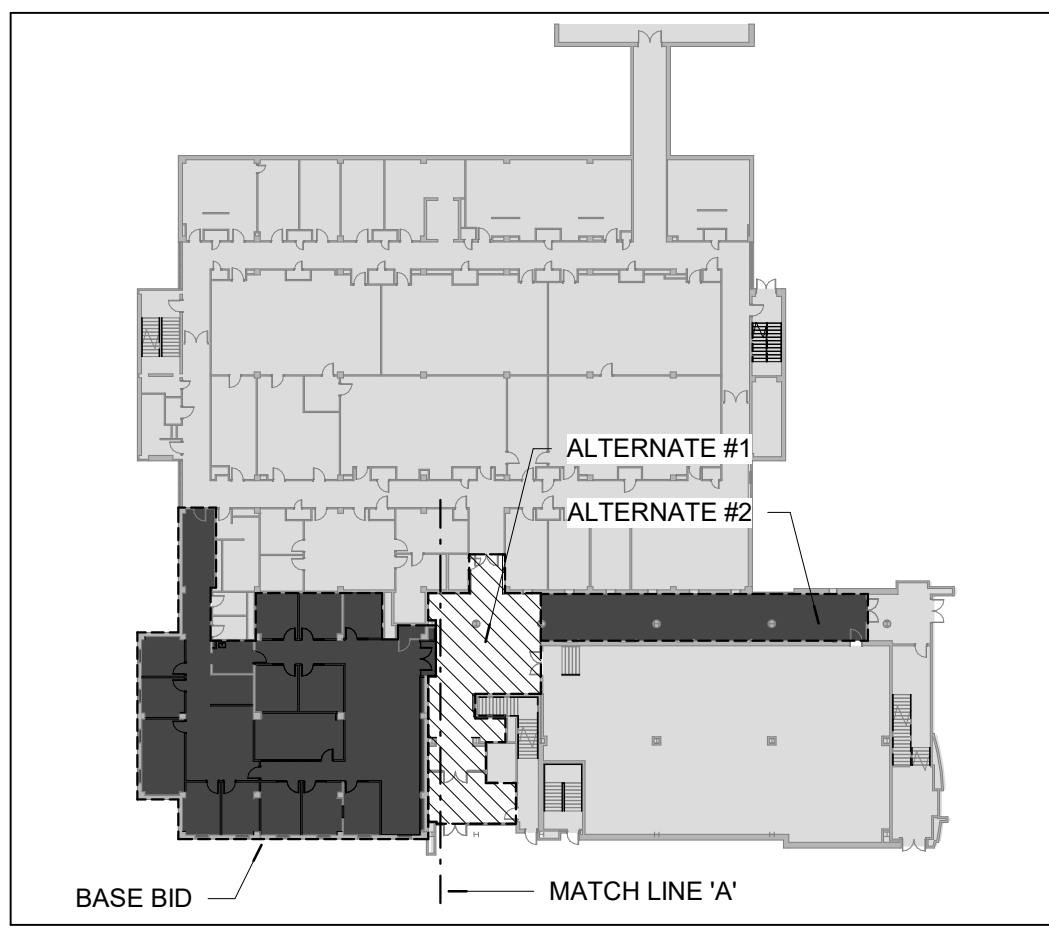
DEMO NOTES | B1

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- DEMOLITION NOTES**
- INDICATES AREAS OF BUILDING NOT IN CONTRACT
  - INDICATES EXISTING ITEMS TO REMAIN.
  - OR ■ INDICATES ITEMS TO BE DEMOLISHED.
1. REFER TO SHEET G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
  2. ALL REMOVABLE FURNISHINGS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
  3. PROTECT EXISTING STRUCTURAL COLUMN DURING DEMOLITION. TYP. NO STRUCTURAL ELEMENTS ARE BEING DEMOLISHED IN THIS PROJECT.
  4. SEE NOTE 15 OF GENERAL NOTES, M19 / G001.

DEMO LEGEND | Z7



KEY PLAN | Z1  
SCALE: N.T.S.

- DEMOLITION PLAN NOTES**
1. REMOVE VINYL TILE FLOORING AND ADHESIVE. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  2. REMOVE CARPET TILE AND ADHESIVE. CLEAN EXISTING FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  3. REMOVE PERIMETER FINNED TUBE AND ALL ASSOCIATED FRAMING AND ANCHORS TO EXTENTS SHOWN ON PLAN. RE: MECHANICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
  4. PROTECT EXISTING EXPANSION JOINT BETWEEN CHEMISTRY BUILDING AND CHEMISTRY TEACHING ADDITION.
  5. REMOVE EXISTING WALL BASE AND ADHESIVE TO EXTENTS SHOWN ON PLAN. PATCH AND PREPARE SURFACE TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
  6. REMOVE EXISTING GYPSUM BOARD WALL INCLUDING WALL BASE, ALL ASSOCIATED FRAMING, AND ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. RE: ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION REQUIREMENTS.
  7. REMOVE BATTEN BOARD WOOD PANELING AND ALL SUBSTRATES DOWN TO WALL STRUCTURE BEHIND. REMOVE ANY ELECTRICAL DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN. PATCH ALL NAIL/SCREW/OTHER HOLES IN WALL BEHIND. RE: ELECTRICAL DRAWINGS.
  8. REMOVE ENTIRE EXISTING C.M.U. PARTITION, INCLUDING BASE, ELECTRICAL/FA DEVICES, RECEPTACLES, CONDUIT, ETC. TO EXTENTS SHOWN ON PLAN UP TO B.O. EXISTING CONCRETE FLOOR SLAB. PATCH ADJACENT EXISTING FLOOR, AND WALL SURFACES TO REMAIN.
  9. REMOVE EXISTING STOREFRONT WINDOW, DOORS, AND ALL ASSOCIATED FRAMING AND HARDWARE, ETC.
  10. PROTECT EXISTING EXTERIOR WINDOW AND WINDOW TREATMENTS.
  11. REMOVE AND SALVAGE EXISTING MAILBOXES. RE-PLACE FOLLOWING CONSTRUCTION. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
  12. REMOVE AND SALVAGE BUILDING DIRECTORY SIGNAGE. REPLACE FOLLOWING NEW CONSTRUCTION. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL LOCATION.
  13. REMOVE EXISTING DOOR, DOOR FRAME, HARDWARE, AND ALL ASSOCIATED FRAME ANCHORAGE MATERIALS.
  14. REMOVE WALL CORNER GUARD. PATCH WALL AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN.
  15. REMOVE ANY WALL MOUNTED ELEMENTS AND THEIR ASSOCIATED FASTENERS/ADHESIVES, INCLUDING SIGNAGE, HAND SANITIZERS, AND PLAQUES. SALVAGE AND RETURN TO OWNER.
  16. REMOVE EXISTING WALL BASE. PATCH AND PREPARE DRYWALL TO BE REPAINTED TO EXTENTS SHOWN ON PLAN. RE: ELECTRICAL AND MECHANICAL DRAWINGS FOR ELEMENTS TO BE REMOVED.
  17. REMOVE WALL MOUNTED TACKBOARD OR MARKERBOARD, WHERE WALLS ARE TO REMAIN. PATCH AND PREPARE WALL TO RECEIVE NEW FINISHES OR TO BE REPAINTED AS SHOWN ON THE DRAWINGS.
  18. WALL-MOUNTED MONITOR TO BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.
  19. REMOVE EXISTING WINDOW SILL. PATCH AND PREPARE TO RECEIVE NEW FINISHES.
  20. REMOVE AND SALVAGE PAPER TOWEL DISPENSER AND ALL ASSOCIATED FASTENERS/ADHESIVES. RETURN TO OWNER.
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  23. REMOVE AND SALVAGE EXISTING DISPLAY CASES. REFER TO NEW FLOOR PLAN AND COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
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  28. REMOVE EXISTING GYPSUM BOARD CEILING AND ASSOCIATED METAL FRAMING TO EXTENTS SHOWN ON PLAN.
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  30. REMOVE EXISTING DIFFUSER OR GRILLE. RE: MECHANICAL DRAWINGS.
  31. REMOVE EXISTING EXIT SIGNAGE. RE: ELECTRICAL DEMOLITION DRAWINGS.
  32. DEMO FURRING WALL TO EXTERIOR CMU WALL. PATCH ANY NAIL/SCREW HOLES AND PREPARE CMU WALL TO BE REPAINTED. RE: ELECTRICAL DRAWINGS.
  33. REMOVE EXISTING PROJECTOR AND SCREEN AND ALL ASSOCIATED HARDWARE. CONFIRM WITH OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION IF THE PROJECTOR SHOULD BE SALVAGED AND RETURNED TO OWNER. RE: ELECTRICAL DRAWINGS.
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  36. PATCH AND PREPARE EXISTING GYPSUM BOARD CEILING TO BE REPAINTED. RE: ELECTRICAL FOR ELEMENTS TO BE REMOVED.
  37. EXISTING MILLWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
  38. REMOVE FLOOR TILE AND ADHESIVE. CLEAN EXISTING STRUCTURAL FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  39. REMOVE VINYL TILE FLOORING AND ADHESIVE. ADHERE TO OWNER'S UNIVERSAL-HAZARDOUS MATERIALS REMOVAL AND DISPOSAL PROCEDURES OUTLINED IN THE SPECIFICATIONS. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
  40. REMOVE EXISTING EXPANSION JOINT COVER.

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MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

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1600 BALTIMORE AVE., SUITE 300  
KANSAS CITY, MO 64108  
PH: 816.842.8437

FOR THE CURATORS OF  
THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331

DESIGNED BY: AA, IC  
DRAWN BY: IC  
CHECKED BY: AA  
APPROVED BY: MA

SEAL:

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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION	09/26/2024

1ST FLOOR DEMO CEILING PLAN - ALTERNATES

## D401.1

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1ST FLOOR DEMO CEILING PLAN - ALTERNATES | B7  
SCALE: 1/4" = 1'-0"

DEMO NOTES | B1



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FOR THE CURATORS OF  
 THE UNIVERSITY OF MISSOURI

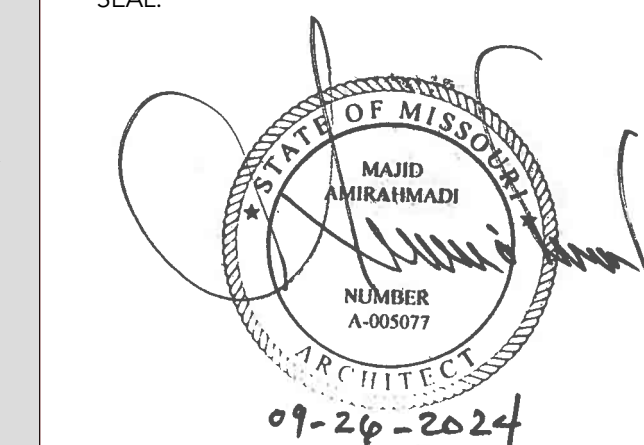
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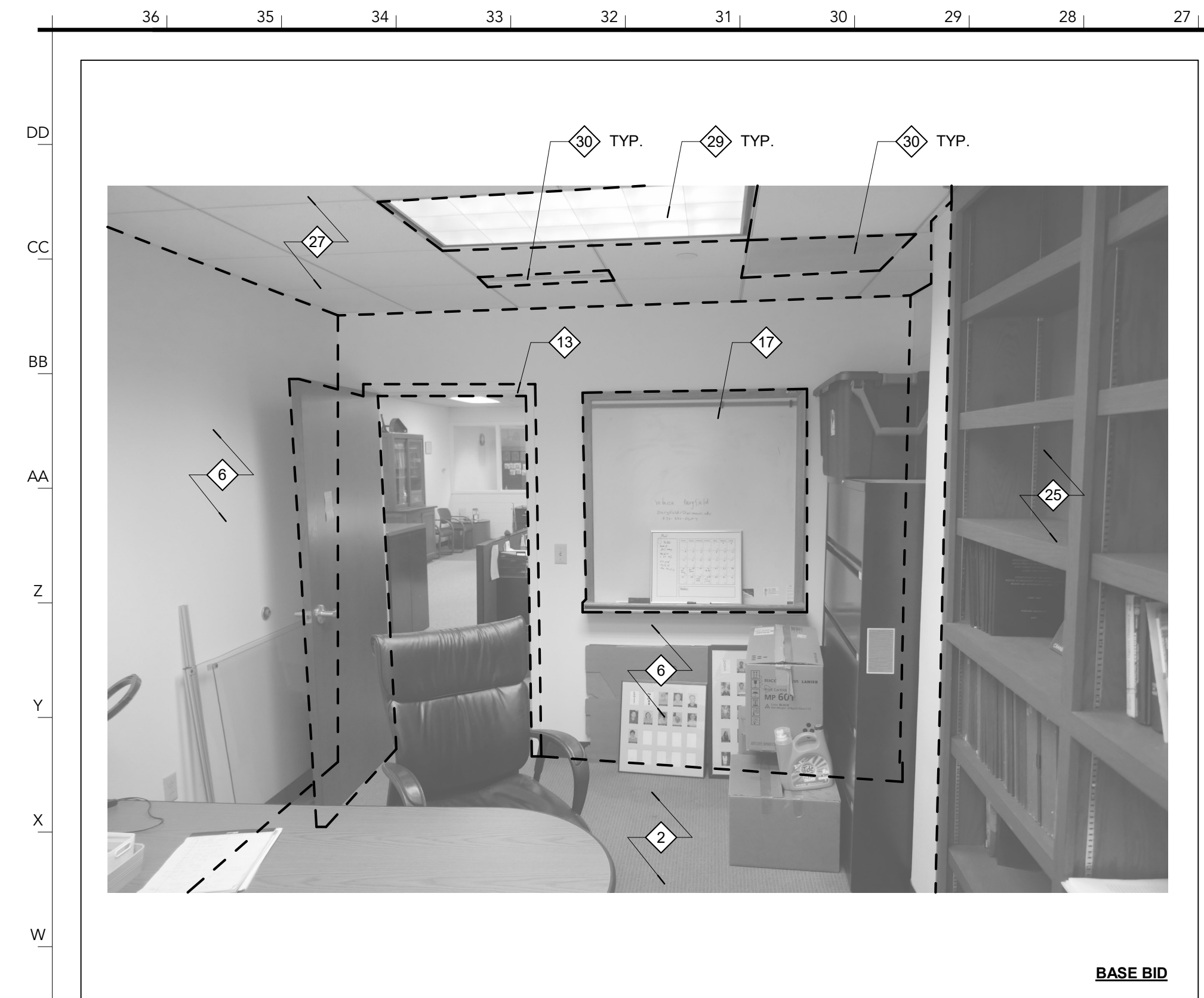


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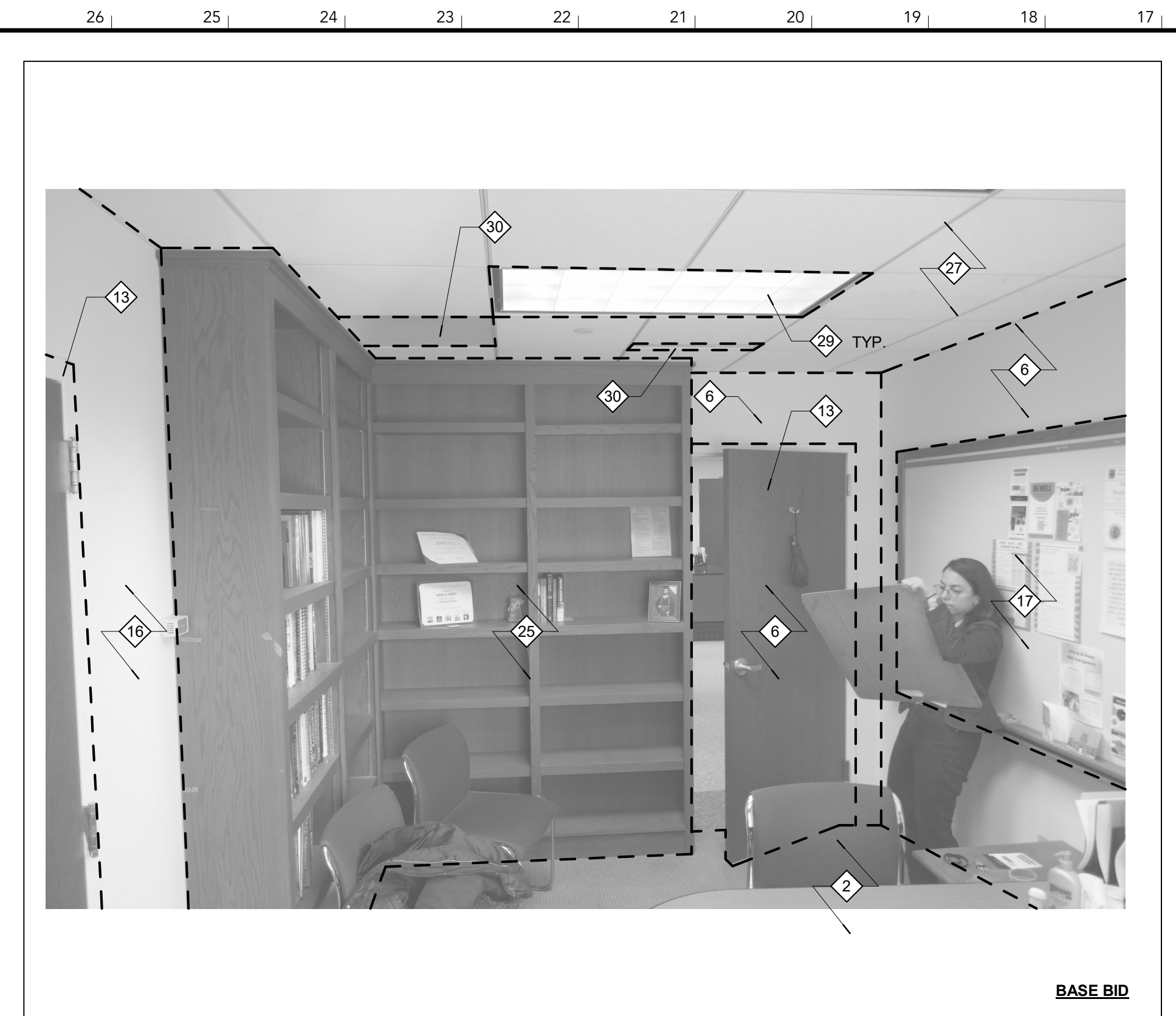
NO.	REVISION	SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION		09/26/2024

DEMOLITION PHOTOGRAPHS

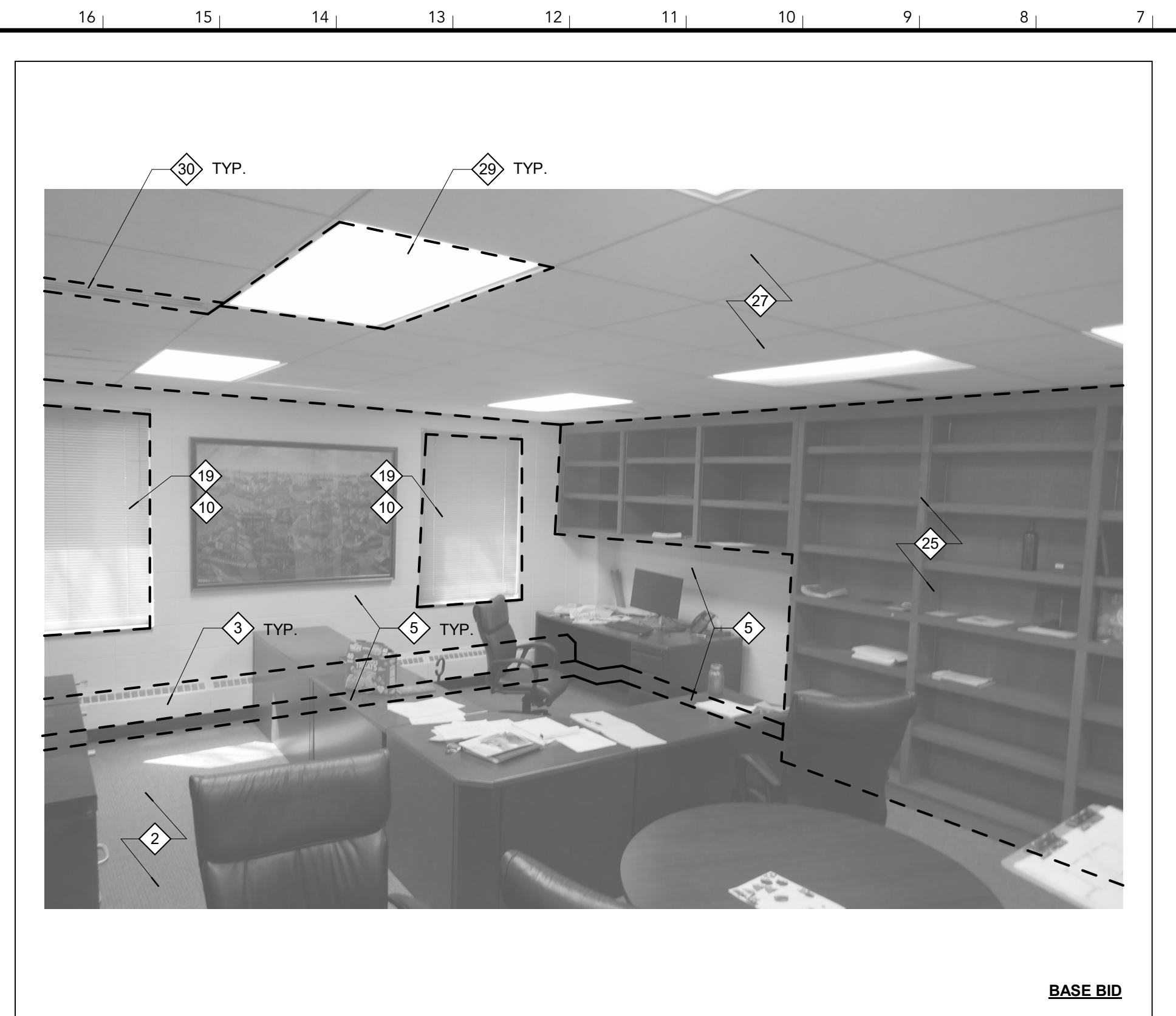
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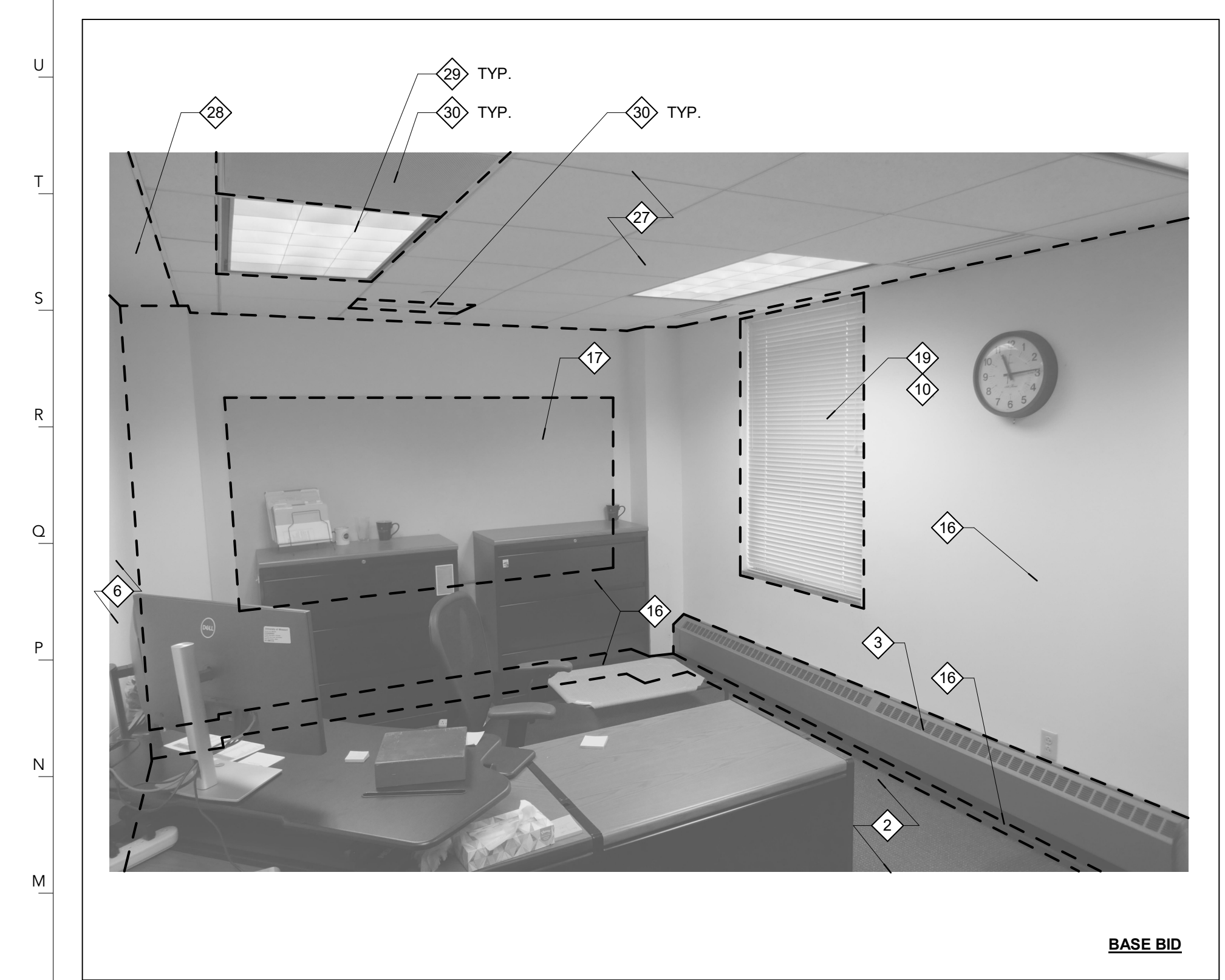
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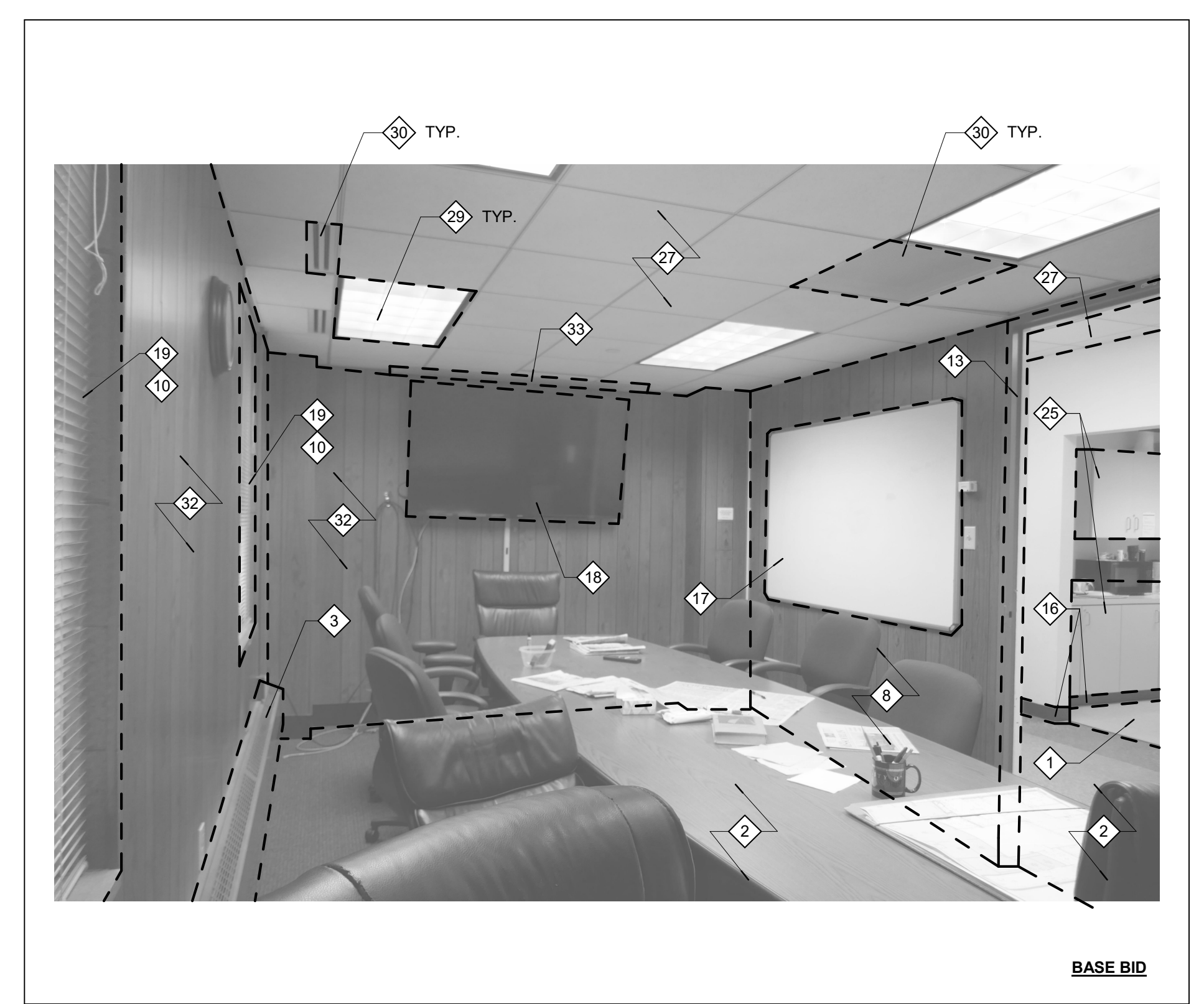
125B OFFICE - DEMO PHOTO | W17



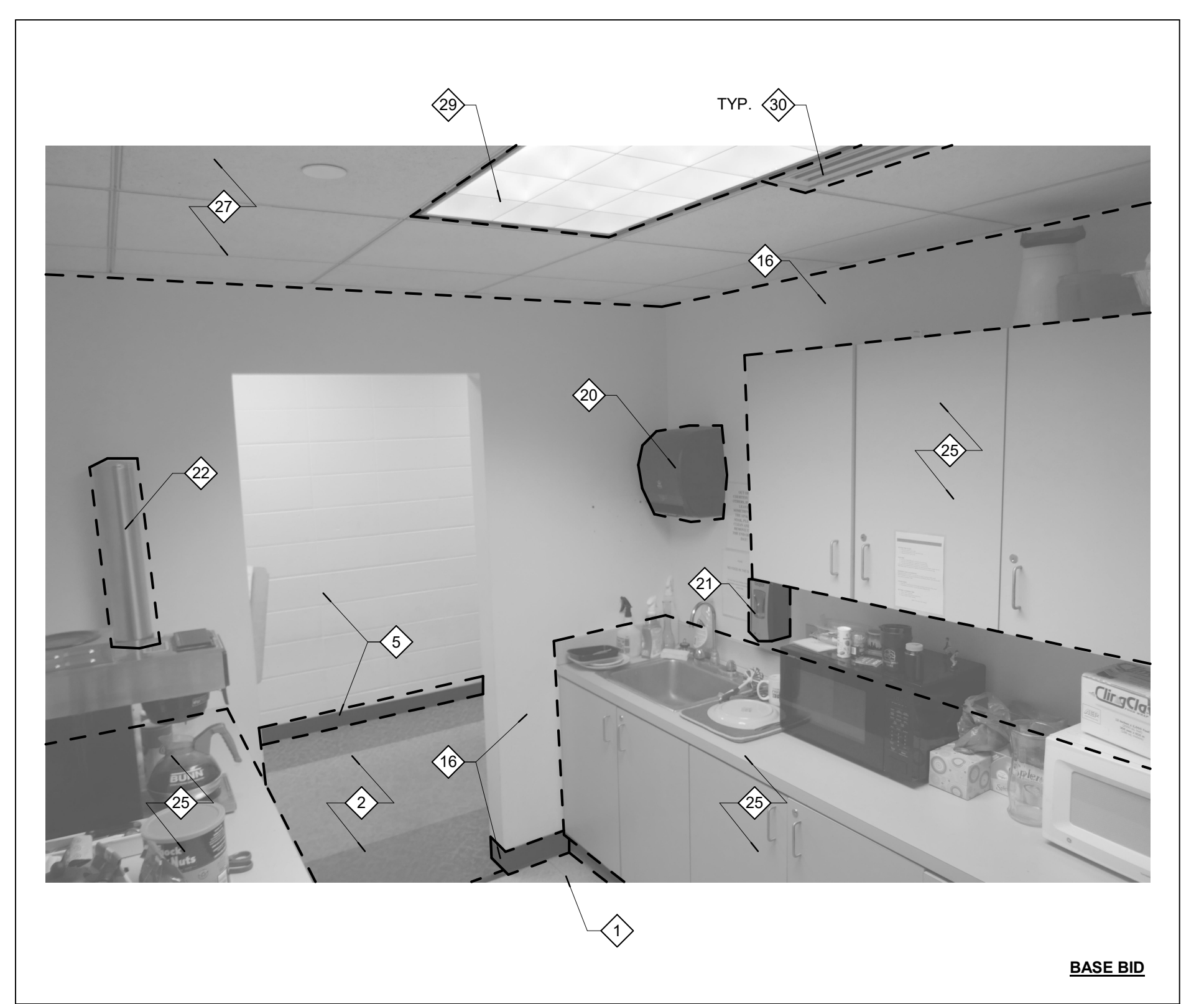
125C CHAIR'S OFFICE - DEMO PHOTO | W7



125D OFFICE - DEMO PHOTO | L27



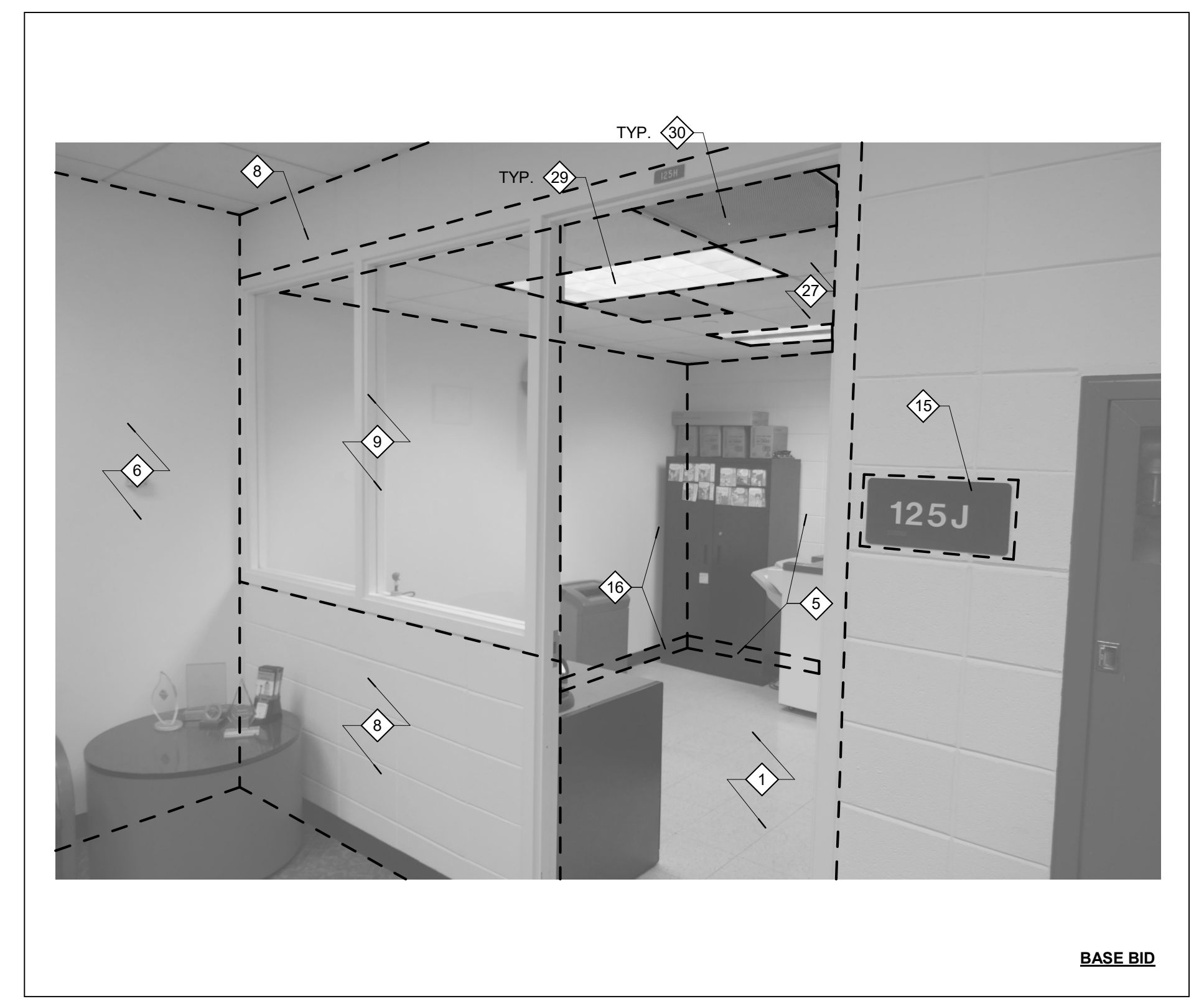
125E OFFICE/CONFERENCE - DEMO PHOTO | L17



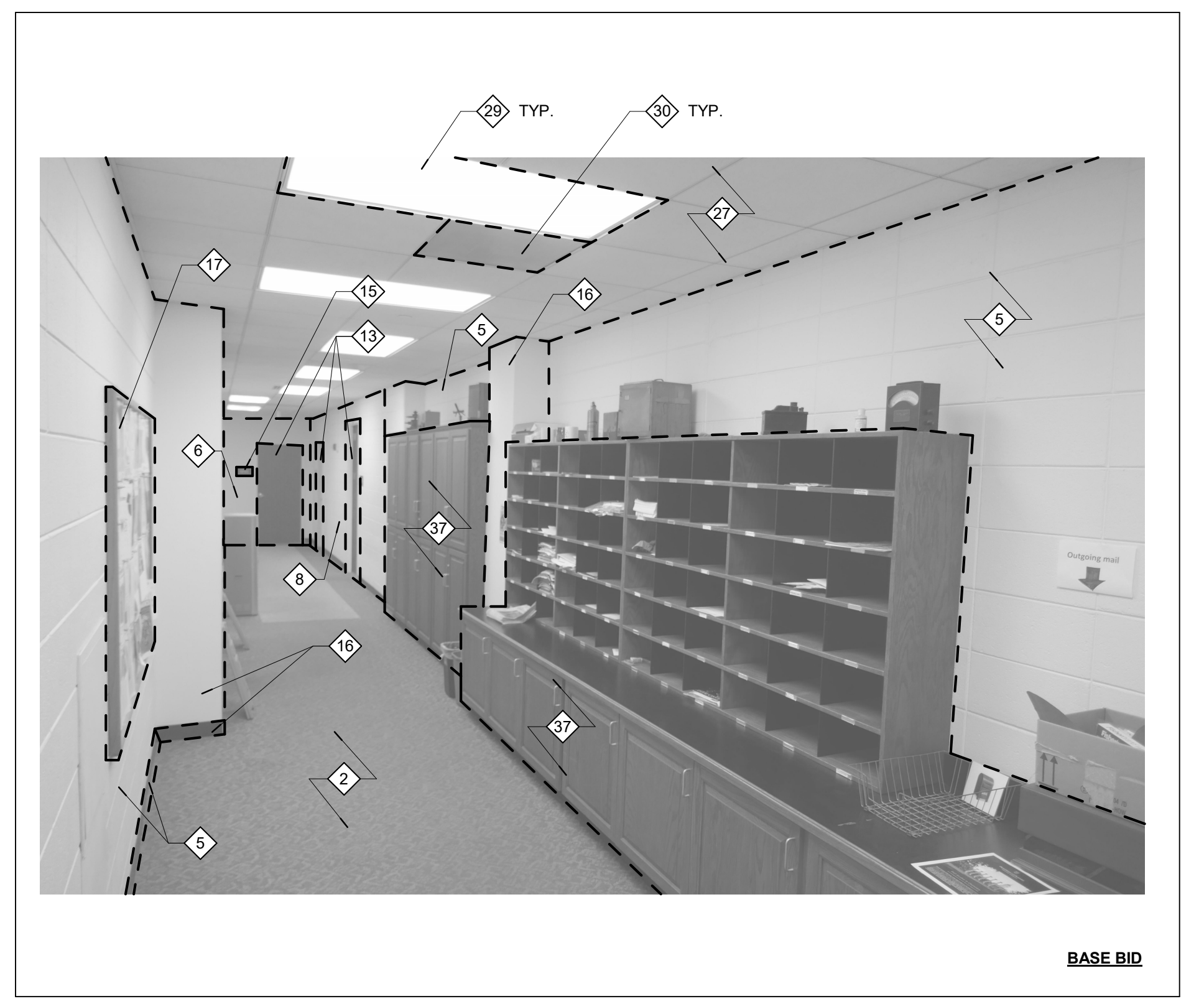
125H SERVICE - DEMO PHOTO | L7



125I CONFERENCE - DEMO PHOTO | B27



125J FILES - DEMO PHOTO | B17



133 MAIL SUPPLIES - DEMO PHOTO | B7

**DEMOLITION NOTES**

- INDICATES AREAS OF BUILDING NOT IN CONTRACT
- INDICATES EXISTING ITEMS TO REMAIN.
- OR INDICATES ITEMS TO BE DEMOLISHED.

1. REFER TO SHEET G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
2. ALL REMOVABLE FURNISHINGS TO BE REMOVED BY OWNER PRIOR TO START OF CONSTRUCTION.
3. PROTECT EXISTING STRUCTURAL COLUMN DURING DEMOLITION. TYP. NO STRUCTURAL ELEMENTS ARE BEING DEMOLISHED IN THIS PROJECT.
4. SEE NOTE 15 OF GENERAL NOTES, M19 / G001.

**DEMOLITION PLAN NOTES**

1. REMOVE VINYL TILE FLOORING AND ADHESIVE. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
2. REMOVE CARPET TILE AND ADHESIVE. CLEAN EXISTING FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
3. REMOVE PERIMETER FINNED TUBE AND ALL ASSOCIATED FRAMING AND ANCHORS TO EXTENTS SHOWN ON PLAN. RE: MECHANICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
4. PROTECT EXISTING EXPANSION JOINT BETWEEN CHEMISTRY BUILDING AND CHEMISTRY TEACHING ADDITION.
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29. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS FOR DEMOLITION REQUIREMENTS.
30. REMOVE EXISTING DIFFUSER OR GRILLE. RE: MECHANICAL DRAWINGS.
31. REMOVE EXISTING EXIT SIGNAGE. RE: ELECTRICAL DEMOLITION DRAWINGS.
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40. REMOVE EXISTING EXPANSION JOINT COVER.

DEMO NOTES | B1

9/17/2024 11:19:26 AM





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FOR THE CURATORS OF  
THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR  
CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024

PROJ. NO.: CP242331

DESIGNED BY: AA, IC

DRAWN BY: IC

CHECKED BY: AA

APPROVED BY: MA

SEAL:



The Professional Architect's seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments, or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plans, drawings, or documents not exhibiting this seal.

NO. REVISION SUBMISSION DATE

0 ISSUED FOR CONSTRUCTION 09/26/2024

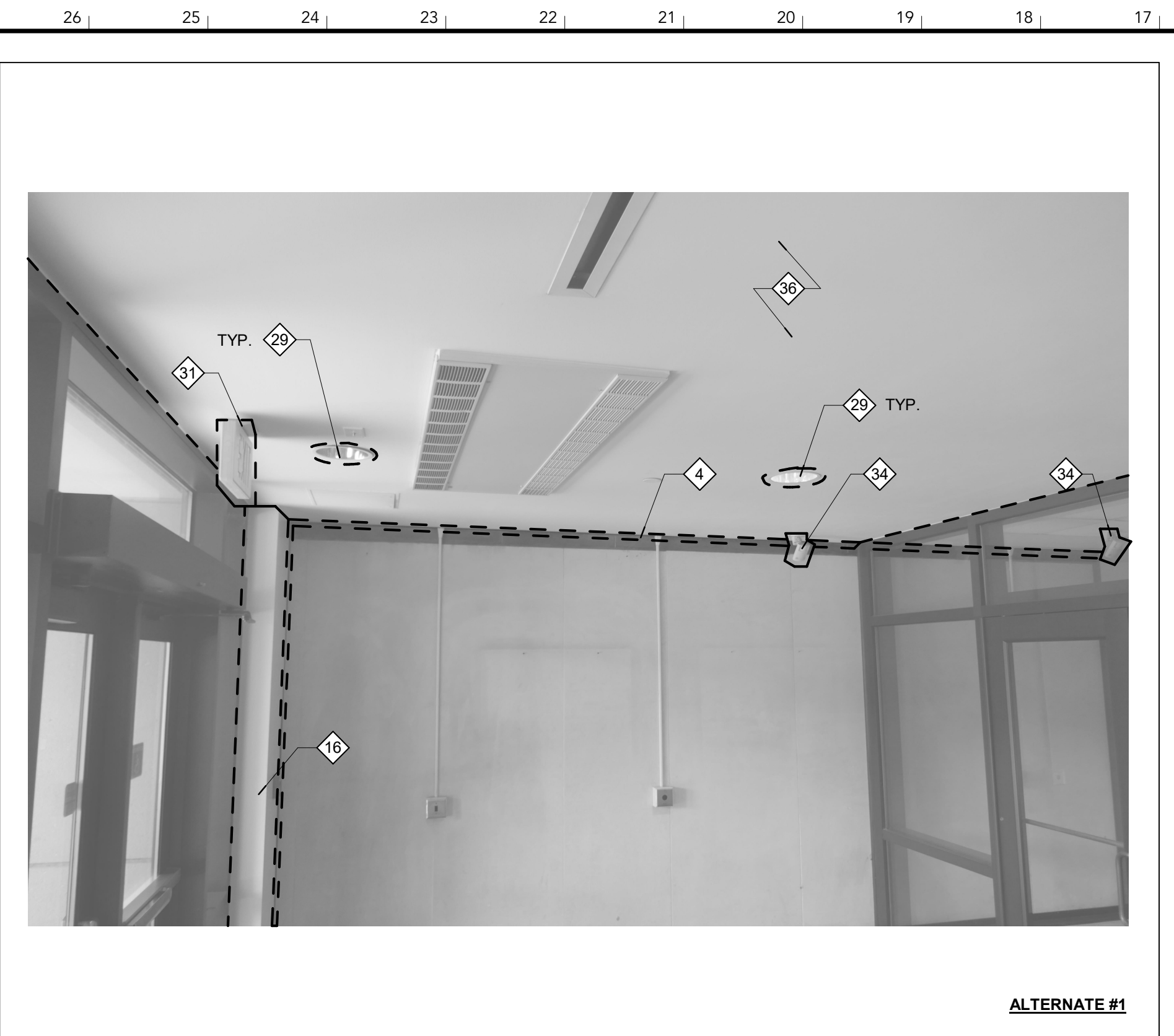
NO.	REVISION	SUBMISSION	DATE
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DEMOLITION  
PHOTOGRAPHS

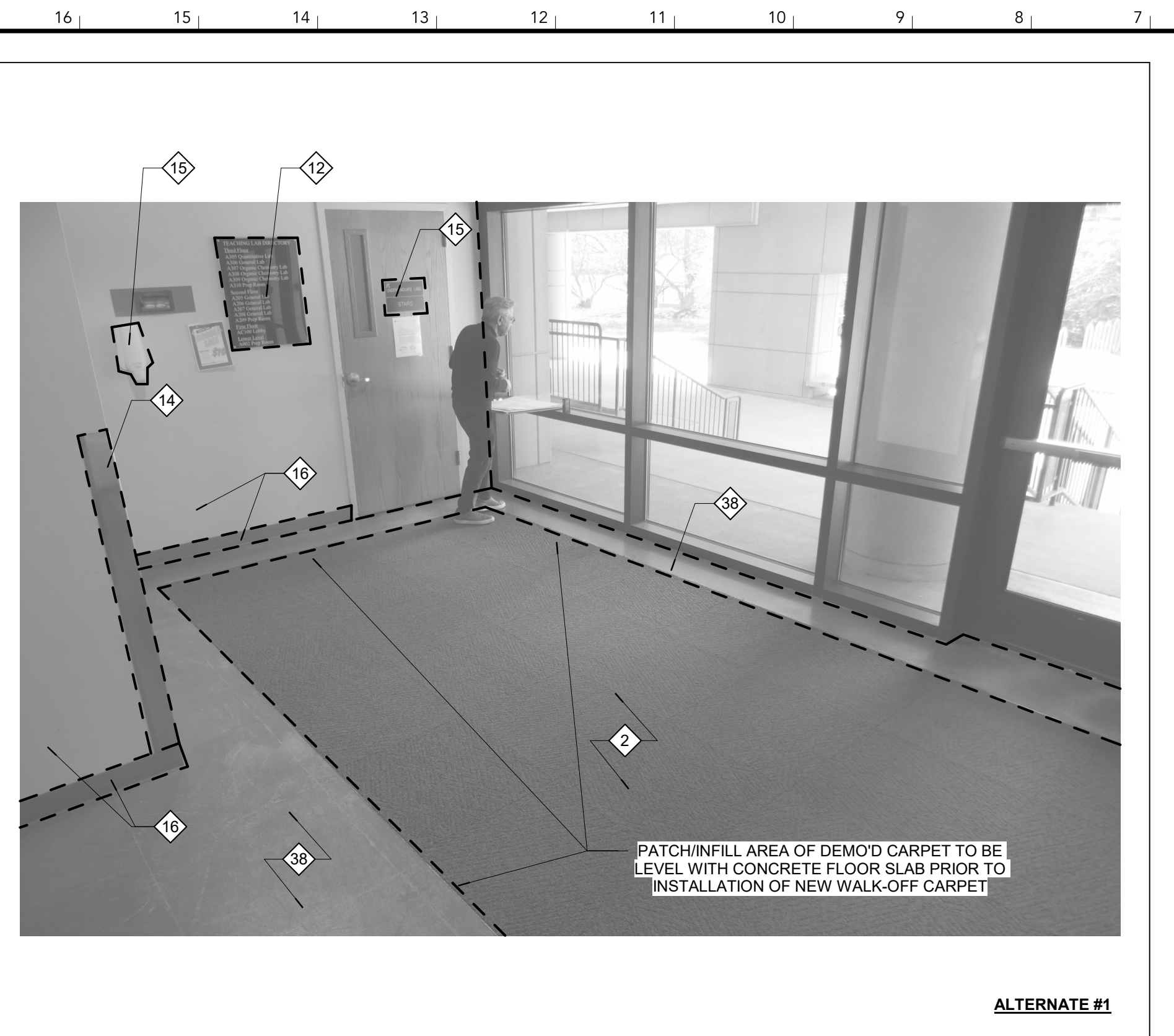
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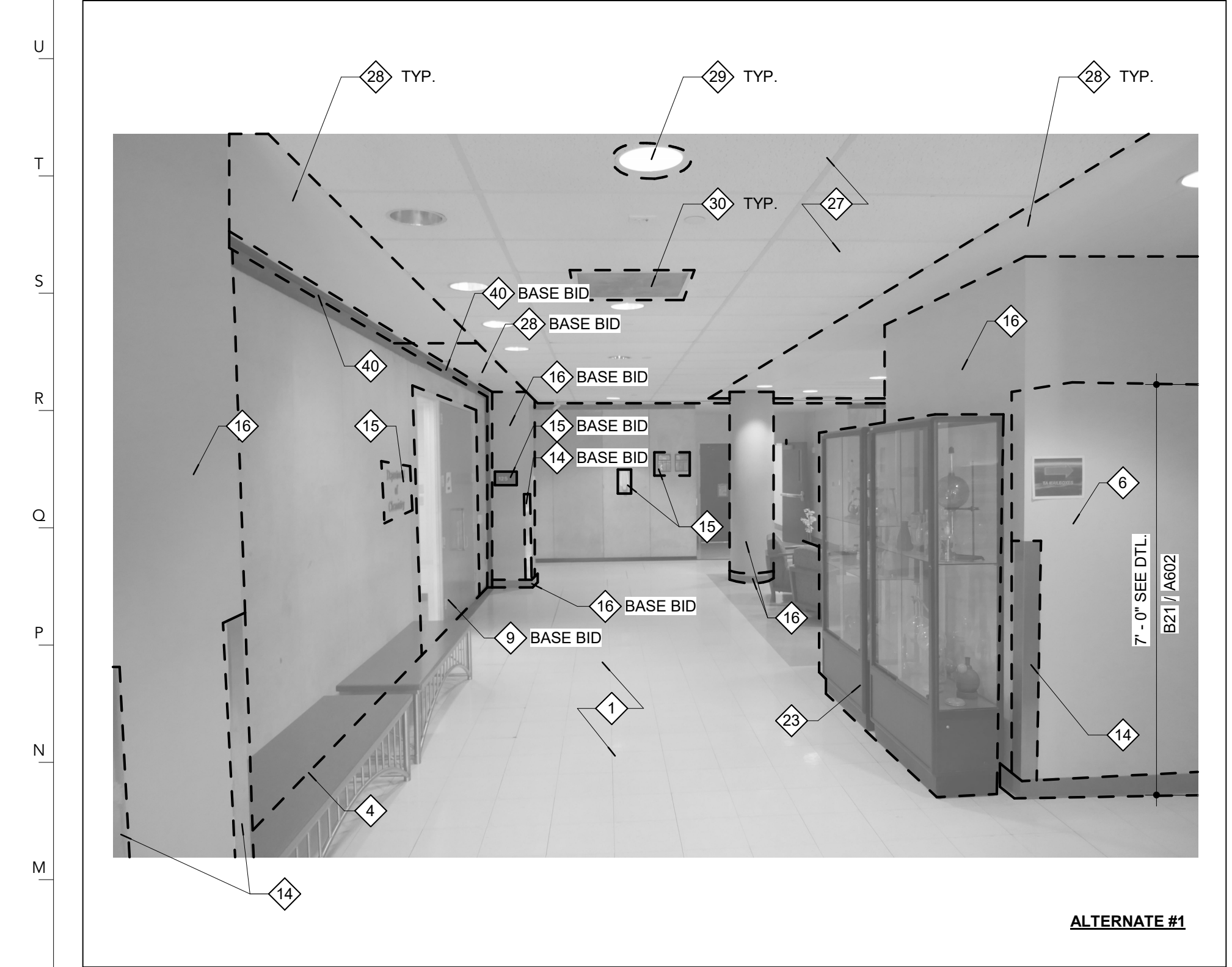
125 OFFICE - DEMO PHOTO 1 | **W27**



AV100B VESTIBULE - DEMO PHOTO 1 | **W17**



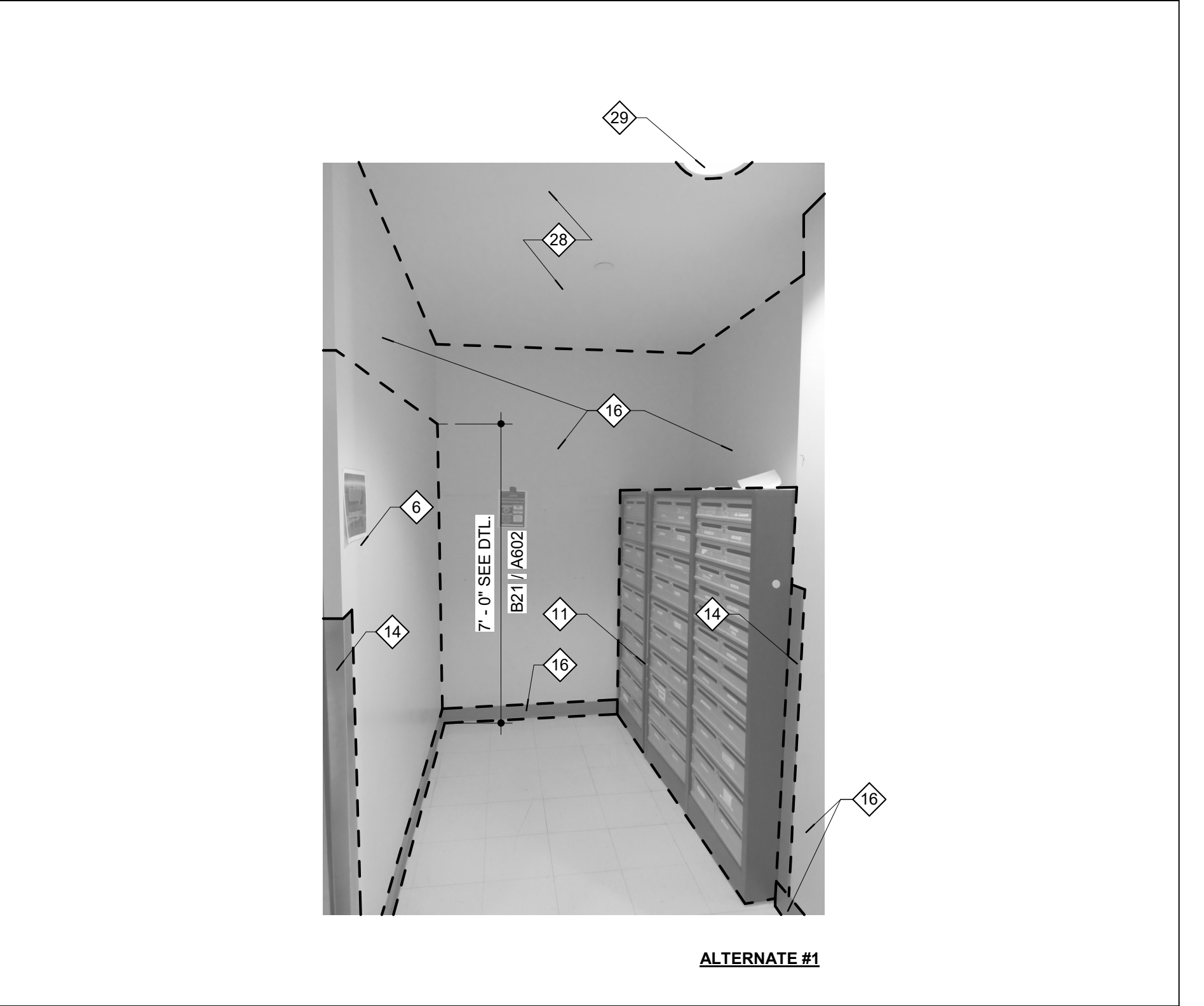
AV100B VESTIBULE - DEMO PHOTO 2 | **W7**



AC100A LOBBY - DEMO PHOTO 1 | **L27**



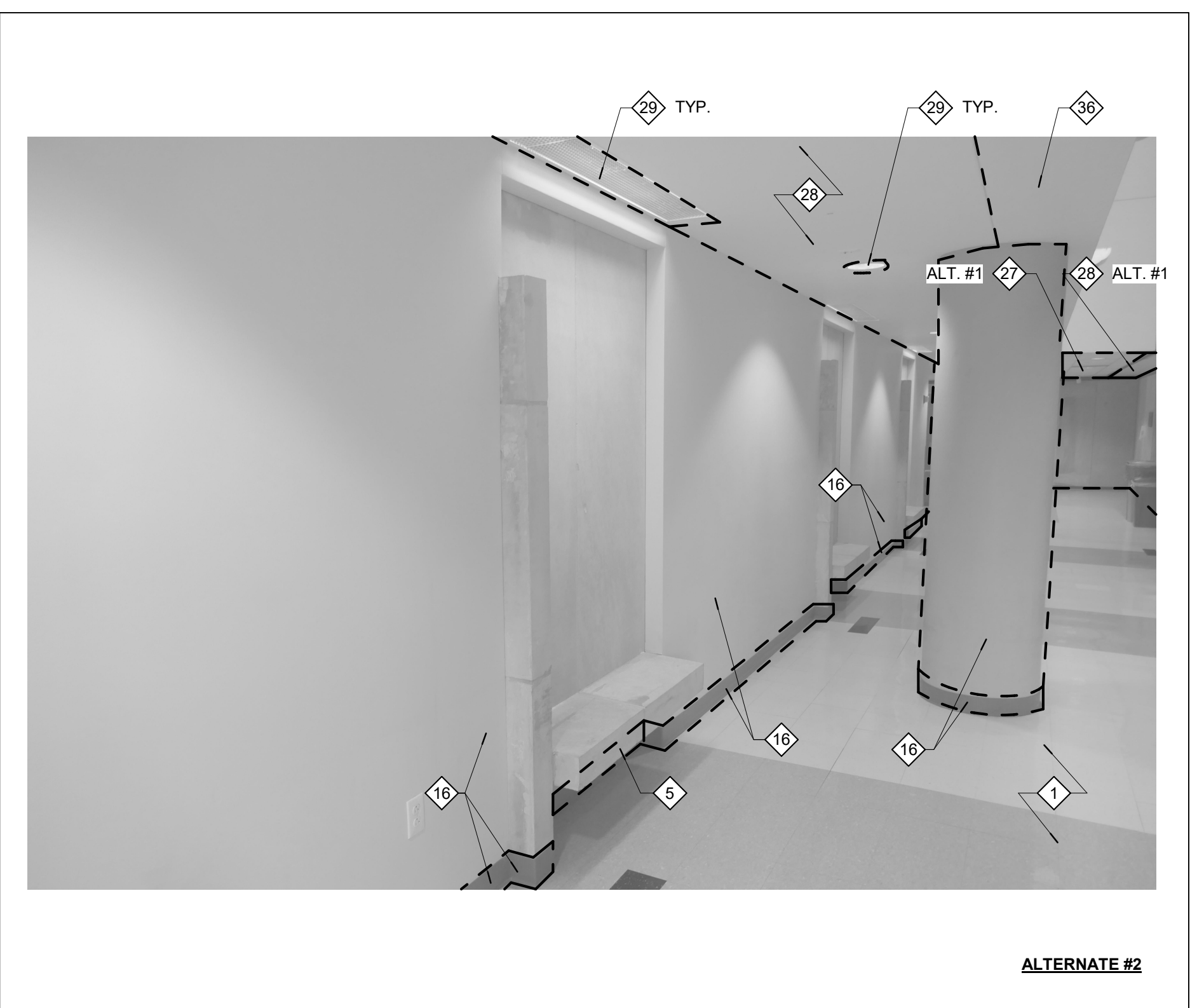
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AC100A LOBBY - DEMO PHOTO 3 | **L7**



AC100A LOBBY - DEMO PHOTO 4 | **B27**



AC100B CORRIDOR - DEMO PHOTO 1 | **B17**



AC100B CORRIDOR - DEMO PHOTO 2 | **B7**

### DEMOLITION PLAN NOTES

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- 35 REMOVE EXISTING SPEAKER AND ASSOCIATED HARDWARE. RE: ELECTRICAL DRAWINGS.
- 36 PATCH AND PREPARE EXISTING GYPSUM BOARD CEILING TO BE REPAINTED. RE: ELECTRICAL FOR ELEMENTS TO BE REMOVED.
- 37 EXISTING MILLWORK TO REMAIN. PROTECT DURING CONSTRUCTION.
- 38 REMOVE FLOOR TILE AND ADHESIVE. CLEAN EXISTING STRUCTURAL FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- 39 REMOVE VINYL TILE FLOORING AND ADHESIVE. ADHERE TO OWNER'S UNIVERSAL-HAZARDOUS MATERIALS REMOVAL AND DISPOSAL PROCEDURES OUTLINED IN THE SPECIFICATIONS. CLEAN EXISTING CONCRETE FLOOR SLAB AND PREPARE TO RECEIVE NEW FINISHES.
- 40 REMOVE EXISTING EXPANSION JOINT COVER.



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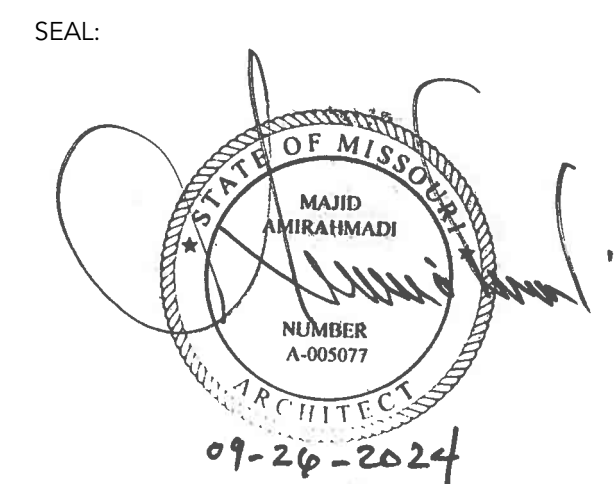
FOR THE CURATORS OF  
THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR  
CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: AA, IC  
DRAWN BY: IC  
CHECKED BY: AA  
APPROVED BY: MA

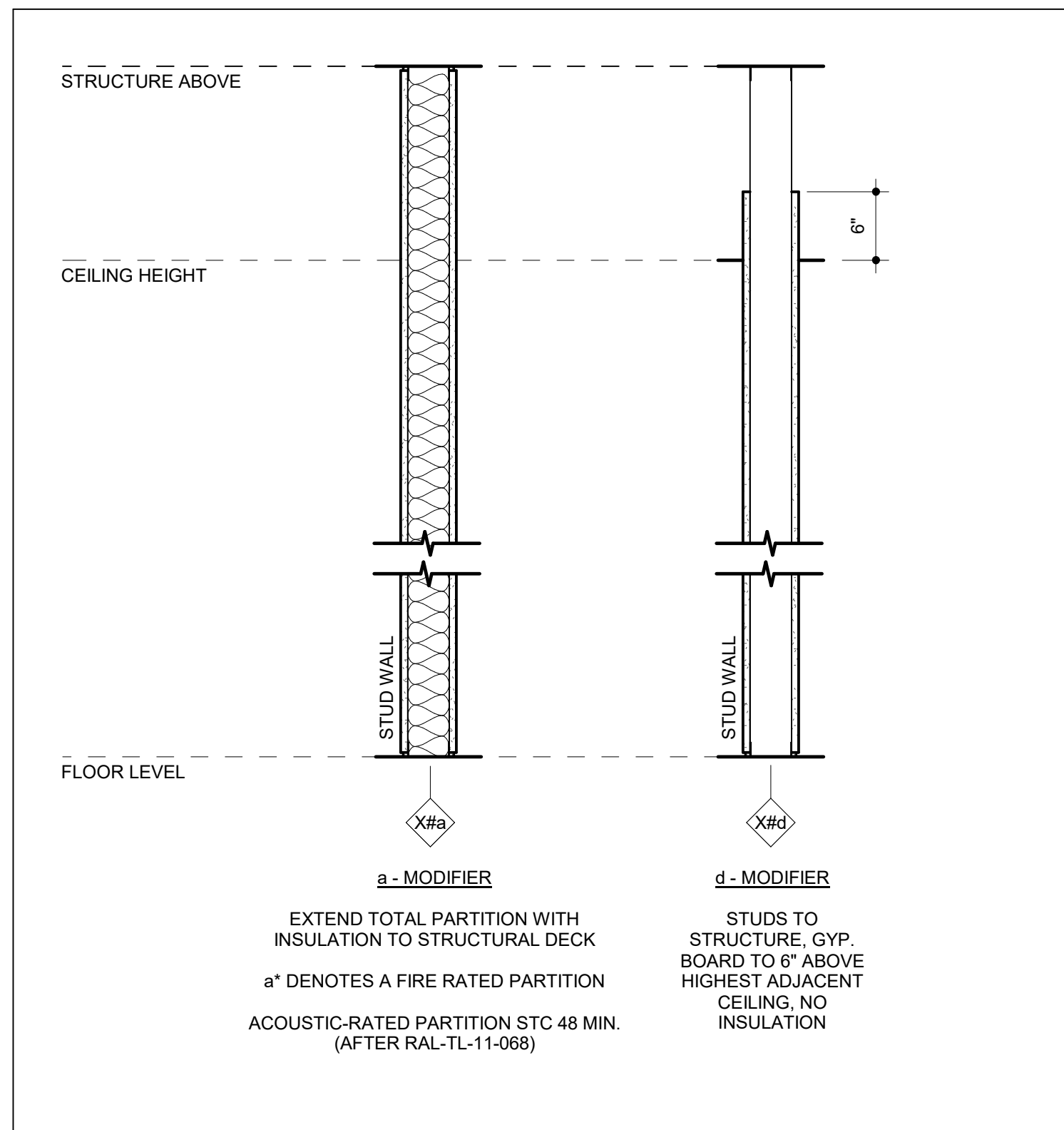


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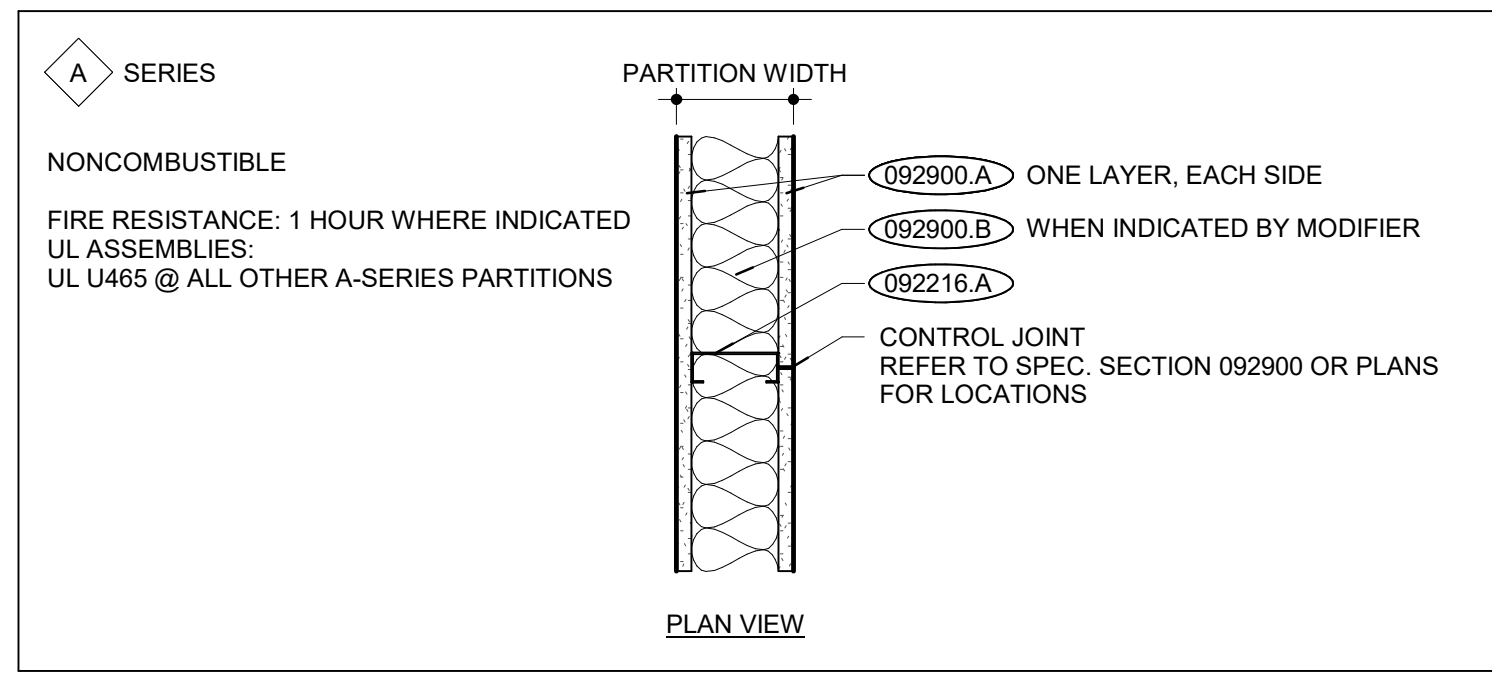
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0	ISSUED FOR CONSTRUCTION		09/26/2024

WALL TYPES

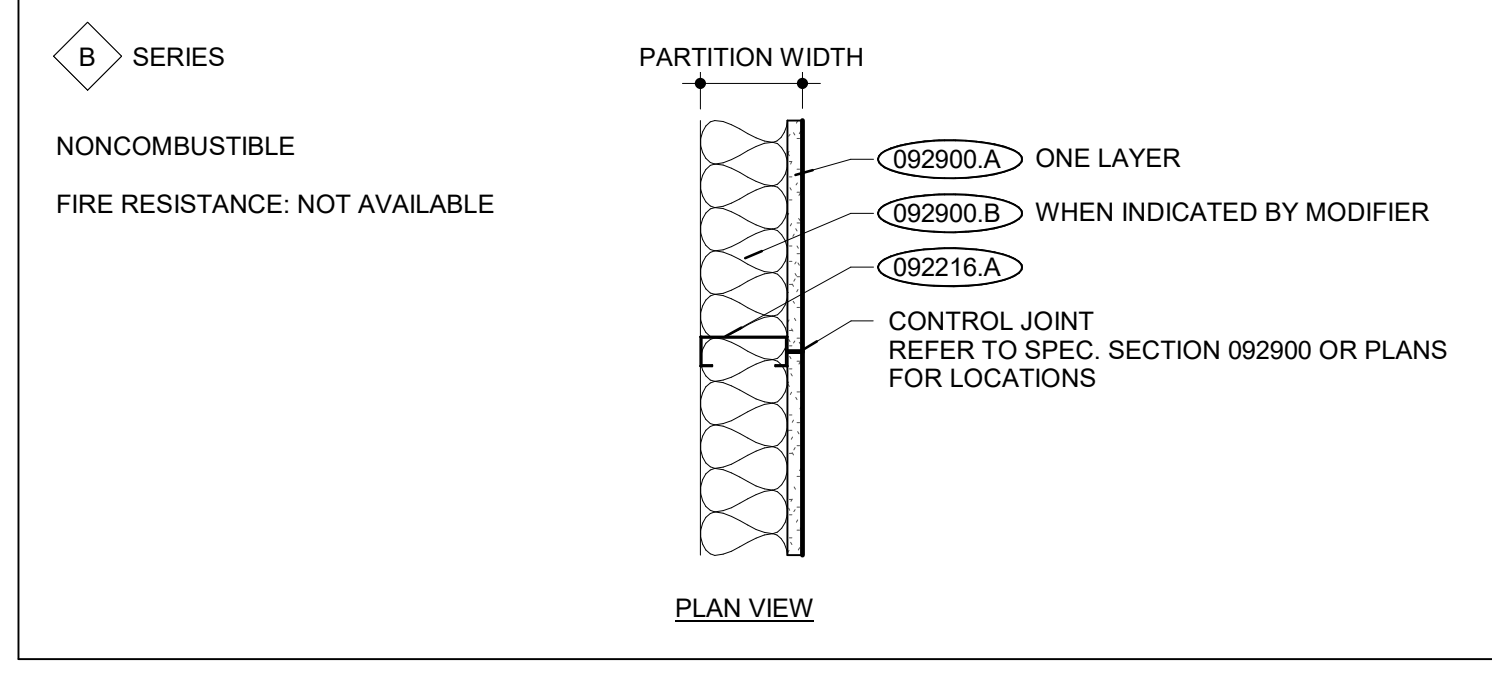
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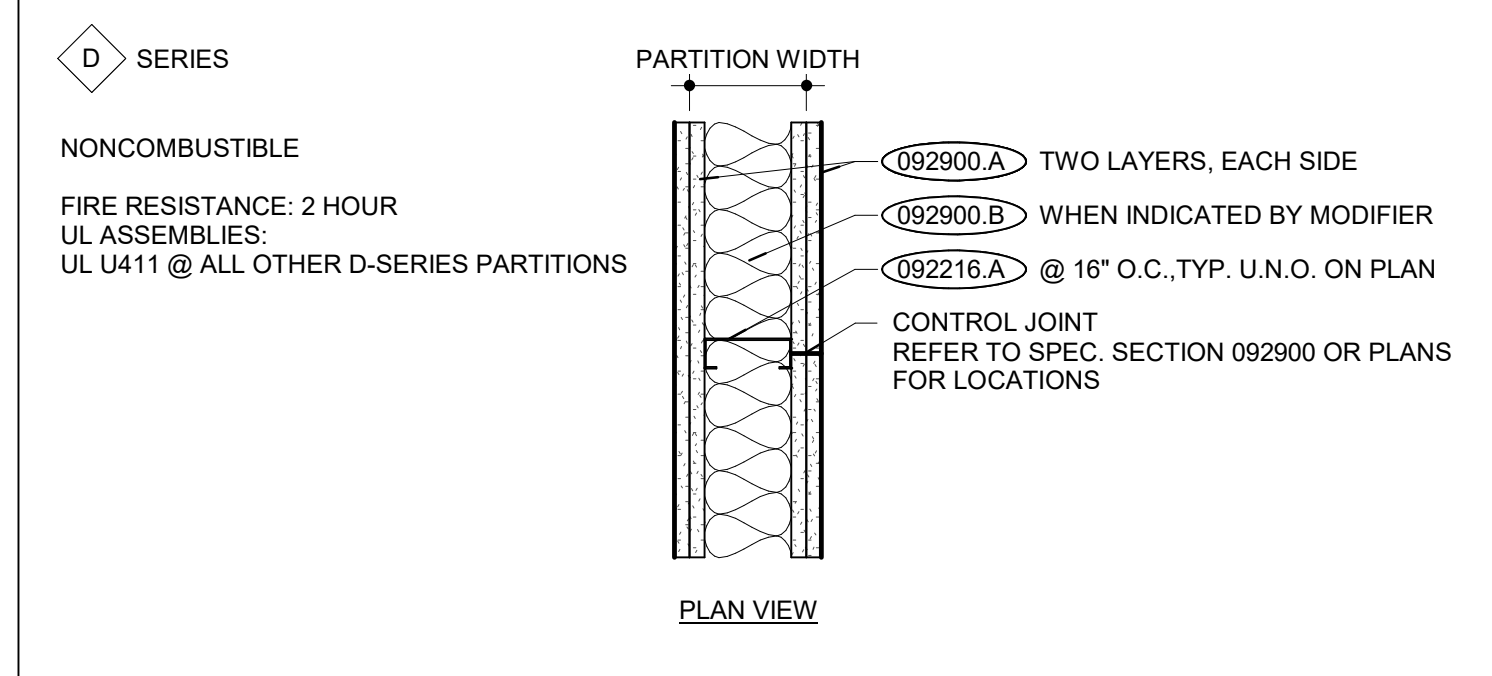
### PARTITION MODIFIER KEY | V13



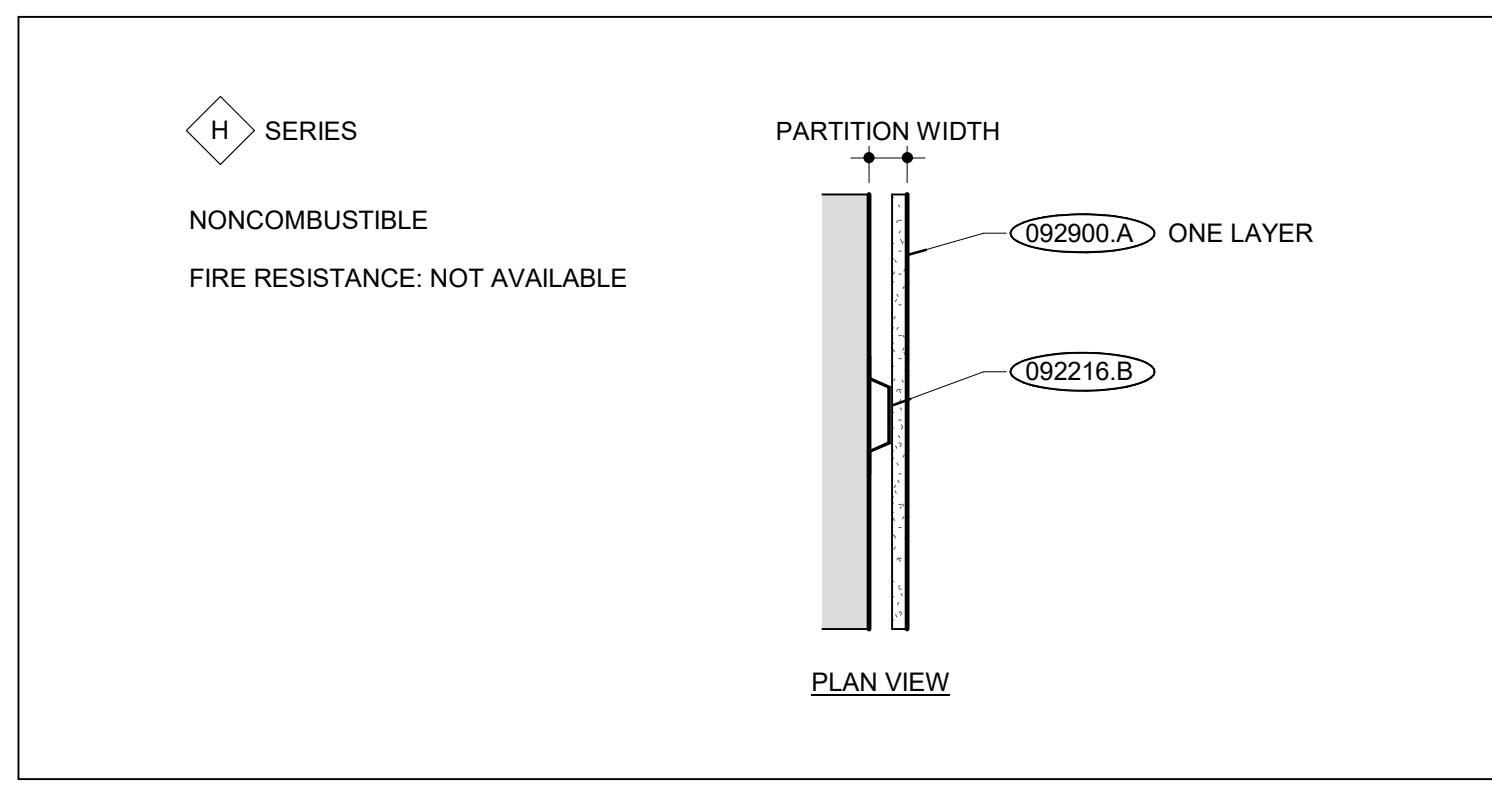
### PARTITION TYPE - A SERIES | R13



### PARTITION TYPE - B SERIES | L13



### PARTITION TYPE - D SERIES | G13



### PARTITION TYPE - H SERIES | B13

- A. PARTITION TYPES SHOW GENERAL REQUIREMENTS FOR PARTITIONS. REFER TO SPECIFICATIONS, PRODUCT TECHNICAL DATA, AND REQUIREMENTS OF APPLICABLE TESTING AGENCIES FOR SPECIFICS OF PARTITION CONSTRUCTION REQUIREMENTS.**
- B. PARTITION REQUIREMENTS SHOWN ARE MINIMUM STANDARDS. WHERE ACTUAL CONDITIONS CAUSE PARTITION(S) TO EXCEED LIMITS, REINFORCE PARTITION(S) AS REQUIRED.**
- C. MINIMUM STC RATINGS INDICATED ARE BASED ON PARTITION TYPES WITH 'a' MODIFIER ONLY AT ACOUSTIC-RATED PARTITIONS (STC). PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.**
- D. AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS, AND OTHER FLUSH OR PENETRATING ITEMS WITH CONTINUOUS BEAD OF SEALANT.**
- E. SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.**
- F. FILL EACH JOINT AND PENETRATION IN EACH PARTITION WITH INSULATION TO ACHIEVE ACOUSTIC RATING (STC) AND SEAL ACCORDINGLY.**
- G. TYPICAL FLOOR PLAN DIMENSIONS FOR PARTITIONS ARE TO FINISH FACE OF GYPSUM BOARD OR MASONRY UNLESS NOTED OTHERWISE. MAINTAIN DIMENSION BETWEEN FACE OF FINISHES. PROVIDE FIRESTOPPING AT PENETRATIONS AND CONNECTIONS TO ADJACENT ASSEMBLIES IN FIRE-RATED PARTITIONS COMPLIANT WITH APPLICABLE TESTING AGENCY REQUIREMENTS.**
- H. ALL PENETRATIONS THROUGH FIRE-RESISTANCE RATED PARTITIONS SHALL BE SEALED WITH MATERIALS AND ASSEMBLIES NECESSARY TO MAINTAIN THE REQUIRED RATING OF THE WALL, FLOOR, AND/OR ROOF.**
- I. FIRE AND/OR ACOUSTIC TEST REFERENCES CALLED OUT MAY VARY DEPENDING ON THE MANUFACTURER OF COMPONENTS ACTUALLY USED.**
- J. ENSURE FINISH SURFACES ARE FLUSH AND SEAMLESS WHERE PARTITIONS AND/OR FURRING ARE COP PLANAR.**
- K. ISOLATE NON-BEARING FRAMING FROM STRUCTURAL ELEMENTS TO PREVENT TRANSFER OF LOADS TO PARTITION FRAMING.**
- L. WALL FRAMING SHALL COORDINATE WITH REQUIRED MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND OTHER WORK.**
- M. GYPSUM WALL CONTROL JOINTS (C.J.) SHALL BE INSTALLED AT A MAXIMUM 30'-0" O.C. AND AT MAJOR INTERRUPTIONS TO WALL SURFACE, SUCH AS DOORS, WINDOWS, AND EQUIPMENT OPENINGS. SEE ARCHITECTURAL PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL LOCATIONS REQUIRED.**
- N. RECESSED ITEMS SHALL BE INSTALLED FLUSH WITH PARTITIONS U.N.O. PARTITION DEPTH MUST BE ADJUSTED TO ACCOMMODATE DEPTH OF RECESSED ITEM OR AS DIRECTED BY ARCHITECT.**

### PARTITION NOTES | V5

PARTITION TYPE	STUD WIDTH	PARTITION WIDTH	NOTES
A3a	3 5/8"	4 7/8"	
B2d	2 1/2"	3 1/8"	
B3d	3 5/8"	4 1/4"	
D3a*	3 5/8"	6 1/8"	
H78d	7/8"	1 1/2"	

### PARTITION NAMING LEGEND | R5

PARTITION TYPE	STUD WIDTH	PARTITION WIDTH	NOTES
A3a	3 5/8"	4 7/8"	
B2d	2 1/2"	3 1/8"	
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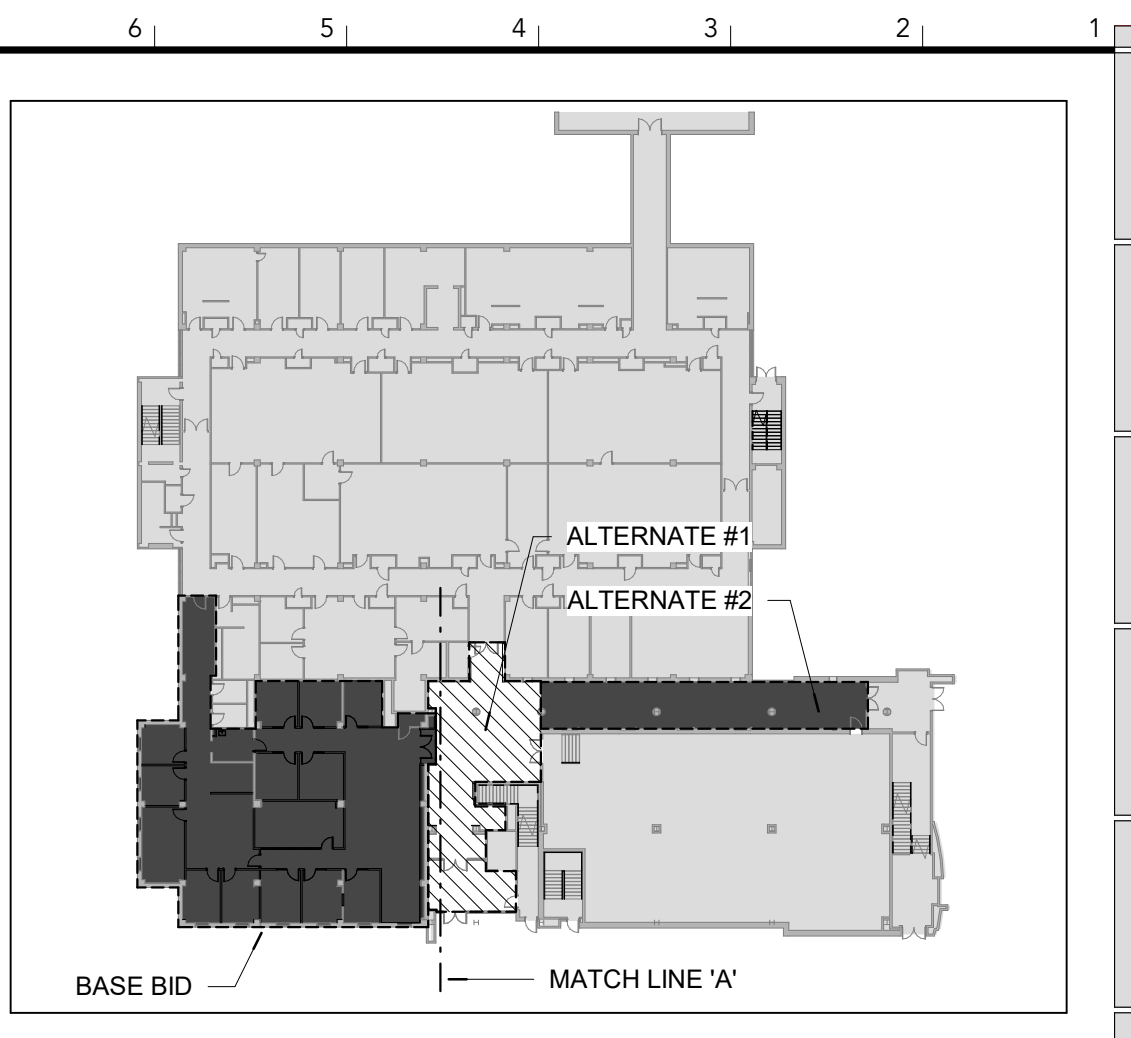
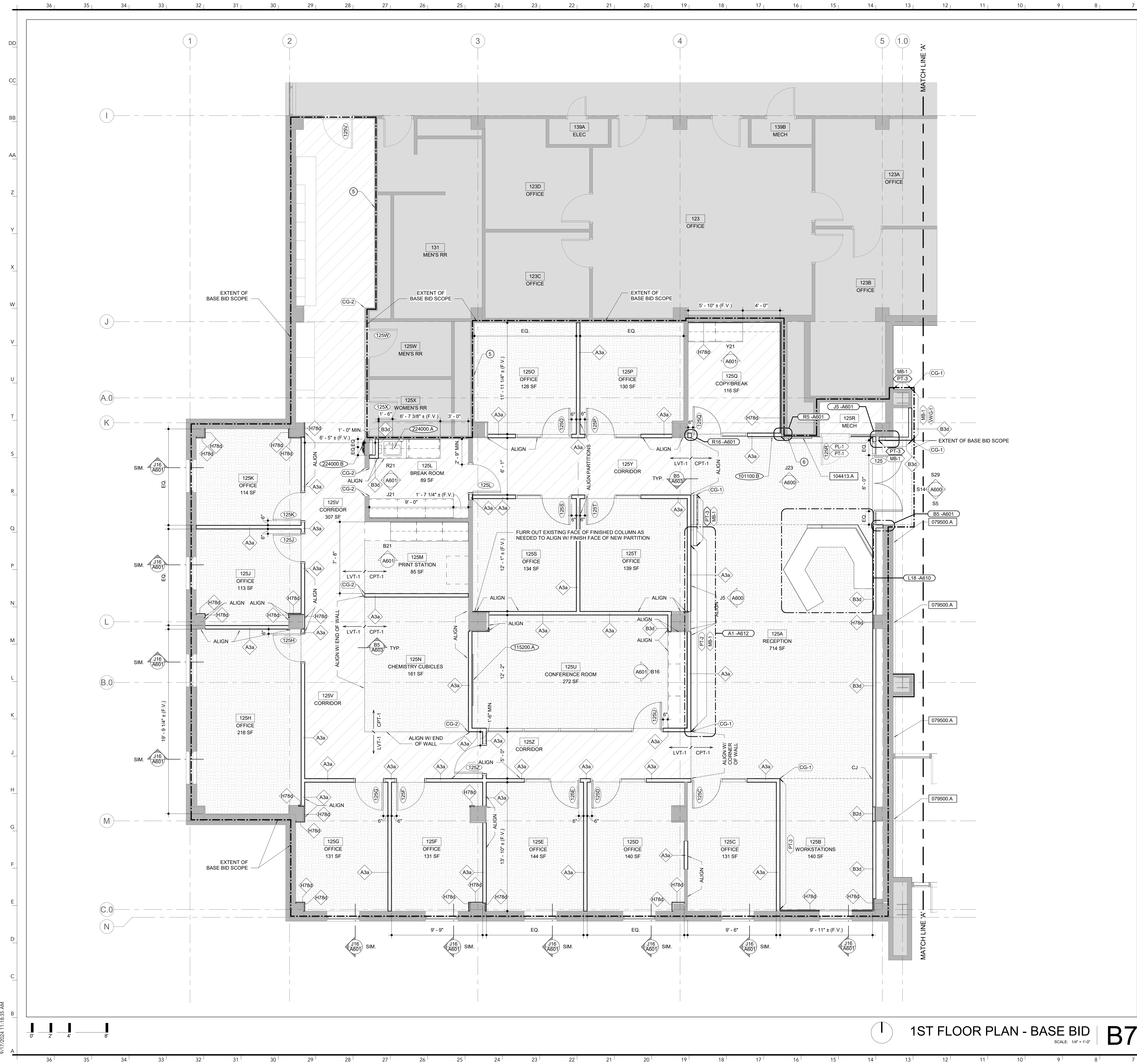
### PARTITION SCHEDULE | L5

NO.	REVISION	SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION		09/26/2024

- EXISTING CONSTRUCTION** 000000.X
- EXISTING CONSTRUCTION** 000000.X \*
- NEW CONSTRUCTION** 000000.X
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- DIVISION 08 OPENINGS**
- DIVISION 09 FINISHES**  
092216.A 5/8" METAL STUD  
092216.B 7/8" FURRING HAT CHANNEL  
092900.A 5/8" GYPSUM BOARD  
092900.B SOUND ATTENUATION BLANKETS
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**

### NOTES | B1

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**KEY PLAN | Z1**  
SCALE: N.T.S.

**EXISTING CONSTRUCTION** 000000.X  
**EXISTING CONSTRUCTION** 000000.X ★  
 TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET.  
**NEW CONSTRUCTION** 000000.X  
**FINISH TAG** <XXXX>

**FLOOR PLAN NOTES:**

- INDICATES AREAS OF BUILDING NOT IN CONTRACT
- INDICATES EXISTING WALL TO REMAIN
- LVT-1 LUXURY VINYL TILE, RE: 096510
- LVT-2 LUXURY VINYL TILE, RE: 096510
- CPT-1 CARPET TILE, RE: 096813
- CPT-2 CARPET TILE, RE: 096813
- CPT-3 ENTRANCE FLOOR MAT, RE: 096813
- CG-1 STEPPED OUTSIDE CORNER GUARD, RE: 102600
- CG-2 CORNER TRIM CORNER GUARD, RE: 102600

- RELOCATED DISPLAY CASES. COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- RELOCATED VENDING MACHINES. COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- EXISTING FIRE EXTINGUISHER CABINET TO REMAIN.
- RELOCATED MAILBOXES. COORDINATE WITH OWNER'S REPRESENTATIVE FOR RELOCATION.
- EXISTING ACCESS PANEL TO REMAIN. PAINT TO MATCH ADJACENT WALL.
- EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN. REPAIR TO MATCH ADJACENT WALL AND RE-LABEL.

- COORDINATION NOTES:**
- REFER TO G001 FOR GENERAL NOTES AND GENERAL DEMOLITION NOTES.
  - ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  - PROVIDE BLOCKING CONCEALED IN WALLS FOR ALL WALL-MOUNTED WOODWORK, FINISH CARPENTRY, ACCESSORIES, CASEWORK, HARDWARE, AND OTHER SIMILARLY WALL-MOUNTED ITEMS.
  - FOR ADDITIONAL REVISIONS TO GROUND FLOOR PLAN, REFER TO DETAIL T5 / A420.

**DIVISION 07 THERMAL + MOISTURE PROTECTION**  
 079500.A 3" EXPANSION JOINT COVER

**DIVISION 10 SPECIALTIES**  
 101100.B FABRIC WRAPPED TACKBOARD  
 104413.A FIRE EXTINGUISHER CABINET

**DIVISION 11 EQUIPMENT**  
 115200.A DIGITAL MONITOR, OWNER FURNISHED & INSTALLED

**DIVISION 22 PLUMBING**  
 224000.A SINK (REPLUMBING)  
 224000.B BOTTLE FILLER (REPLUMBING)

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**ISSUED FOR CONSTRUCTION**  
 125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA

SEAL:

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0	ISSUED FOR CONSTRUCTION	09/26/2024

**1ST FLOOR PLAN - BASE BID**

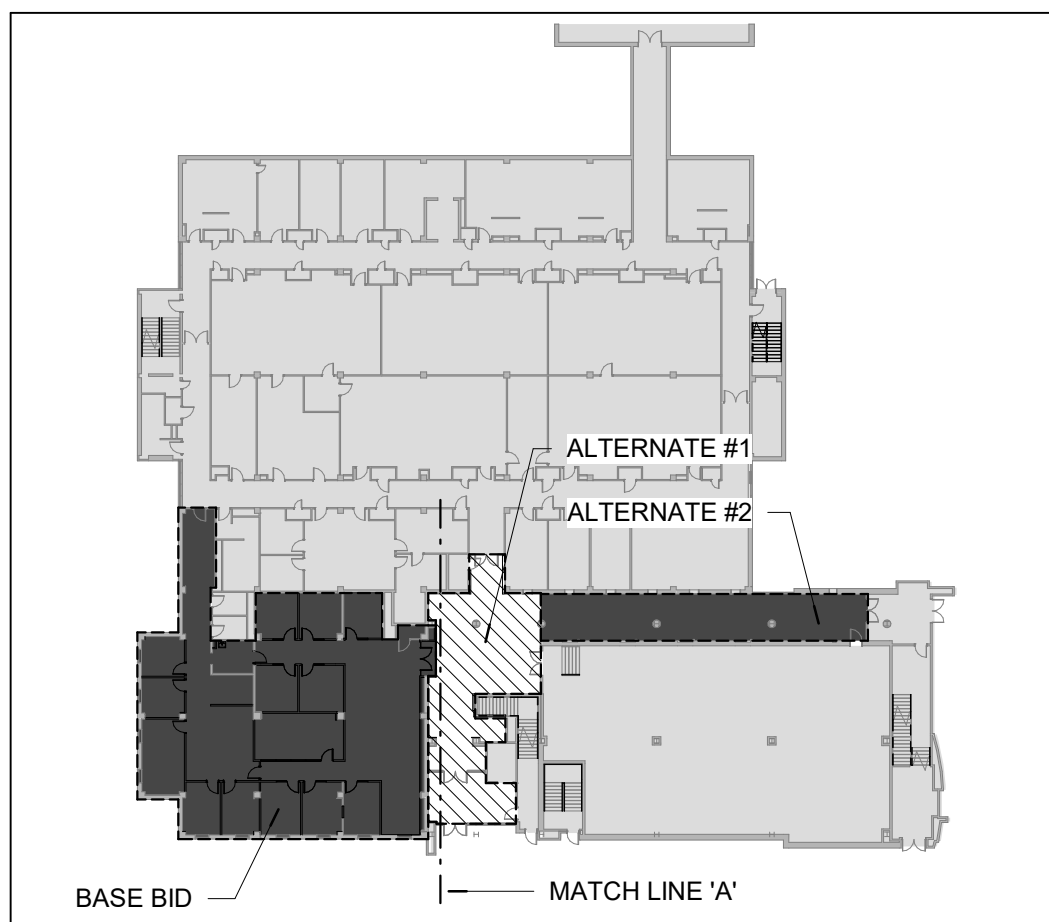
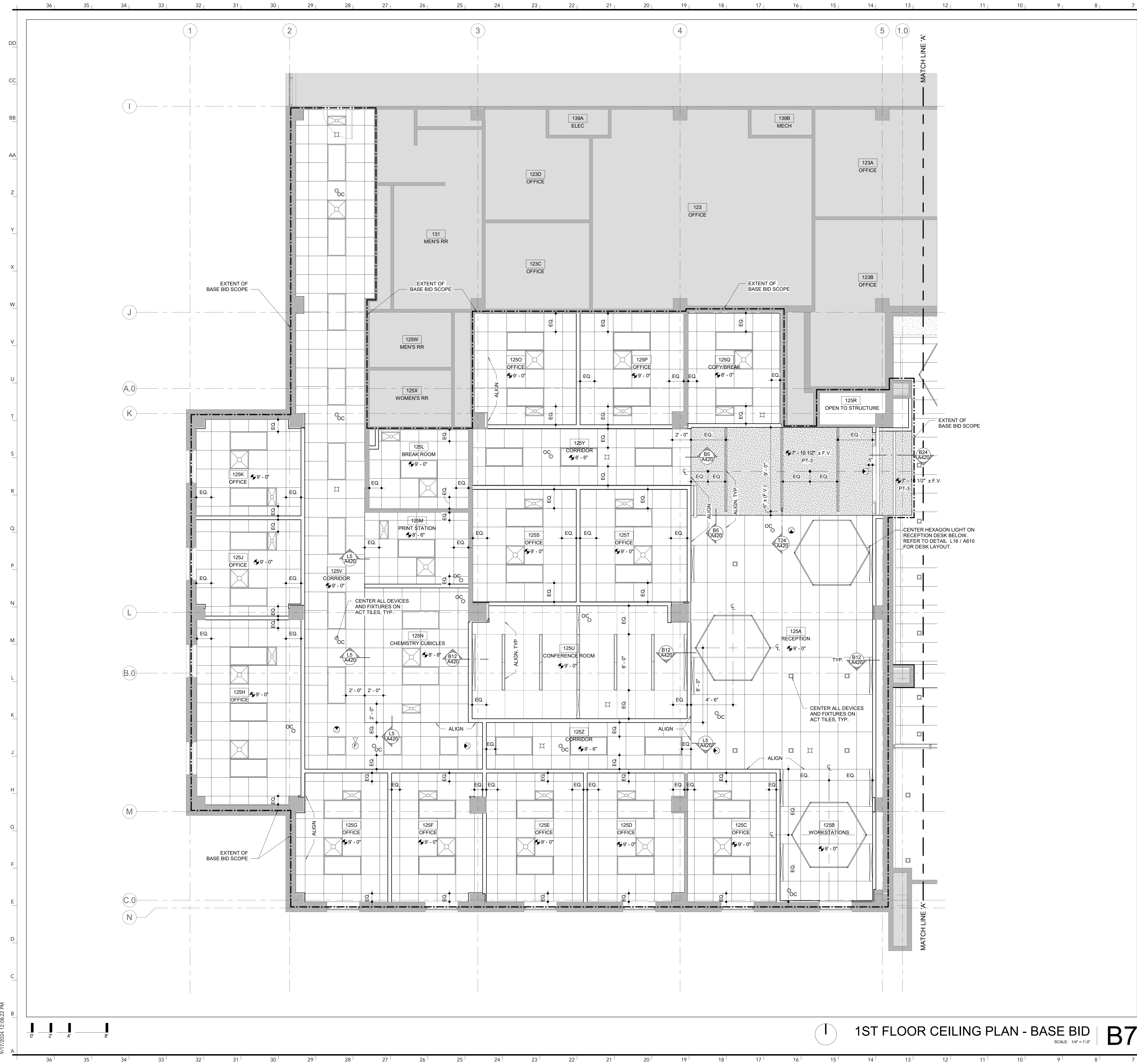
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**1ST FLOOR PLAN - BASE BID | B7**  
SCALE: 1/8" = 1'-0"

**NOTES | B1**

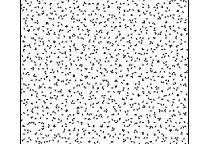
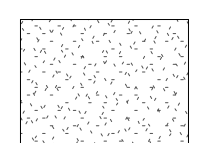
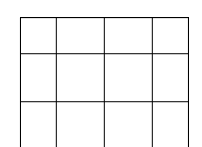
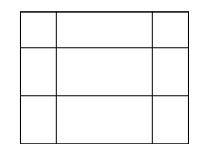
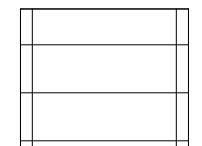
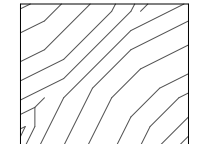
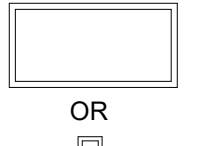
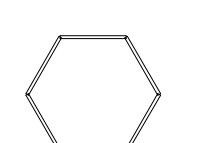

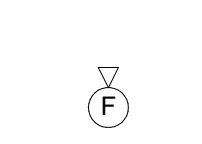
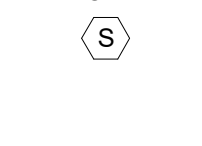
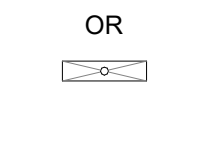




**KEY PLAN** | Z1  
SCALE: N.T.S.

**CEILING NOTES:**

- REFER TO SHEET E000 AND M000 FOR GENERAL NOTES & SYMBOLS.
- ALL DEVICES, SPRINKLER HEADS, AND FIXTURES LOCATED ON ACOUSTIC PANEL CEILINGS SHALL BE LIMITED TO (1) ELEMENT PER ACOUSTIC TILE AND CENTERED ON TILE, U.N.O.

- 
**GWB-1**  
 NEW GYPSUM BOARD CEILING. PAINT.  
 RE. 092900.
- 
**GWB-2**  
 EXISTING GYPSUM BOARD CEILING. PAINT.  
 RE. 099123.
- 
**ACT-1**  
 NEW 24" X 24" ACOUSTICAL PANEL  
 CEILING, GRID, AND SUSPENSION SYSTEM.  
 RE. 095113.
- 
**ACT-2**  
 NEW 24" X 48" ACOUSTICAL PANEL  
 CEILING, GRID, AND SUSPENSION SYSTEM.  
 RE. 095113.
- 
**ACT-3**  
 NEW 24" X 72" ACOUSTICAL PANEL  
 CEILING, GRID, AND SUSPENSION SYSTEM.  
 RE. 095113.
- 
**VWP-1**  
 NEW WOOD VENEER PANEL SYSTEM.  
 RE. 062023.
- 
 LIGHT FIXTURES, RE: ELECTRICAL.
- 
**NEW SINGLE FACE**  
 CEILING MOUNTED EXIT SIGN
- 
 OCCUPANCY SENSOR, RE: ELECTRICAL
- 
 FIRE ALARM DEVICE, RE: ELECTRICAL
- 
 DIFFUSER, RE: MECHANICAL
- 
 SPRINKLER HEAD, RE: PLUMBING

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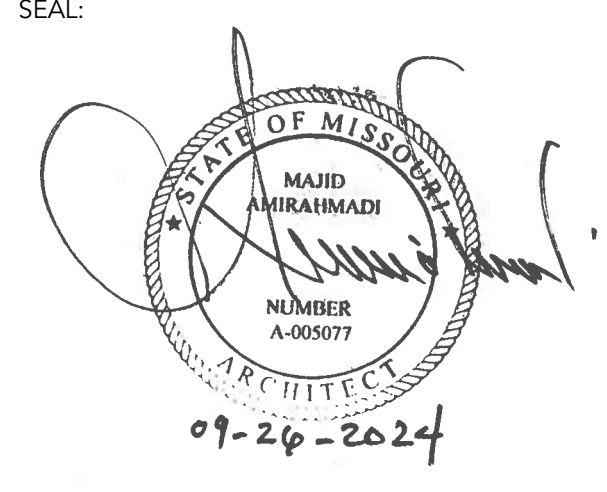
FOR THE CURATORS OF  
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**ISSUED FOR CONSTRUCTION**

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DATE:	09/26/2024
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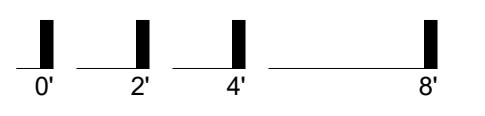
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**1ST FLOOR CEILING PLAN - BASE BID**

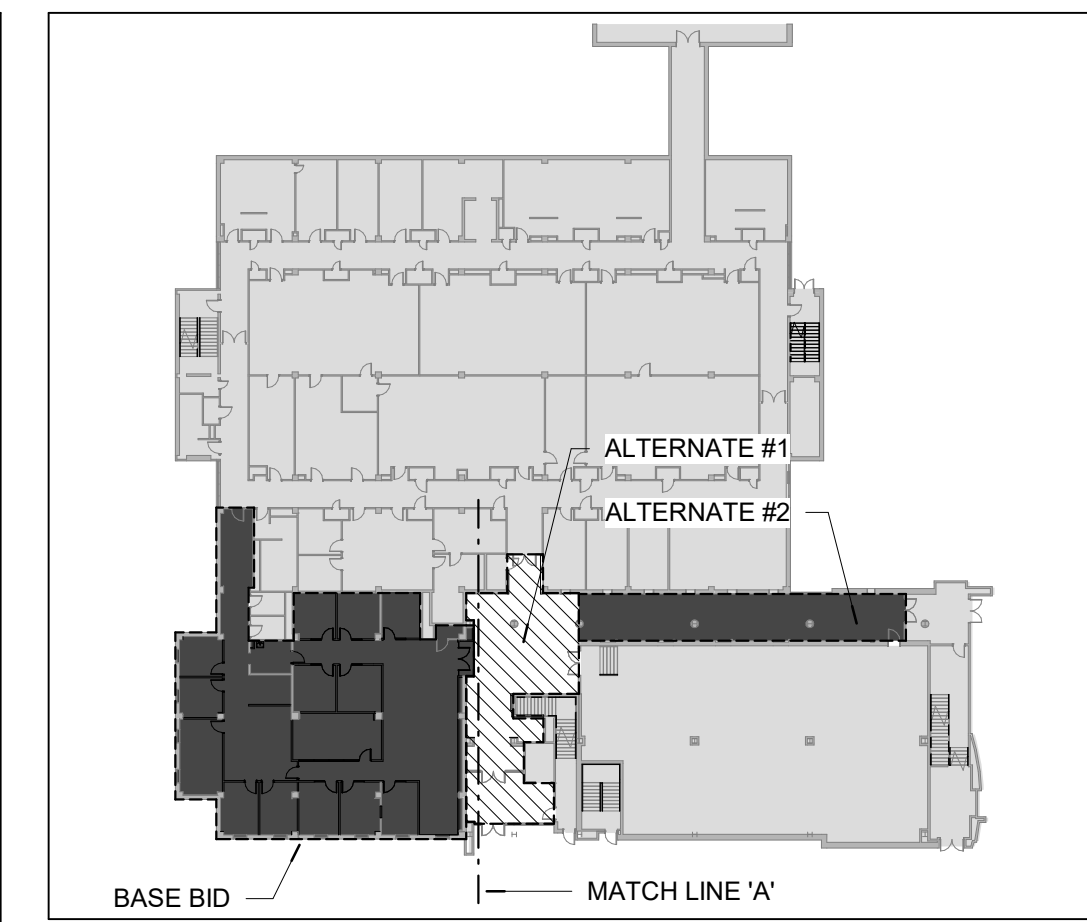
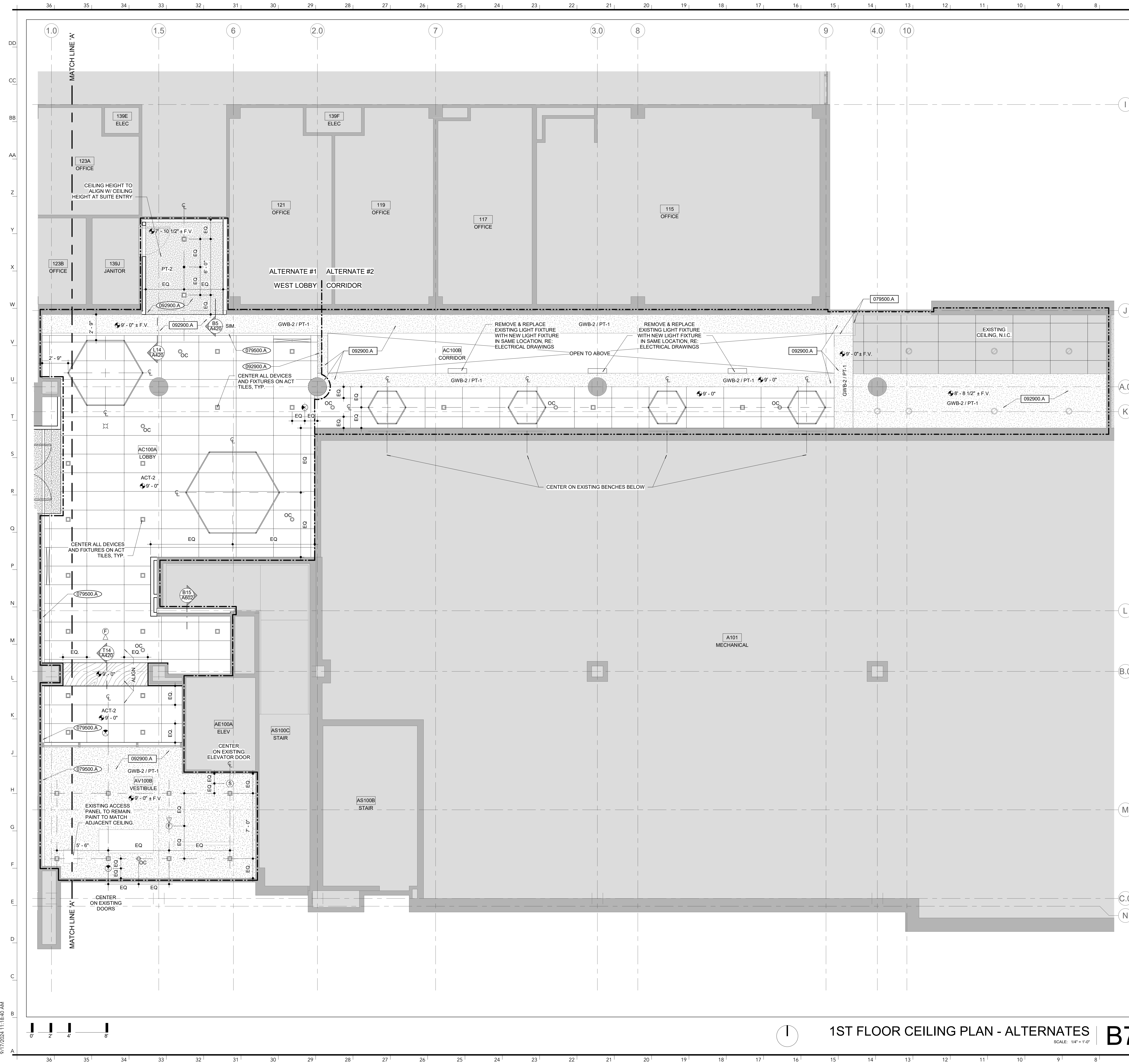
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**1ST FLOOR CEILING PLAN - BASE BID** | B7  
SCALE: 1/8" = 1'-0"

**NOTES** | B1



**EXISTING CONSTRUCTION** 000000 X  
**EXISTING CONSTRUCTION** 000000 X \*

TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET.

**NEW CONSTRUCTION** 000000 X

**CEILING NOTES:**

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**LEGEND:**

- GWB-1 NEW GYPSUM BOARD CEILING. PAINT. RE: 092900.
- GWB-2 EXISTING GYPSUM BOARD CEILING. PAINT. RE: 099123.
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- VWP-1 NEW WOOD VENEER PANEL SYSTEM. RE: 062023.
- LIGHT FIXTURES, RE: ELECTRICAL.
- NEW SINGLE FACE CEILING MOUNTED EXIT SIGN
- OCCUPANCY SENSOR, RE: ELECTRICAL
- FIRE ALARM DEVICE, RE: ELECTRICAL
- DIFFUSER, RE: MECHANICAL
- SPRINKLER HEAD, RE: PLUMBING

**DIVISION 07 THERMAL + MOISTURE PROTECTION**  
 079500.A 3" EXPANSION JOINT COVER

**DIVISION 09 FINISHES**  
 092900.A 5/8" GYPSUM BOARD

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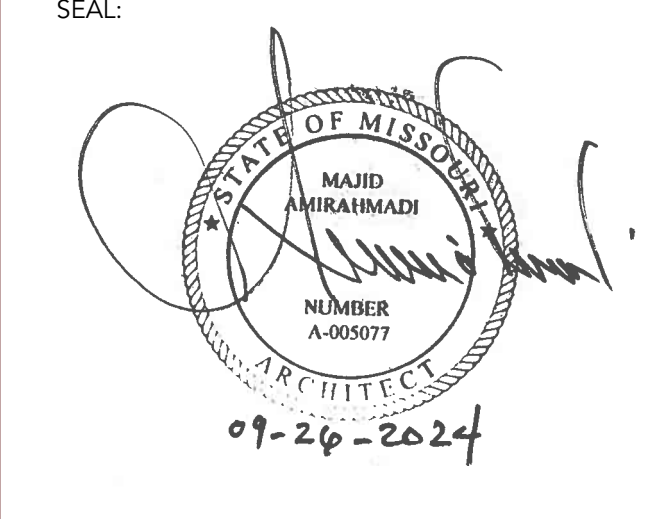


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 APPROVED BY: MA



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**1ST FLOOR CEILING PLAN - ALTERNATES**

**A401.1**

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SEAL:



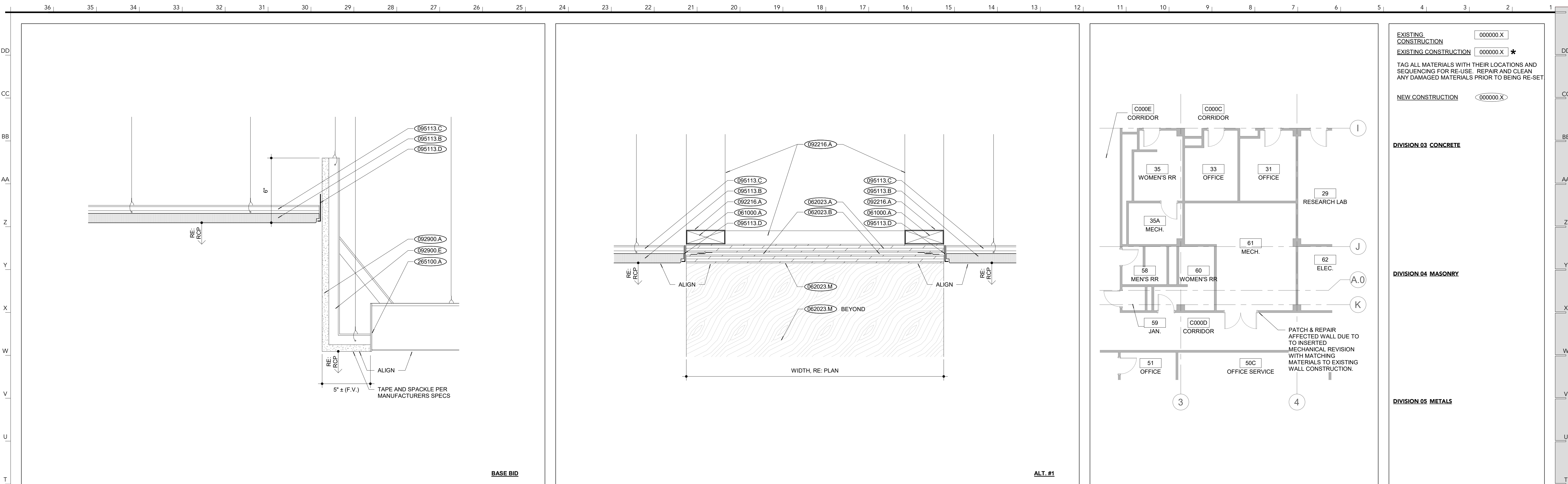
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CEILING DETAILS

# A420

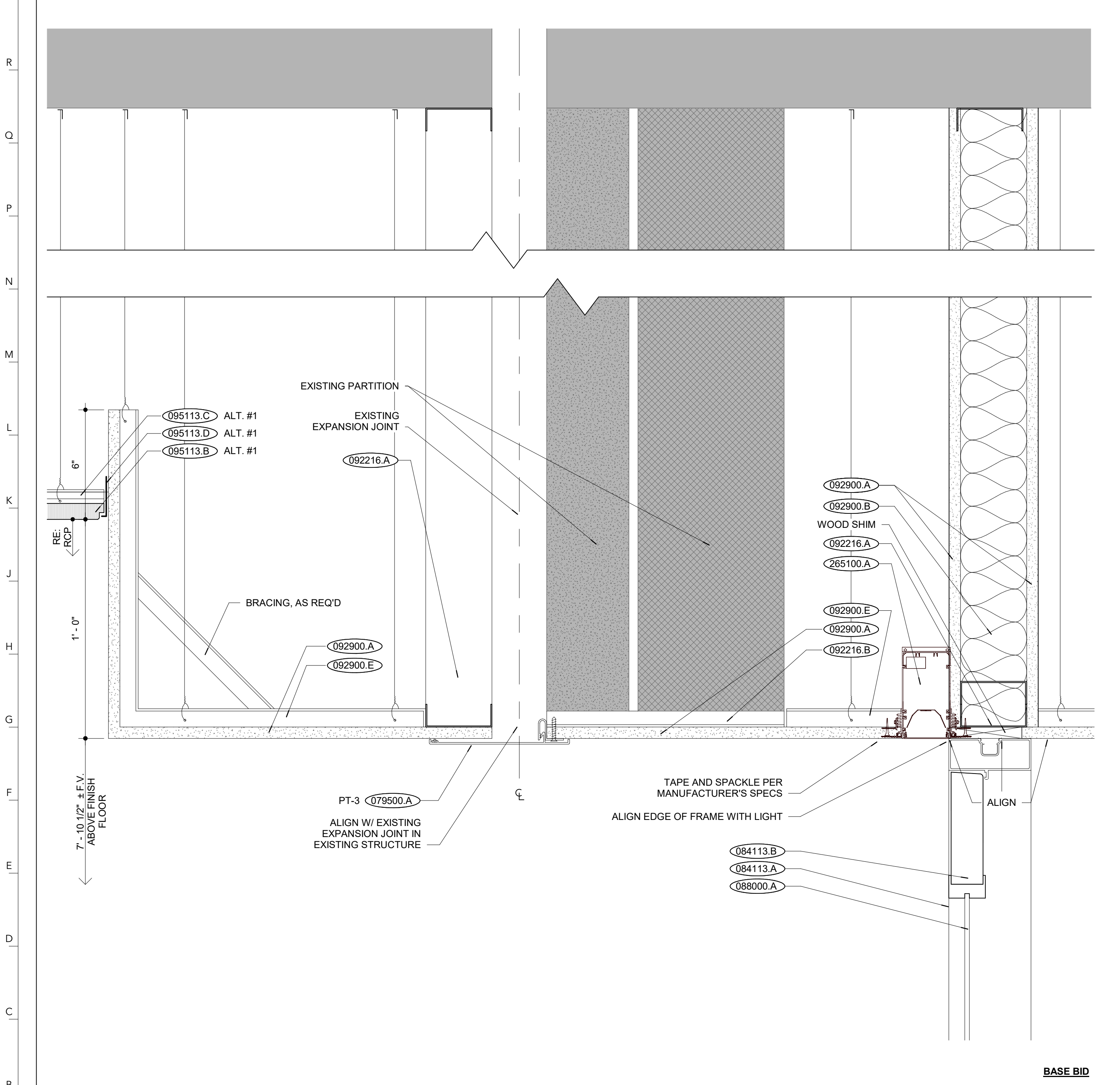
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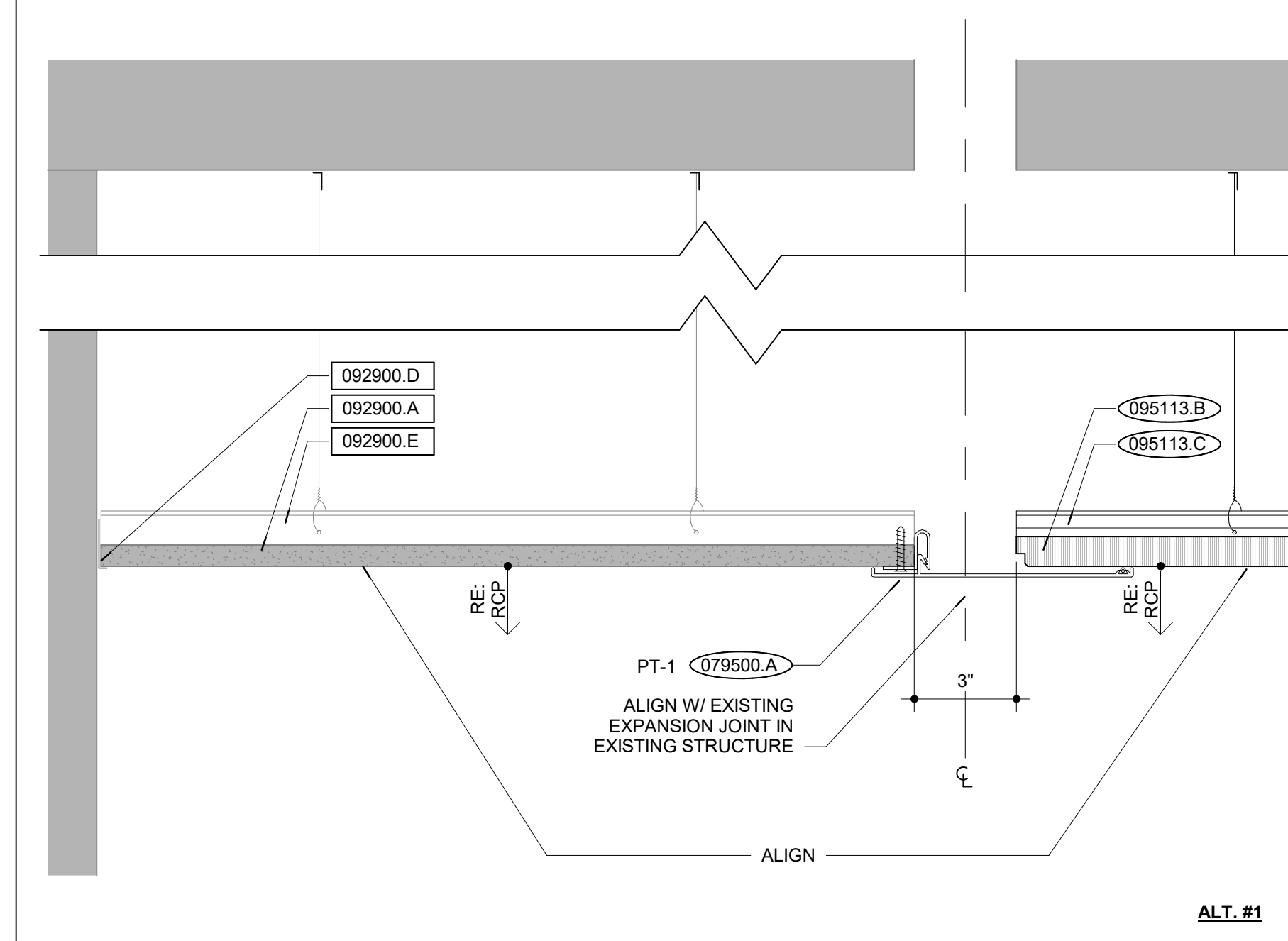
RECESSED LINEAR LIGHT IN SUSPENDED CEILING DTL | T2

WOOD PANEL CEILING TO ACT TRANSITION DTL | T1

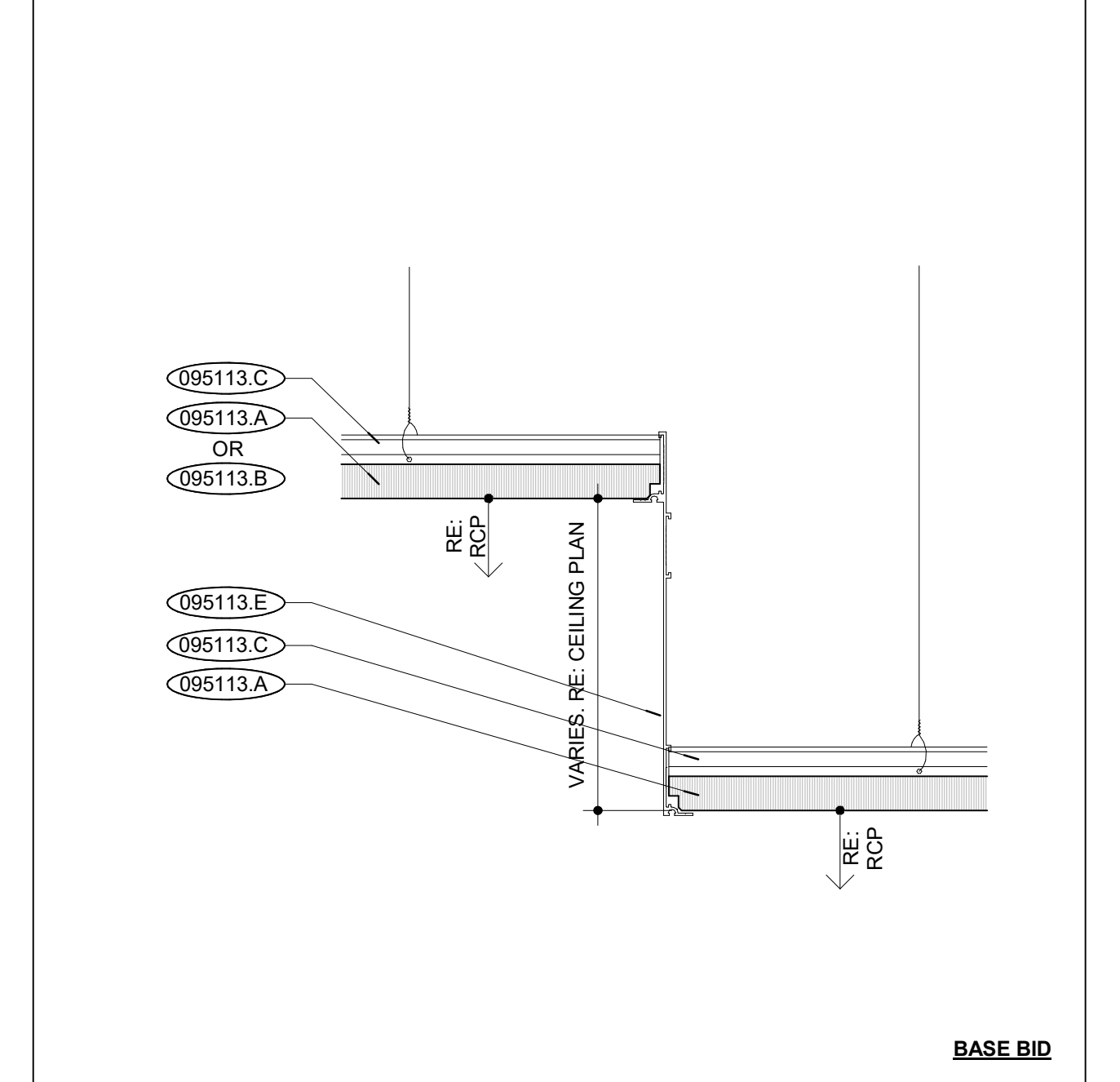
GROUND FLOOR MECH. ROOM | T5



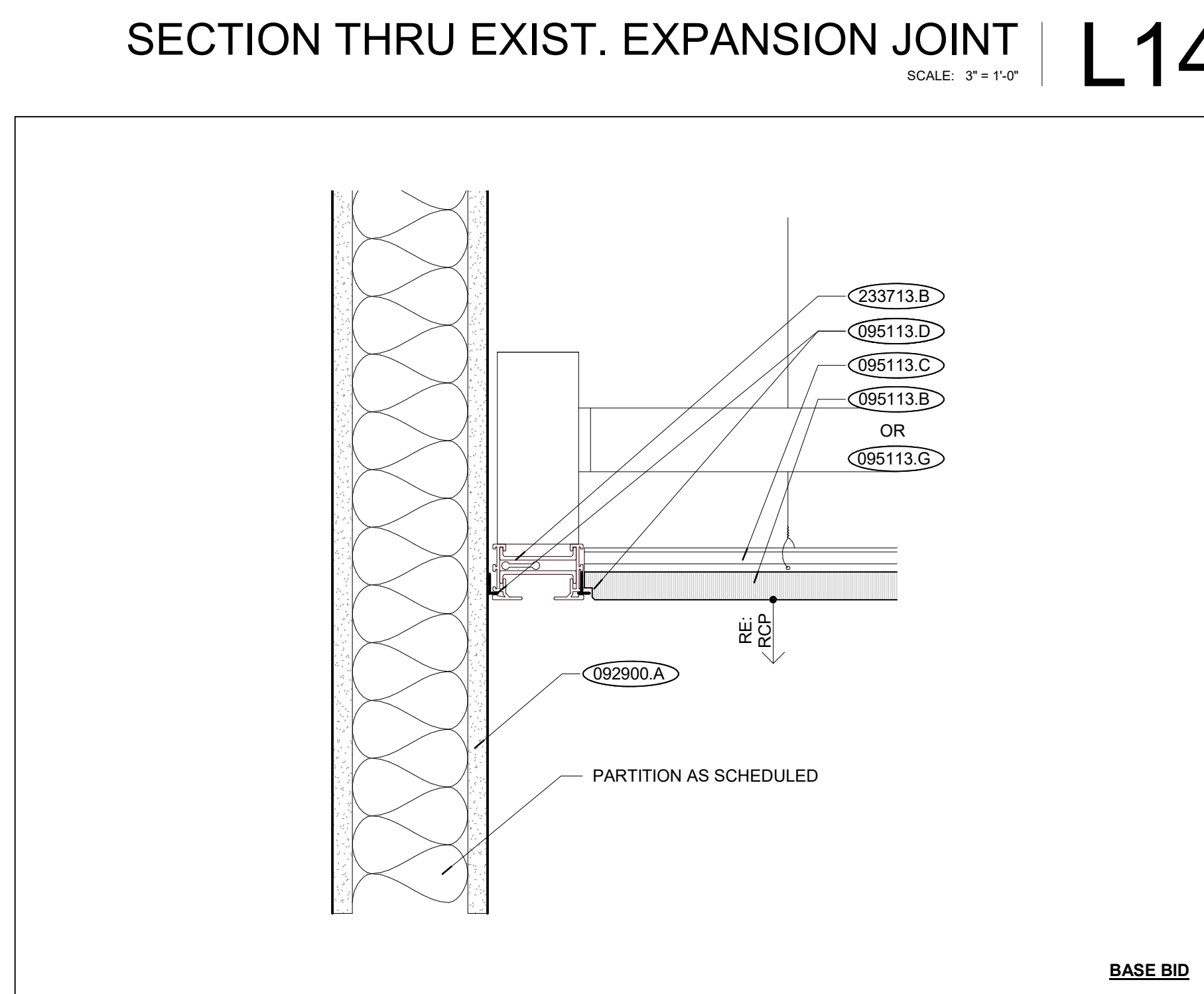
SECTION AT SUITE ENTRY CEILING | B24



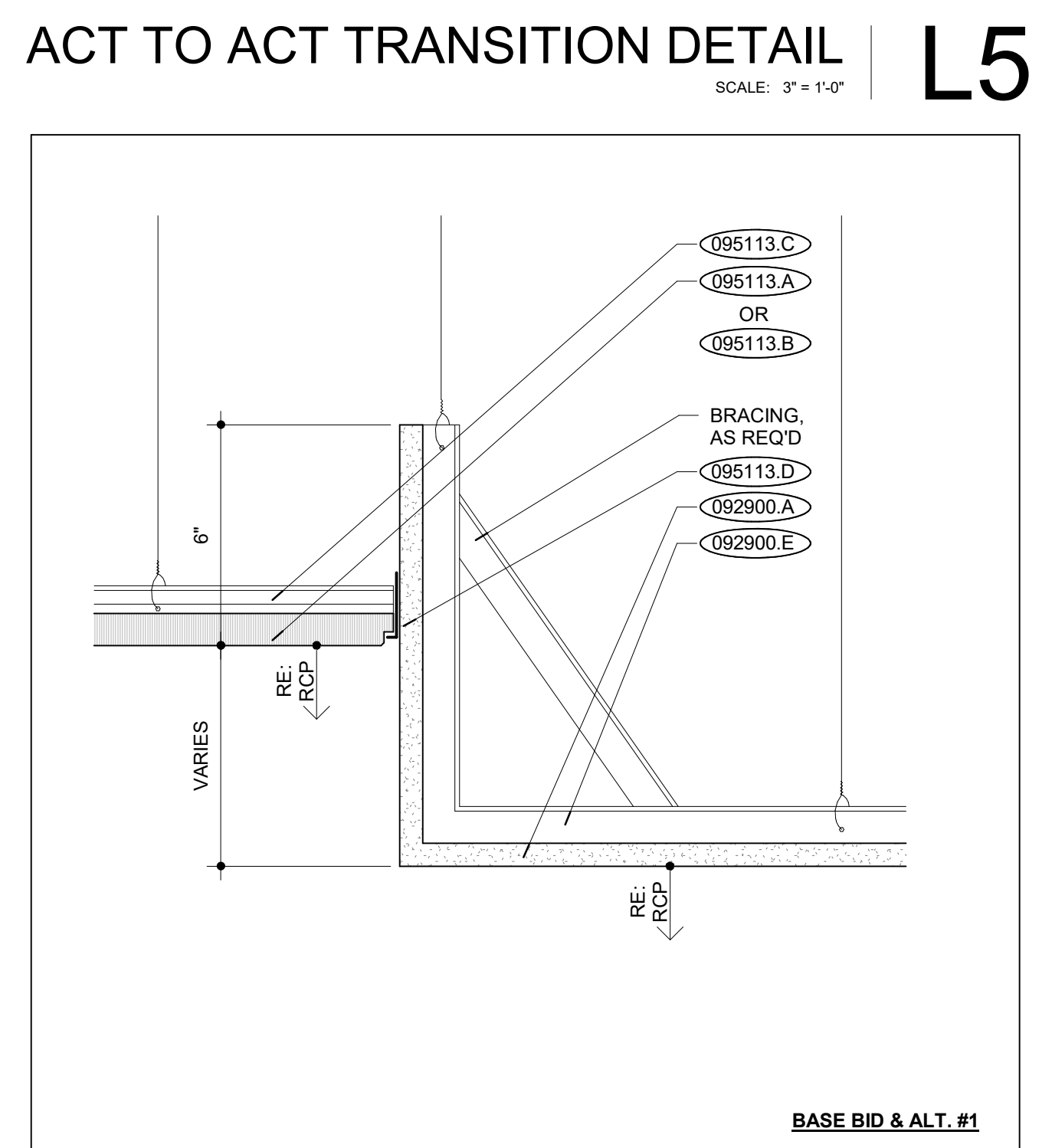
SECTION THRU EXIST. EXPANSION JOINT | L14



ACT TO ACT TRANSITION DETAIL | L5



PERIMETER DIFFUSER DETAIL | B12



ACT TO GWB TRANSITION DETAIL | B5

- EXISTING CONSTRUCTION** 000000.X
- EXISTING CONSTRUCTION** 000000.X \*
- TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET
- NEW CONSTRUCTION** 000000.X
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
  - 061000.A WOOD BLOCKING
  - 062023.A 3/4" PLYWOOD
  - 062023.B Z-CLIP HANGERS
  - 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
  - 079500.A 3" EXPANSION JOINT COVER
- DIVISION 08 OPENINGS**
  - 084113.A ALUMINUM STOREFRONT
  - 084113.B ALUMINUM DOOR
  - 088000.A GLAZING
- DIVISION 09 FINISHES**
  - 092216.A 3.58" METAL STUD
  - 092216.B 7/8" FURRING HAT CHANNEL
  - 092900.A 5/8" GYPSUM BOARD
  - 092900.B SOUND ATTENUATION BLANKETS
  - 092900.D 5/8" GYPSUM BOARD J MOLDING
  - 092900.E GYPSUM BOARD SUSPENSION SYSTEM
  - 095113.A 2x2 ACOUSTICAL CEILING TILE
  - 095113.B 2x4 ACOUSTICAL CEILING TILE
  - 095113.C ACOUSTICAL CEILING TILE GRID
  - 095113.D ACOUSTICAL CEILING EDGE TRIM
  - 095113.E ACOUSTICAL CEILING TRANSITION TRIM
  - 095113.G 2x6 ACOUSTICAL CEILING TILE
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
  - 233713.B SLOT DIFFUSER (RE: MECH.)
- DIVISION 26 ELECTRICAL**
  - 265100.A INTERIOR LIGHT FIXTURE (RE: ELECT.)
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**

NOTES | B1

9/17/2024 11:18:43 AM



FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION  
125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: AA, IC  
DRAWN BY: IC  
CHECKED BY: AA  
APPROVED BY: MA

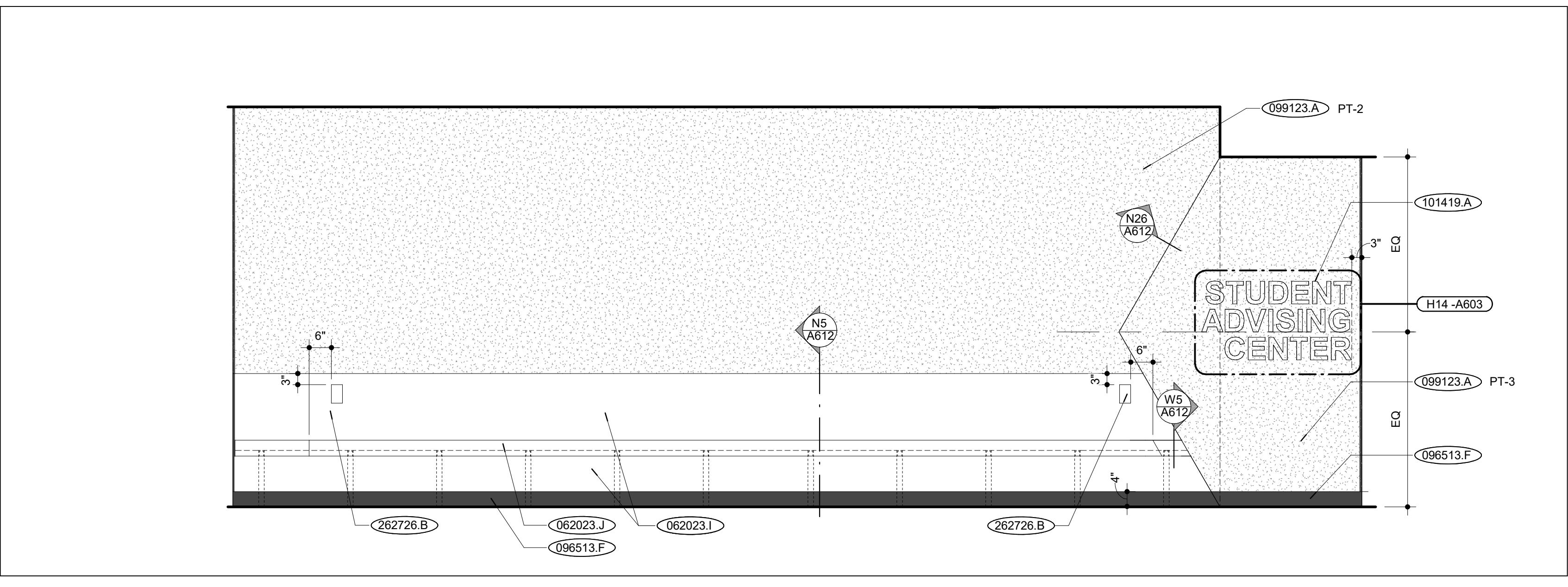
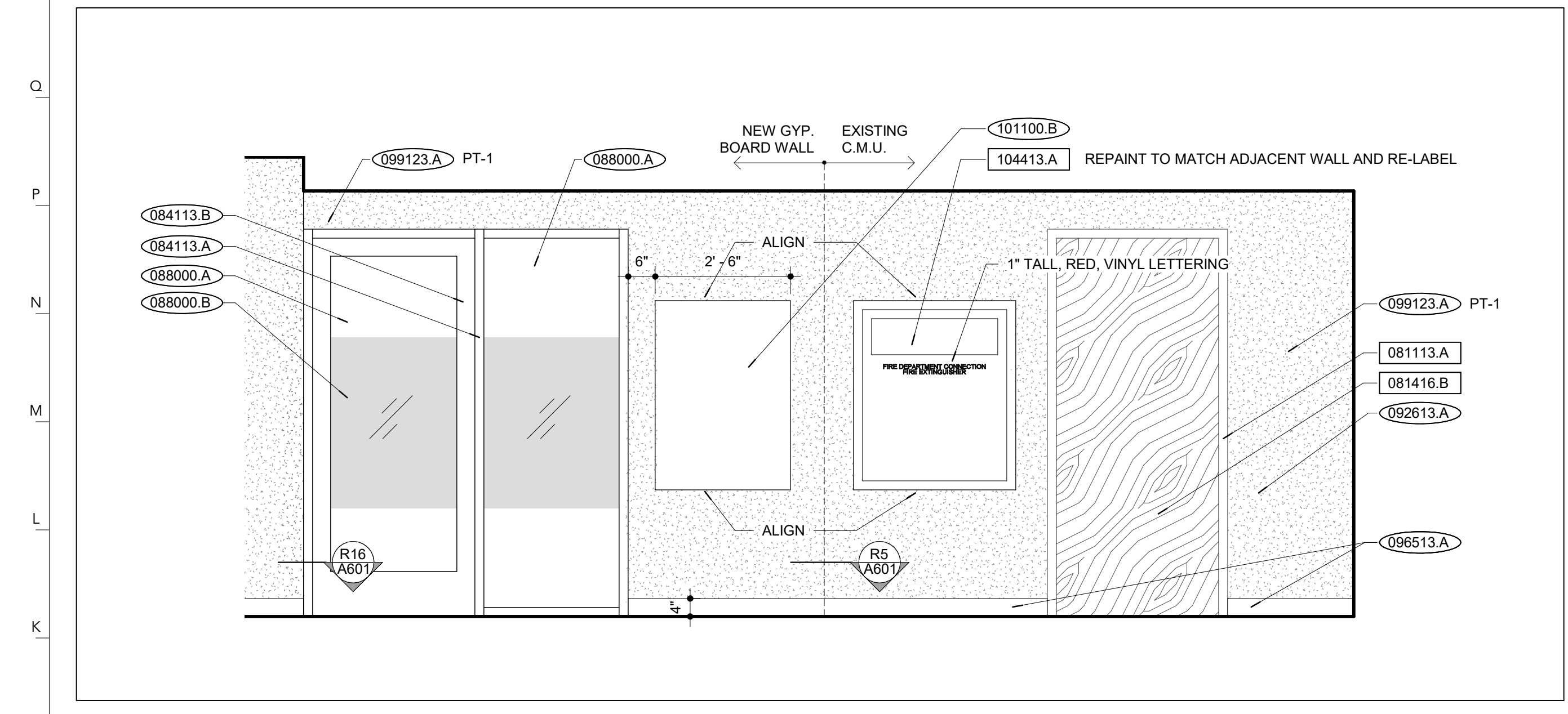
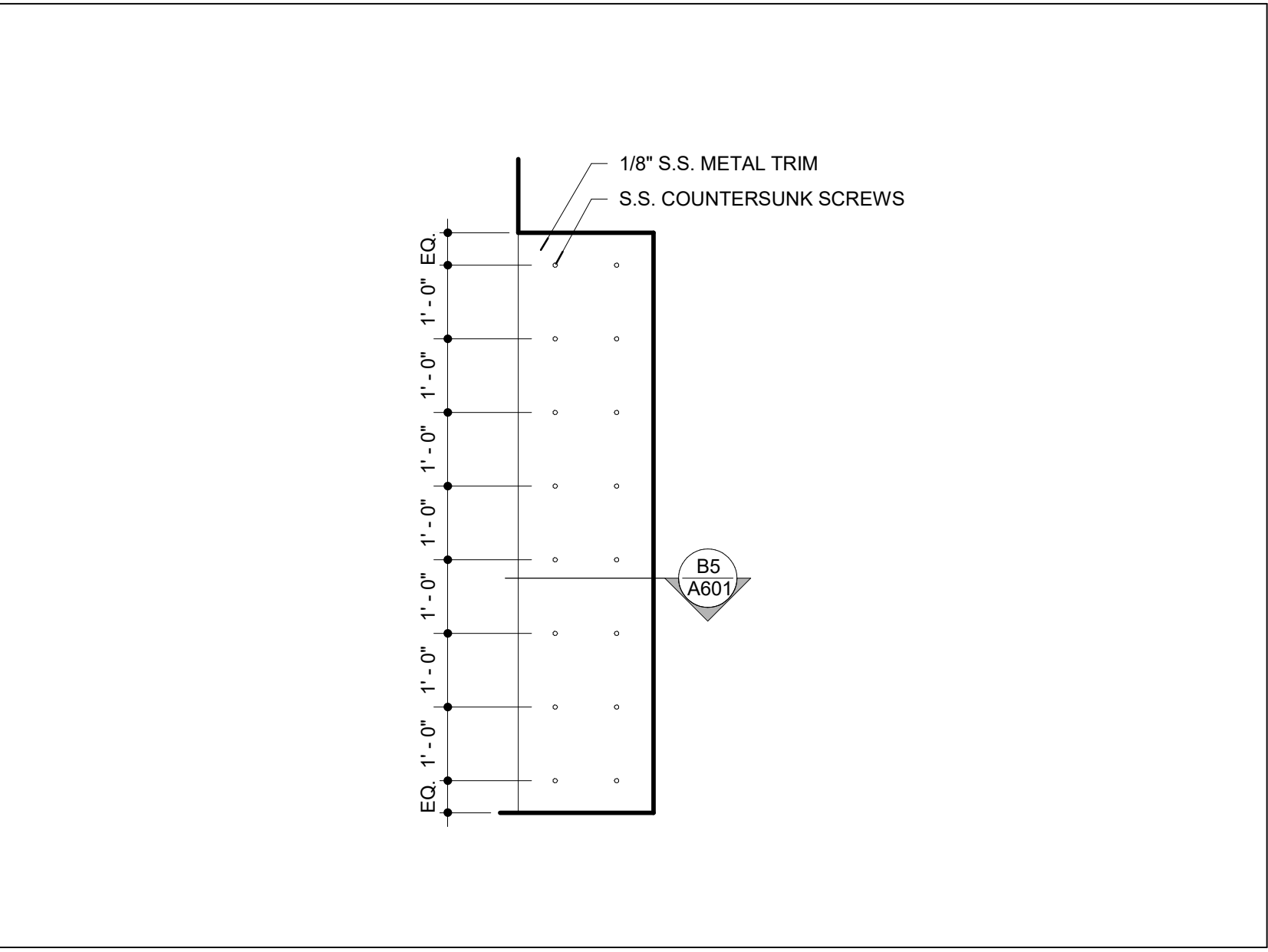
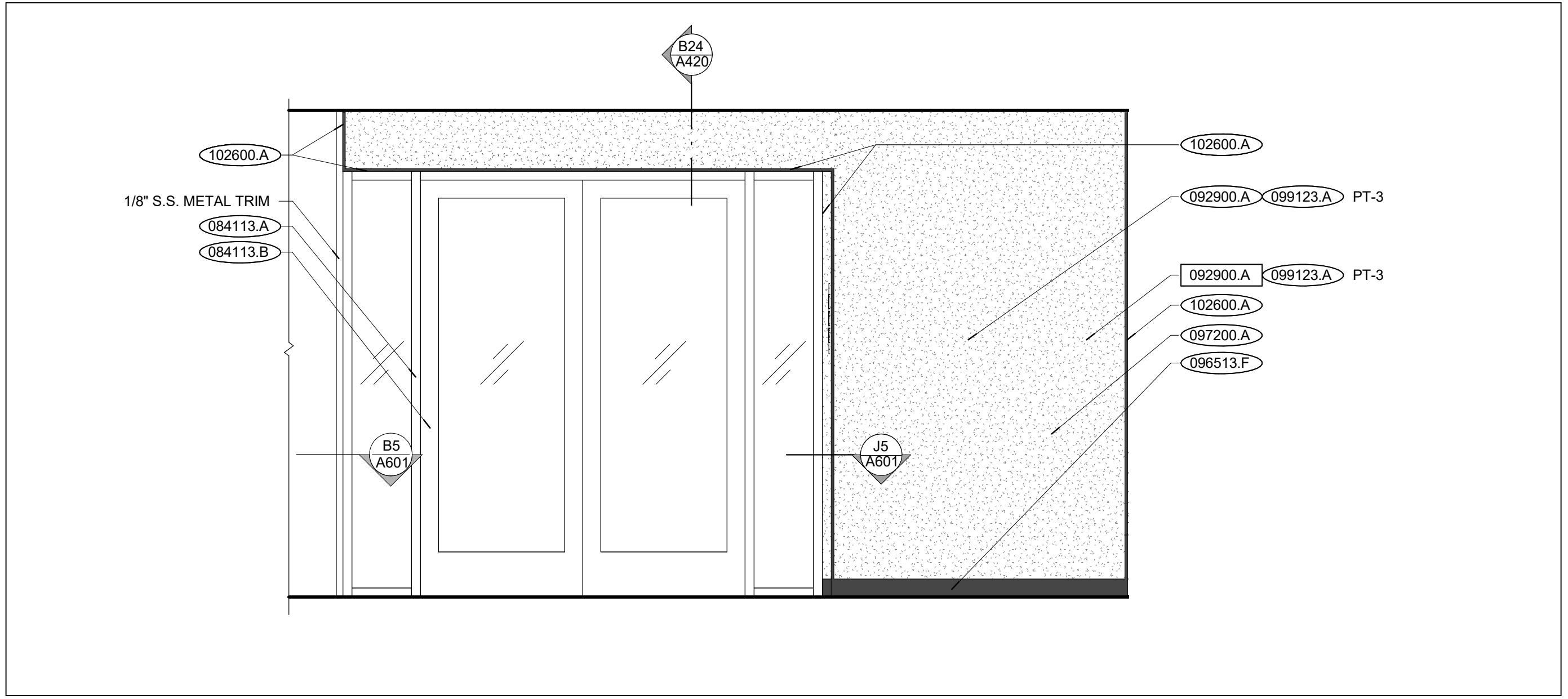
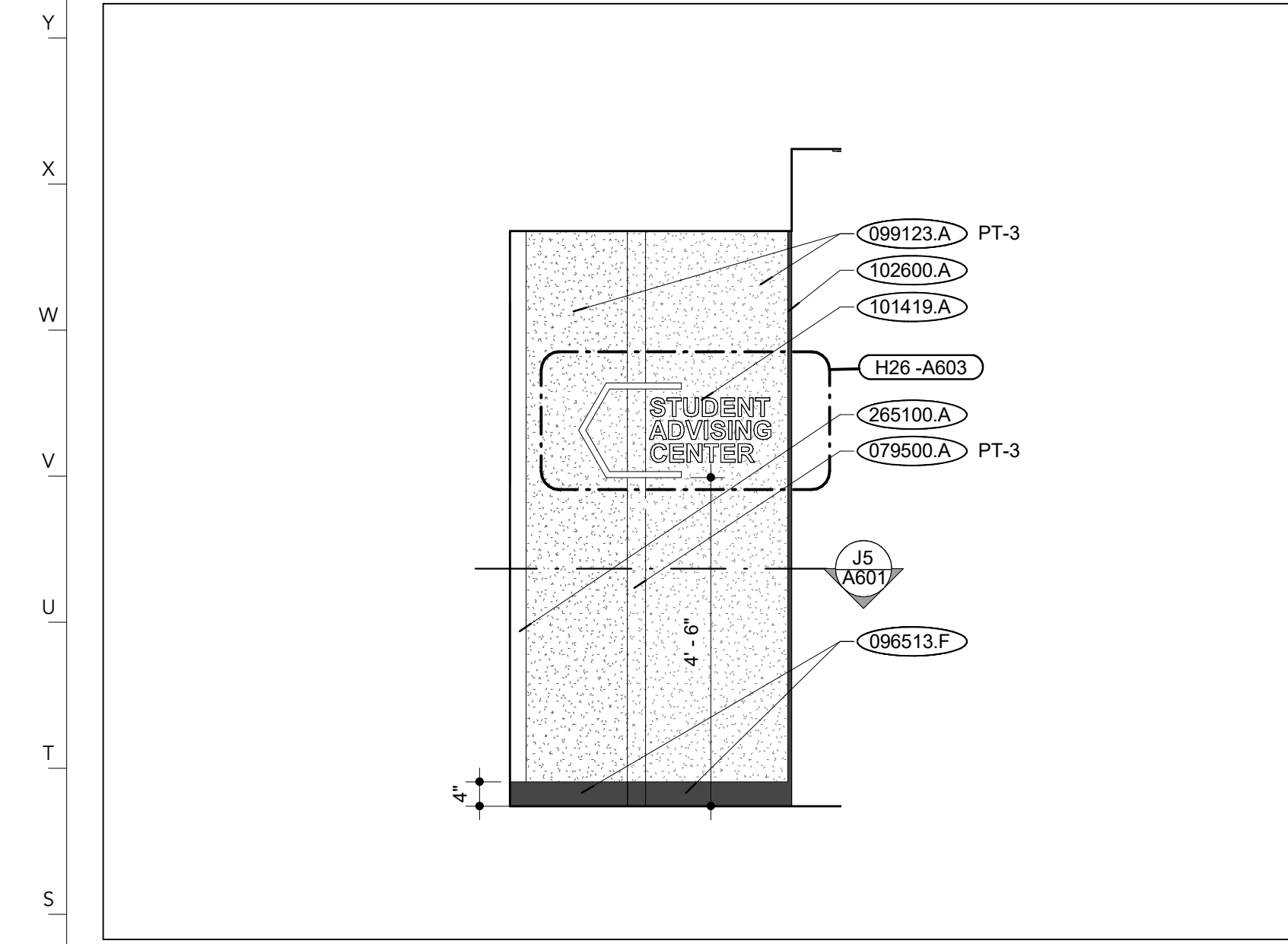
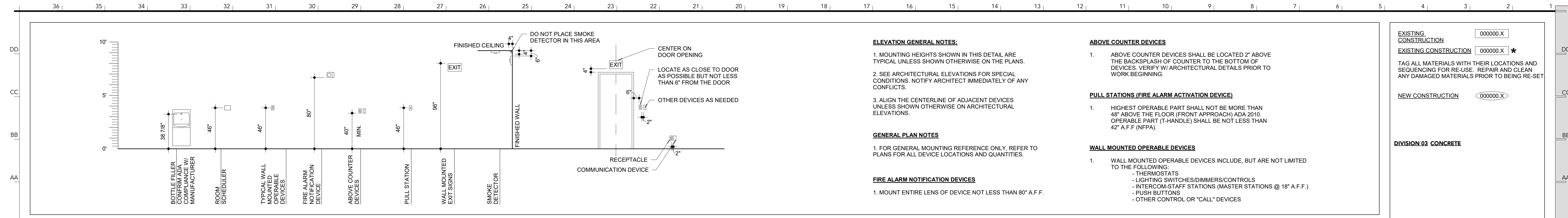
SEAL: MAJID ABRAHIMADI  
ARCHITECT  
NUMBER A-00577  
09-26-2024

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NO.	REVISION SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION	09/26/2024

FINISH SCHEDULE & BASE BID INTERIOR ELEVATIONS

A600



ROOM NO.	NAME	FLOOR FINISH	BASE FINISH	WALLS				CEILING FINISH	COMMENTS
				NORTH	EAST	SOUTH	WEST		
125A	RECEPTION	CPT-1	RB-1 & MB-1	PT-1	PT-1	PT-1	PT-2 & PT-3	PT-3 & ACT-2	
125B	WORKSTATIONS	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-2	
125C	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1	
125D	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1	
125E	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125F	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125G	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125H	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125J	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125K	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125L	BREAK ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125M	PRINT STATION	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125N	CHEMISTRY CUBICLES	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125O	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125P	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1	
125Q	COPY/BREAK	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125R	MECH	LVT-1	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	O.T.S.	
125S	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125T	OFFICE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-4	ACT-1	
125U	CONFERENCE ROOM	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-3	
125V	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125W	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
125Z	CORRIDOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
AC100A	LOBBY	LVT-2 & CPT-2	RB-1 & MB-1	WVP-1 & PT-1 & PT-2 & PT-3 & VWG-1 & EXIST.	PT-1 & PT-2 & VWG-1 & EXIST.	WVP-1 & PT-1 & PT-2 & PT-3 & EXIST.	WVP-1 & PT-2 & PT-3 & EXIST.	ACT-2 & WVP-1 & PT-1 & PT-2 & PT-3	1,3
AC100B	CORRIDOR	LVT-2 & CPT-2	RB-1	PT-1 & EXIST.	PT-1 & EXIST.	T-1 & VWG-1 & EXIST.	-	ACT-2 & PT-1 & EXIST.	2,3
AV100B	VESTIBULE	CPT-3	RB-1	PT-1	PT-1	PT-1	EXIST.	PT-1	1,3

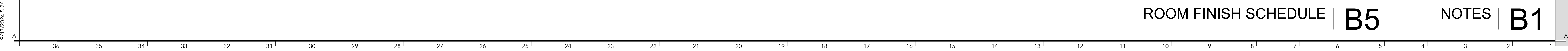
GENERAL FINISH COMMENTS	
1	ADDITIVE ALTERNATE #1
2	ADDITIVE ALTERNATE #2
3	EXPOSED EXISTING LIMESTONE WALLS IN ALTERNATE #1 & #2 SCOPE TO REMAIN EXPOSED. DO NOT PAINT.

FLOOR FINISHES	
CPT-1	TARKETT GRID OVERLAY II, CLEAN COAL, RE: 096813
CPT-2	TARKETT GRID OVERLAY II, TOTAL ECLIPSE, RE: 096813
CPT-3	TARKETT ABRASIVE ACTION, CHARCOAL, RE: 096813
LVT-1	MANNINGTON COMMERCIAL, COLOR ANCHOR GROOVE, MISTY MOUNTAIN, RE: 096519
LVT-2	BENTLEY MILLS BALUSTRADE, BEAUX ARTS, RE: 096519

WALL FINISHES	
PL-1	GYPSUM VENEER PLASTER, RE: 092613
PT-1	BENJAMIN MOORE STEAM AF-15, EGGSHELL, RE: 099123
PT-2	BENJAMIN MOORE KENDALL CHARCOAL, EGGSHELL, RE: 099123
PT-3	BENJAMIN MOORE BEDFORD BLUE, EGGSHELL, RE: 099123
PT-4	BENJAMIN MOORE BEDFORD BLUE, EGGSHELL, RE: 099123
VWG-1	VINYL WALL GRAPHIC, RE: 067200
WVP-1	WOOD VENEER PANEL, RE: 062023

CEILING FINISHES	
ACT-1	24"x24"ACOUSTICAL CEILING TILE, RE: 095113
ACT-2	24"x48"ACOUSTICAL CEILING TILE, RE: 095113
ACT-3	24"x72"ACOUSTICAL CEILING TILE, RE: 095113
OTS	OPEN TO STRUCTURE
PT-1	BENJAMIN MOORE STEAM AF-15, FLAT, RE: 099123
PT-2	BENJAMIN MOORE KENDALL CHARCOAL HC-166, FLAT, RE: 099123
PT-3	BENJAMIN MOORE YELLOW OXIDE, FLAT, RE: 099123
PT-4	BENJAMIN MOORE BEDFORD BLUE, FLAT, RE: 099123

BASE FINISHES	
MB-1	ALUMINUM BASE, RE: 096513
RB-1	RESILIENT BASE, RE: 096513







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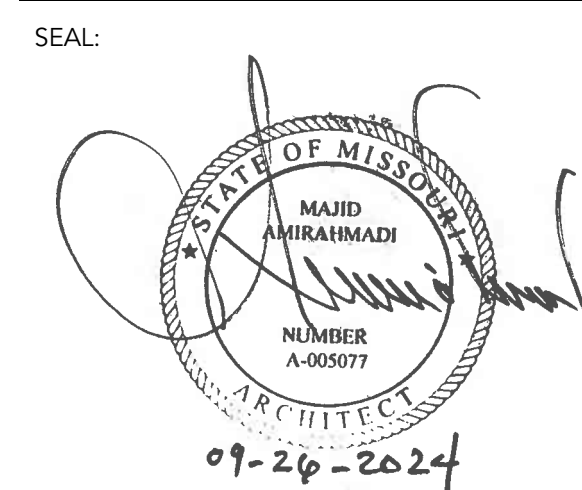
FOR THE CURATORS OF  
 THE UNIVERSITY OF MISSOURI

**CHEMISTRY  
 BUILDING - 1ST  
 FLOOR  
 RENOVATION**

ISSUED FOR  
 CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA



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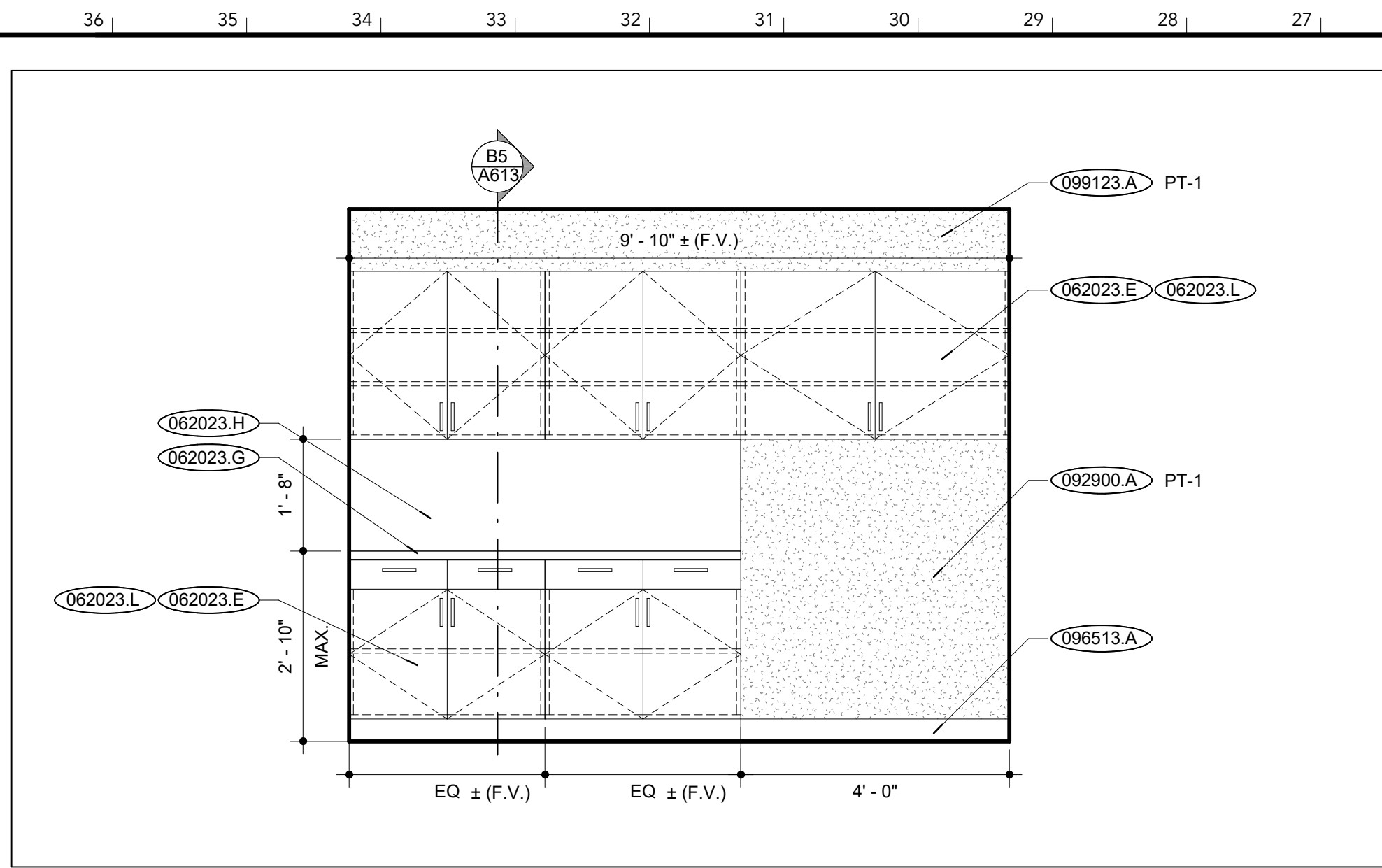
NO.	REVISION	SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION		09/26/2024

**BASE BID INTERIOR  
 ELEVATIONS & DETAILS**

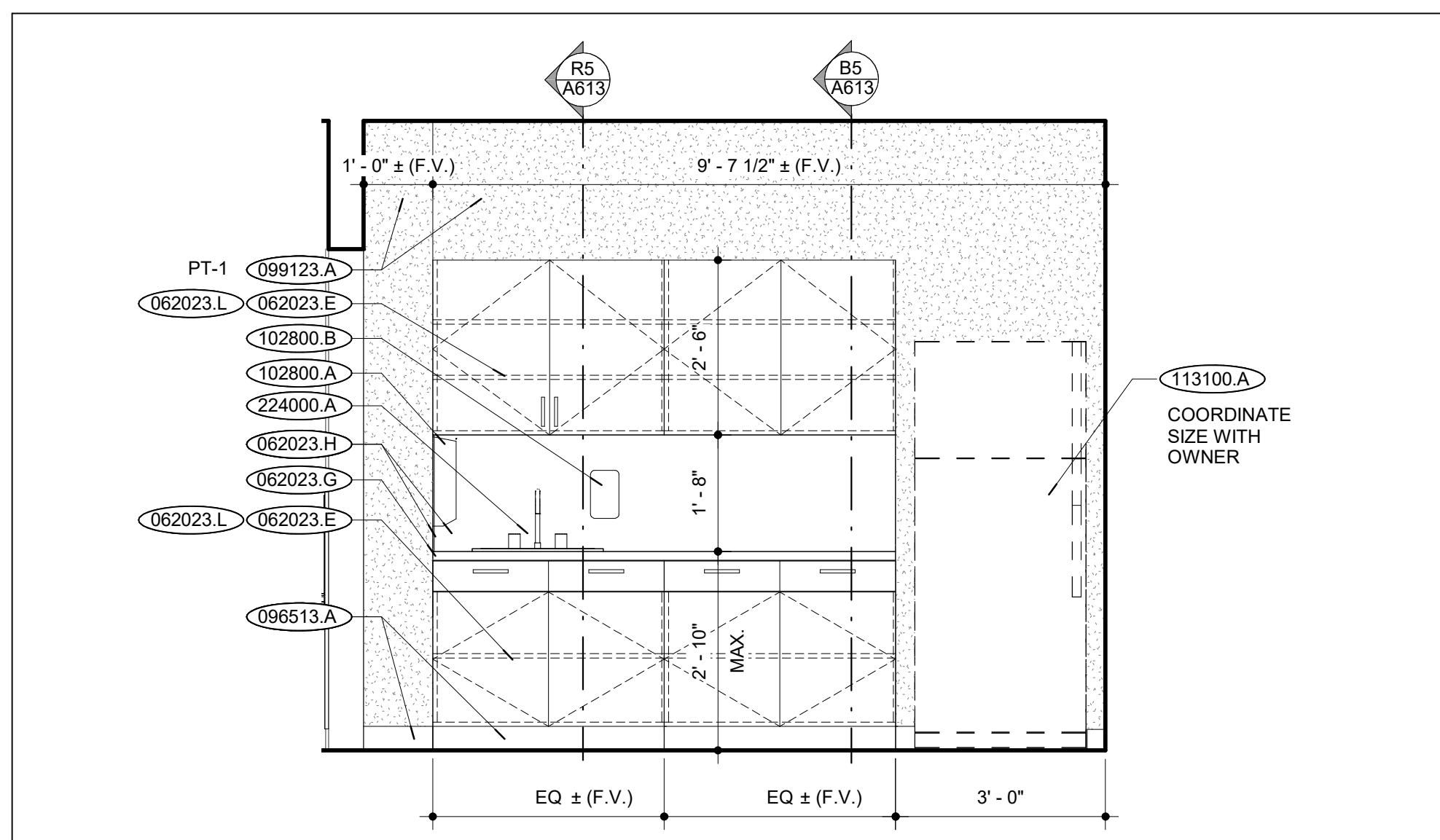
**A601**

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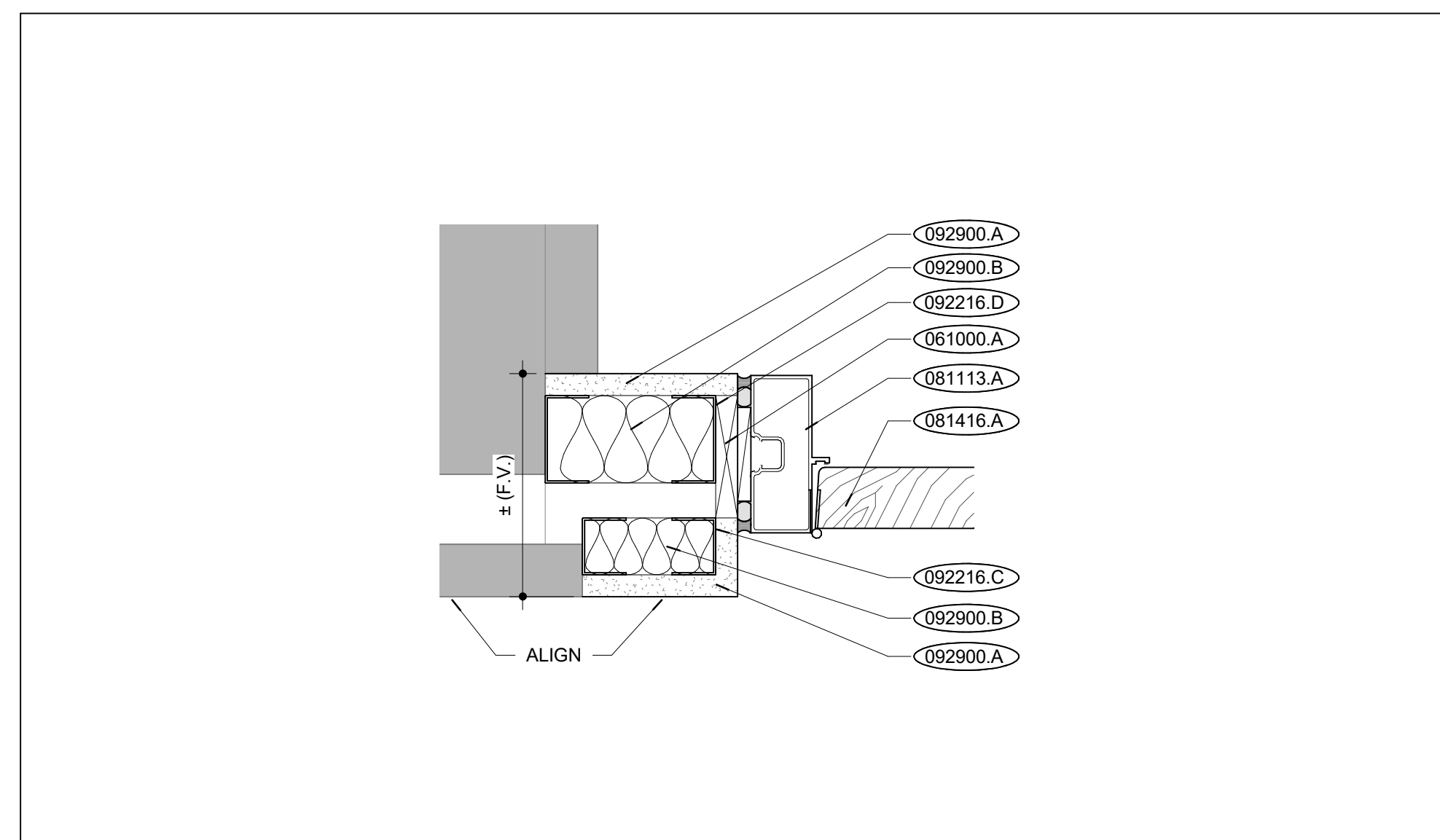
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**EXISTING CONSTRUCTION** 000000.X \*
- NEW CONSTRUCTION** 000000.X
- DIVISION 03 CONCRETE**
- 042200.A CONCRETE MASONRY UNIT
- DIVISION 04 MASONRY**
- 042200.A CONCRETE MASONRY UNIT
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
- 061000.A WOOD BLOCKING
  - 062023.E 3/4" MDF
  - 062023.G 3/4" SOLID SURFACE
  - 062023.H 1/4" SOLID SURFACE
  - 062023.I 1/2" SOLID SURFACE
  - 062023.L PLASTIC LAMINATE
  - 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
  - 062023.S CABINET LOCK
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- 079200.A JOINT SEALANT
  - 079200.B BACKER ROD
  - 079500.A 3" EXPANSION JOINT COVER
- DIVISION 08 OPENINGS**
- 081113.A HOLLOW METAL FRAME
  - 081416.A WOOD DOOR WITH GLASS LITE
  - 084113.A ALUMINUM STOREFRONT
- DIVISION 09 FINISHES**
- 092216.A 3 5/8" METAL STUD
  - 092216.B 7/8" FURRING HAT CHANNEL
  - 092216.C 1 5/8" METAL STUD
  - 092216.D 2 1/2" METAL STUD
  - 092613.A GYPSUM VENEER PLASTER
  - 092900.A 5/8" GYPSUM BOARD
  - 092900.B SOUND ATTENUATION BLANKETS
  - 092900.C 1/4" GYPSUM BOARD REVEAL
  - 096513.A RESILIENT BASE
  - 099123.A INTERIOR PAINT
- DIVISION 10 SPECIALTIES**
- 102800.A PAPER TOWEL DISPENSER, OWNER FURNISHED & INSTALLED
  - 102800.B SOAP DISPENSER, OWNER FURNISHED & INSTALLED
- DIVISION 11 EQUIPMENT**
- 113100.A REFRIGERATOR, OWNER FURNISHED & INSTALLED
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- 224000.A SINK (RE: PLUMBING)
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- 262726.A RECEPTACLE COVER PLATE (WHITE) (RE: ELECT.)
  - 265100.A INTERIOR LIGHT FIXTURE (RE: ELECT.)
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**



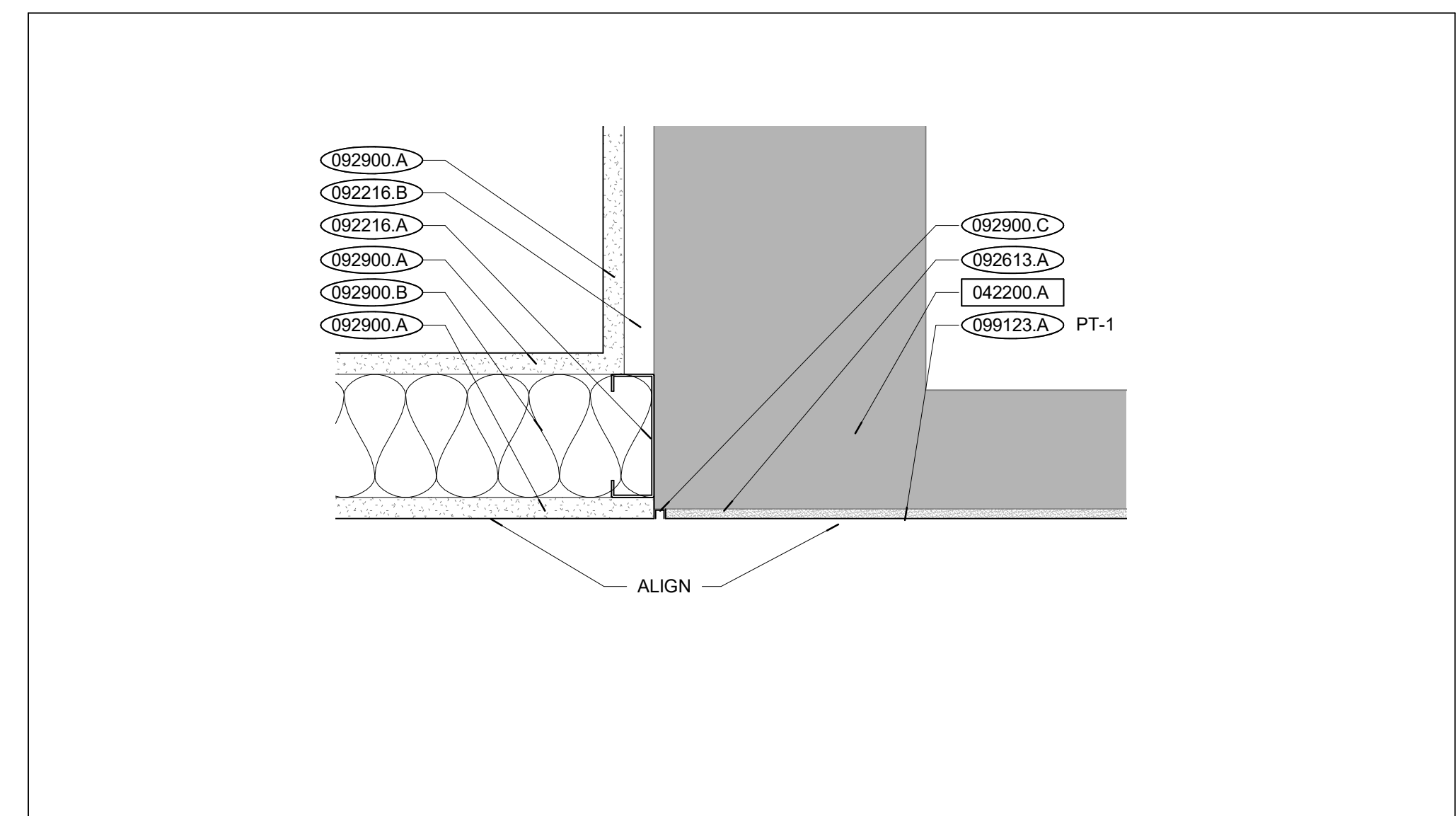
**125Q COPY/BREAK - NORTH ELEVATION** | Y21  
 SCALE: 1/2" = 1'-0"



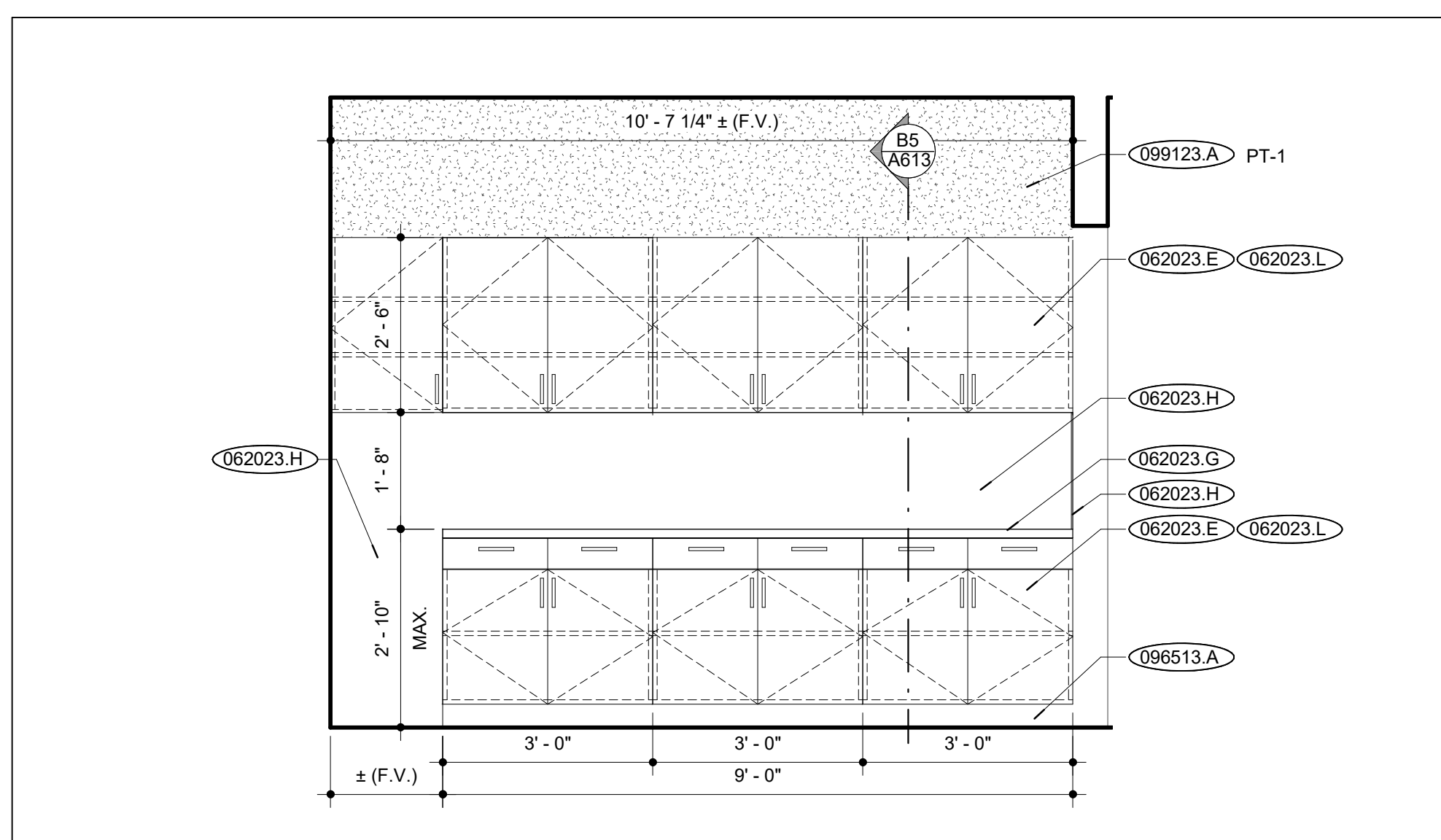
**125L BREAK ROOM - NORTH ELEVATION** | R21  
 SCALE: 1/2" = 1'-0"



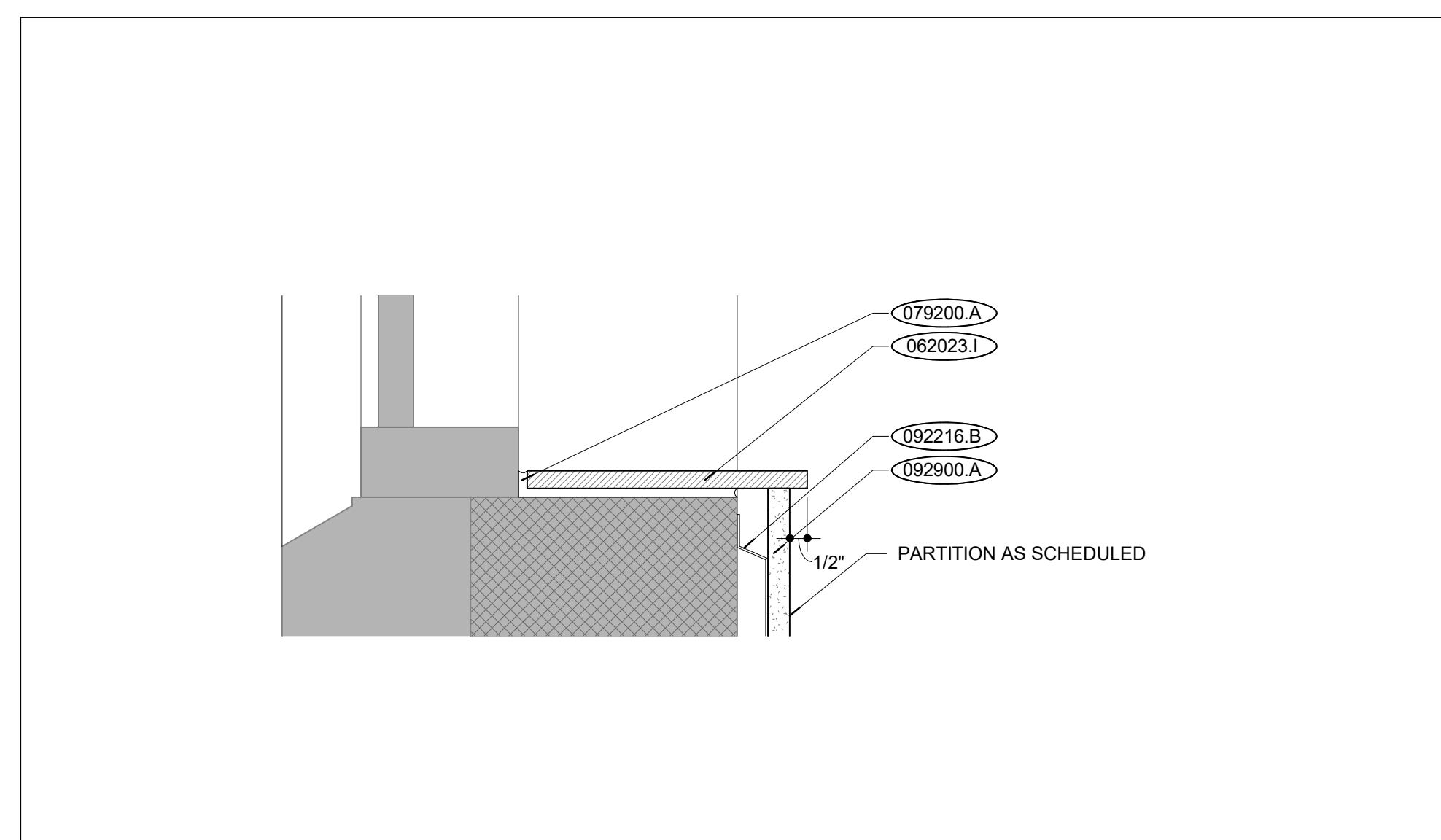
**WALL @ DR 125Q DETAIL** | R16  
 SCALE: 3" = 1'-0"



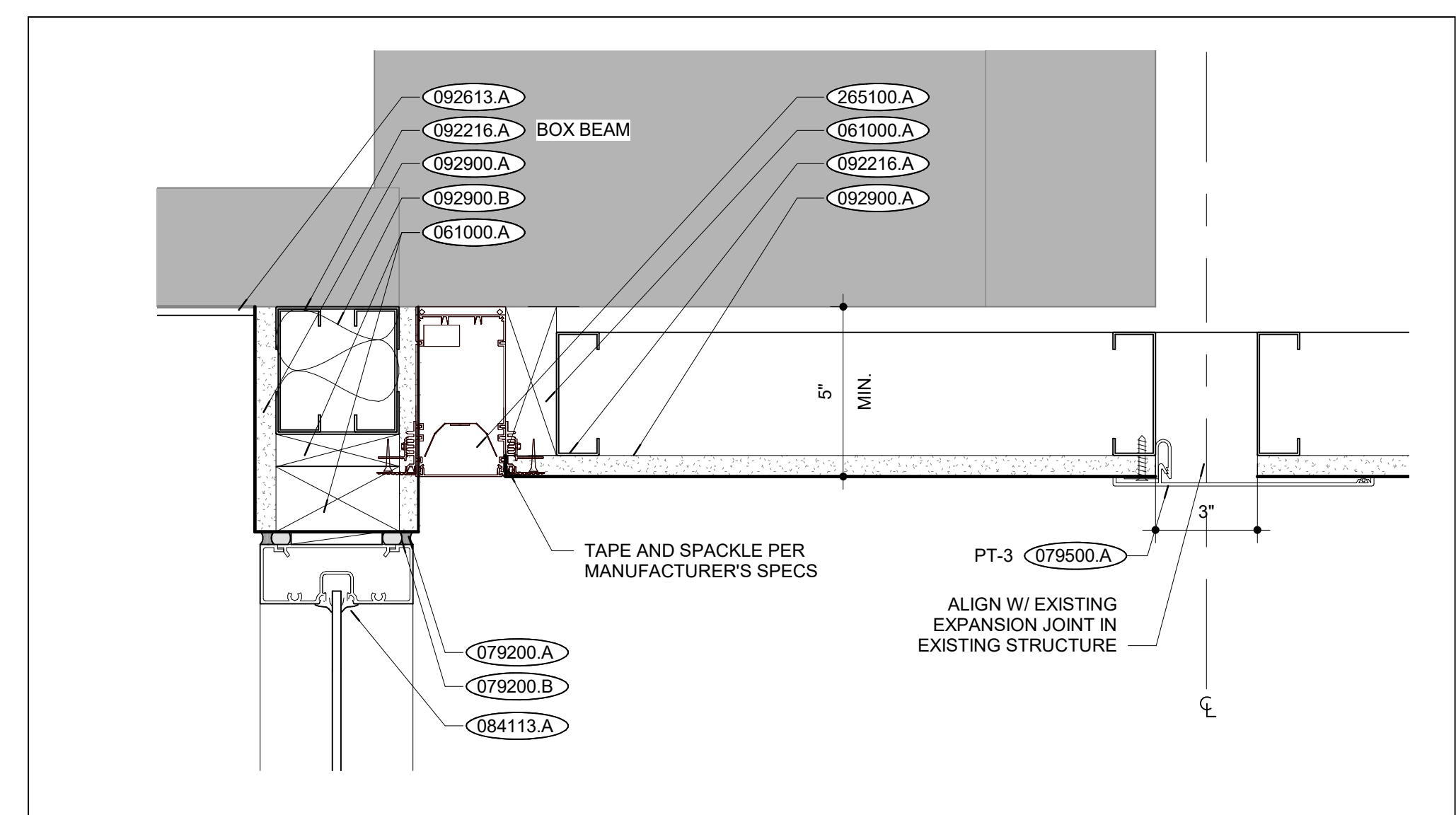
**GYP TO PLASTER TRANSITION DTL.** | R5  
 SCALE: 3" = 1'-0"



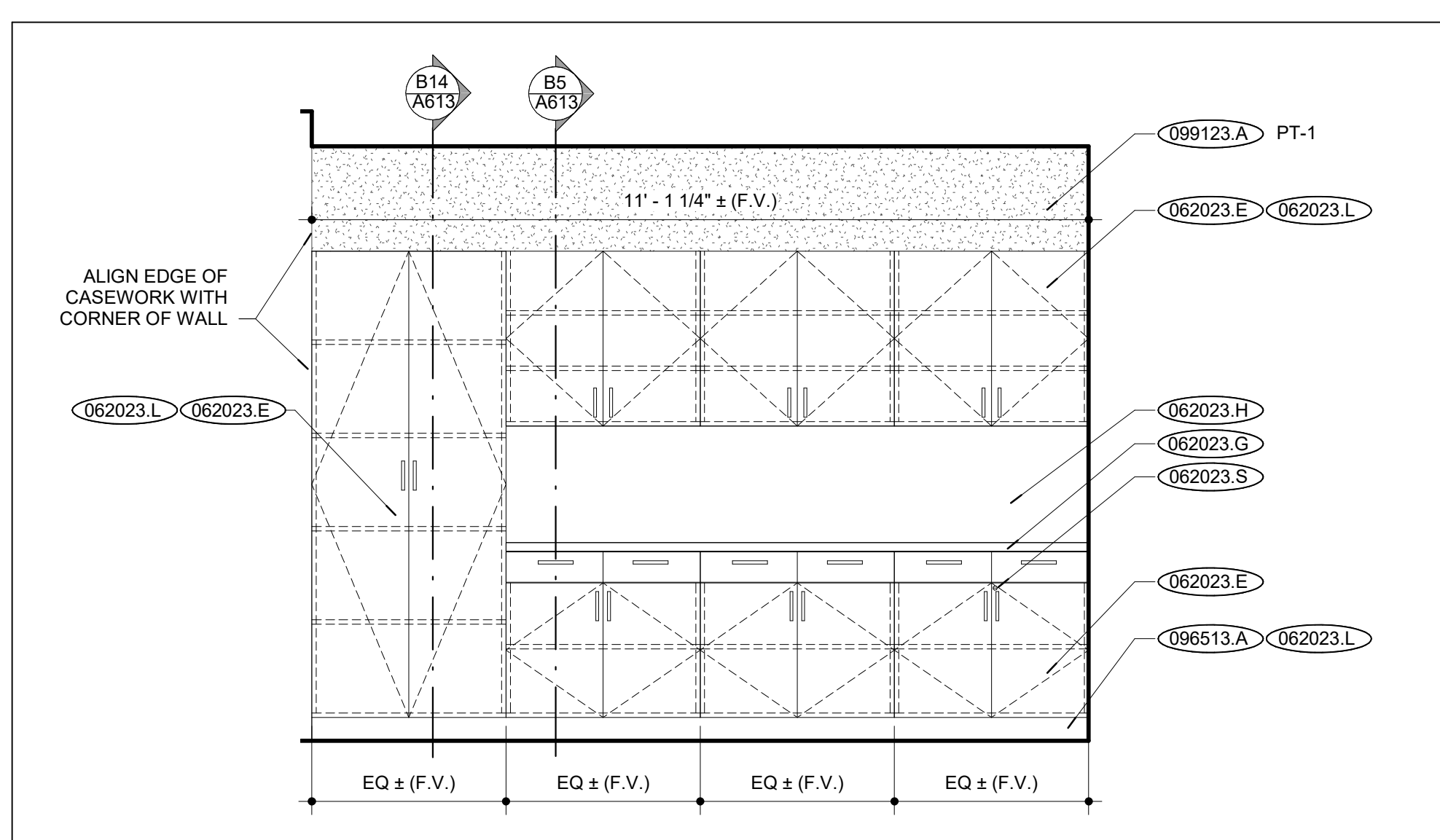
**125L BREAK ROOM - SOUTH ELEVATION** | J21  
 SCALE: 1/2" = 1'-0"



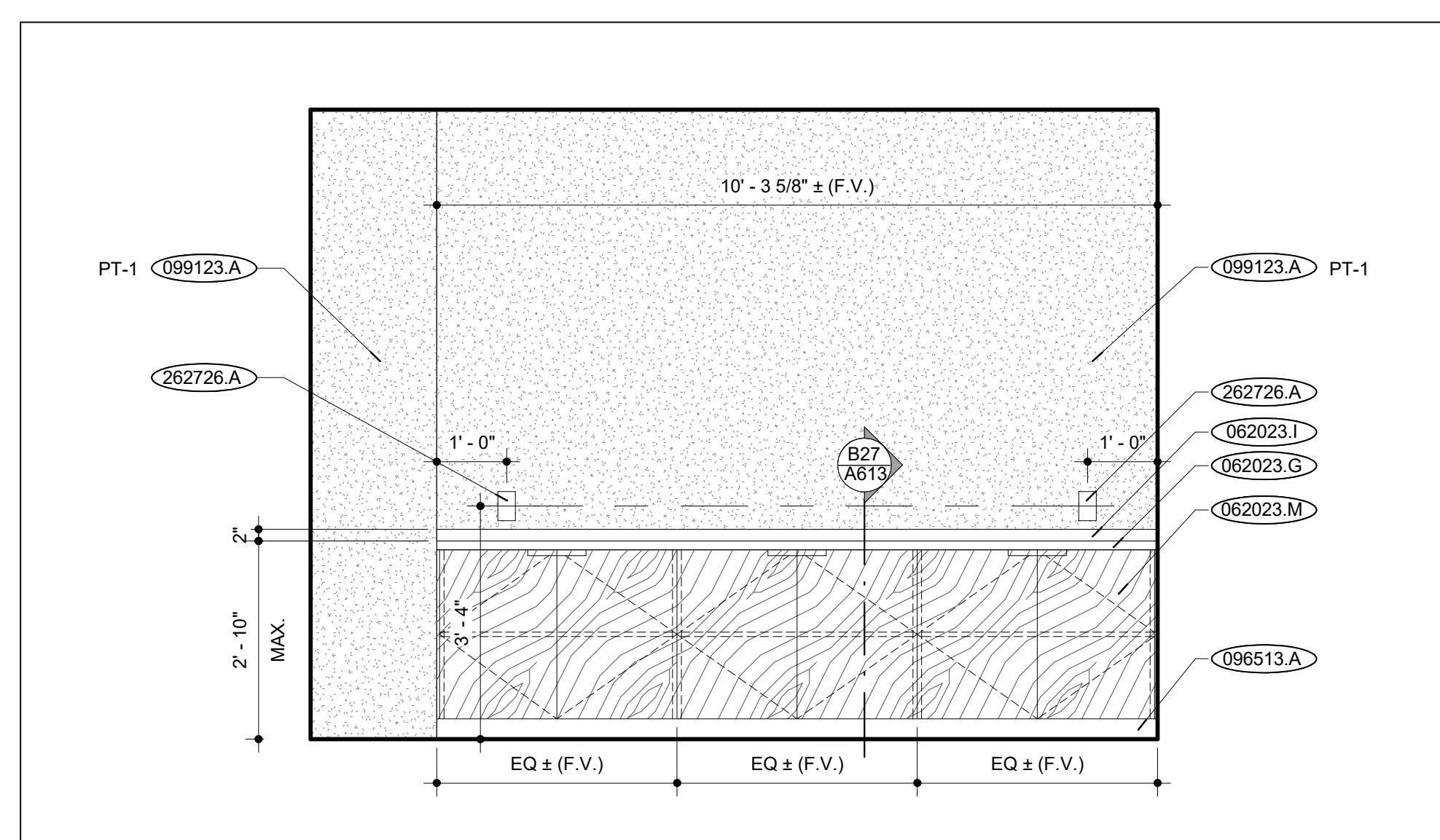
**TYP. SILL DETAIL** | J16  
 SCALE: 3" = 1'-0"



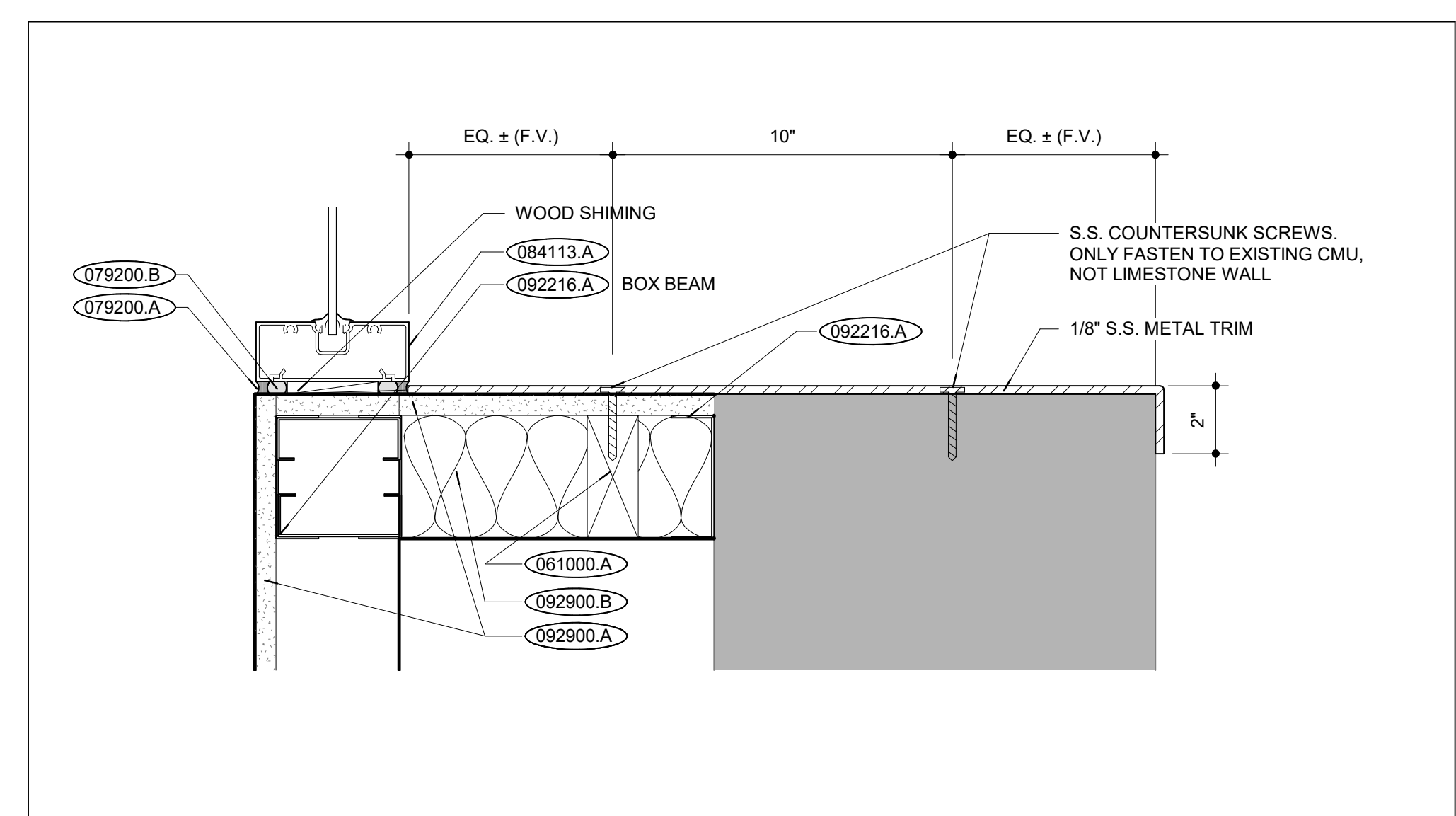
**COVE LIGHT DETAIL AT SUITE ENTRY** | J5  
 SCALE: 3" = 1'-0"



**125M PRINT STATION - NORTH ELEVATION** | B21  
 SCALE: 1/2" = 1'-0"



**125U CONFERENCE ROOM - EAST ELEVATION** | B16  
 SCALE: 1/2" = 1'-0"



**WALL DTL. @ DR 125** | B5  
 SCALE: 3" = 1'-0"

**NOTES** | B1

9/17/2024 5:26:53 PM



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1600 BALTIMORE AVE., SUITE 300

KANSAS CITY, MO 64108

PH: 816.842.8437



FOR THE CURATORS OF  
THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331

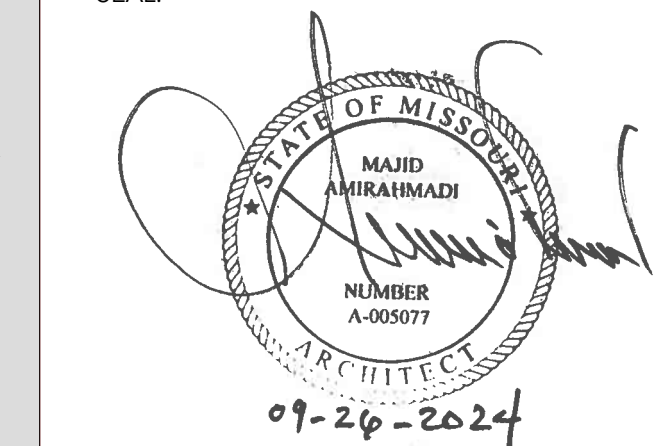
DESIGNED BY: AA, IC

DRAWN BY: IC

CHECKED BY: AA

APPROVED BY: MA

SEAL:



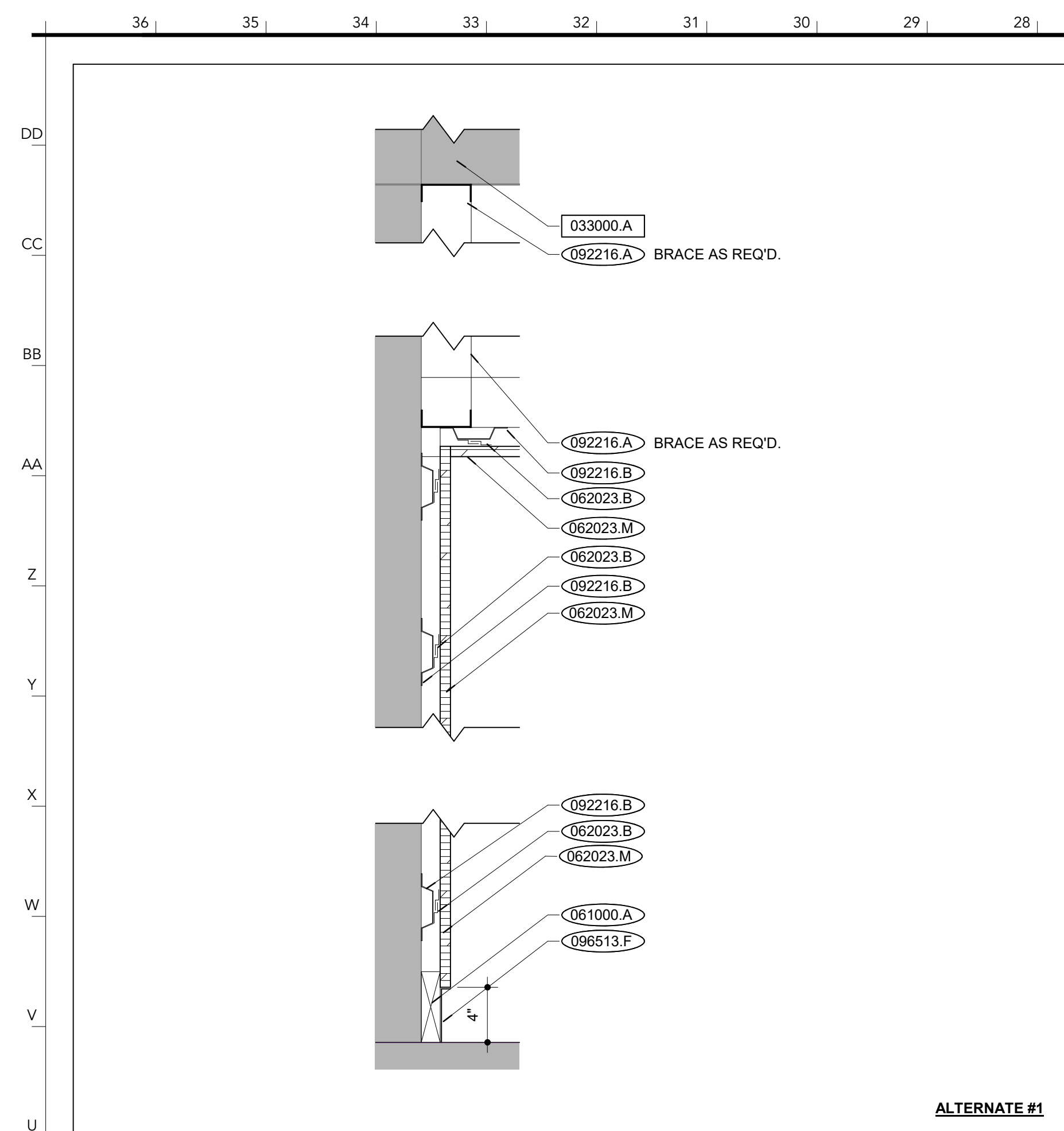
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NO. REVISION SUBMISSION DATE  
0 ISSUED FOR CONSTRUCTION 09/26/2024

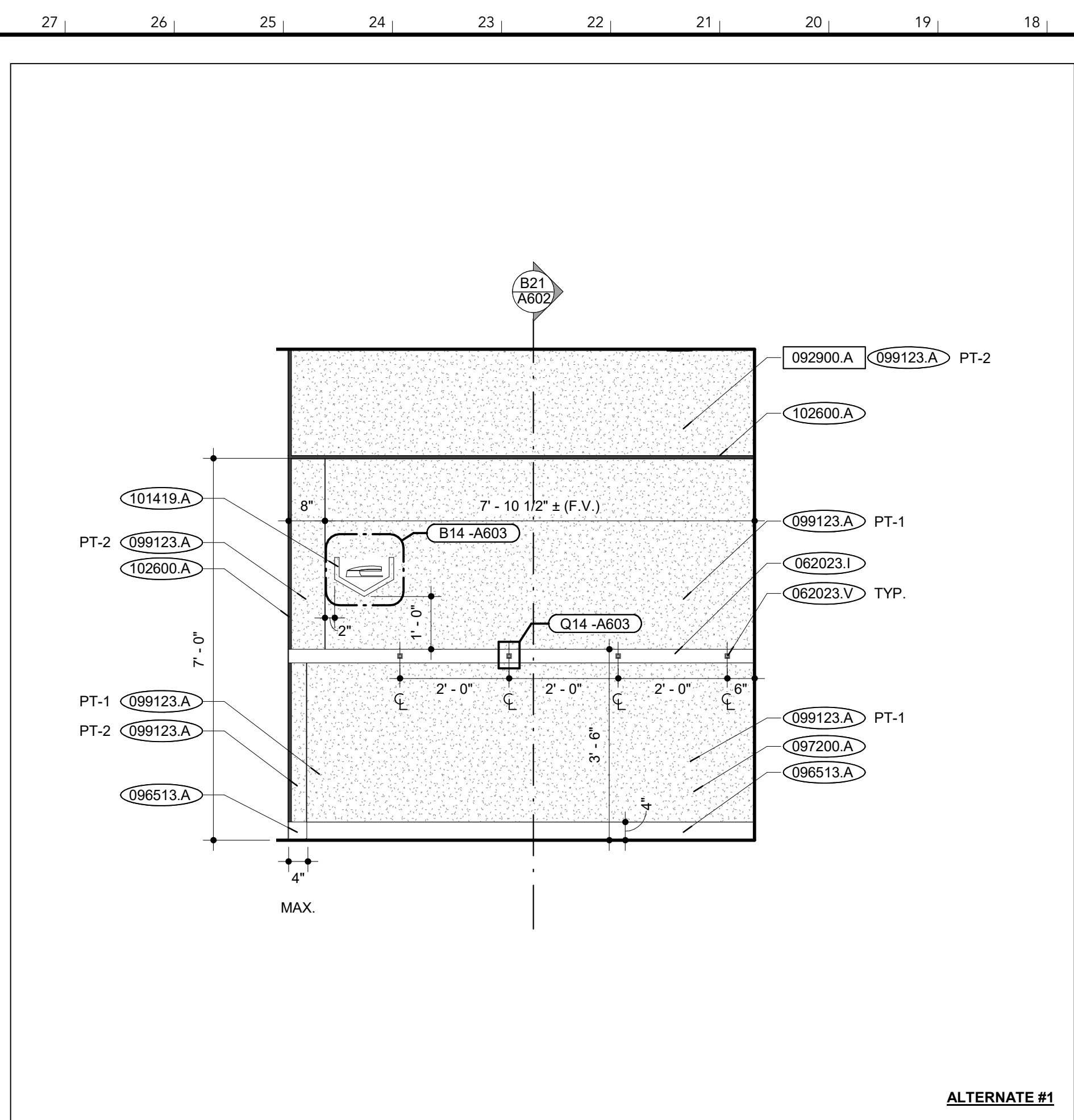
ALTERNATES INTERIOR ELEVATIONS & DETAILS

A602

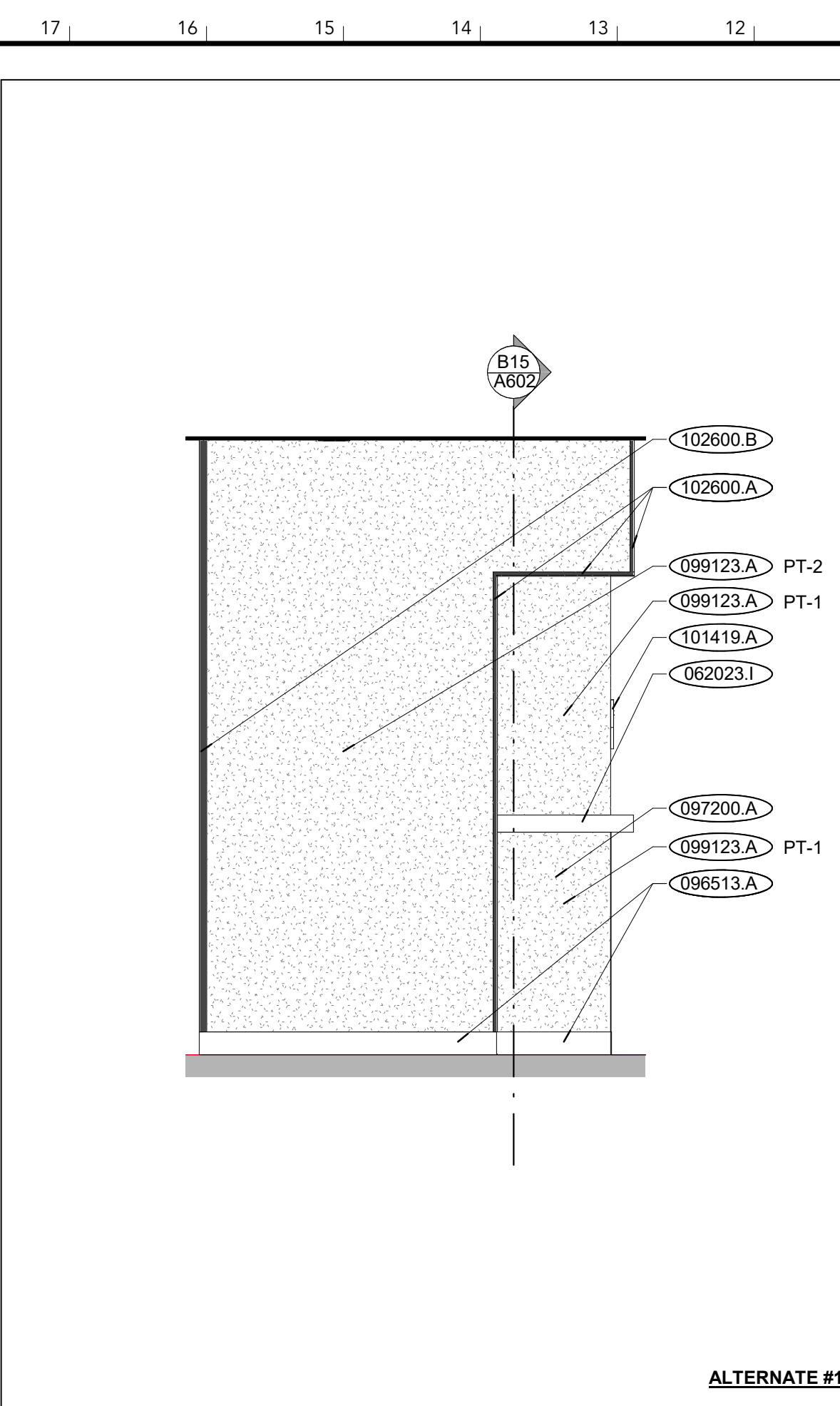
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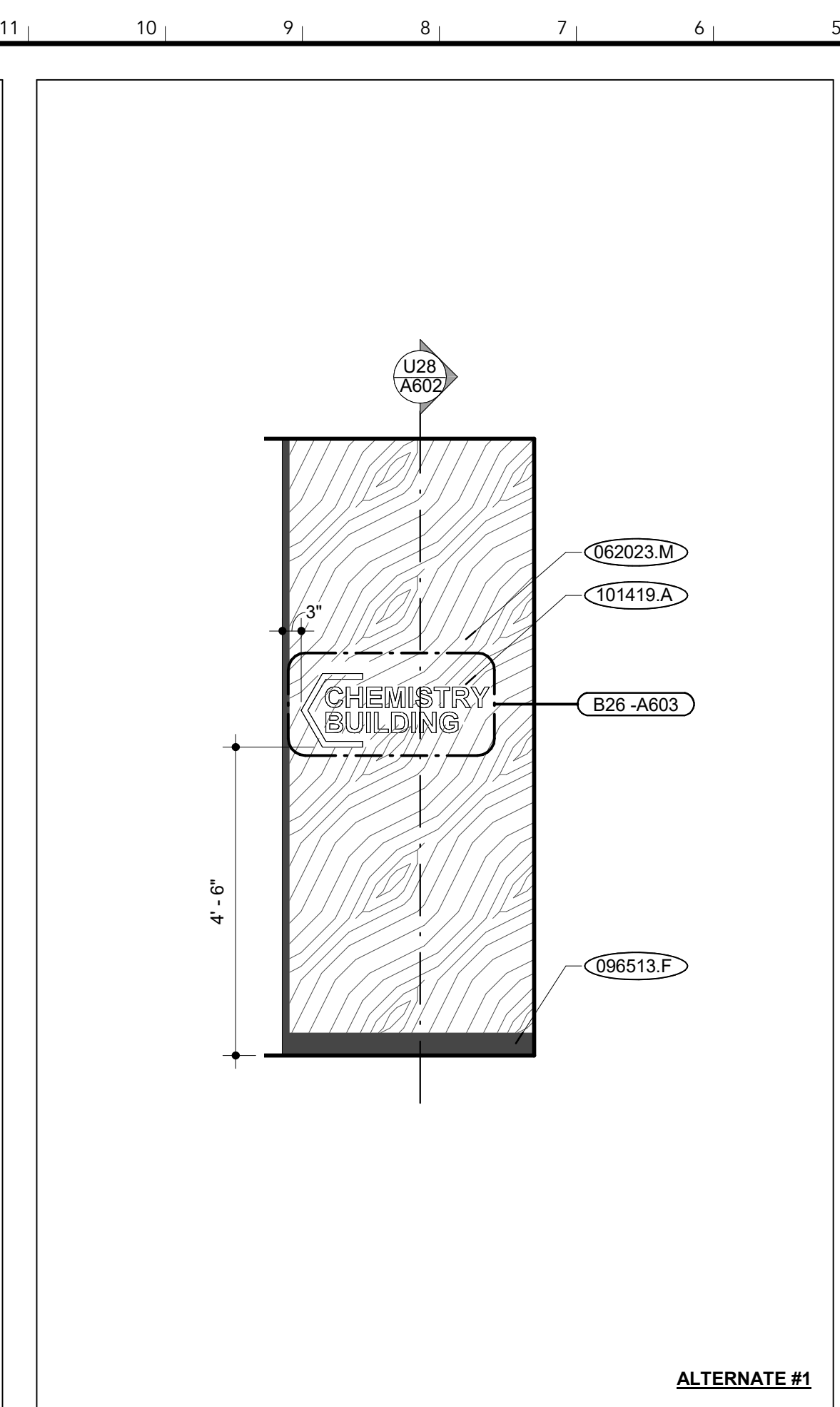
WOOD VENEER PANEL WALL | U28  
SCALE: 1/2" = 1'-0"



MAIL ALCOVE - NORTH ELEVATION | U16  
SCALE: 1/2" = 1'-0"



MAIL ALCOVE - W. ELEV. | U11  
SCALE: 1/2" = 1'-0"



ENTRY SIGNAGE - ELEV. | U5  
SCALE: 1/2" = 1'-0"

EXISTING CONSTRUCTION	NEW CONSTRUCTION
000000.X	000000.X
000000.X *	000000.X

DIVISION 03 CONCRETE  
033000.A CAST-IN-PLACE CONCRETE

DIVISION 04 MASONRY

DIVISION 05 METALS  
051200.A STEEL HSS

DIVISION 06 WOOD, PLASTICS + COMPOSITES  
061000.A WOOD BLOCKING  
062023.B Z-CRIP HANGERS  
062023.C 1/2" MDF  
062023.J 1/2" SOLID SURFACE  
062023.K UPHOLSTERED BENCH CUSHION  
062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD  
062023.N SOLID HARDWOOD TRIM (STAINED TO MATCH)  
062023.V CUSTOM STEEL BRACKET

DIVISION 07 THERMAL + MOISTURE PROTECTION  
079500.A 3" EXPANSION JOINT COVER

DIVISION 08 OPENINGS  
081113.A HOLLOW METAL FRAME  
081416.B WOOD DOOR

DIVISION 09 FINISHES  
092216.A 3.5" METAL STUD  
092216.B 7/8" FURRING HAT CHANNEL  
092900.A 5/8" GYPSUM BOARD  
092900.B SOUND ATTENUATION BLANKETS  
092900.C 1/4" GYPSUM BOARD REVEAL  
096513.A RESILIENT BASE  
096513.F ALUMINUM REVEAL WALL BASE  
097200.A VINYL WALL GRAPHICS  
099123.A INTERIOR PAINT

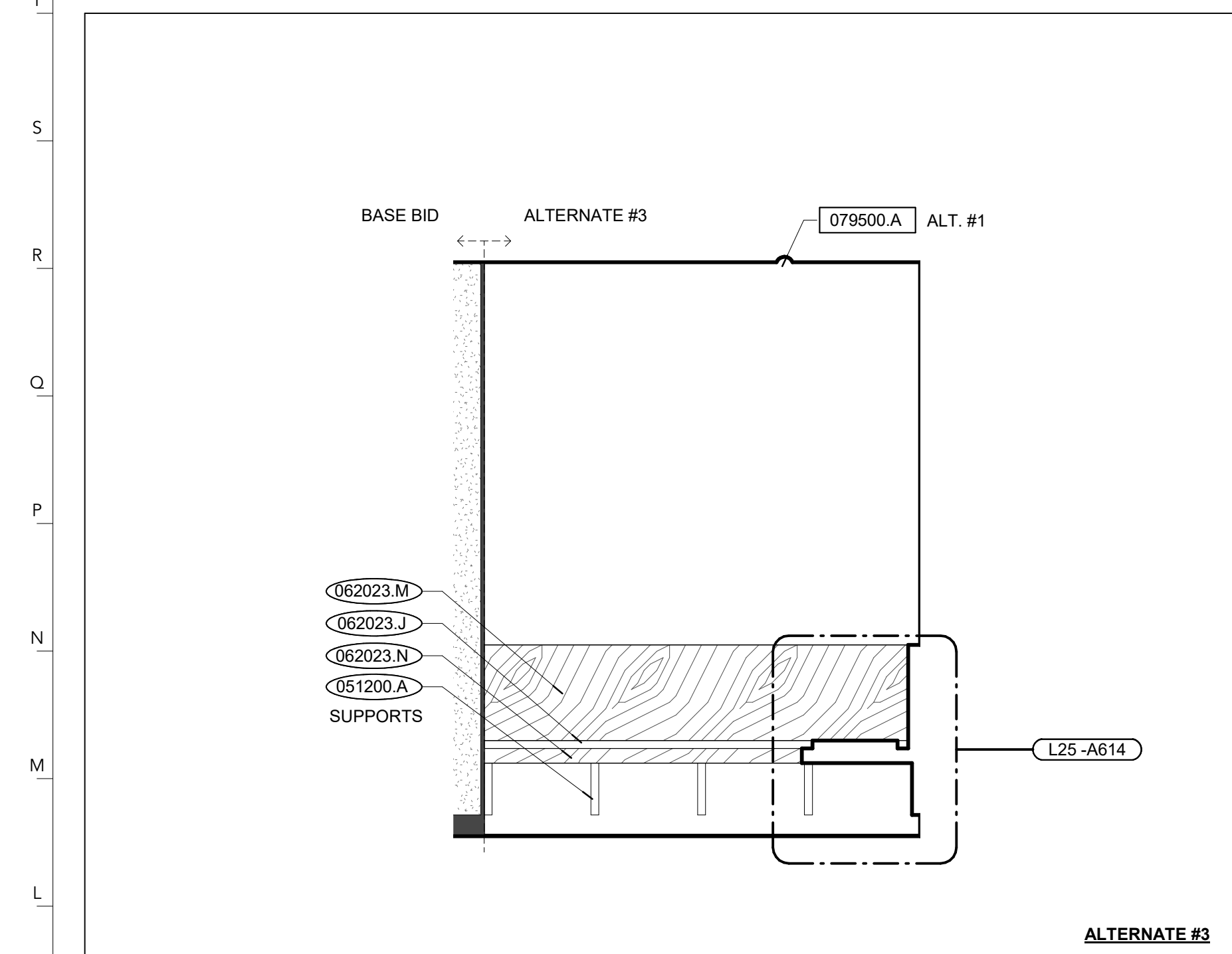
DIVISION 10 SPECIALTIES  
101419.A DIMENSIONAL LETTER SIGNAGE  
102600.A STEPPED OUTSIDE CORNER GUARD  
102600.B CORNER TRIM CORNER GUARD

DIVISION 11 EQUIPMENT  
115200.A DIGITAL MONITOR, OWNER FURNISHED & INSTALLED

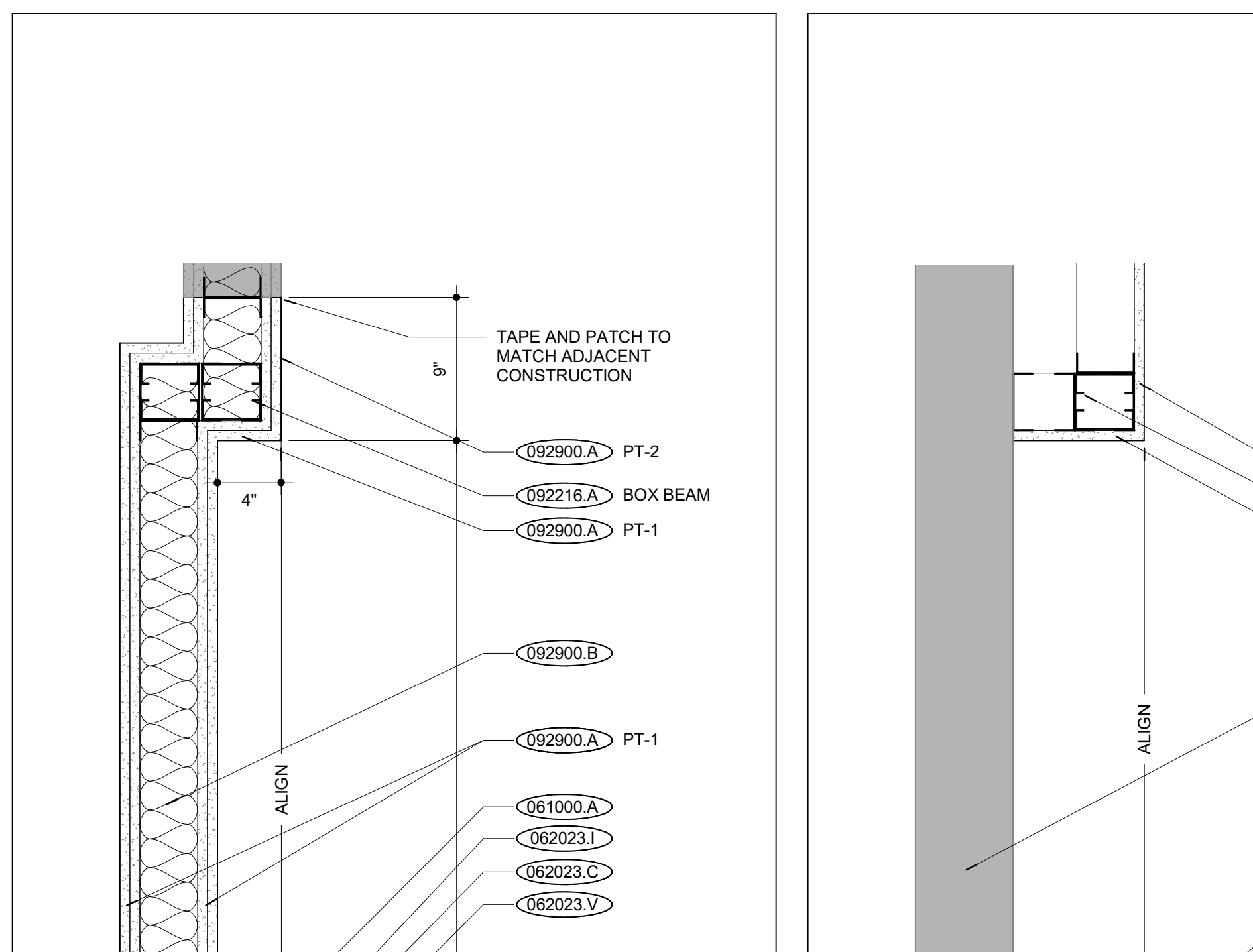
DIVISION 12 FURNISHINGS  
DIVISION 14 CONVEYING EQUIPMENT  
DIVISION 22 PLUMBING

DIVISION 23 HVAC  
DIVISION 26 ELECTRICAL  
262726.C RECEPTACLE COVER PLATE (S.S.) (RE: ELECT.)  
265100.A INTERIOR LIGHT FIXTURE (RE: ELECT.)

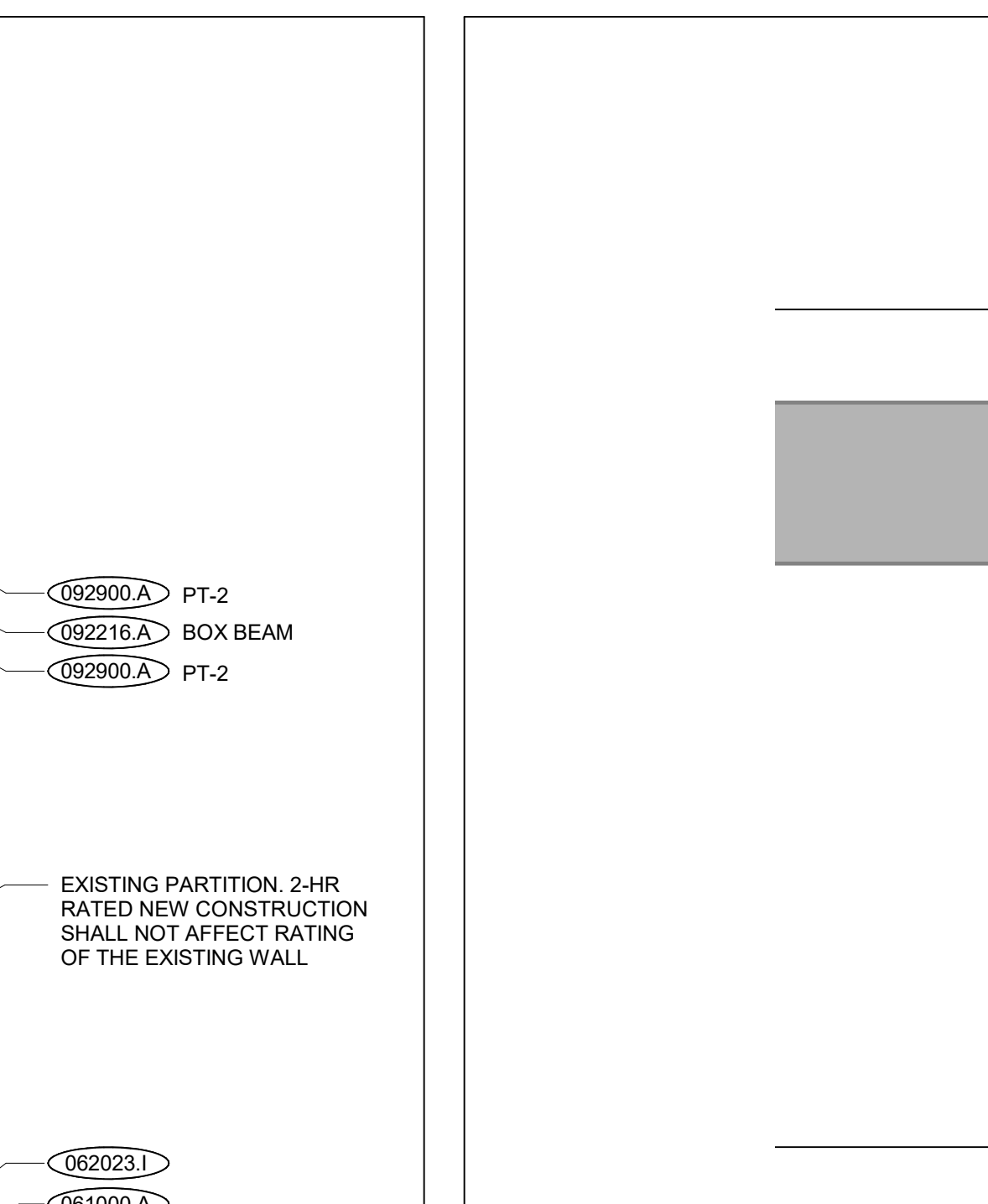
DIVISION 31 EARTHWORK  
DIVISION 32 EXTERIOR IMPROVEMENTS



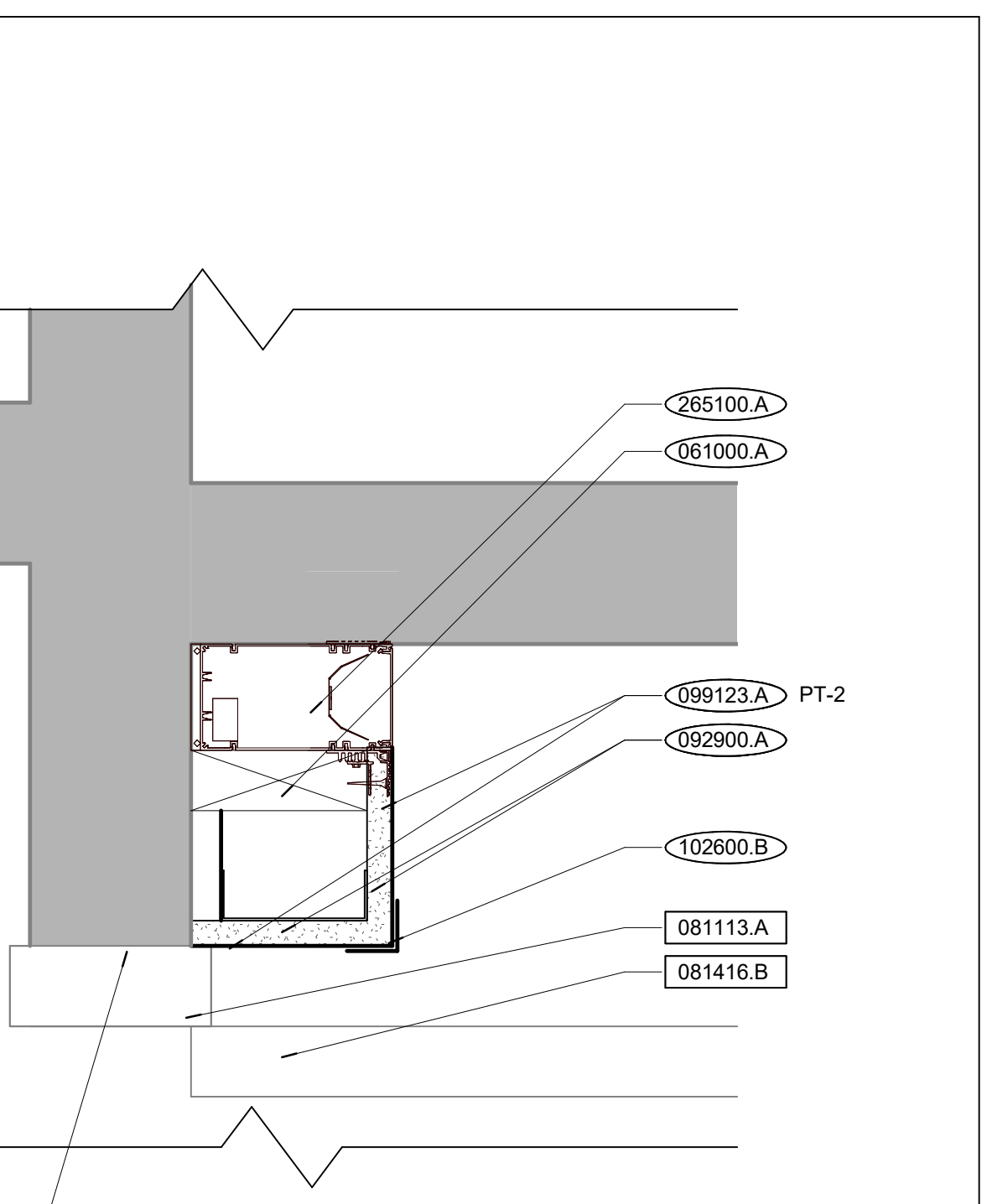
COVE BENCH - WEST ELEV. | L28  
SCALE: 1/2" = 1'-0"



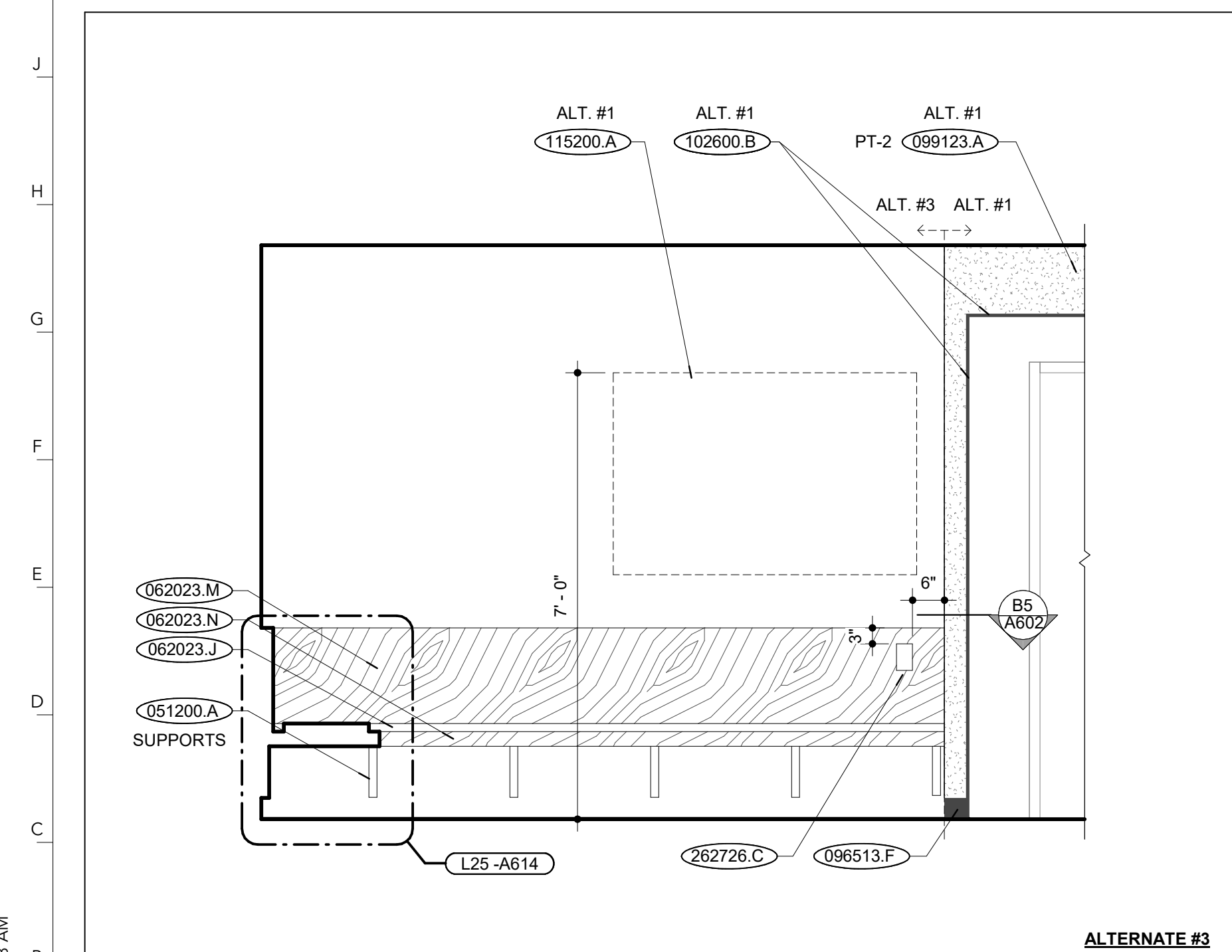
MAIL ALCOVE - SECTION 1 | B21  
SCALE: 1/2" = 1'-0"



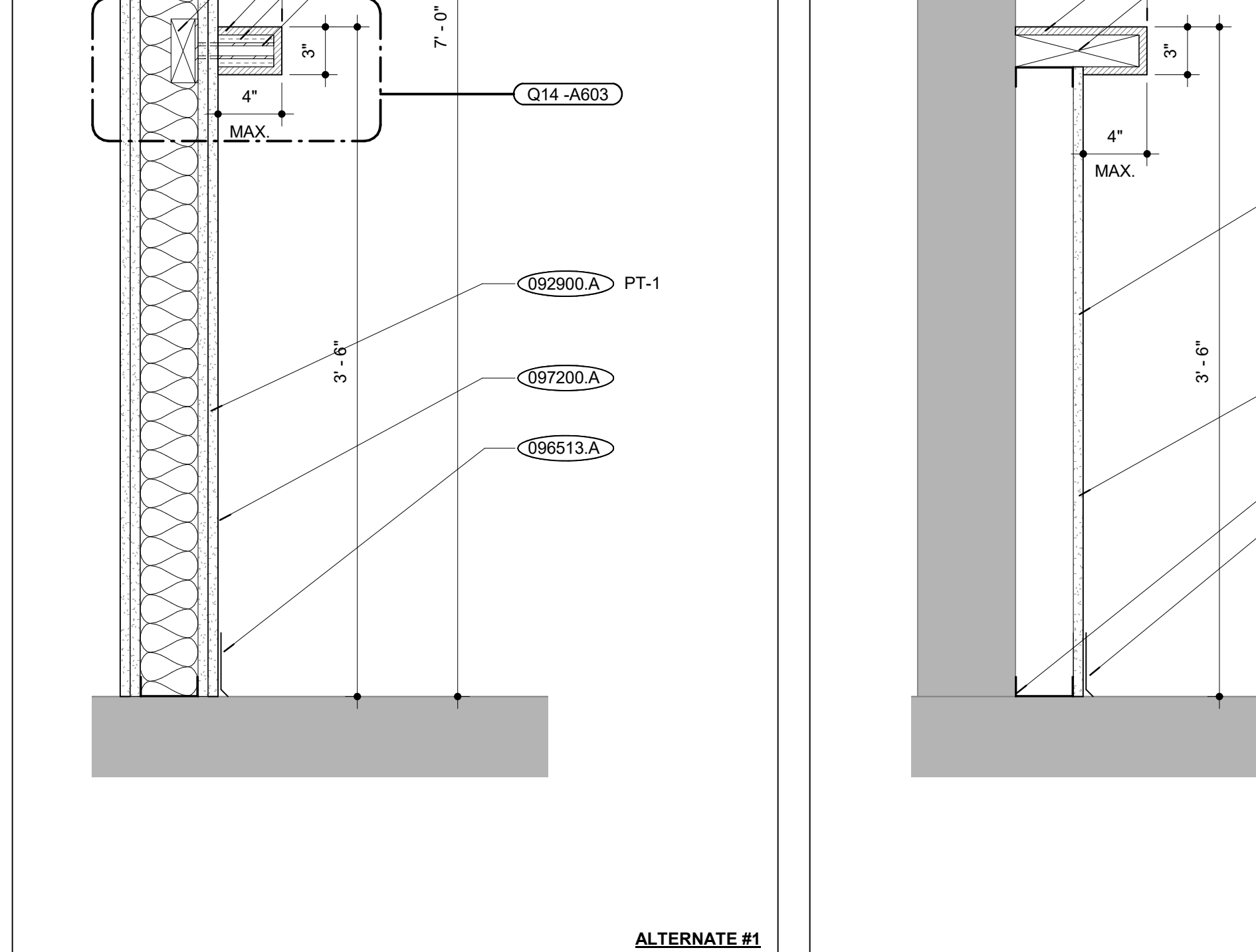
MAIL ALCOVE - SECTION 2 | B15  
SCALE: 1/2" = 1'-0"



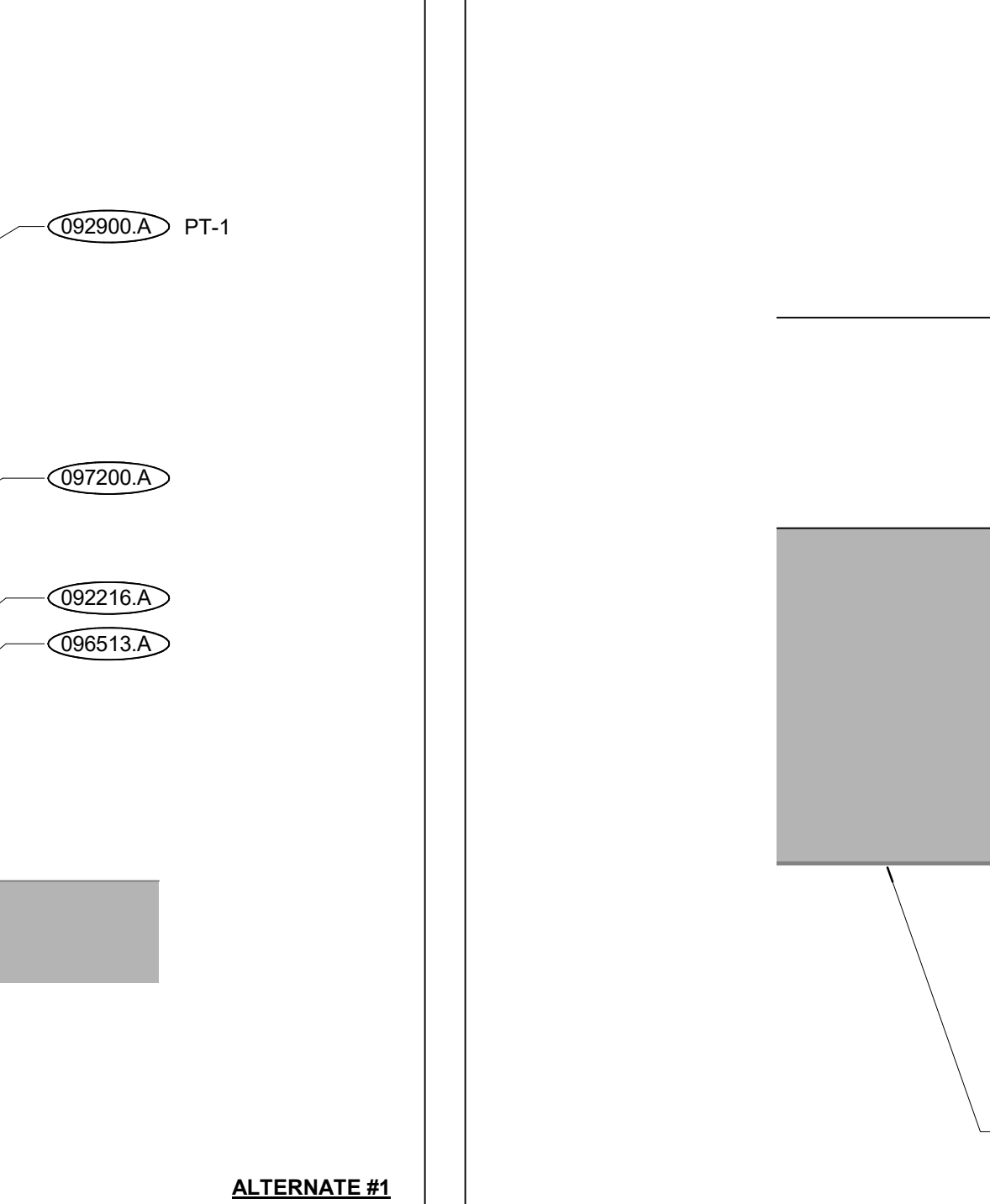
CHEMISTRY BUILDING INTERIOR ENTRY DTL. | B5  
SCALE: 3/4" = 1'-0"



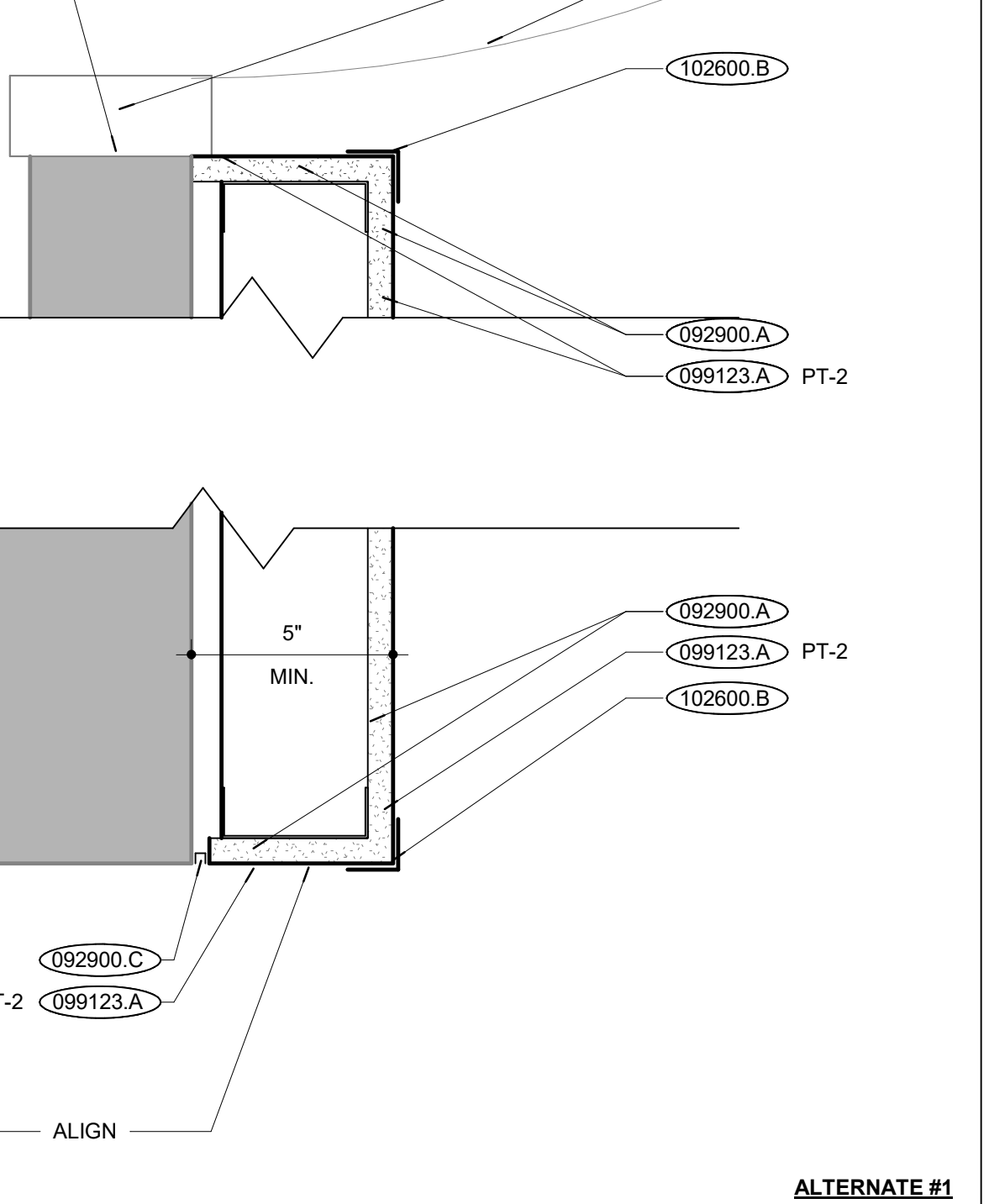
BUILDING LOBBY - NORTH ELEVATION | B28  
SCALE: 1/2" = 1'-0"



MAIL ALCOVE - SECTION 1 | B21  
SCALE: 1/2" = 1'-0"



MAIL ALCOVE - SECTION 2 | B15  
SCALE: 1/2" = 1'-0"



CHEMISTRY BUILDING INTERIOR ENTRY DTL. | B5  
SCALE: 3/4" = 1'-0"

NOTES | B1

9/17/2024 11:18:53 AM



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MEP CONSULTANT

IMEG, CORP.

1600 BALTIMORE AVE., SUITE 300  
 KANSAS CITY, MO 64108  
 PH: 816.842.8437



FOR THE CURATORS OF  
 THE UNIVERSITY OF MISSOURI

CHEMISTRY  
 BUILDING - 1ST  
 FLOOR  
 RENOVATION

ISSUED FOR  
 CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA



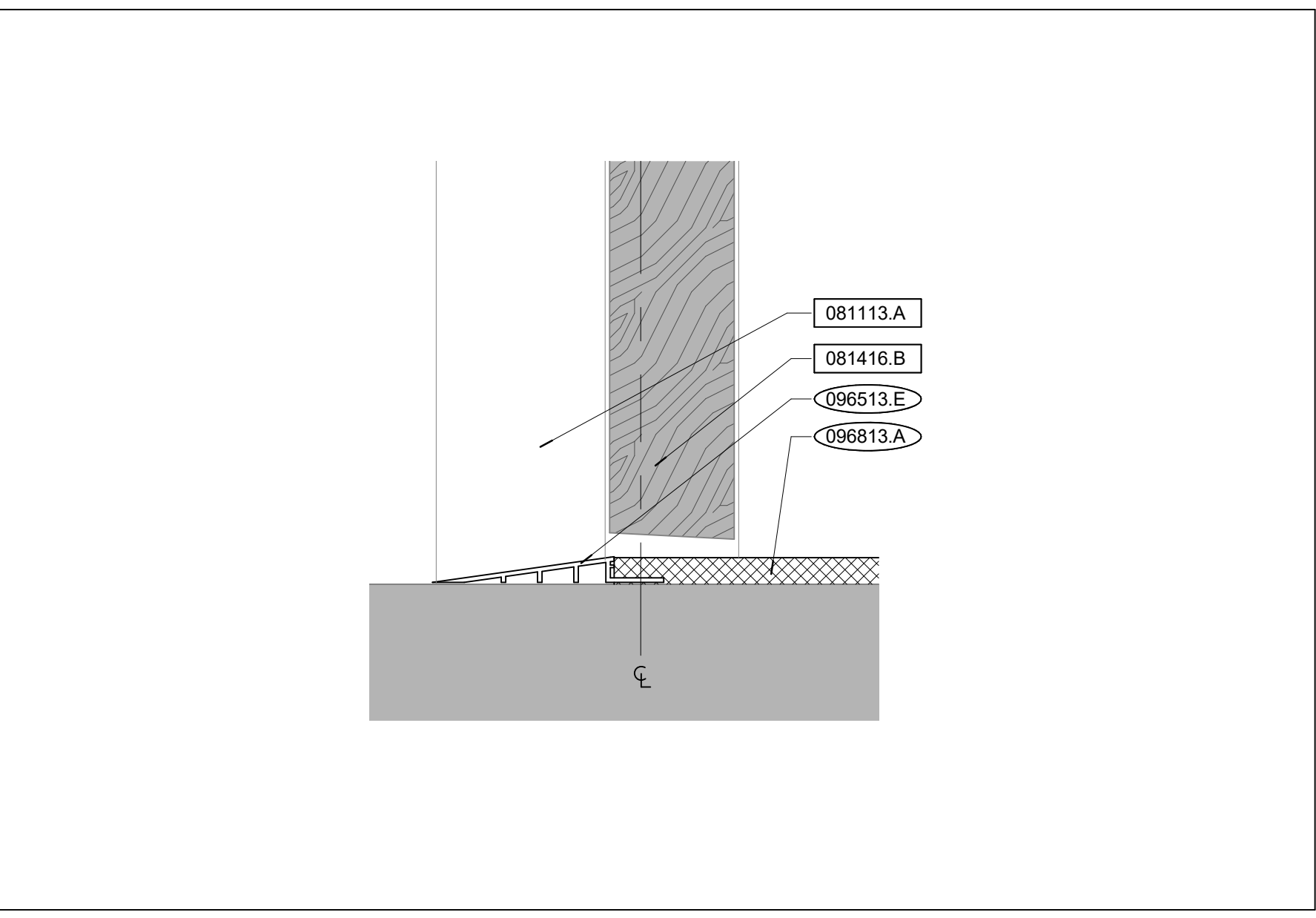
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NO.	REVISION	SUBMISSION	DATE
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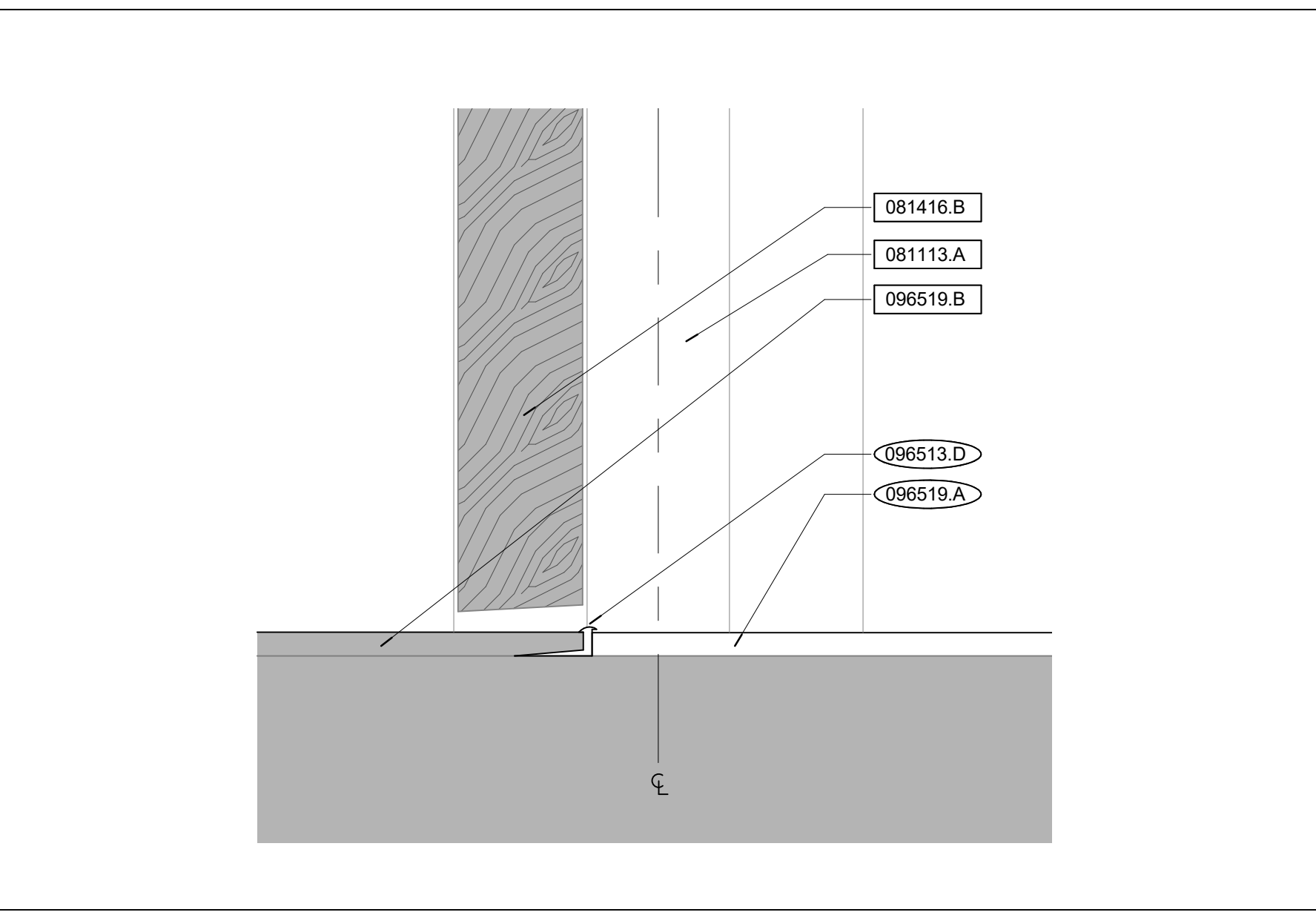
INTERIOR DETAILS

A603

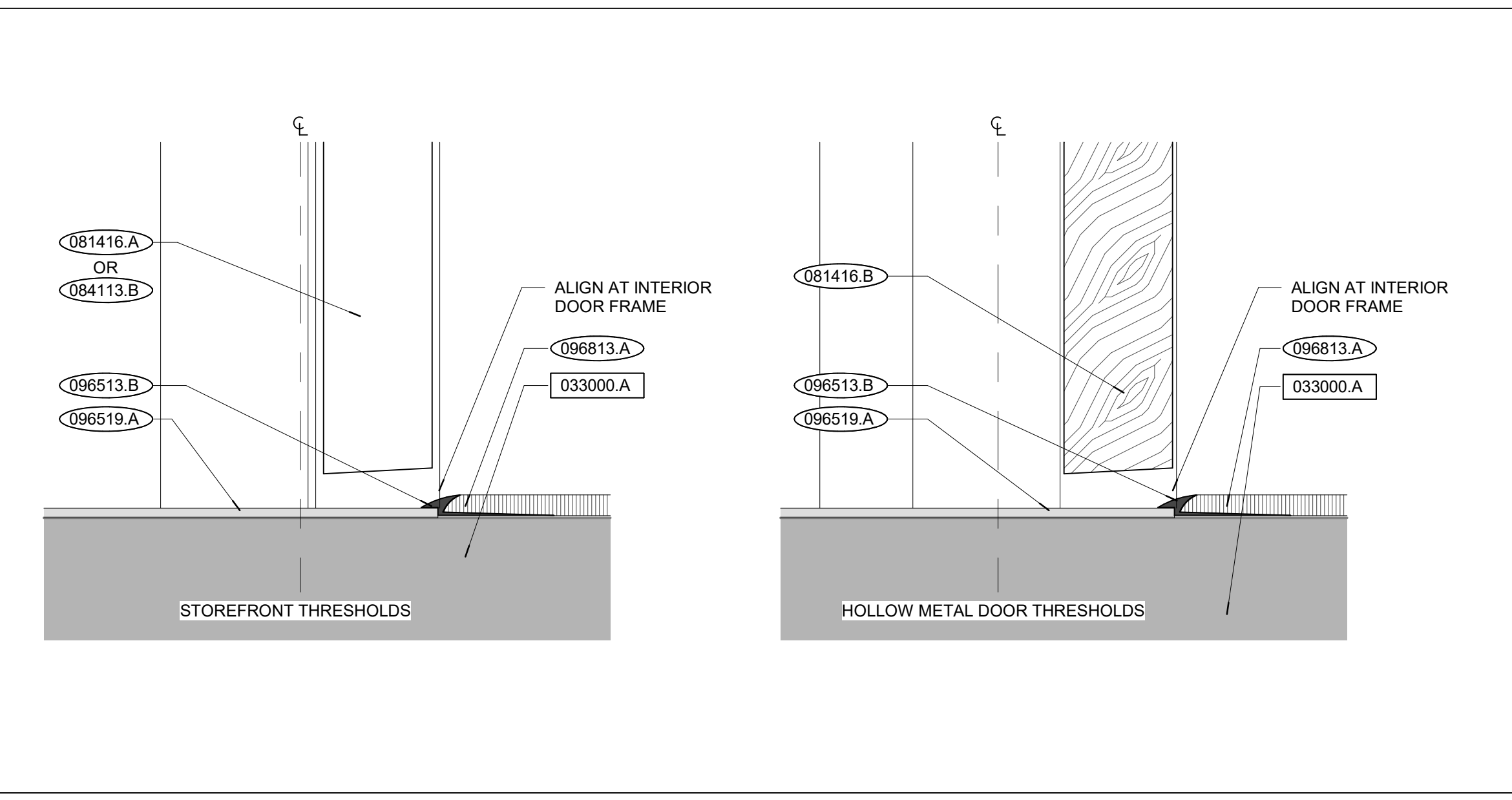
- EXISTING CONSTRUCTION 000000.X  
 EXISTING CONSTRUCTION 000000.X \*  
 TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET
- NEW CONSTRUCTION 000000.X
- DIVISION 03 CONCRETE**  
 033000.A CAST-IN-PLACE CONCRETE
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**  
 051200.A STEEL HSS  
 051200.B 3/8" HOT-DIP GALVANIZED ALL-THREADED ANCHOR  
 051200.D 1/8" STEEL PLATE
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
- DIVISION 07 THERMAL + MOISTURE PROTECTION**  
 079500.A 3" EXPANSION JOINT COVER
- DIVISION 08 OPENINGS**  
 081113.A HOLLOW METAL FRAME  
 081416.A WOOD DOOR WITH GLASS LITE  
 081416.B WOOD DOOR  
 084113.A ALUMINUM STOREFRONT  
 084113.B ALUMINUM DOOR
- DIVISION 09 FINISHES**  
 096513.B FLOOR TRANSITION STRIP (CPT-LVT) (LVT-SUBFLOOR)  
 096513.C FLOOR TRANSITION STRIP (LVT-SUBFLOOR)  
 096513.D FLOOR TRANSITION STRIP (VCT-LVT) (CPT-SUBFLOOR)  
 096513.E FLOOR TRANSITION STRIP (CPT-SUBFLOOR)  
 096519.A LUXURY VINYL TILES  
 096519.B VINYL COMPOSITE TILES  
 096813.A CARPET TILE
- DIVISION 10 SPECIALTIES**  
 101419.B 1/4" POWDER COATED ALUMINUM (BLACK)  
 101419.C 1/4" POWDER COATED ALUMINUM (RED)
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**



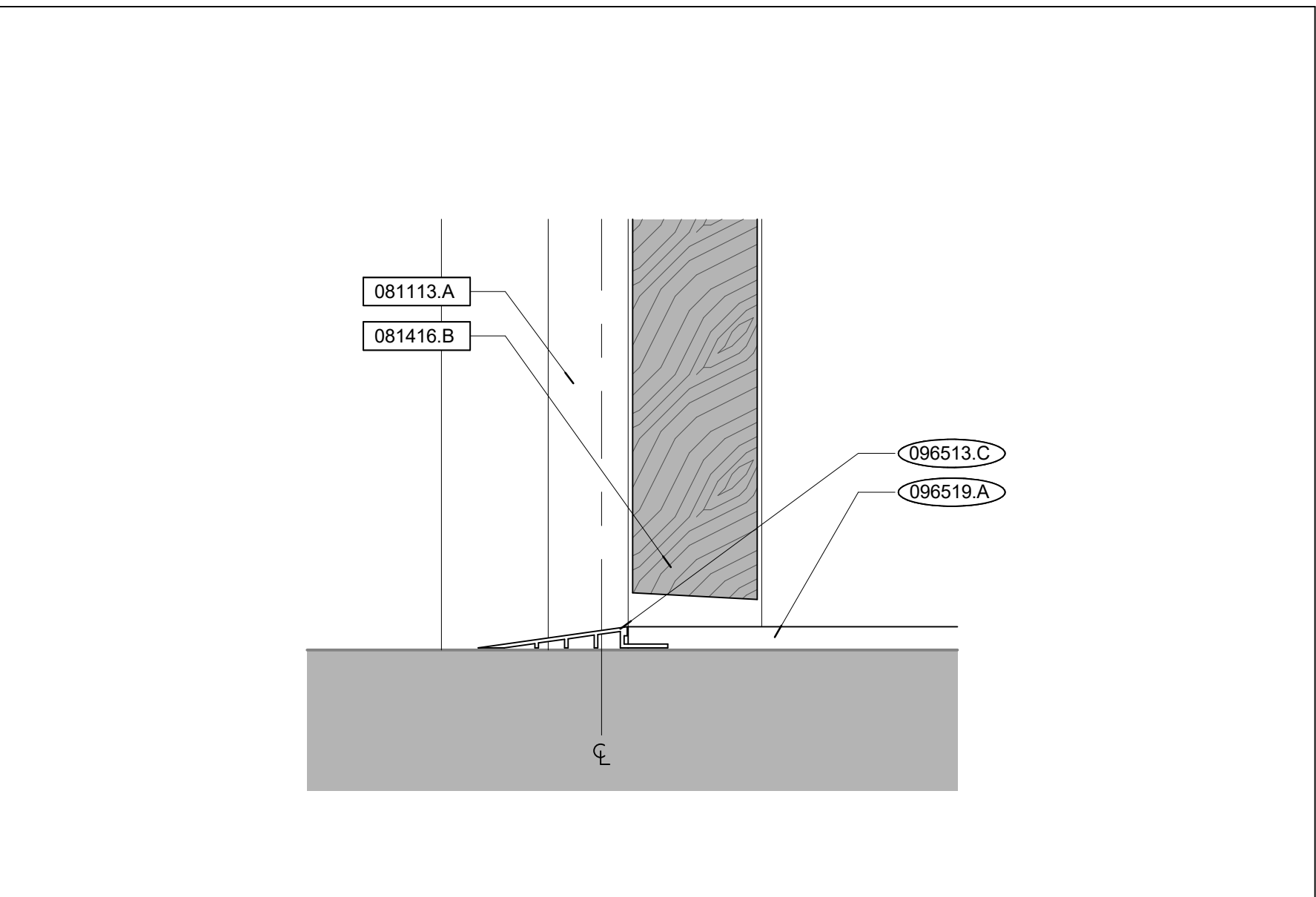
CPT-SUBFLOOR THRESHOLD TRANSITION DTL. X5



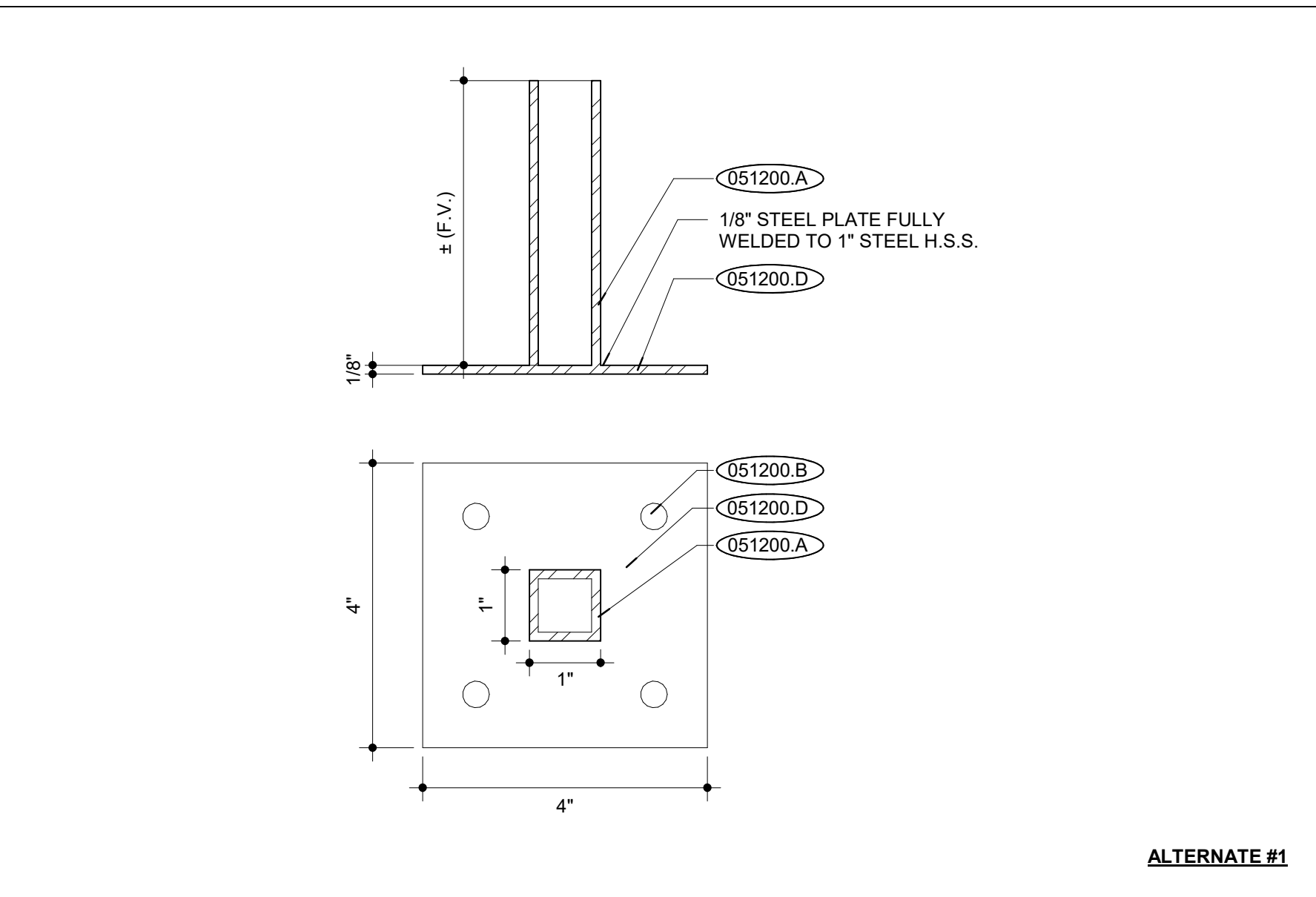
EXIST. VCT - LVT THRESHOLD TRANSITION DTL. X14



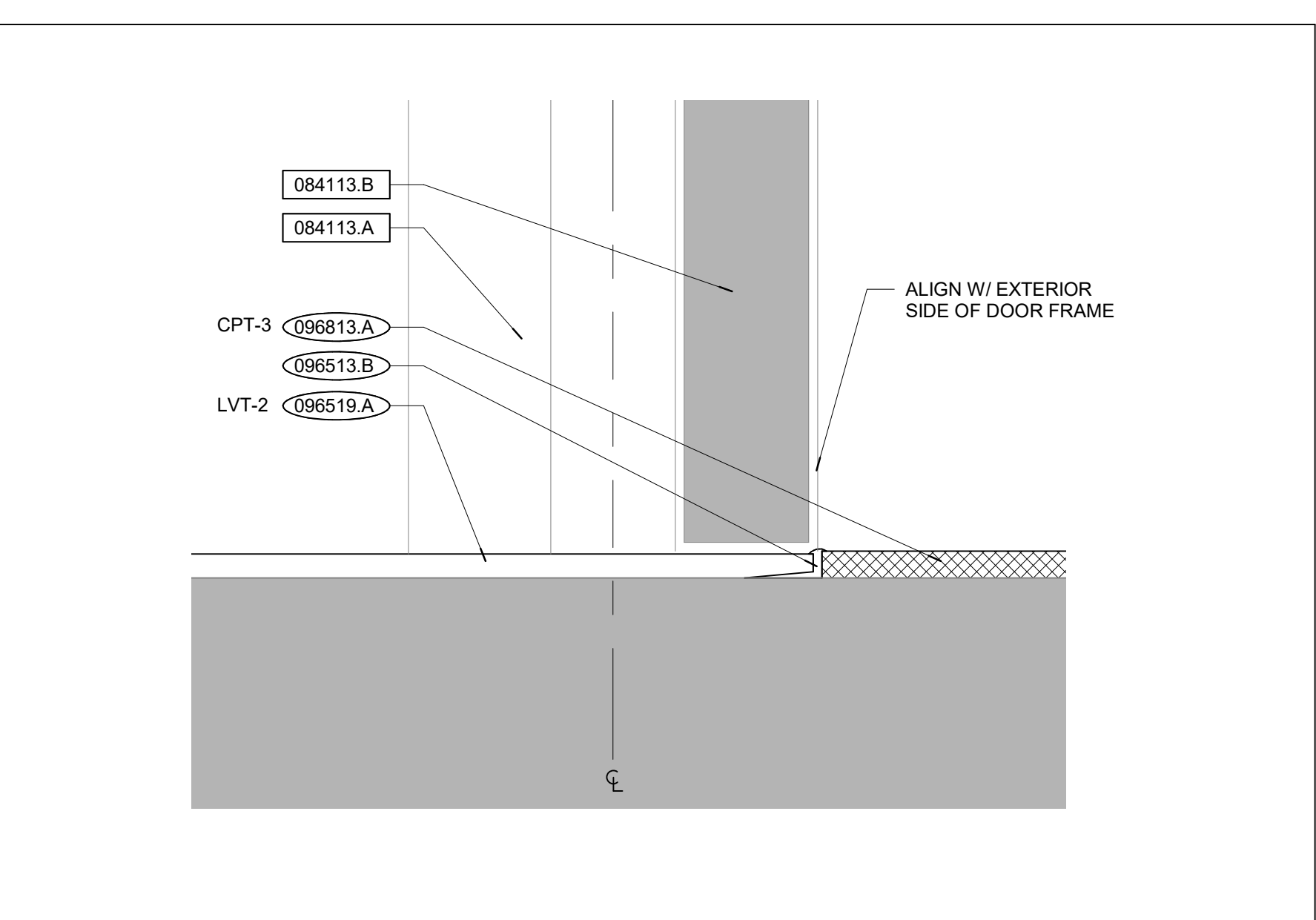
CPT - LVT FLOOR THRESHOLD TRANSITION DETAIL X24



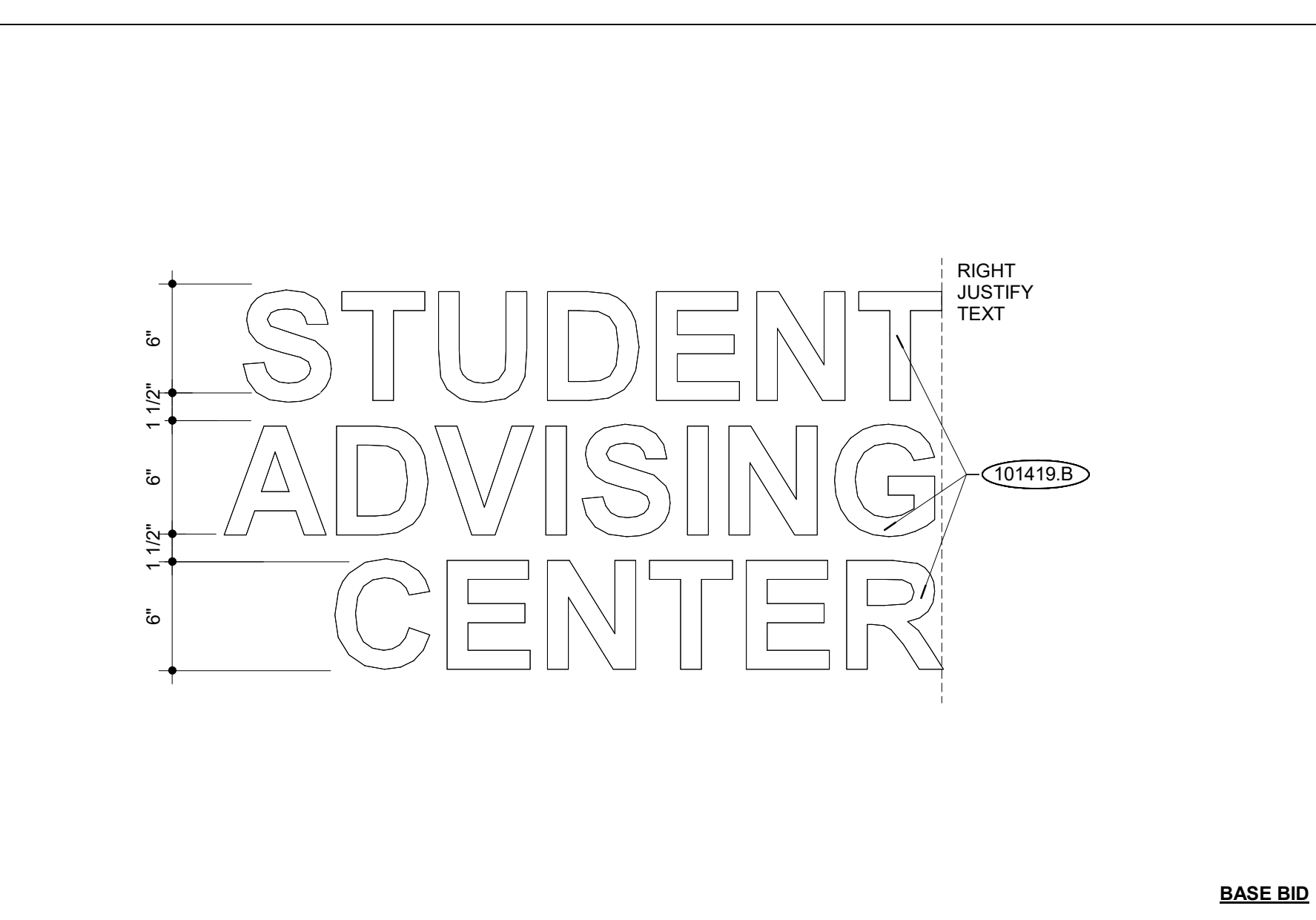
LVT-SUBFLOOR THRESHOLD TRANSITION DTL. Q5



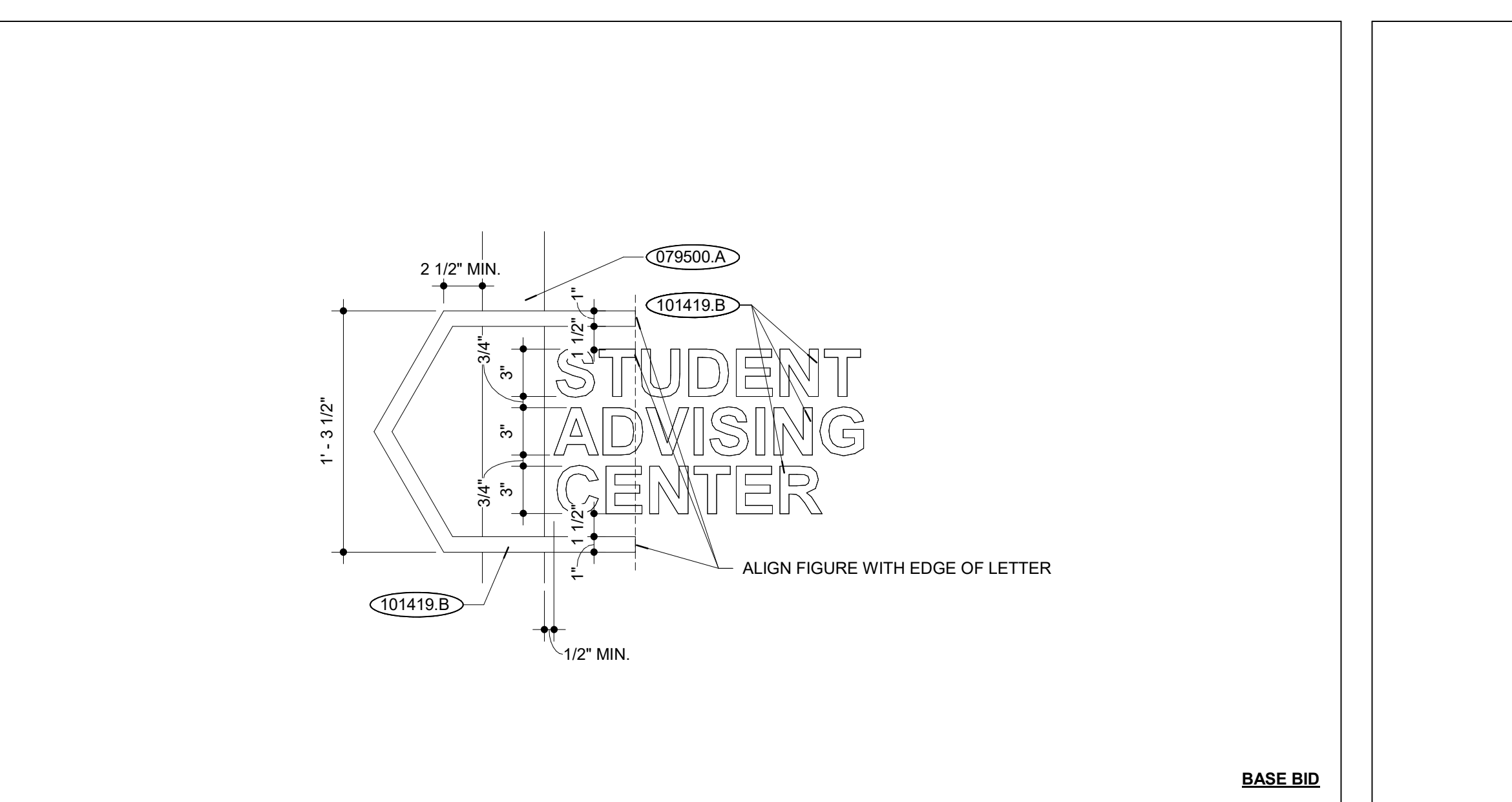
CUSTOM STEEL SUPPORT BRACKET DTL. Q14



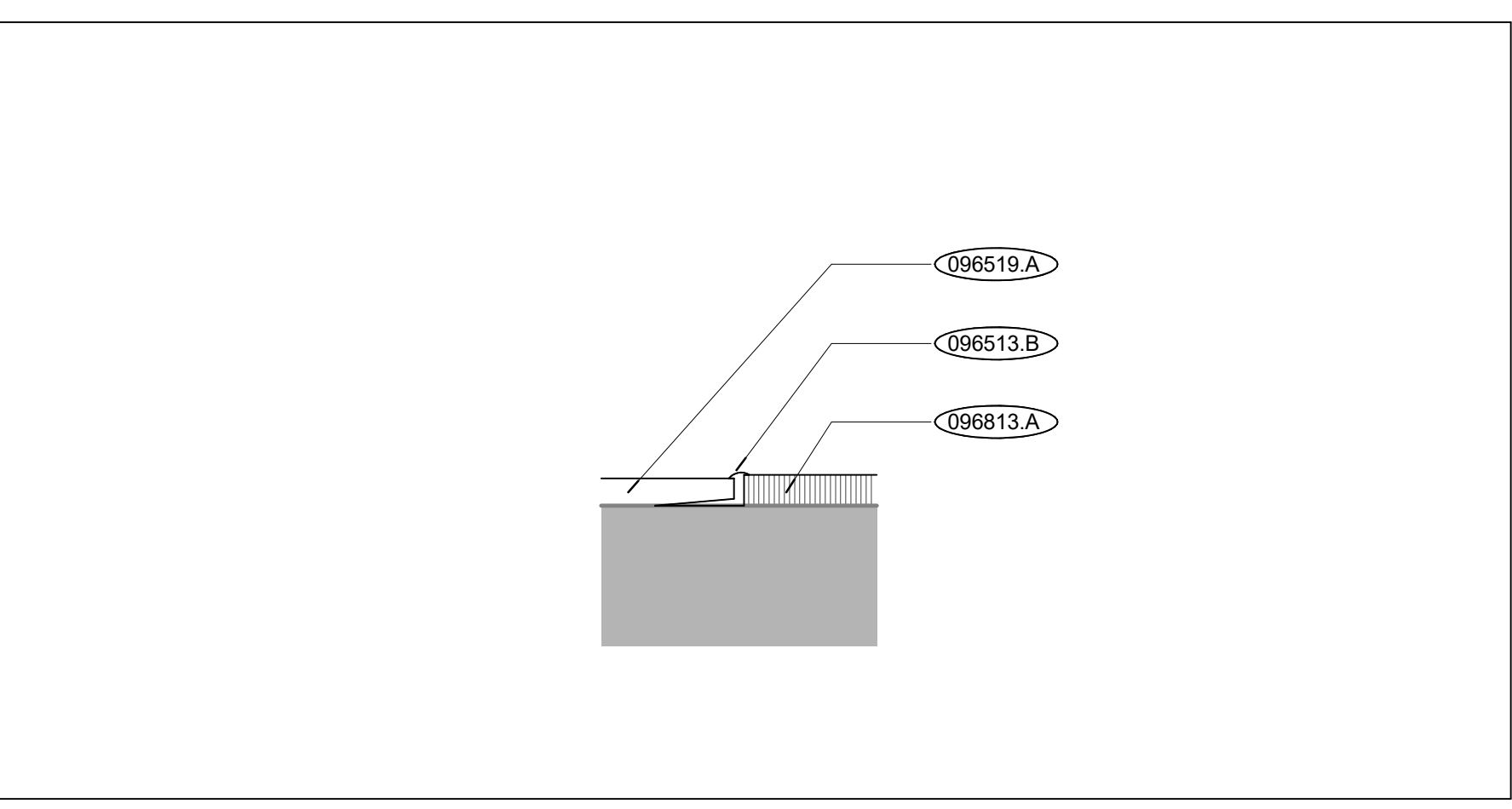
VESTIBULE THRESHOLD TRANSITION DTL. H5



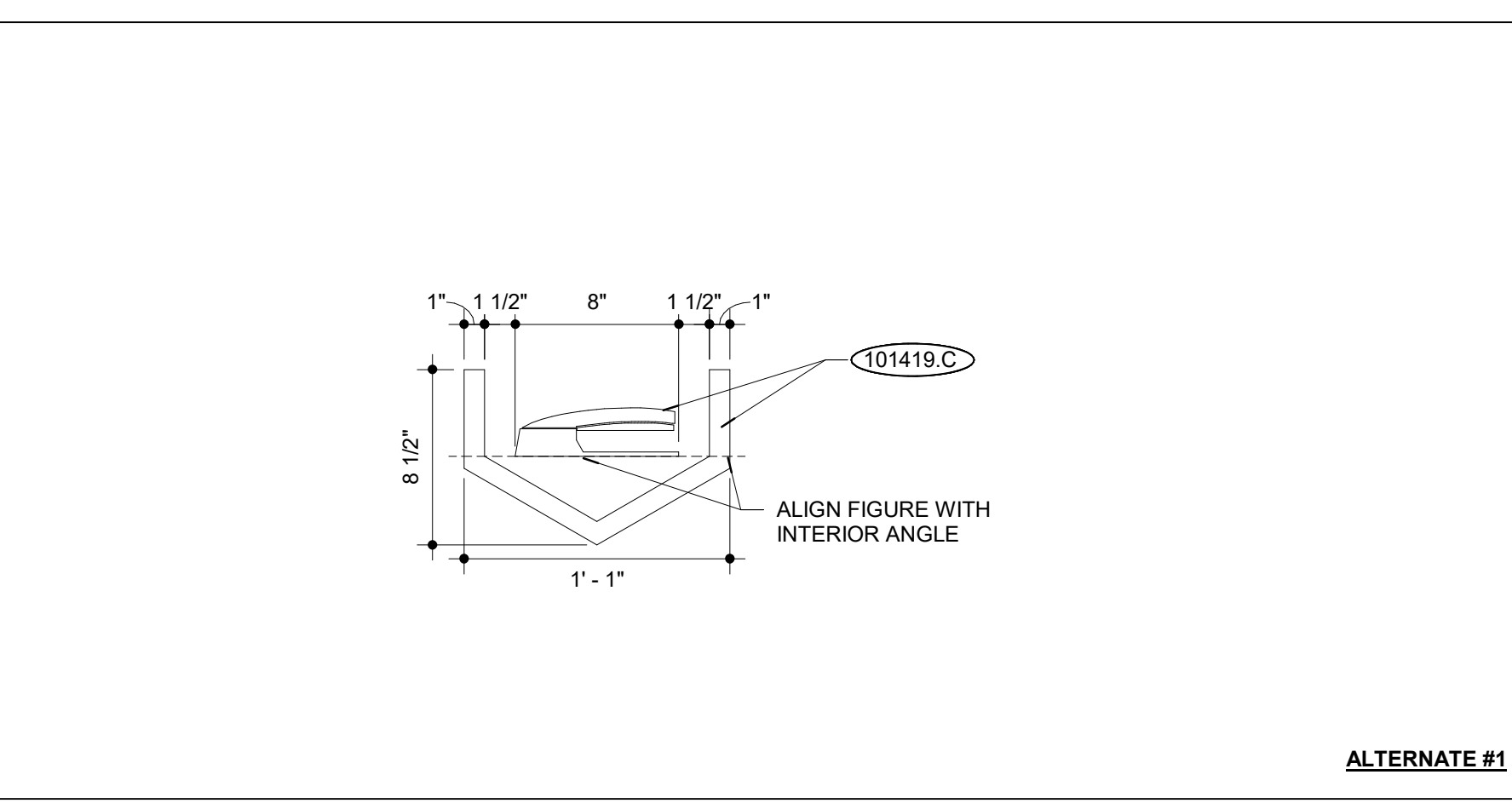
SIGNAGE D H14



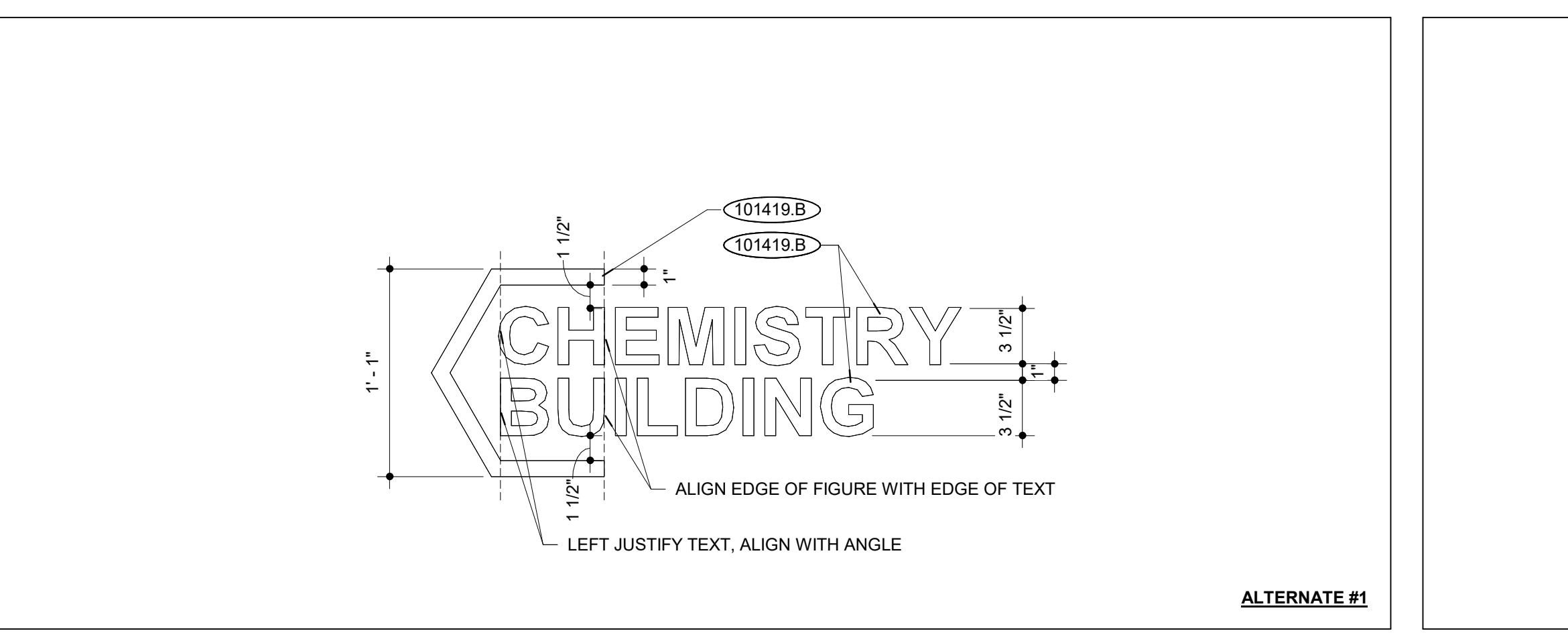
SIGNAGE C H26



LVT - CPT TRANSITION DTL. B5



SIGNAGE B B14



SIGNAGE A B26

NOTES B1



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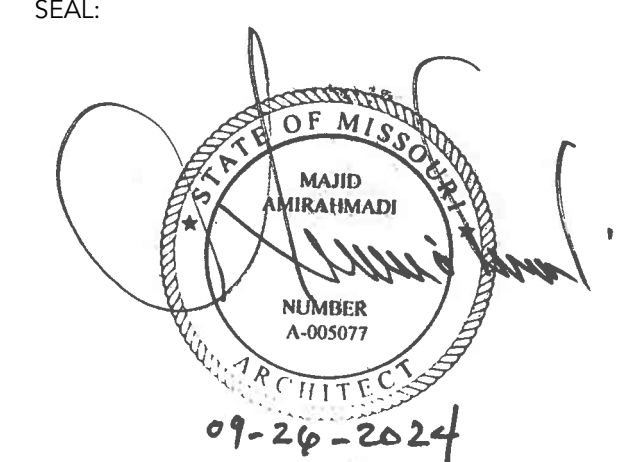
FOR THE CURATORS OF  
 THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA



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## BASE BID CASEWORK PLAN & DETAILS

# A610

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### DIVISION 03 CONCRETE

### DIVISION 04 MASONRY

### DIVISION 05 METALS

### DIVISION 06 WOOD, PLASTICS + COMPOSITES

- 061000.A WOOD BLOCKING
- 062023.A 3/4" PLYWOOD
- 062023.E 3/4" MDF
- 062023.F ADJUSTABLE SHELF STANDARDS
- 062023.G 3/4" SOLID SURFACE
- 062023.J 1/2" SOLID SURFACE
- 062023.K RECESSED FLOOR LEVELERS
- 062023.L PLASTIC LAMINATE
- 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
- 062023.N SOLID HARDWOOD TRIM (STAINED TO MATCH)
- 062023.O COUNTERTOP SUPPORT BRACKET
- 062023.P GROMMET COVER
- 062023.Q CASEWORK HINGES
- 062023.S CABINET LOCK
- 062023.U DROP EDGE PULL

### DIVISION 07 THERMAL + MOISTURE PROTECTION

- 079200.A JOINT SEALANT

### DIVISION 08 OPENINGS

### DIVISION 09 FINISHES

- 096513.A RESILIENT BASE
- 096513.F ALUMINUM REVEAL WALL BASE

### DIVISION 10 SPECIALTIES

### DIVISION 11 EQUIPMENT

### DIVISION 12 FURNISHINGS

### DIVISION 14 CONVEYING EQUIPMENT

### DIVISION 22 PLUMBING

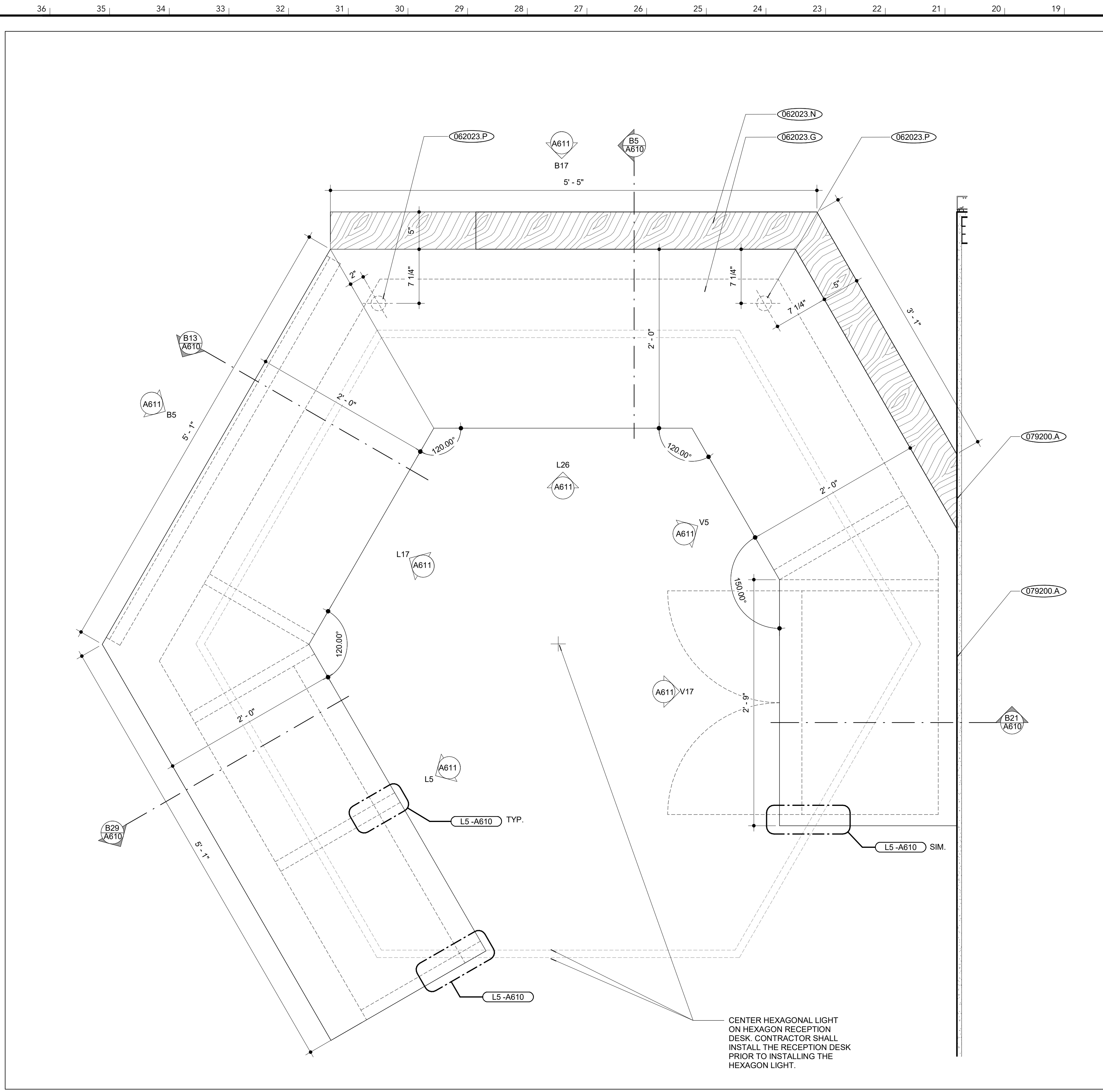
### DIVISION 23 HVAC

### DIVISION 26 ELECTRICAL

- 262726.C RECEPTACLE COVER PLATE (5.5) (RE-ELECT.)

### DIVISION 31 EARTHWORK

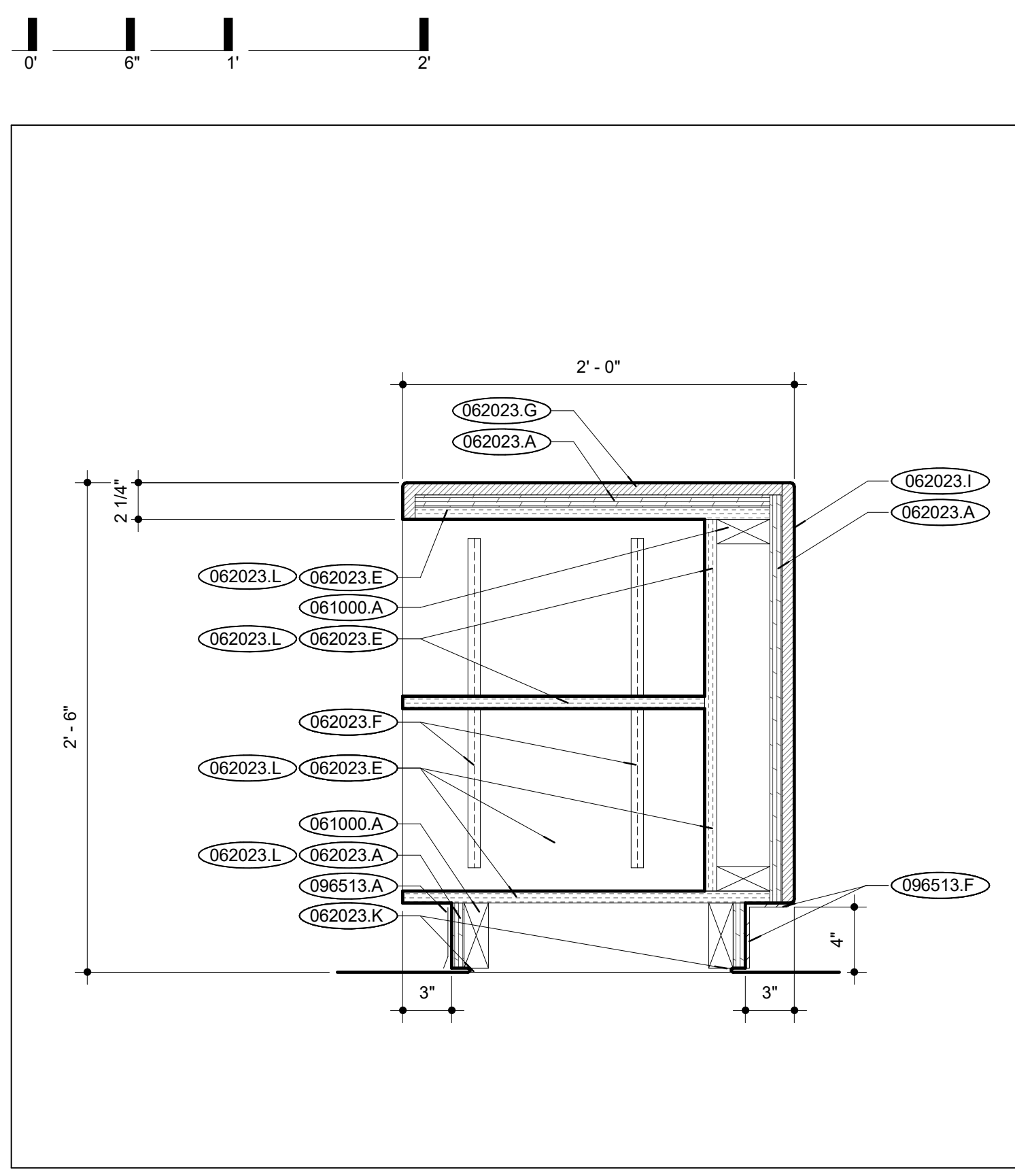
### DIVISION 32 EXTERIOR IMPROVEMENTS



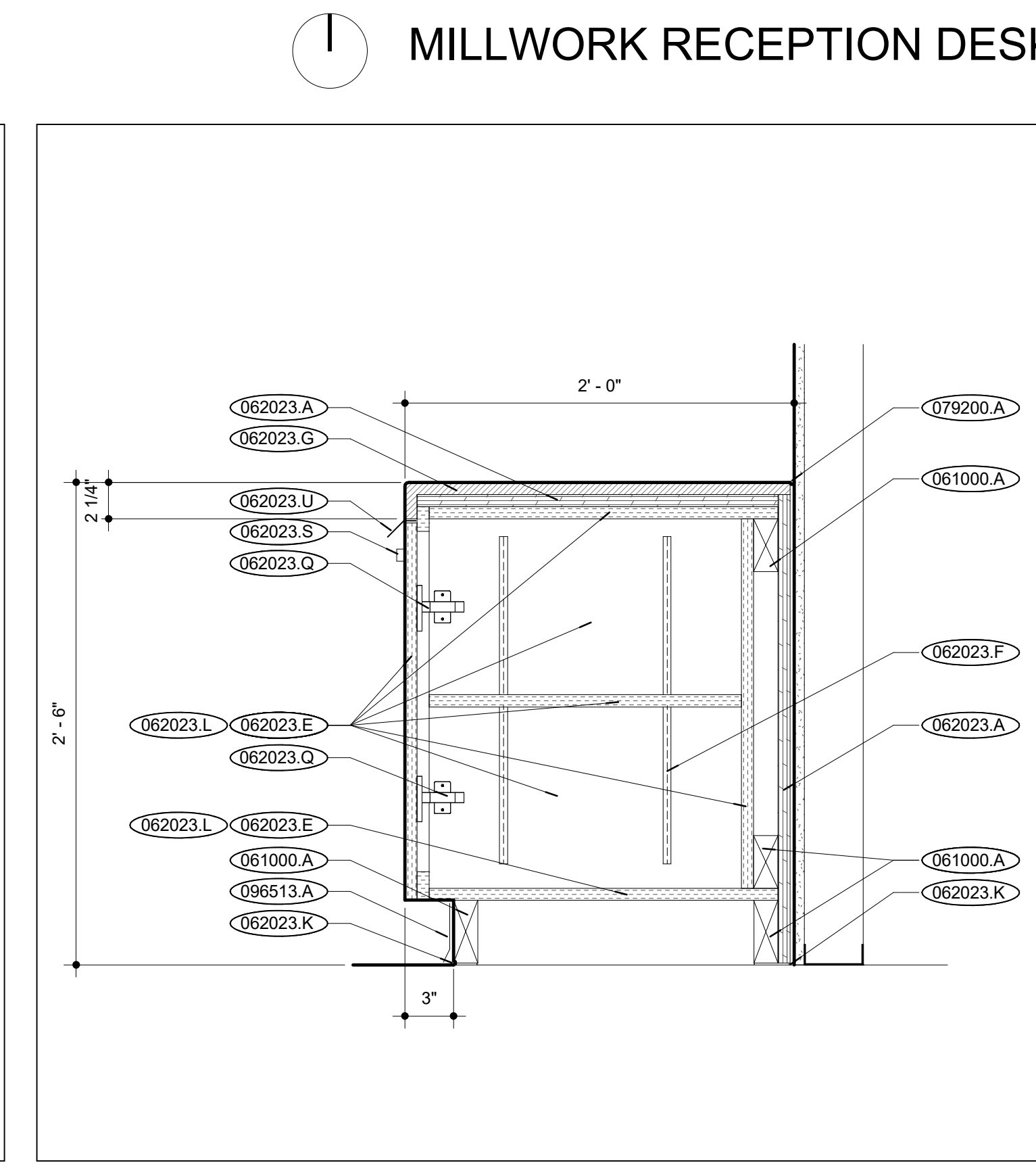
**MILLWORK RECEPTION DESK PLAN L18**  
 SCALE: 1/12" = 1'-0"



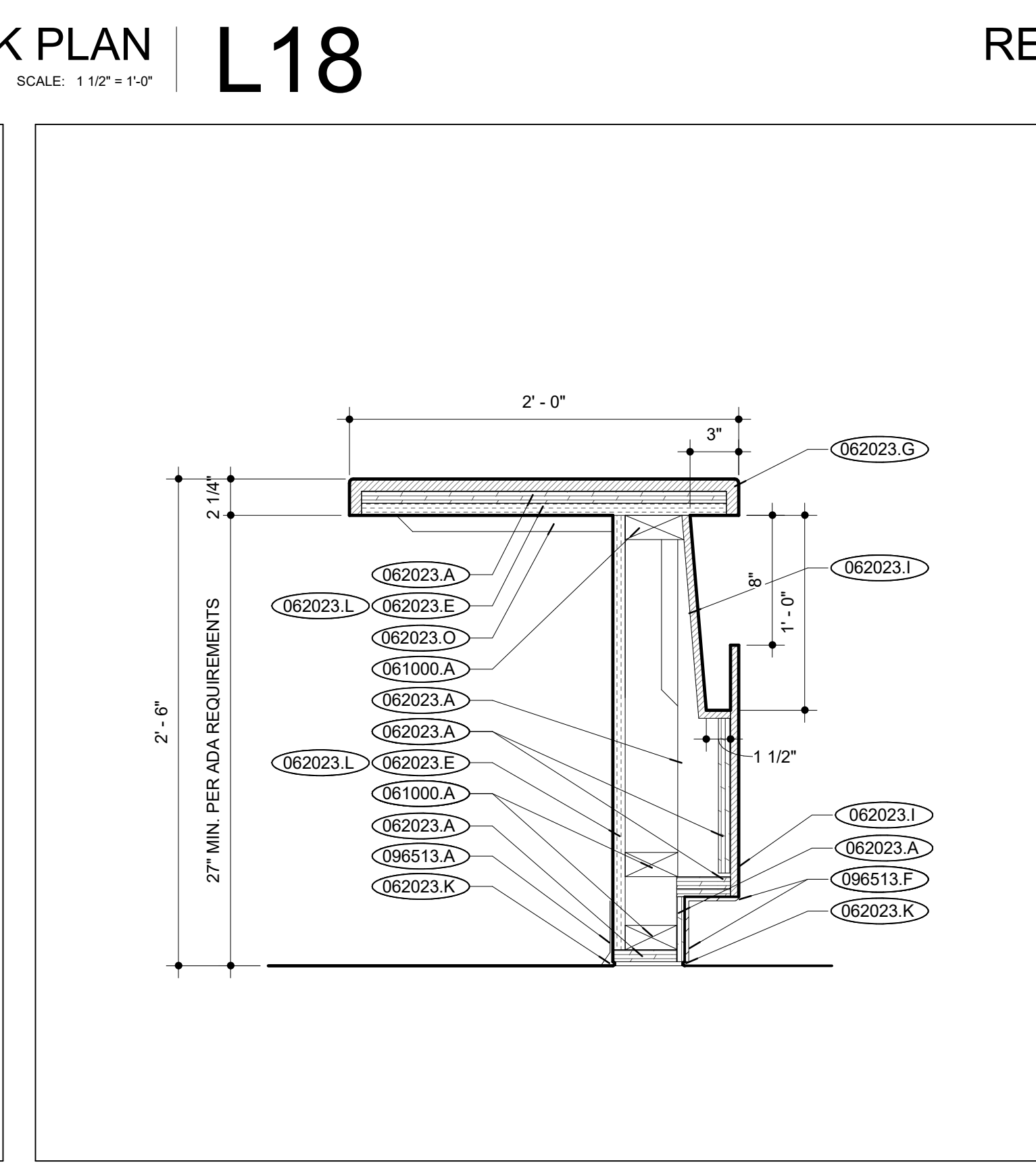
**RECEPTION DESK DIVIDER FACE DETAILS L5**  
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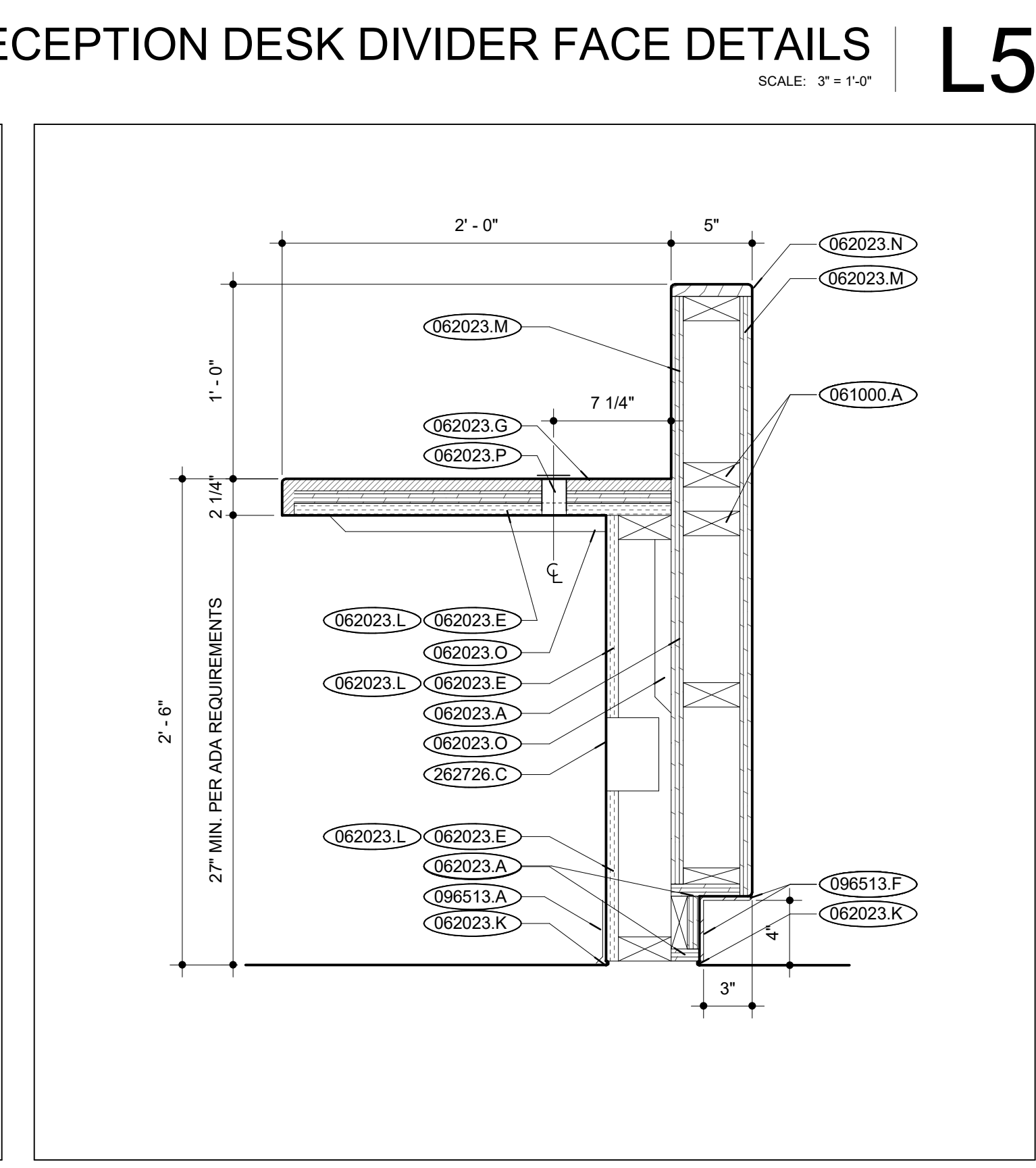
**RECEPTION DESK - TYPICAL B29**  
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**RECEPTION DESK - CABINET B21**  
 SCALE: 1/12" = 1'-0"



**RECEPTION DESK - DISPLAY B13**  
 SCALE: 1/12" = 1'-0"



**RECEPTION DESK - COVER B5**  
 SCALE: 1/12" = 1'-0"

**NOTES B1**



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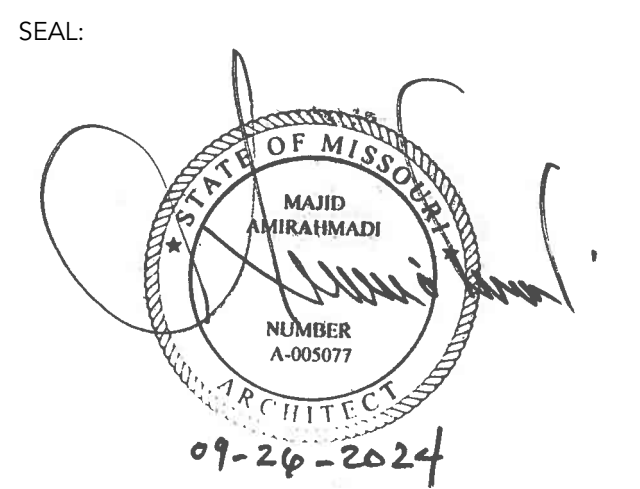
FOR THE CURATORS OF  
THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR  
CONSTRUCTION

125 CHEMISTRY BUILDING  
601 S COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: AA, IC  
DRAWN BY: IC  
CHECKED BY: AA  
APPROVED BY: MA



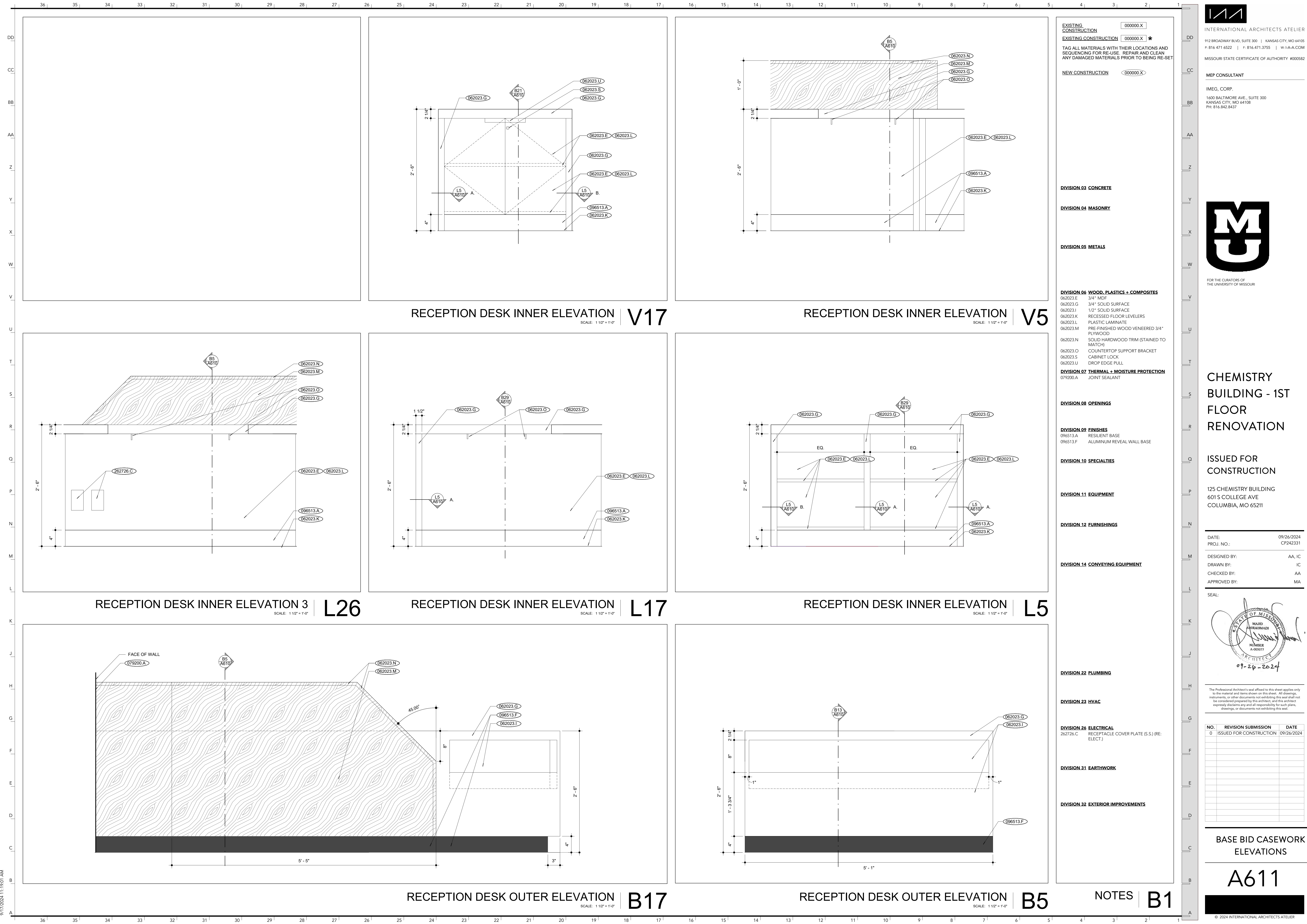
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BASE BID CASEWORK  
ELEVATIONS

# A611

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EXISTING CONSTRUCTION 000000.X  
EXISTING CONSTRUCTION 000000.X\*

NEW CONSTRUCTION 000000.X

- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
  - 062023.E 3/4" MDF
  - 062023.G 3/4" SOLID SURFACE
  - 062023.I 1/2" SOLID SURFACE
  - 062023.K RECESSED FLOOR LEVELERS
  - 062023.L PLASTIC LAMINATE
  - 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
  - 062023.N SOLID HARDWOOD TRIM (STAINED TO MATCH)
  - 062023.O COUNTERTOP SUPPORT BRACKET
  - 062023.S CABINET LOCK
  - 062023.U DROP EDGE PULL
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
  - 079200.A JOINT SEALANT
- DIVISION 08 OPENINGS**
- DIVISION 09 FINISHES**
  - 096513.A RESILIENT BASE
  - 096513.F ALUMINUM REVEAL WALL BASE
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
  - 262726.C RECEPTACLE COVER PLATE (S.S.) (RE-ELECT.)
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**

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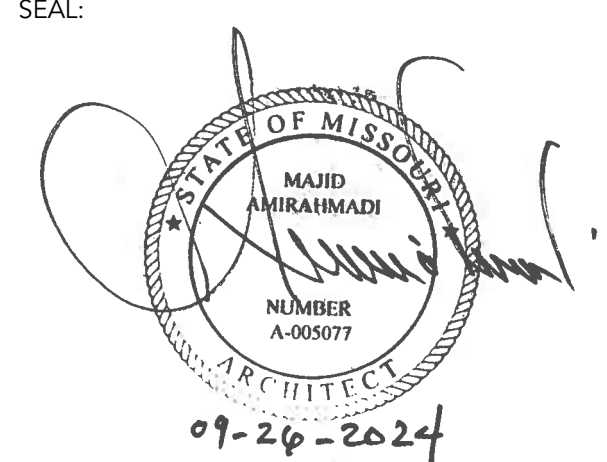
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 APPROVED BY: MA



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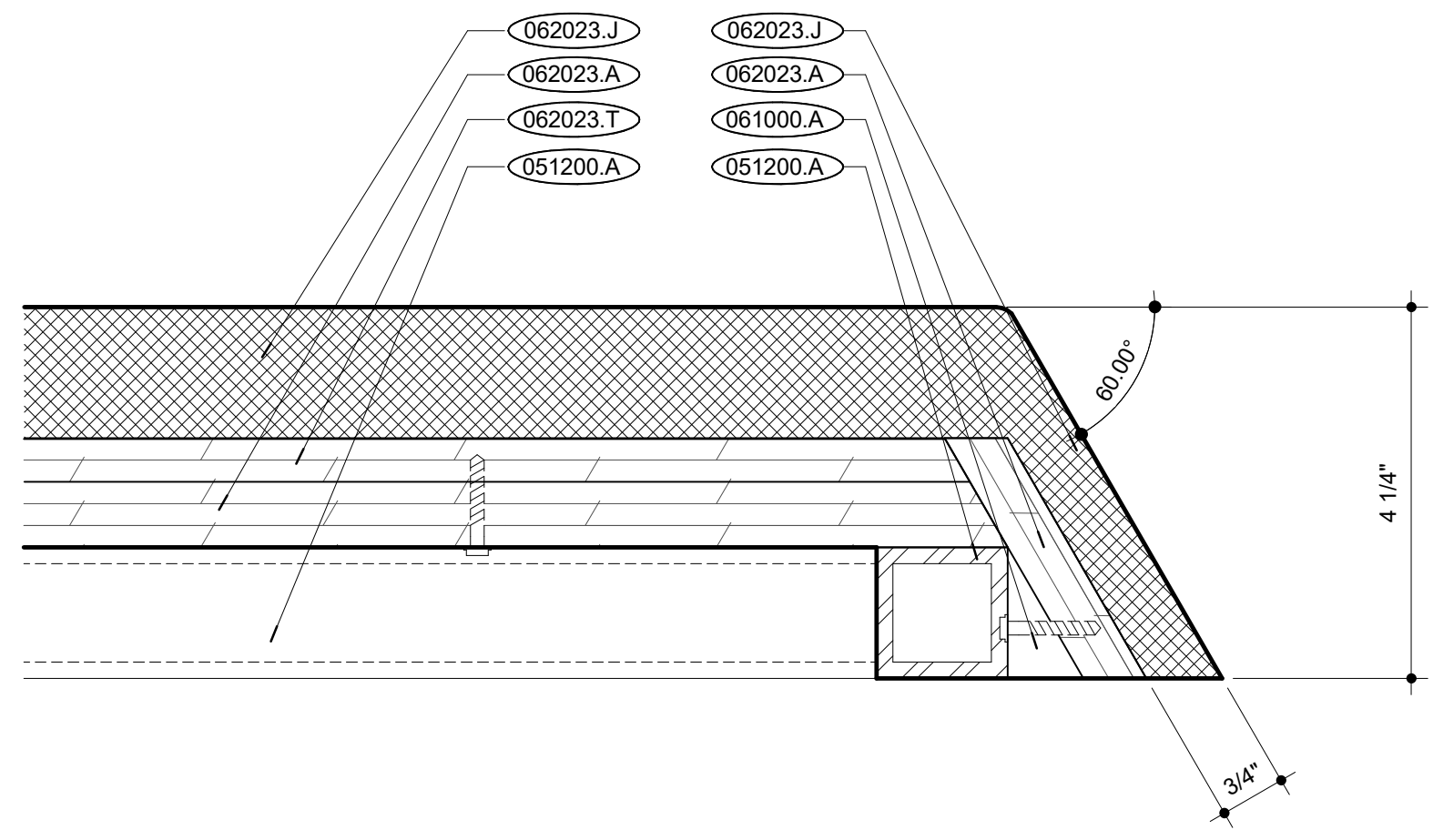
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BASE BID CASEWORK  
 PLAN & DETAILS

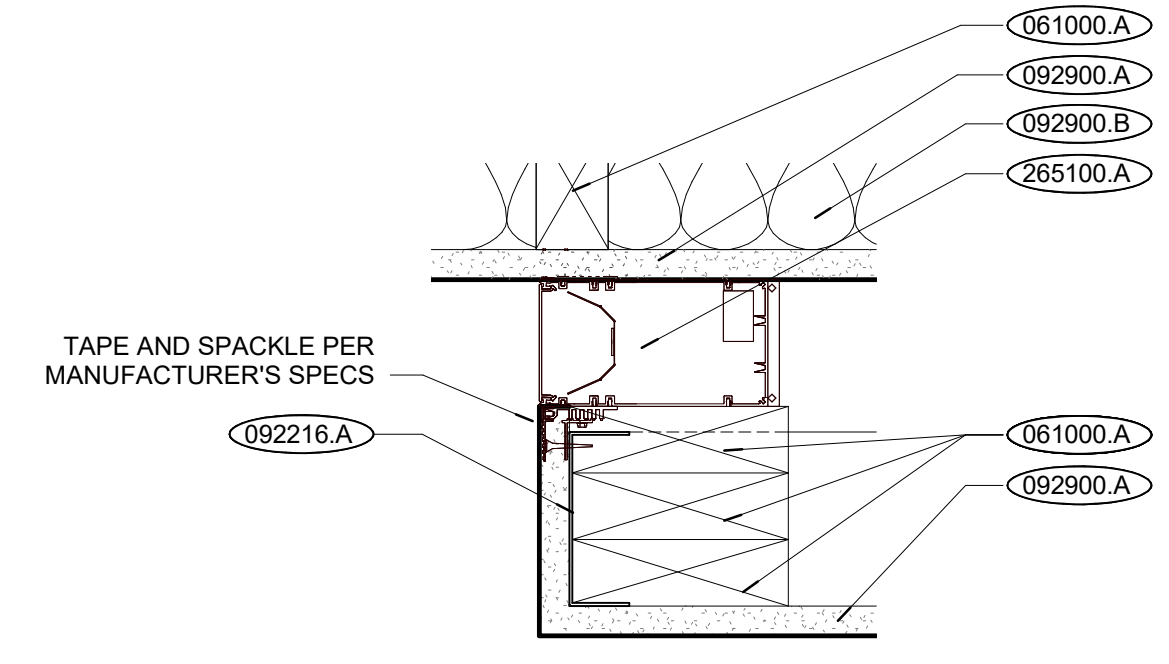
**A612**

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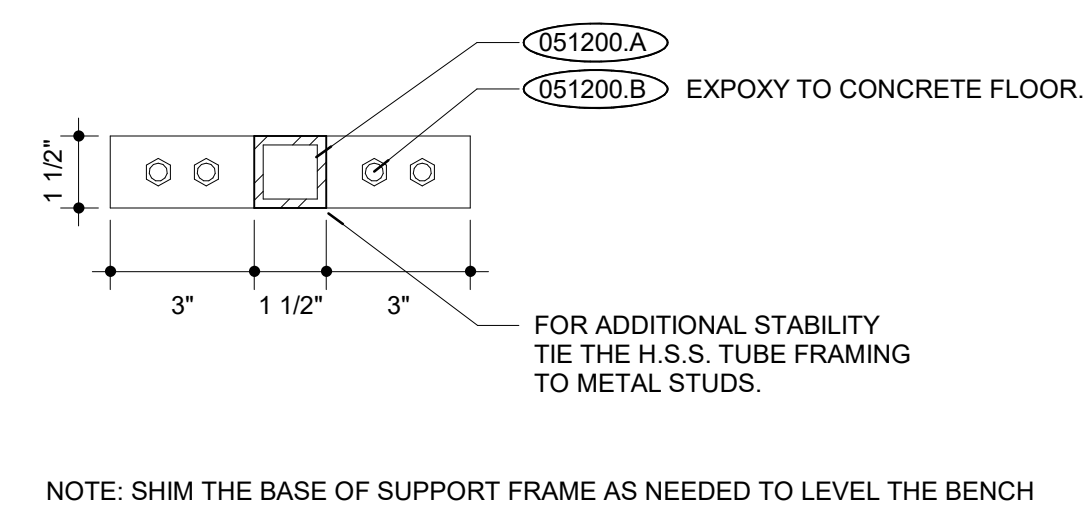
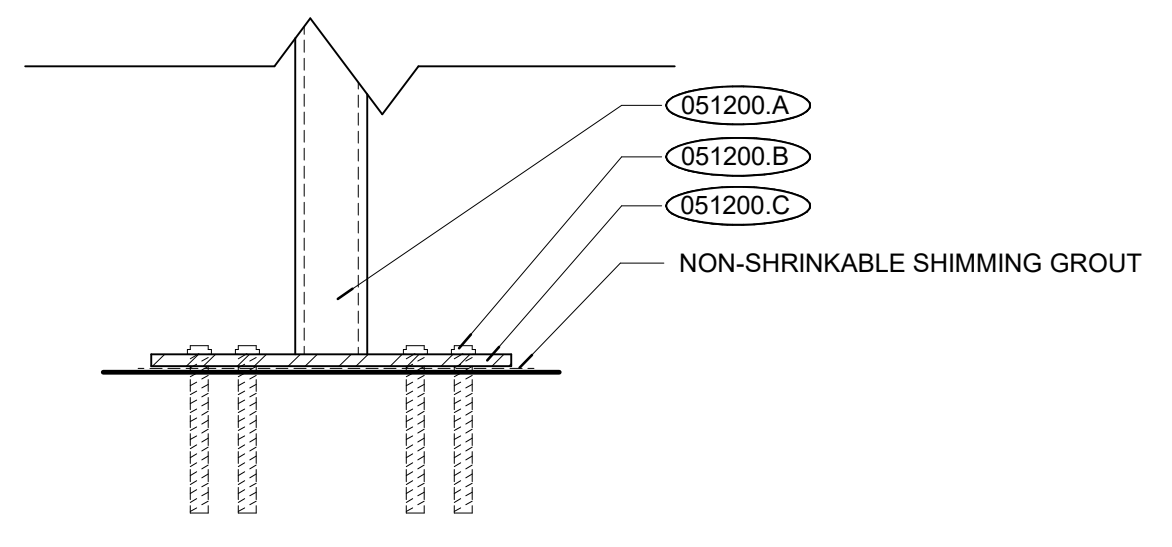
- EXISTING CONSTRUCTION** 000000.X
- EXISTING CONSTRUCTION** 000000.X \*
- TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET
- NEW CONSTRUCTION** 000000.X
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**  
 051200.A STEEL HSS  
 051200.B 3/8" HOT-DIP GALVANIZED ALL-THREADED ANCHOR  
 051200.C 1/4" STEEL PLATE
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**  
 061000.A WOOD BLOCKING  
 062023.A 3/4" PLYWOOD  
 062023.I 1/2" SOLID SURFACE  
 062023.J UPHOLSTERED BENCH CUSHION  
 062023.T 1/2" PLYWOOD
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- DIVISION 08 OPENINGS**
- DIVISION 09 FINISHES**  
 092216.A 3 5/8" METAL STUD  
 092900.A 5/8" GYPSUM BOARD  
 092900.B SOUND ATTENUATION BLANKETS  
 096513.F ALUMINUM REVEAL WALL BASE
- DIVISION 10 SPECIALTIES**  
 102600.A STEPPED OUTSIDE CORNER GUARD
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**  
 265100.A INTERIOR LIGHT FIXTURE (RE: ELECT.)
- DIVISION 31 EARTHWORK**



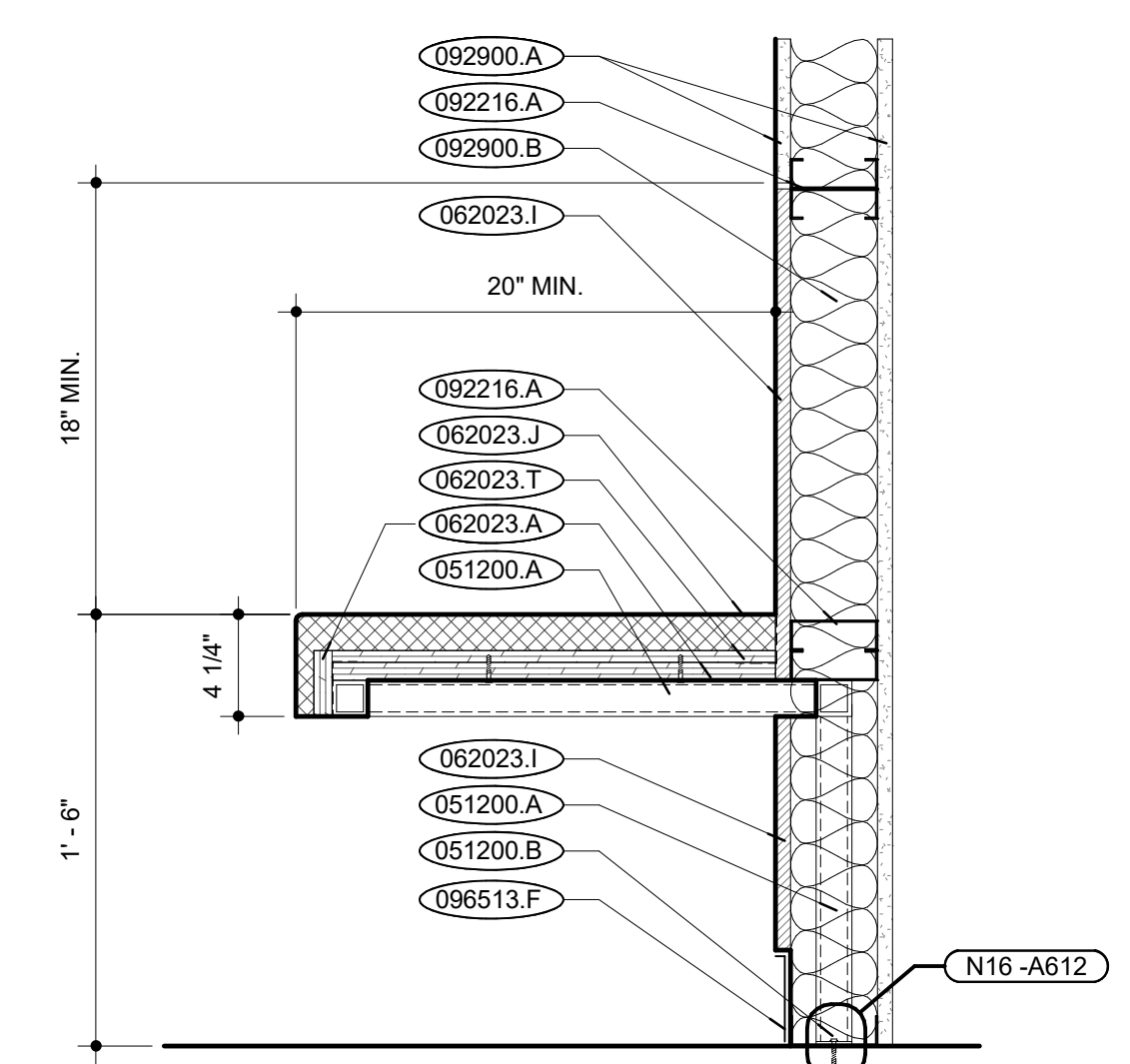
SUITE WALL BENCH ANGLE EDGE DTL. | **W5**  
 SCALE: 6" = 1'-0"



ACCENT WALL LIGHT DTL. | **N26**  
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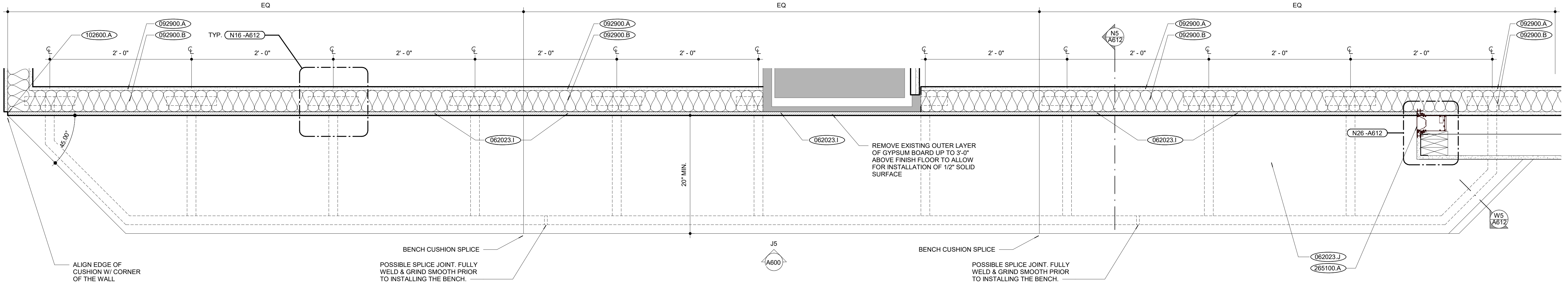


SUITE WALL BENCH ANCHOR DTL. | **N16**  
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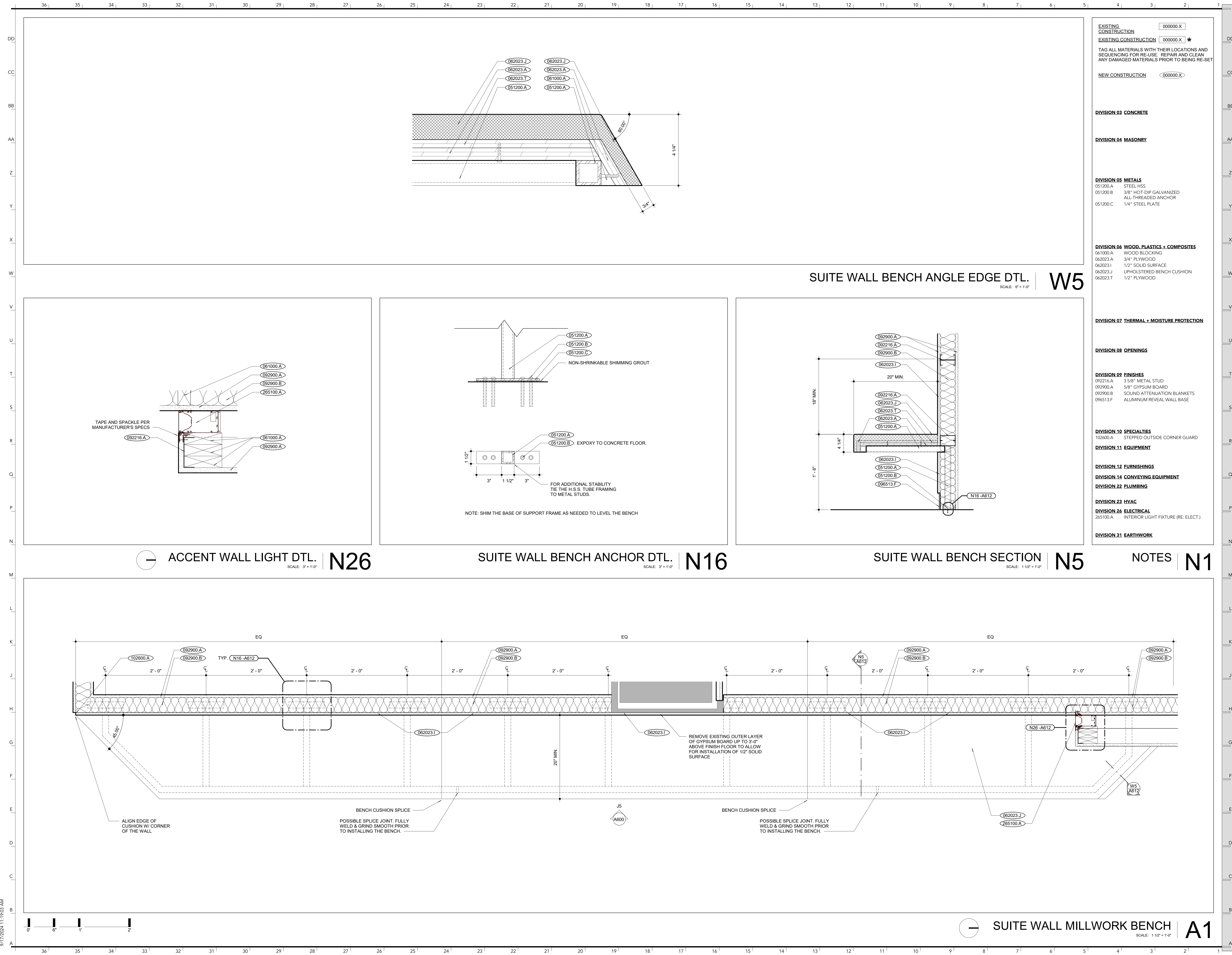


SUITE WALL BENCH SECTION | **N5**  
 SCALE: 1 1/2" = 1'-0"

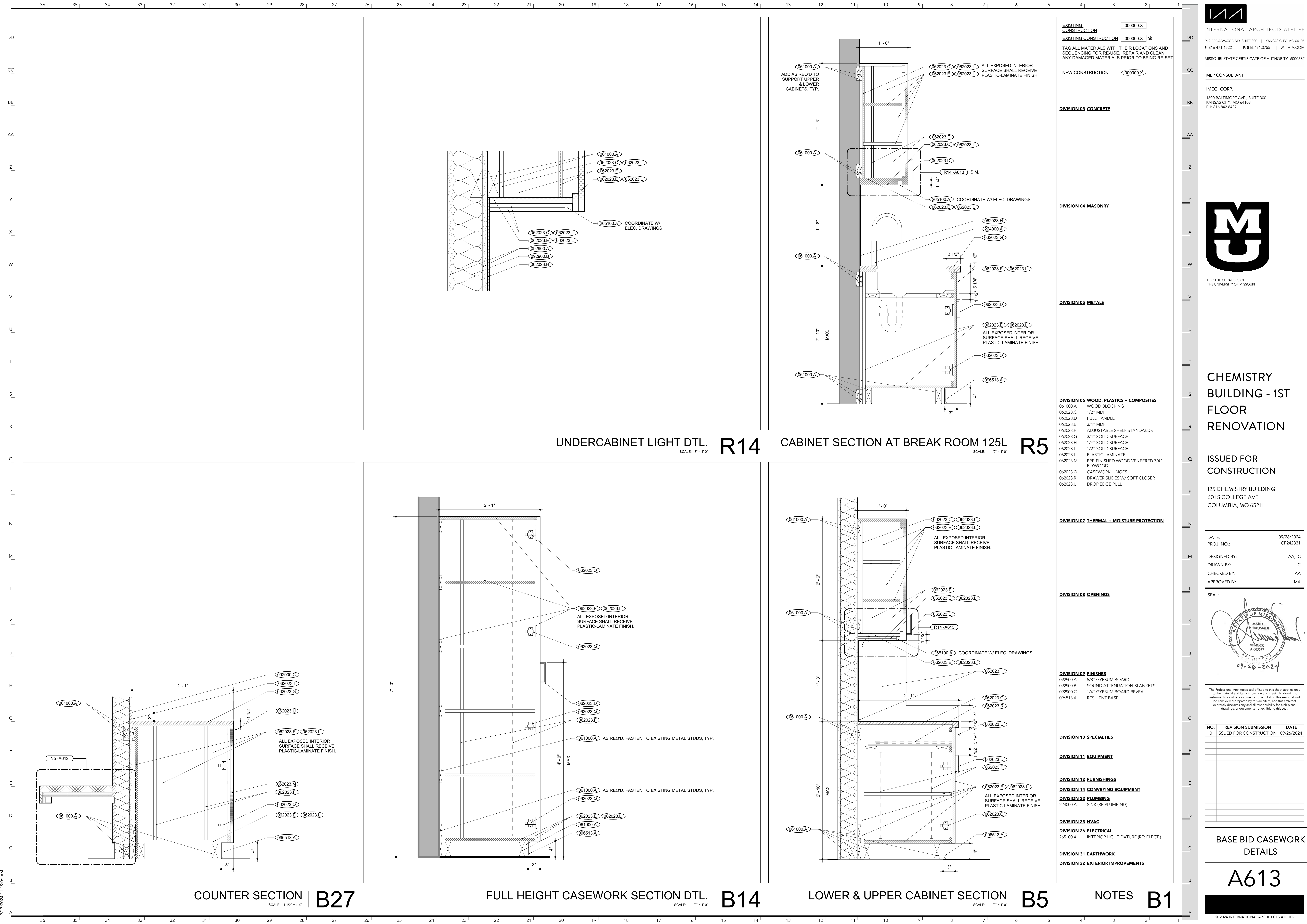
NOTES | **N1**



SUITE WALL MILLWORK BENCH | **A1**  
 SCALE: 1 1/2" = 1'-0"



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- EXISTING CONSTRUCTION** 000000.X \*
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- NEW CONSTRUCTION** 000000.X
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
- 061000.A WOOD BLOCKING
  - 062023.C 1/2" MDF
  - 062023.D PULL HANDLE
  - 062023.E 3/4" MDF
  - 062023.F ADJUSTABLE SHELF STANDARDS
  - 062023.G 3/4" SOLID SURFACE
  - 062023.H 1/4" SOLID SURFACE
  - 062023.I 1/2" SOLID SURFACE
  - 062023.L PLASTIC LAMINATE
  - 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
  - 062023.Q CASEWORK HINGES
  - 062023.R DRAWER SLIDES W/ SOFT CLOSER
  - 062023.U DROP EDGE PULL
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- DIVISION 08 OPENINGS**
- DIVISION 09 FINISHES**
- 092900.A 5/8" GYPSUM BOARD
  - 092900.B SOUND ATTENUATION BLANKETS
  - 092900.C 1/4" GYPSUM BOARD REVEAL
  - 096513.A RESILIENT BASE
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- 224000.A SINK (RE-PLUMBING)
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- 265100.A INTERIOR LIGHT FIXTURE (RE-ELECT.)
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**

**INTERNATIONAL ARCHITECTS ATELIER**  
 912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105  
 P: 816.471.6522 | F: 816.471.3755 | W: I-A-A.COM  
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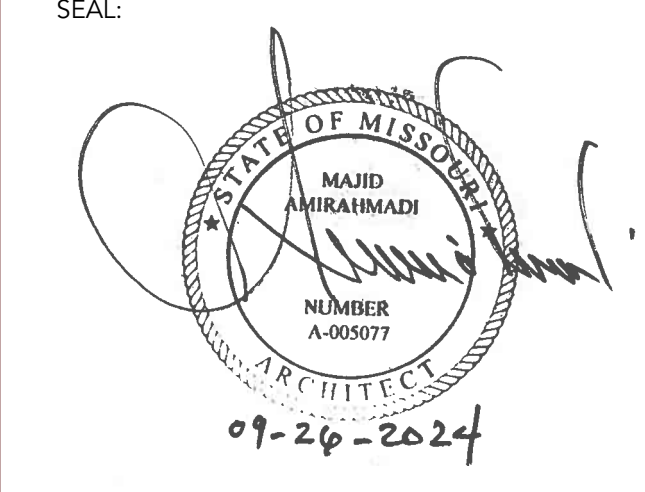
**MEP CONSULTANT**  
**IMEG, CORP.**  
 1600 BALTIMORE AVE., SUITE 300  
 KANSAS CITY, MO 64108  
 PH: 816.842.8437



**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**  
 125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: AA, IC  
 DRAWN BY: IC  
 CHECKED BY: AA  
 APPROVED BY: MA



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NO.	REVISION	SUBMISSION	DATE
0	ISSUED FOR CONSTRUCTION		09/26/2024

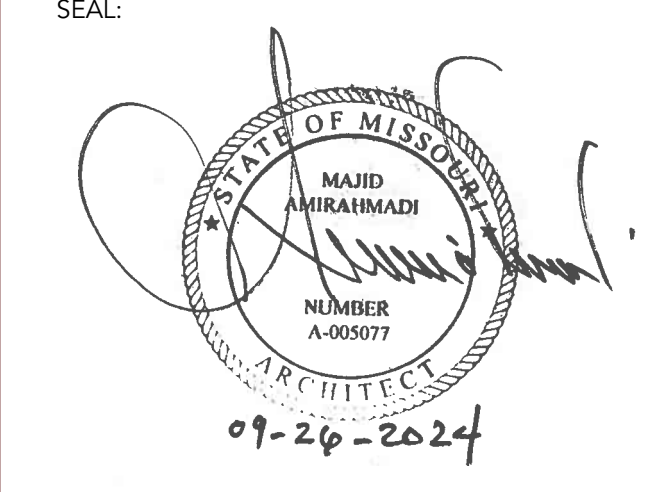
**BASE BID CASEWORK DETAILS**

**A613**

DD | CC | BB | AA | Z | Y | X | W | V | U | T | S | R | Q | P | N | M | L | K | J | I | H | G | F | E | D | C | B | A

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**  
**ISSUED FOR CONSTRUCTION**  
 125 CHEMISTRY BUILDING  
 601 S COLLEGE AVE  
 COLUMBIA, MO 65211

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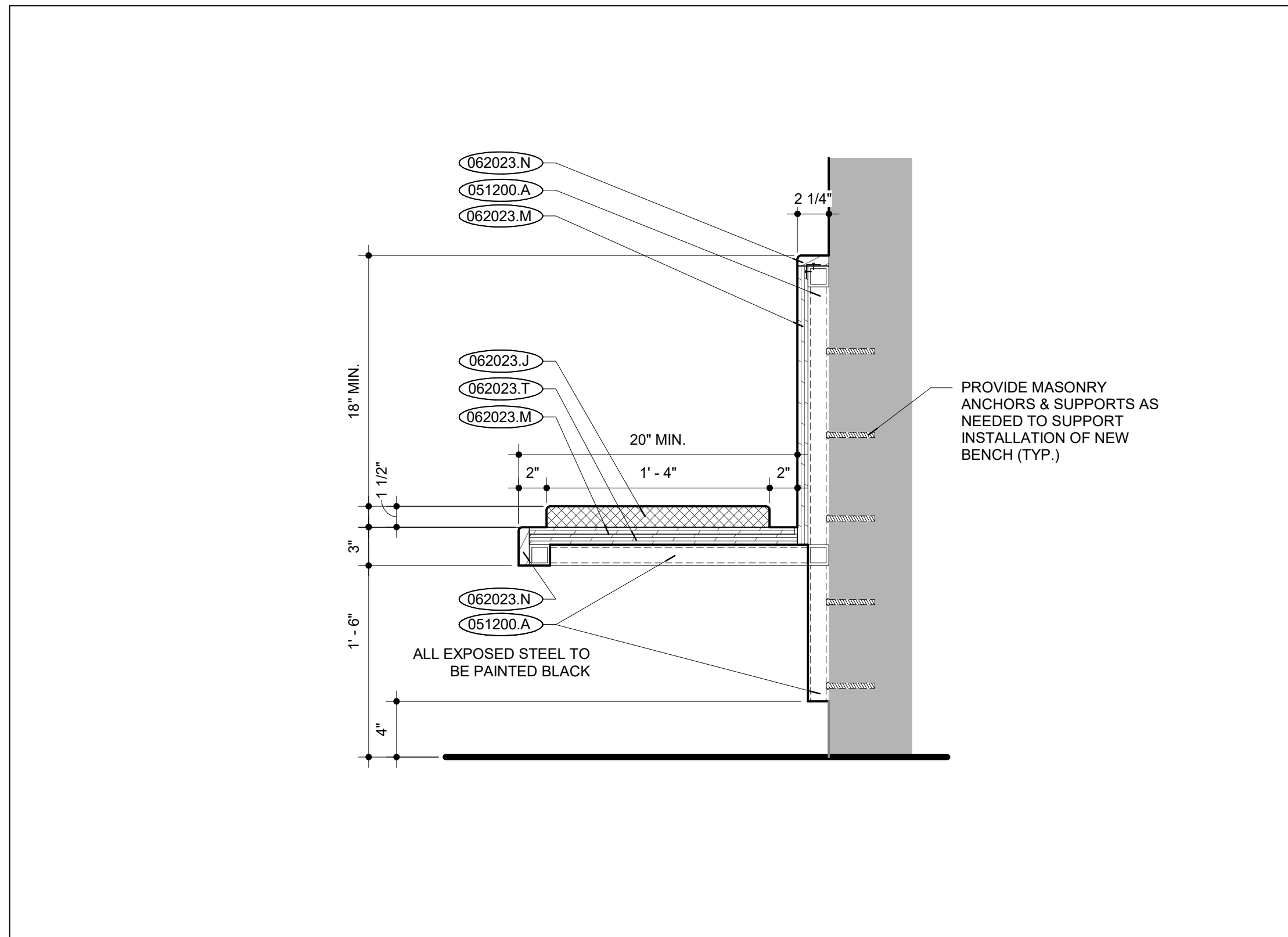
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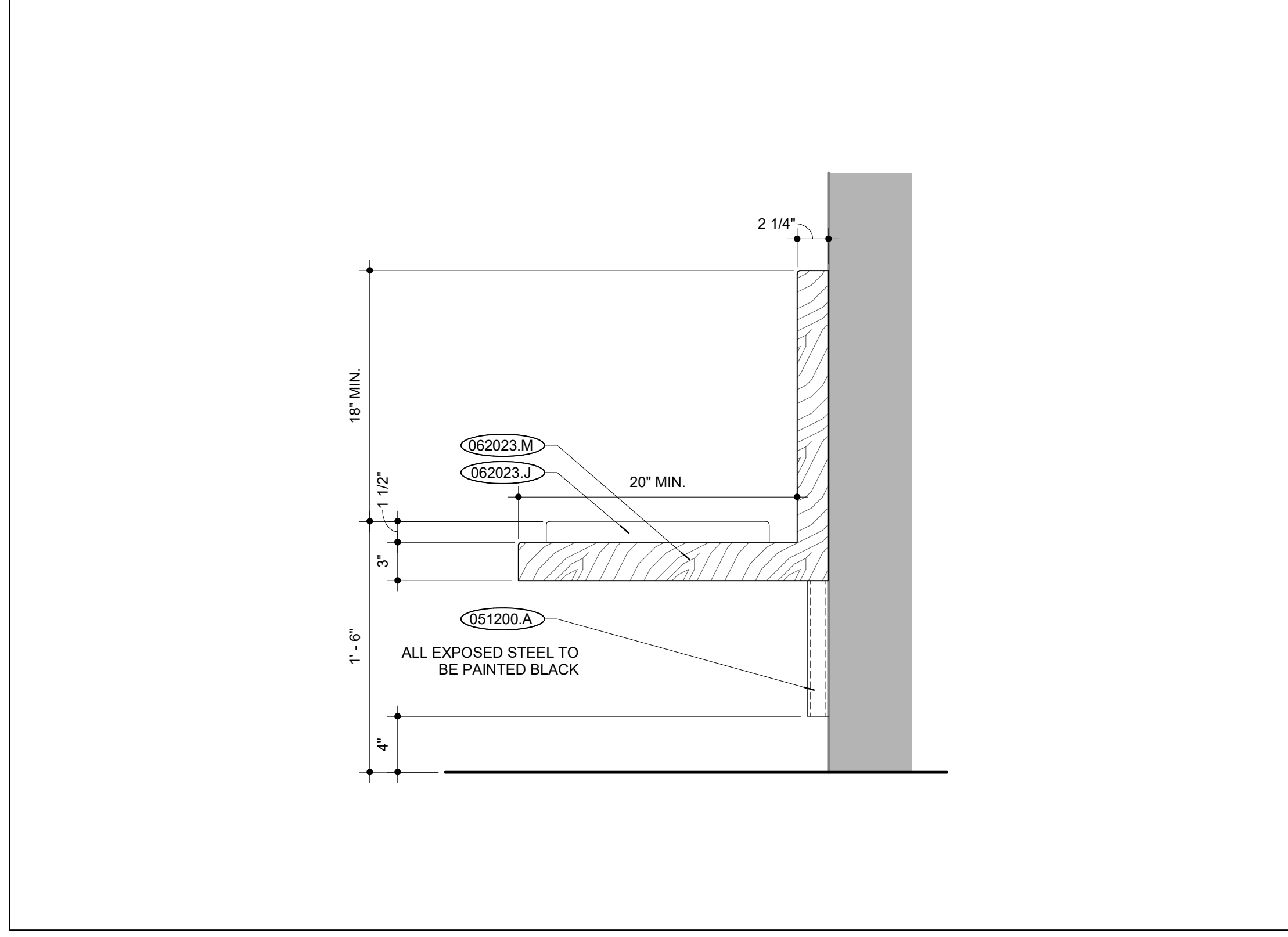
**ALTERNATE #3  
 CASEWORK DETAILS**

**A614**

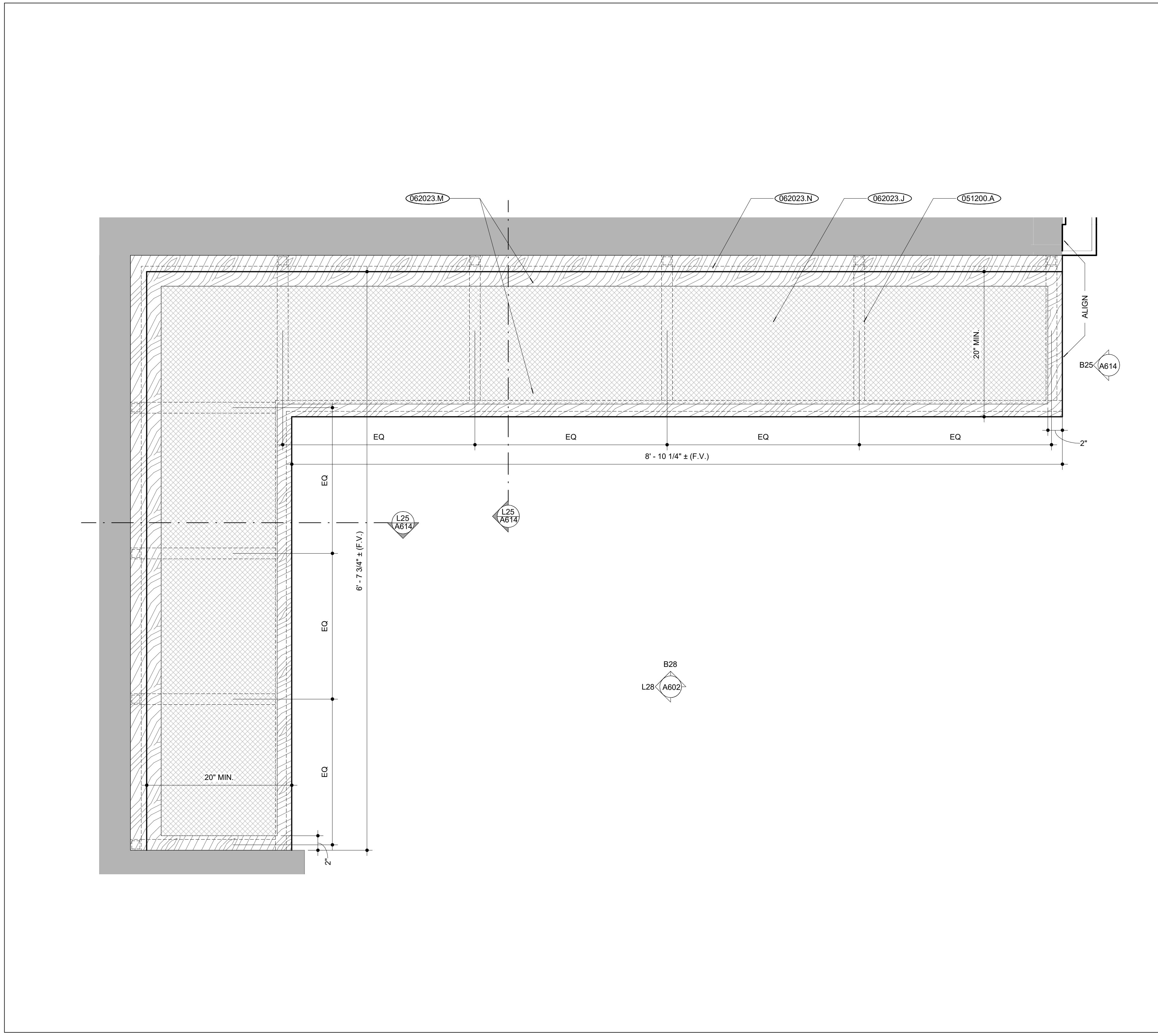
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  - EXISTING CONSTRUCTION** (000000.X) \*
  - TAG ALL MATERIALS WITH THEIR LOCATIONS AND SEQUENCING FOR RE-USE. REPAIR AND CLEAN ANY DAMAGED MATERIALS PRIOR TO BEING RE-SET
- NEW CONSTRUCTION** (000000.X)
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
  - 051200.A STEEL HSS
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
  - 062023.J UPHOLSTERED BENCH CUSHION
  - 062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD
  - 062023.N SOLID HARDWOOD TRIM (STAINED TO MATCH)
  - 062023.T 1/2" PLYWOOD
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- DIVISION 08 OPENINGS**
- DIVISION 09 FINISHES**
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**



**COVE BENCH TYP. SECTION | L25**  
 SCALE: 1/12" = 1'-0"



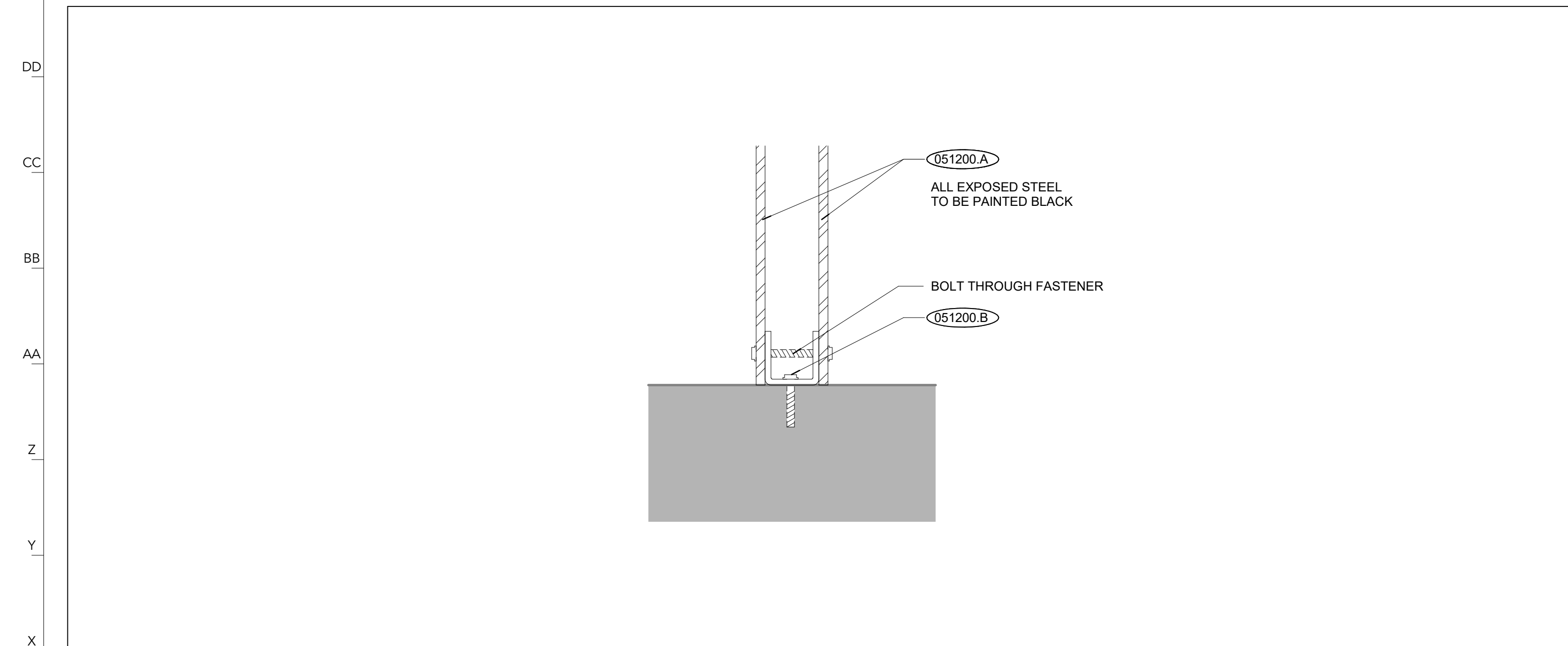
**COVE BENCH END ELEVATION | B25**  
 SCALE: 1/12" = 1'-0"



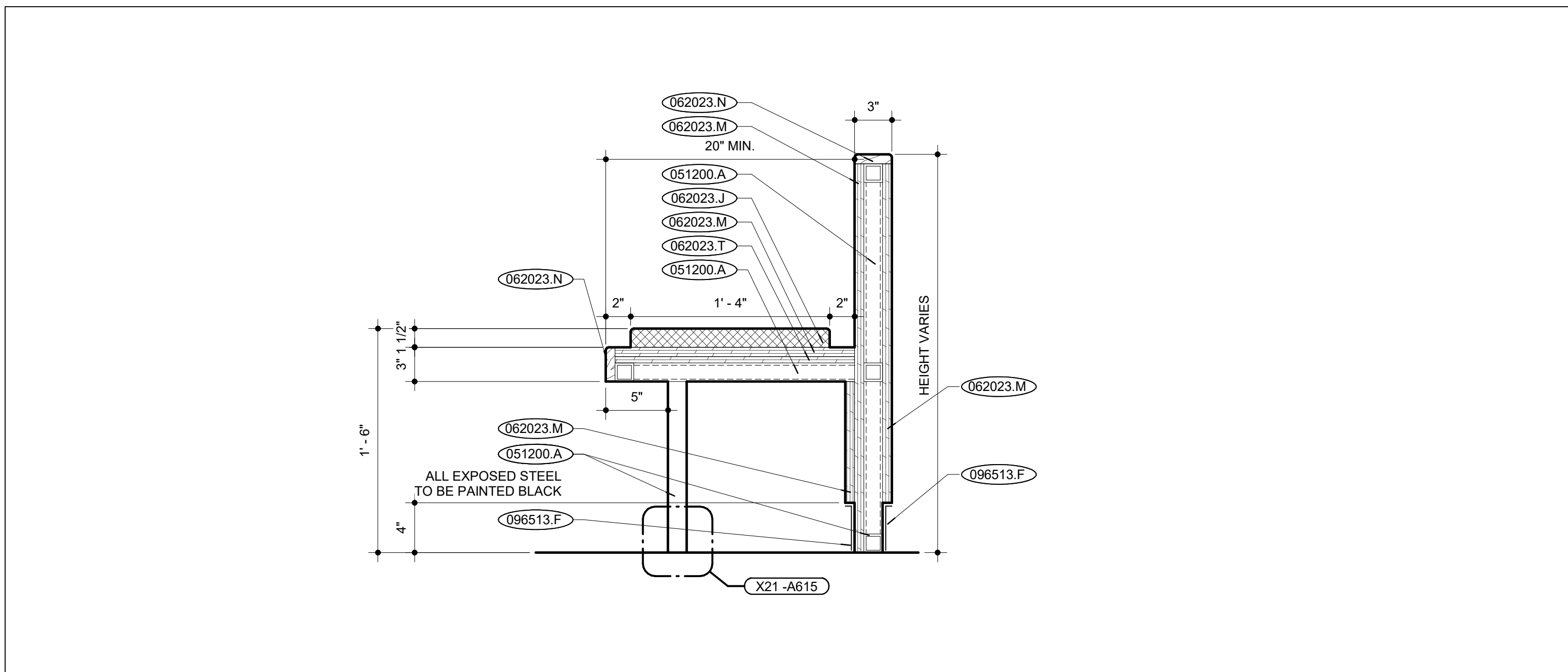
**COVE BENCH DETAIL PLAN | B5**  
 SCALE: 1/12" = 1'-0"

**NOTES | B1**

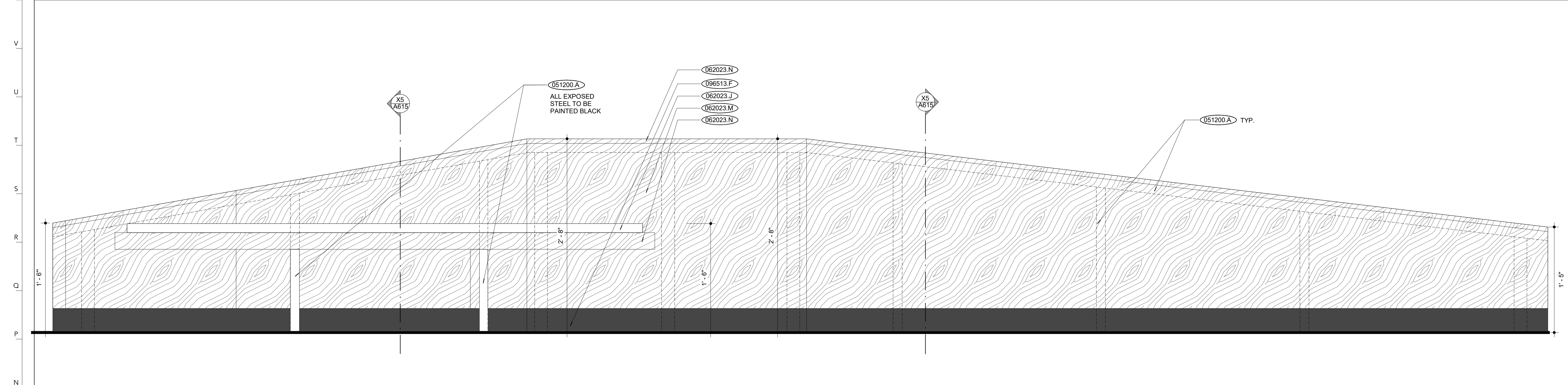




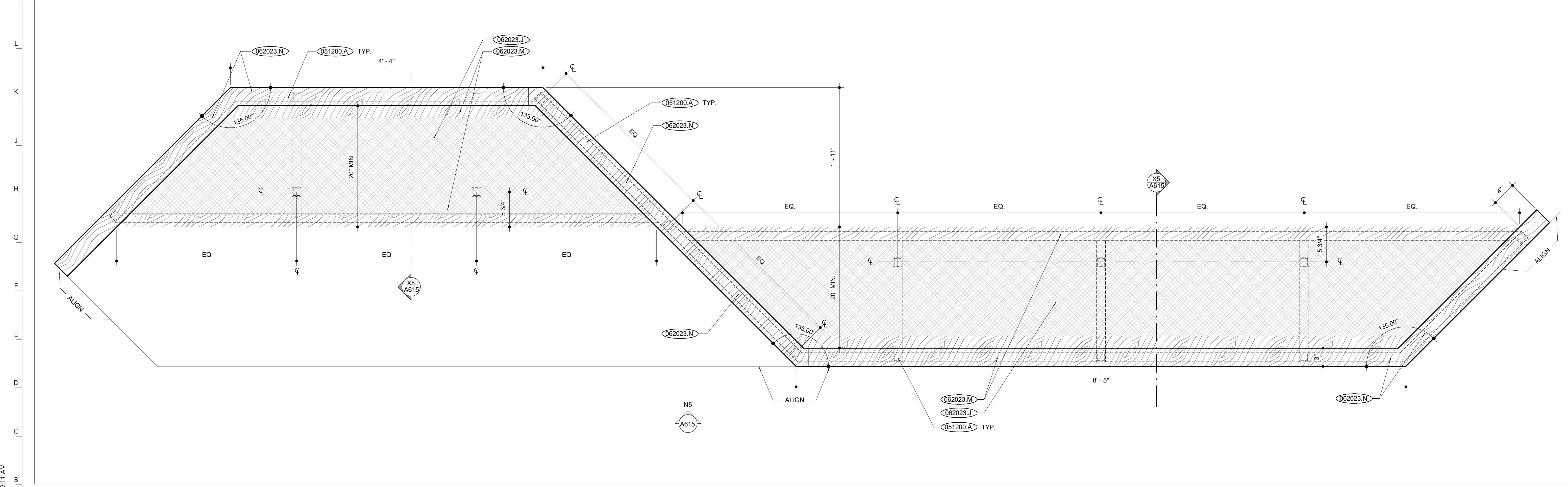
TYP. BENCH SUPPORT ANCHOR DTL. X21  
SCALE: 6" = 1'-0"



FREESTANDING MILLWORK BENCH TYP. SECTION X5  
SCALE: 1 1/2" = 1'-0"



FREESTANDING MILLWORK BENCH ELEVATION N5  
SCALE: 1 1/2" = 1'-0"



FREESTANDING MILLWORK BENCH DETAIL PLAN B5  
SCALE: 1 1/2" = 1'-0"

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EXISTING CONSTRUCTION 000000.X \*  
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NEW CONSTRUCTION 000000.X

DIVISION 03 CONCRETE

DIVISION 04 MASONRY

DIVISION 05 METALS  
051200.A STEEL HSS  
051200.B 3/8" HOT DIP GALVANIZED ALL-THREADED ANCHOR

DIVISION 06 WOOD, PLASTICS + COMPOSITES  
062023.J UPHOLSTERED BENCH CUSHION  
062023.M PRE-FINISHED WOOD VENEERED 3/4" PLYWOOD  
062023.N SOLID HARDWOOD TRIM (STAINED TO MATCH)  
062023.T 1/2" PLYWOOD

DIVISION 07 THERMAL + MOISTURE PROTECTION

DIVISION 08 OPENINGS

DIVISION 09 FINISHES  
096513.F ALUMINUM REVEAL WALL BASE

DIVISION 10 SPECIALTIES  
DIVISION 11 EQUIPMENT  
DIVISION 12 FURNISHINGS  
DIVISION 14 CONVEYING EQUIPMENT  
DIVISION 22 PLUMBING

DIVISION 23 HVAC  
DIVISION 26 ELECTRICAL

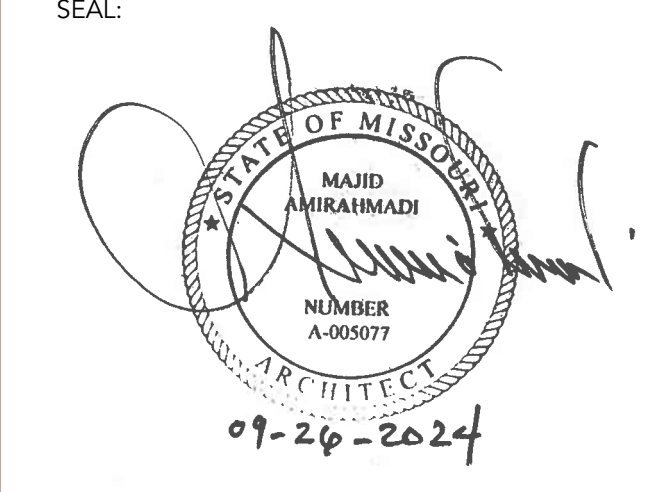
DIVISION 31 EARTHWORK  
DIVISION 32 EXTERIOR IMPROVEMENTS



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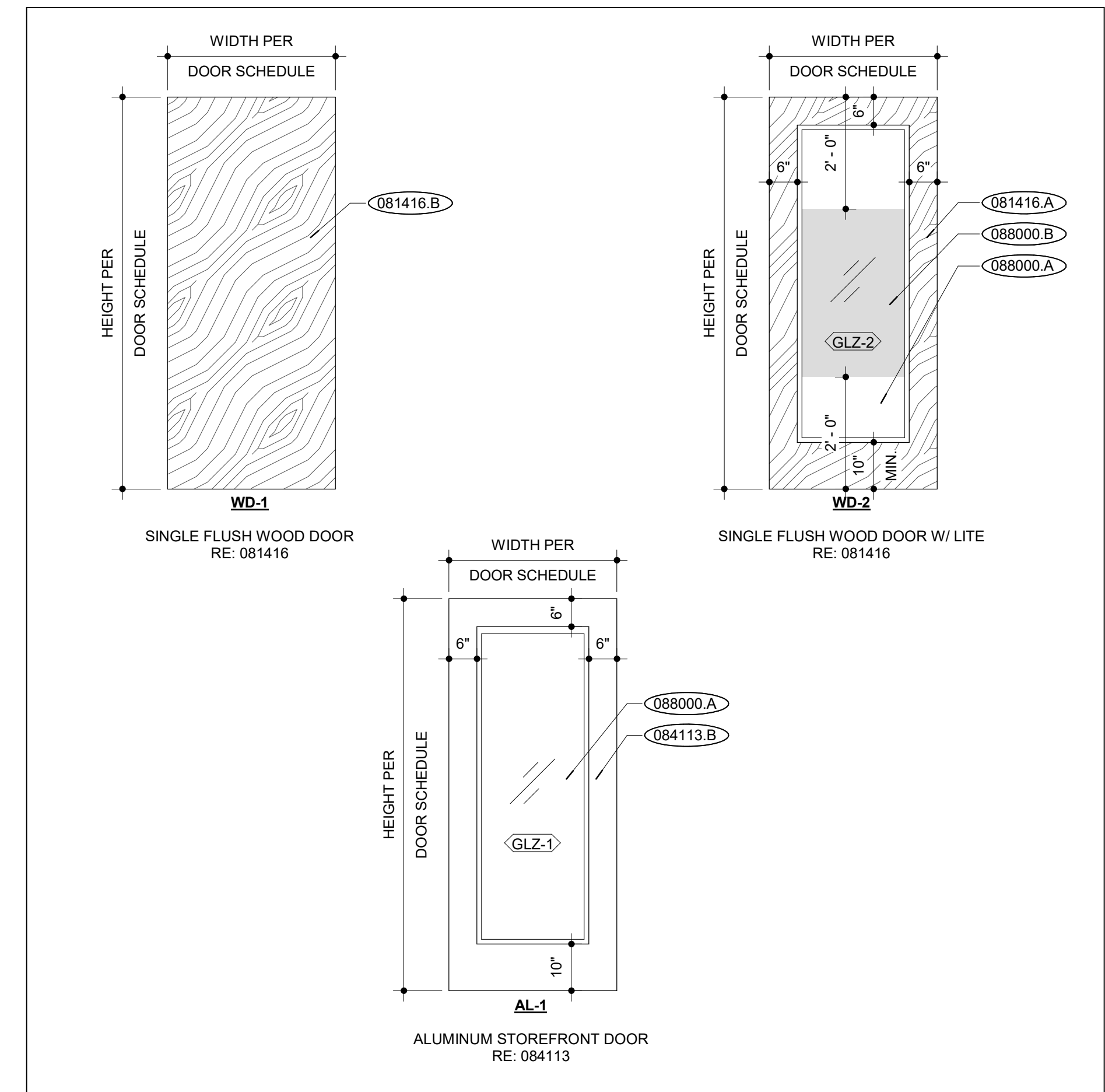
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ALTERNATE #3 CASEWORK DETAILS

A615

DOOR SCHEDULE															
DOOR	SIZE			# LEAVES	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	GLAZING TYPE	FIRE RATING	HARDWARE	DETAIL DRAWINGS			COMMENTS
	HEIGHT	THICKNESS	WIDTH									HEAD	JAMB	THRESHOLD	
125	7'-8 1/2" ±V.	0'-1 3/4"	3'-0"	2	AL-1	-	AL-1	-	GLZ-1	-	5	N21 / A700	N15 / A700	X24 / A603, SIM.	
125C	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	-	
125D	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125E	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125F	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	2	N32 / A700	N25 / A700	X24 / A603	
125G	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	2	N32 / A700	N25 / A700	X24 / A603	
125H	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	2	N32 / A700	N25 / A700	X24 / A603	
125J	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	2	N32 / A700	N25 / A700	X24 / A603	
125K	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	2	N32 / A700	N25 / A700	X24 / A603	
125L	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	3	N32 / A700	N25 / A700	-	
125O	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125P	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125Q	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	1	N21 / A700	N5 / A700	X24 / A603, SIM.	
125R				1	EXIST.	ST-1	EXIST.	PT-1	-	-	6	-	-	X24 / A603, SIM.	3
125S	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125T	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-2	-	GLZ-2	-	2	N21 / A700	N5 / A700	X24 / A603	
125U	7'-0"	0'-1 3/4"	3'-0"	1	WD-2	ST-1	AL-3	-	GLZ-2	-	1	N21 / A700	N5 / A700	X24 / A603	
125V				1	EXIST.	ST-1	EXIST.	PT-1	-	-	6	-	-	X14 / A603	3
125W				1	EXIST.	ST-1	EXIST.	PT-1	-	-	6	-	-	-	3
125X				1	EXIST.	ST-1	EXIST.	PT-1	-	-	6	-	-	-	3
125Z	7'-0"	0'-1 3/4"	3'-0"	1	WD-1	ST-1	HM-1	PT-1	-	-	4	N32 / A700	N25 / A700	-	
139J				1	EXIST.	ST-1	EXIST.	PT-2	-	-	6	-	-	Q5 / A603	1, 3
A101				2	EXIST.	PT-1	EXIST.	PT-1	-	-	6	-	-	X5 / A603	1, 3
A101-B				1	EXIST.	PT-1	EXIST.	PT-1	-	-	6	-	-	Q5 / A603	2, 3
AC100A				2	EXIST.	-	EXIST.	-	-	-	6	-	-	H5 / A603	1, 3
AC100B				2	EXIST.	-	EXIST.	-	-	-	6	-	-	X14 / A603, SIM.	2, 3
AS100C				1	EXIST.	ST-1	EXIST.	PT-1	-	-	6	-	-	X5 / A603, SIM.	1, 3
AV100B				2	EXIST.	-	EXIST.	-	-	-	6	-	-	-	1, 3
C100C				2	EXIST.	ST-1	EXIST.	PT-1	-	-	7	-	-	X14 / A600	1, 3

- DOOR MATERIAL**
- AL-1 ALUMINUM STOREFRONT DOOR, RE: 084113
  - WD-1 SOLID-CORE WOOD DOOR, RE: 081416
  - WD-2 SOLID-CORE WOOD DOOR WITH LITE & PRIVACY FILM, RE: 081416
- GLAZING TYPES**
- GLZ-1 1/4" FULLY TEMPERED, RE: 088000
  - GLZ-2 1/4" FULLY TEMPERED WITH APPLIED FILM, RE: 088000
- FRAME MATERIAL**
- AL-1 ALUMINUM FRAME WITH TWO SIDELITES, RE: 084113
  - AL-2 ALUMINUM FRAME WITH SIDELITE, RE: 084113
  - AL-3 ALUMINUM FRAME WITH SIDELITES, RE: 084113
  - HM-1 HOLLOW METAL FRAME, RE: 081113
- DOOR / FRAME FINISH**
- PT-1 PAINT, BENJAMIN MOORE STEAM AF-15, RE: 099123
  - ST-1 CLEAR WOOD STAIN, RE: 064023
- GENERAL DOOR COMMENTS**
- ADDITIVE ALTERNATE #1
  - ADDITIVE ALTERNATE #2
  - ALL SIDES OF DOOR AND FRAME TO BE PAINTED, U.N.O.

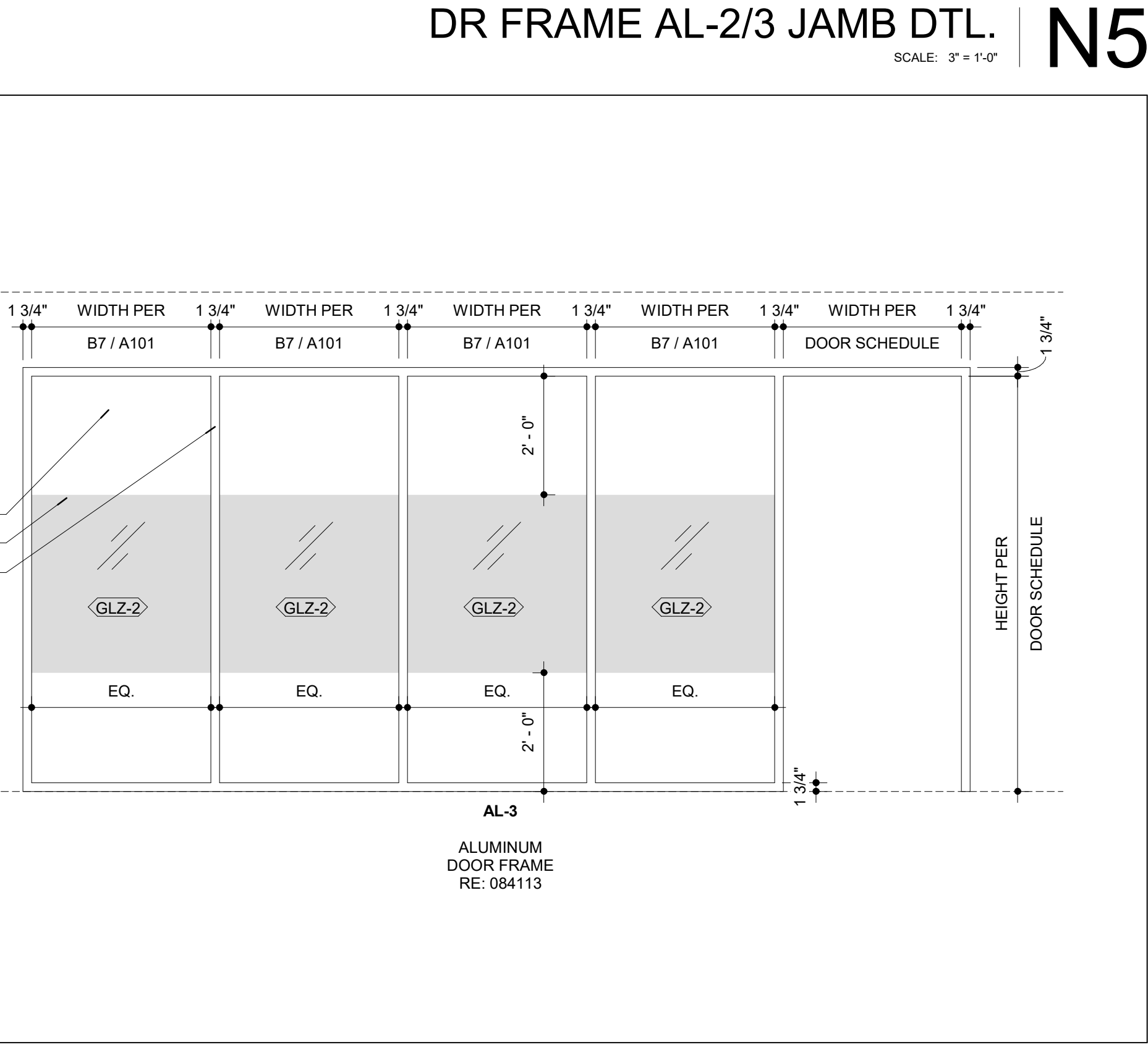
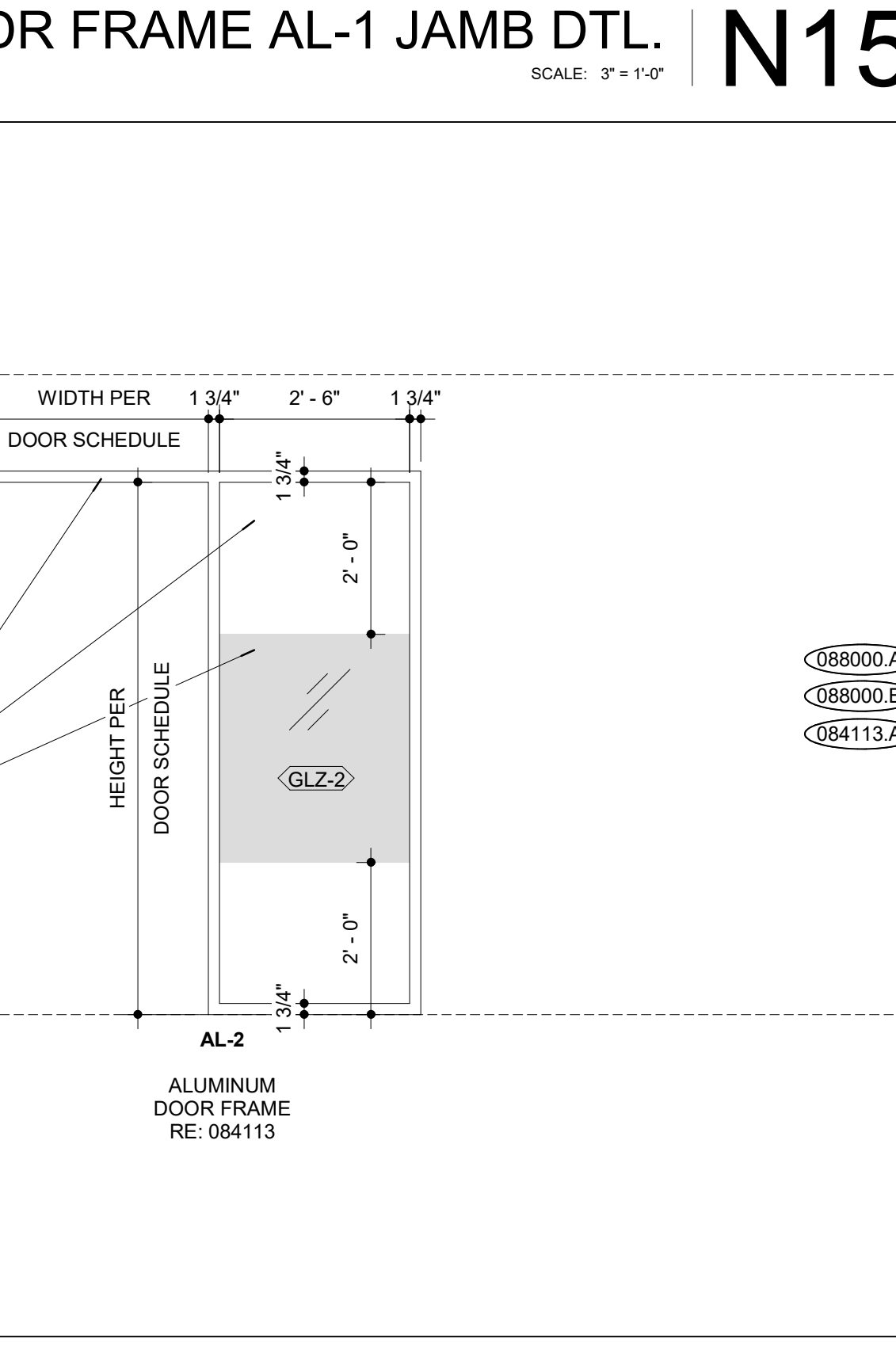
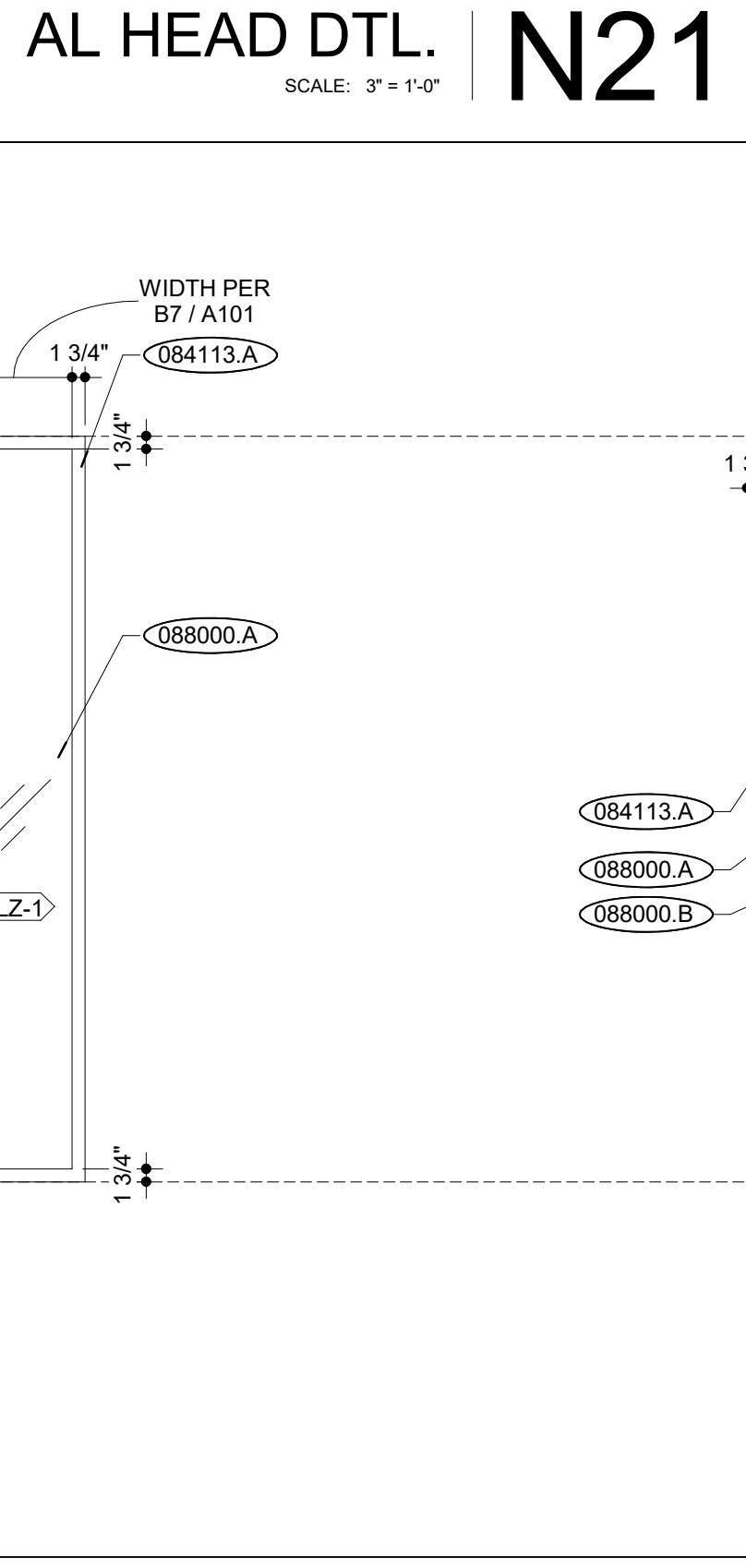
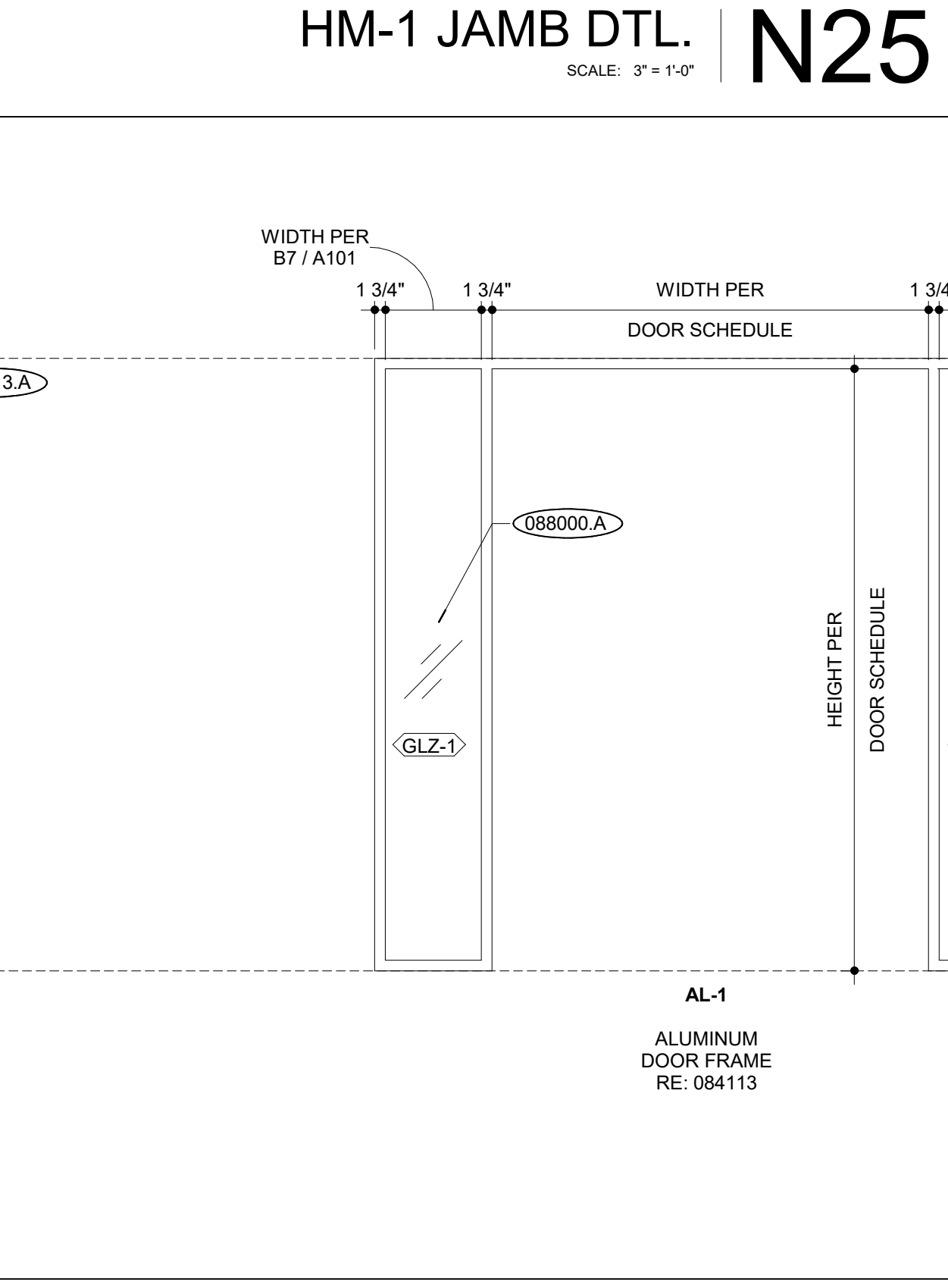
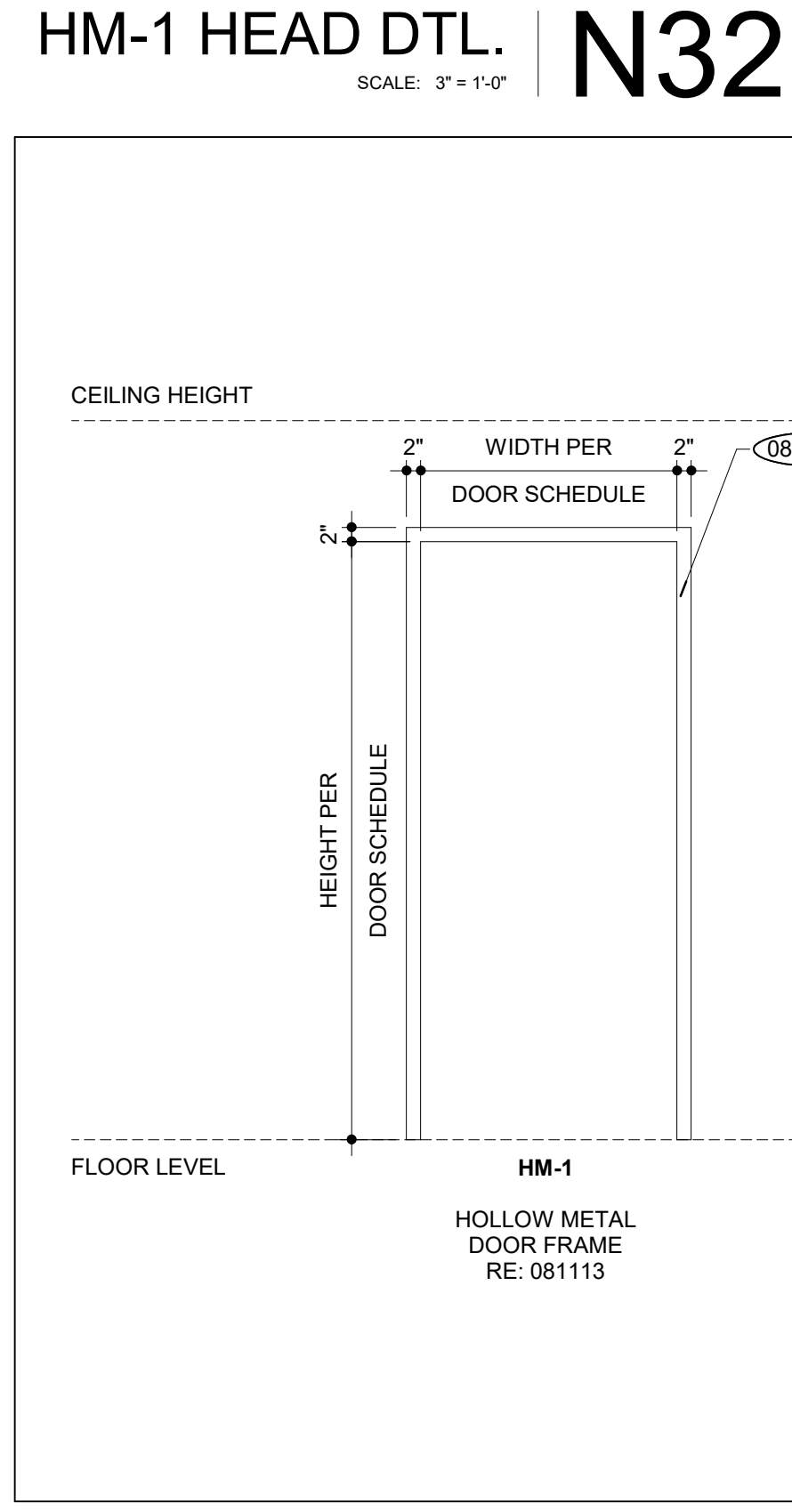
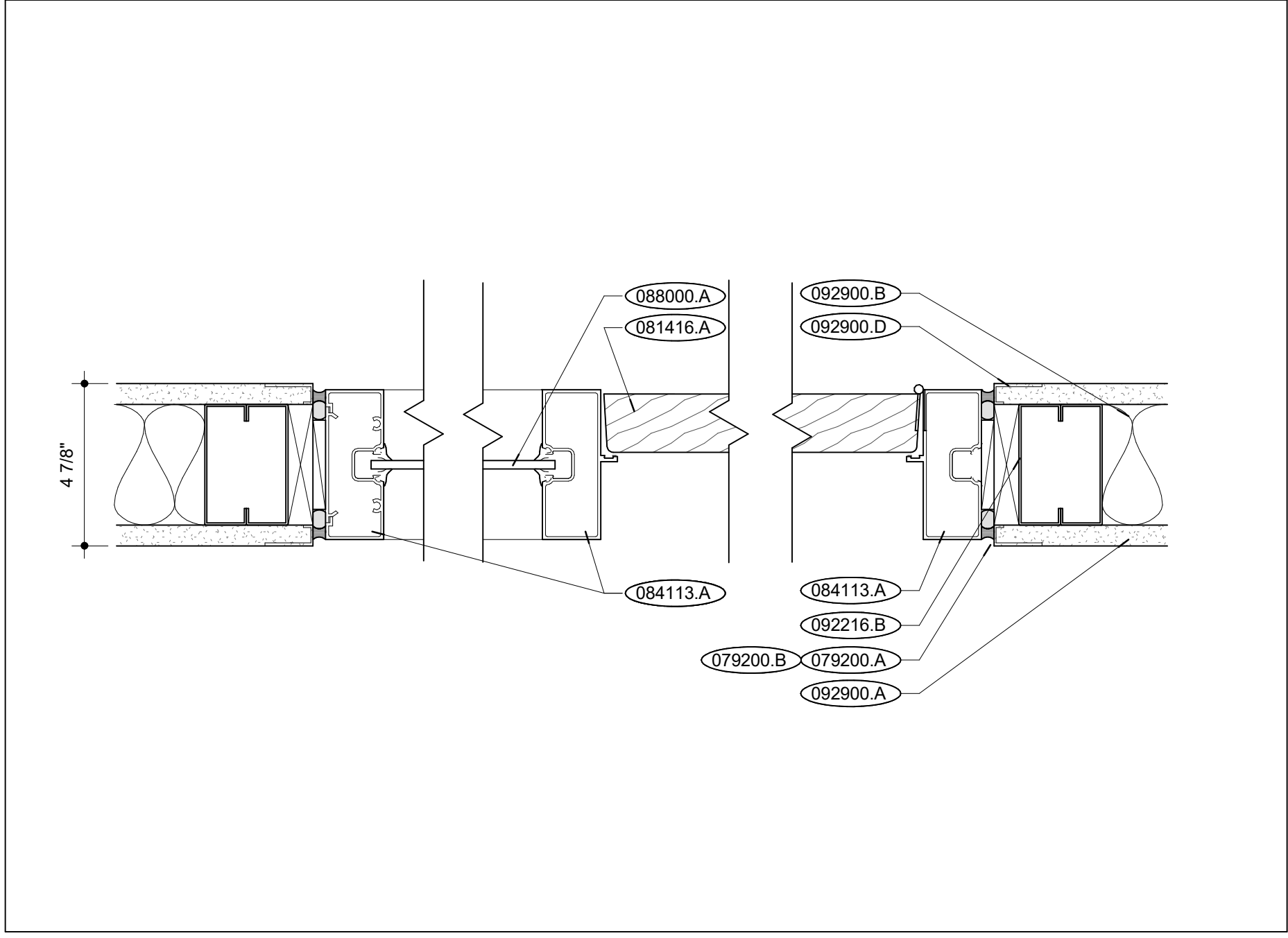
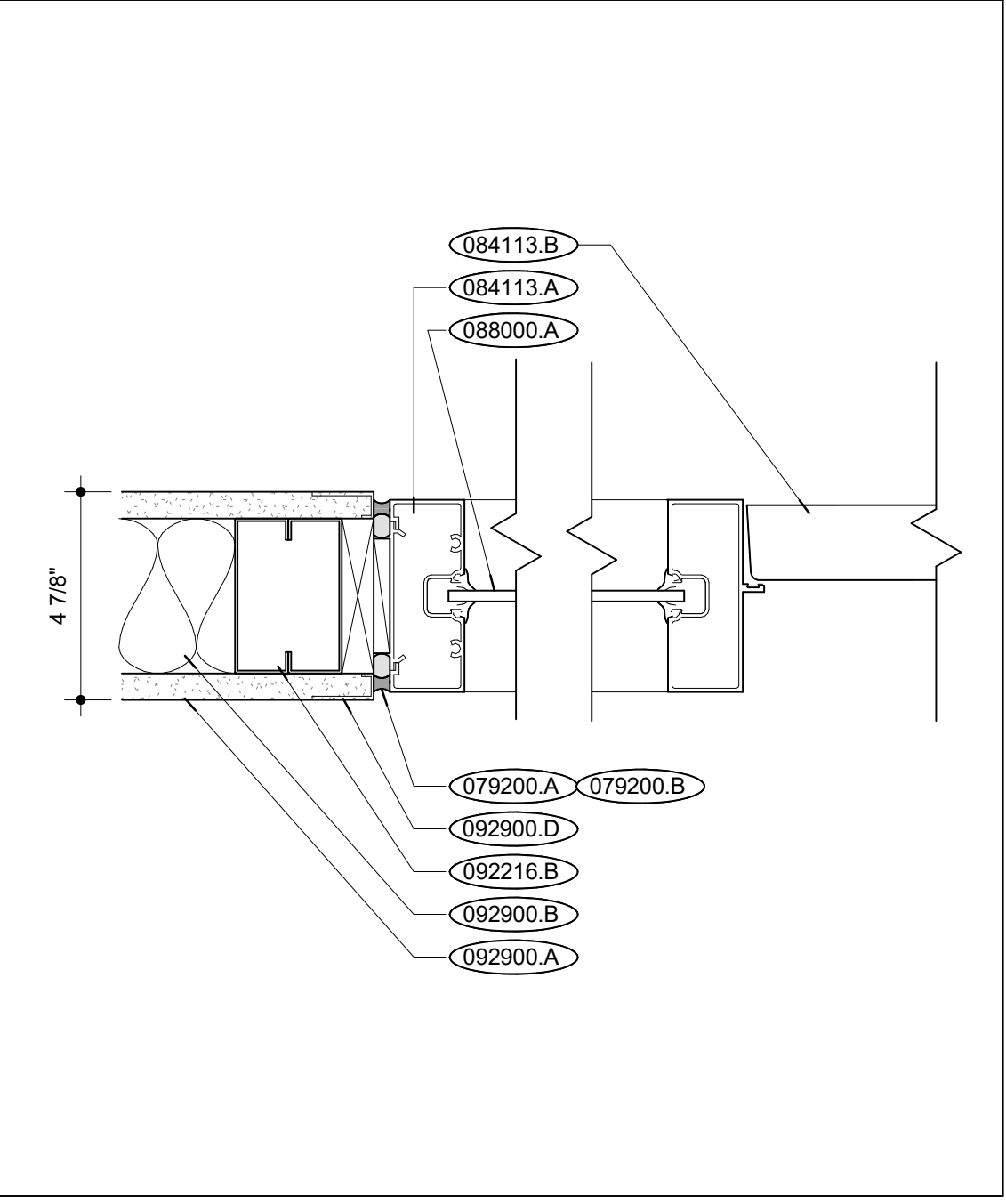
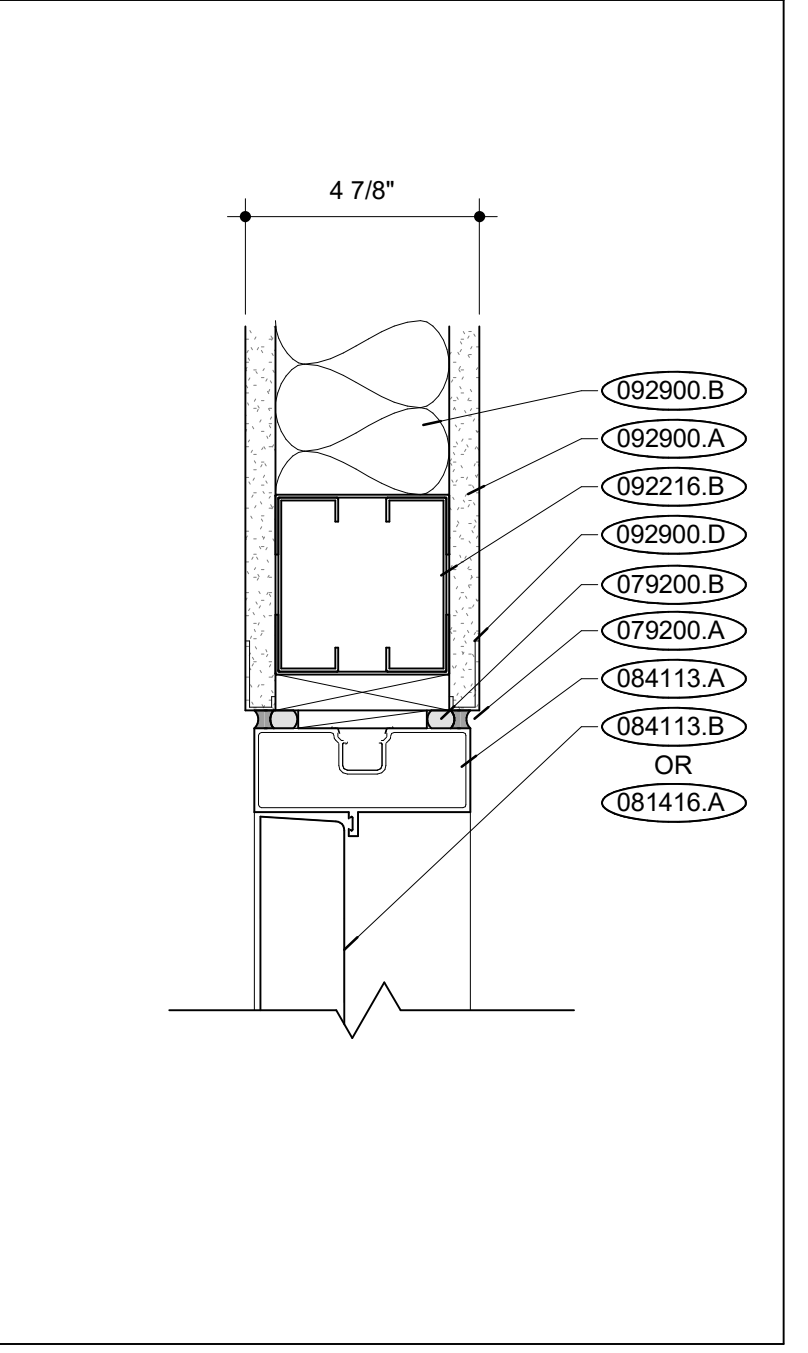
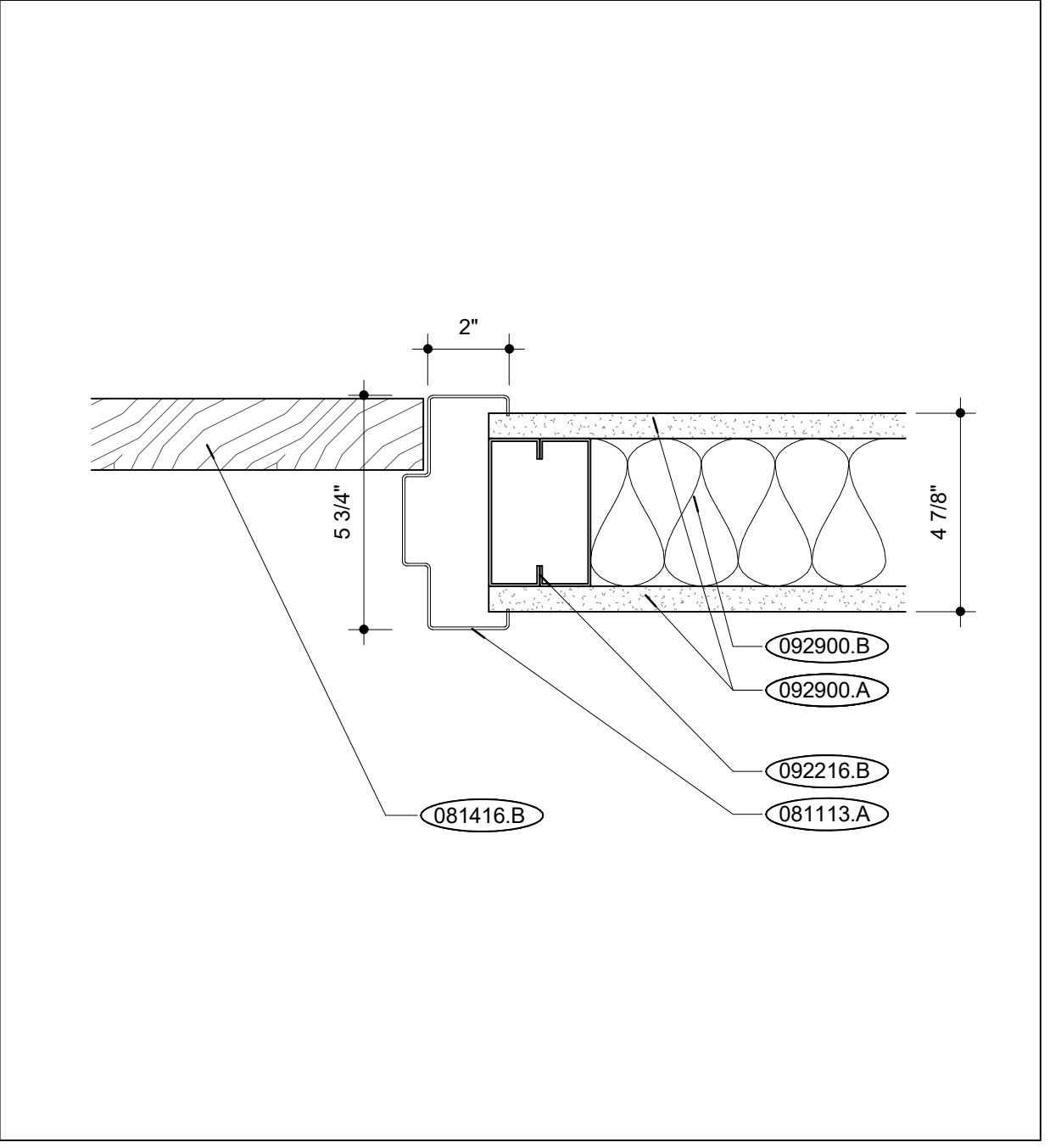
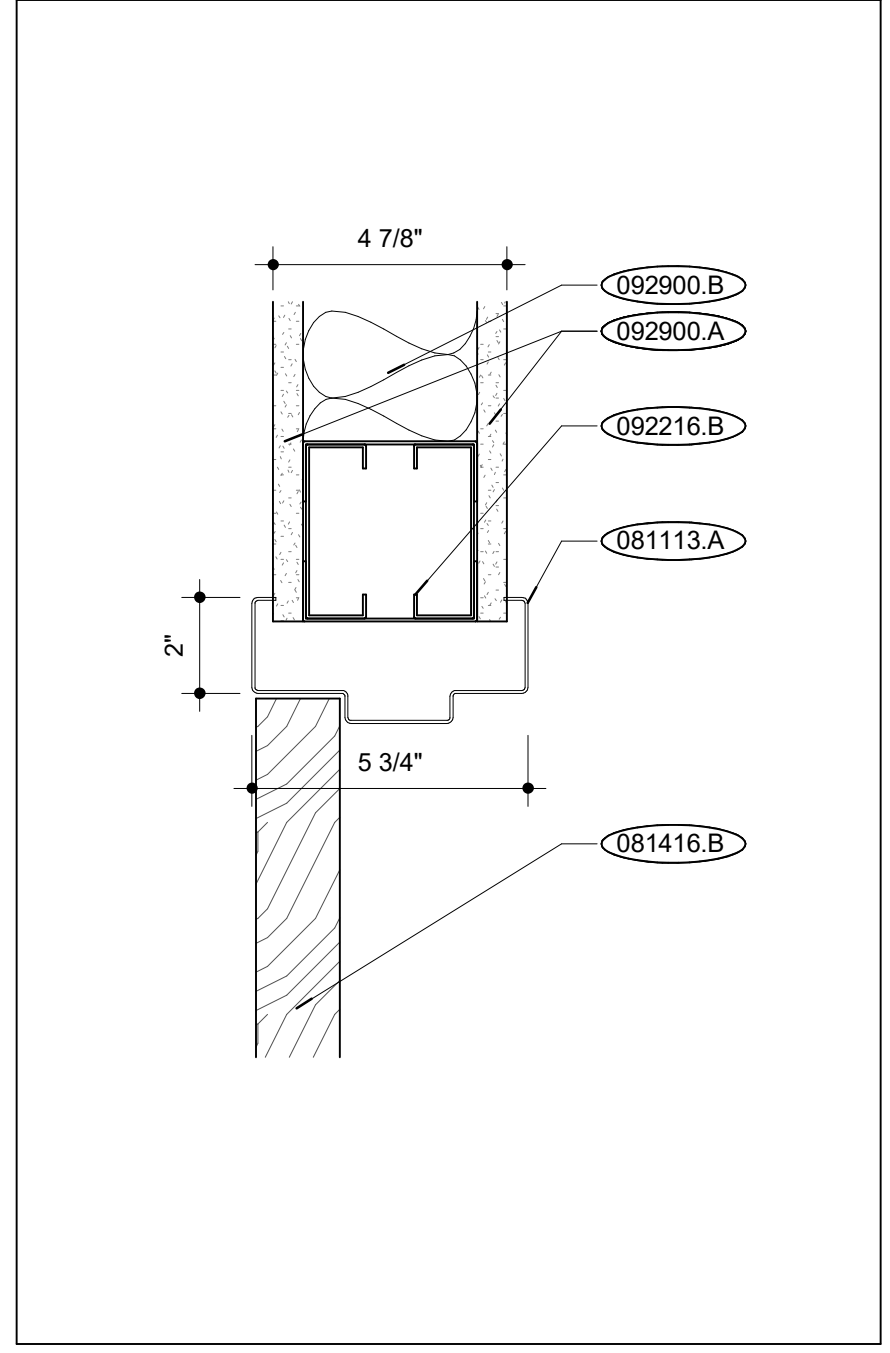


- EXISTING CONSTRUCTION 000000.X
- EXISTING CONSTRUCTION 000000.X \*
- NEW CONSTRUCTION 000000.X
- DIVISION 03 CONCRETE**
- DIVISION 04 MASONRY**
- DIVISION 05 METALS**
- DIVISION 06 WOOD, PLASTICS + COMPOSITES**
- DIVISION 07 THERMAL + MOISTURE PROTECTION**
- 079200.A JOINT SEALANT
  - 079200.B BACKER ROD
- DIVISION 08 OPENINGS**
- 081113.A HOLLOW METAL FRAME
  - 081416.A WOOD DOOR WITH GLASS LITE
  - 081416.B WOOD DOOR
  - 084113.A ALUMINUM STOREFRONT
  - 084113.B ALUMINUM DOOR
  - 088000.A GLAZING
  - 088000.B PRIVACY WINDOW FILM
- DIVISION 09 FINISHES**
- 092216.B 7/8" FLURRING HAT CHANNEL
  - 092900.A 5/8" GYPSUM BOARD
  - 092900.B SOUND ATTENUATION BLANKETS
  - 092900.D 5/8" GYPSUM BOARD J MOLDING
- DIVISION 10 SPECIALTIES**
- DIVISION 11 EQUIPMENT**
- DIVISION 12 FURNISHINGS**
- DIVISION 14 CONVEYING EQUIPMENT**
- DIVISION 22 PLUMBING**
- DIVISION 23 HVAC**
- DIVISION 26 ELECTRICAL**
- DIVISION 31 EARTHWORK**
- DIVISION 32 EXTERIOR IMPROVEMENTS**

DOOR SCHEDULE | **W15**

DOOR TYPES | **W5**

SCALE: 1/2" = 1'-0"



FRAME TYPES | **B5**

NOTES | **B1**

SCALE: 1/2" = 1'-0"

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

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125 CHEMISTRY BUILDING  
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DESIGNED BY: AA, IC  
 DRAWN BY: IC  
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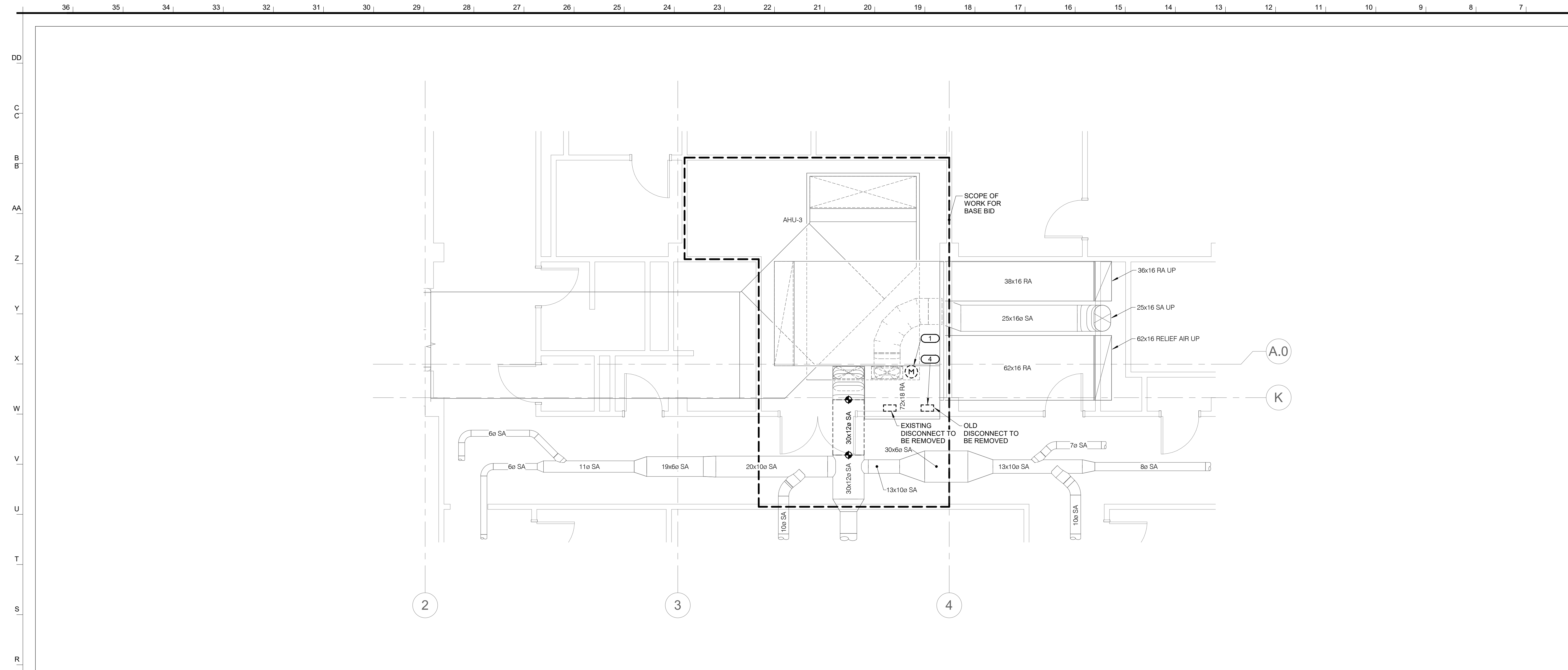
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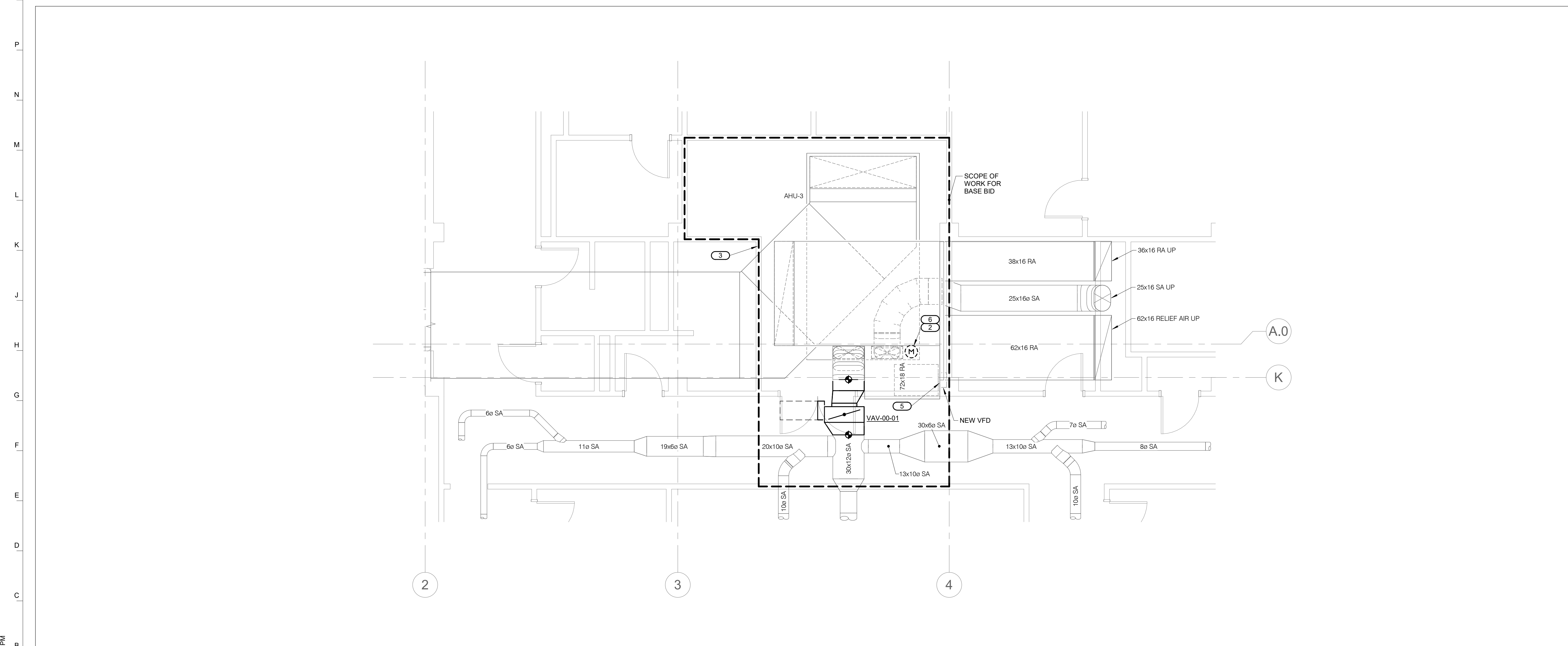
**DOOR SCHEDULE & TYPES**

**A700**





1 BASEMENT DEMOLITION PLAN - VENTILATION AND ELECTRICAL | Q7  
SCALE: 1/4" = 1'-0"



1 BASEMENT PLAN - VENTILATION AND ELECTRICAL | B7  
SCALE: 1/4" = 1'-0"

**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWNS.
- COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.
- WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

**KEYNOTES:**

- DISCONNECT AND REMOVE EXISTING INDUCTION MOTOR AND ASSOCIATED SUPPORTS AND BELT DRIVE.
- PROVIDE NEW PREMIUM EFFICIENT MOTOR, 20HP, 1800 RPM, FOR INVERTER DUTY.
- PROVIDE CONDUIT FOR ALL NEW WIRING ROUTED IN THE EXISTING MECHANICAL ROOM. THIS APPLIES TO LOW VOLTAGE, FAN STATUS, SPEED CONTROL, DUCT DIFFERENTIAL PRESSURE, GROUND FL DAMPER OUTPUT, AND GROUND FL AIRFLOW.
- EXISTING CIRCUIT AND ASSOCIATED WIRE AND CONDUIT SERVING DISCONNECT SWITCH TO BE REMOVED SHALL REMAIN FOR REUSE TO REFEED NEW VFD. REFER TO NEW WORK.
- MODIFY AND ADAPT EXISTING WIRE AND CONDUIT TO NEW VFD. PROVIDE NEW UNISTRUT STRUCTURE NEXT TO COLUMN TO MOUNT VFD. MECHANICAL CONTRACTOR TO FURNISH NEW 20HP VFD WITH INTEGRAL DISCONNECT. FINAL LOCATION OF NEW VFD TO BE DETERMINED BY THE ENERGY MANAGEMENT OFFICE.
- NEW 3#1 WIRE AND 1#6 GROUND IN 1-1/2" CONDUIT FROM VFD TO NEW MOTOR.

**INTERNATIONAL ARCHITECTS ATELIER**  
912 BROADWAY BLVD, SUITE 300 | KANSAS CITY, MO 64105  
P: 816.471.6522 | F: 816.471.3755 | W: I-A-A.COM  
MISSOURI STATE CERTIFICATE OF AUTHORITY #000582

**MEP CONSULTANT**  
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REF. SCALE IN INCHES PROJECT #23050701.01



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CHECKED BY:	SGB
APPROVED BY:	SGB

SEAL:

Bruce E. Hart - #E-22817 09/26/2024

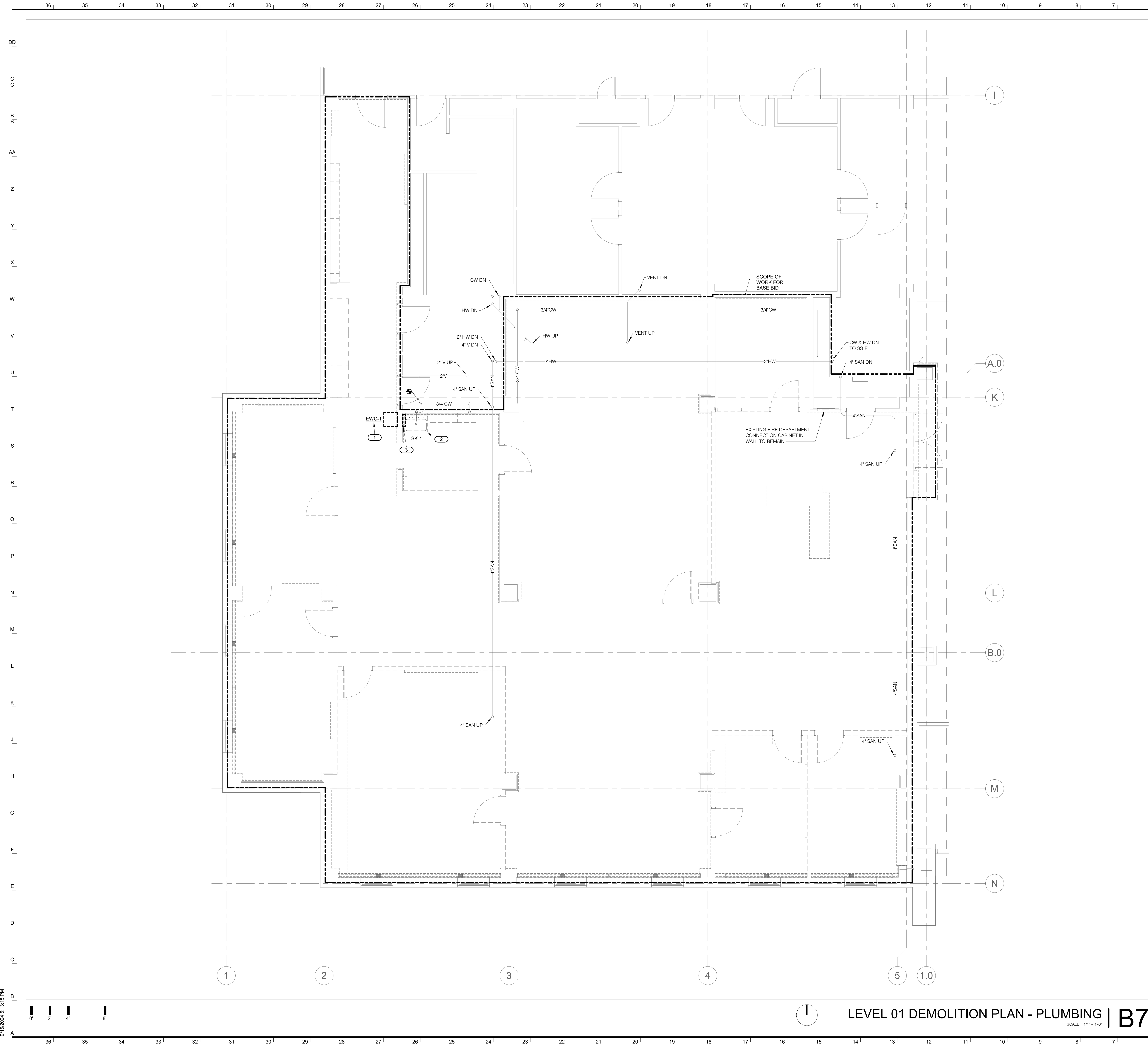
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**BASEMENT PLANS - VENTILATION AND ELECTRICAL**

**ME200**

9/16/2024 6:13:11 PM



**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWN.
- COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.

**KEYNOTES:**

- DISCONNECT & TURN OVER EXISTING WATER COOLER TO OWNER.
- DISCONNECT & REMOVE EXISTING SINK AND ASSOCIATED PIPING. CAP PIPING AT MAINS.
- DISCONNECT & REMOVE EXISTING RO SYSTEM AND ASSOCIATED PIPING AND SUPPORTS.

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FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331

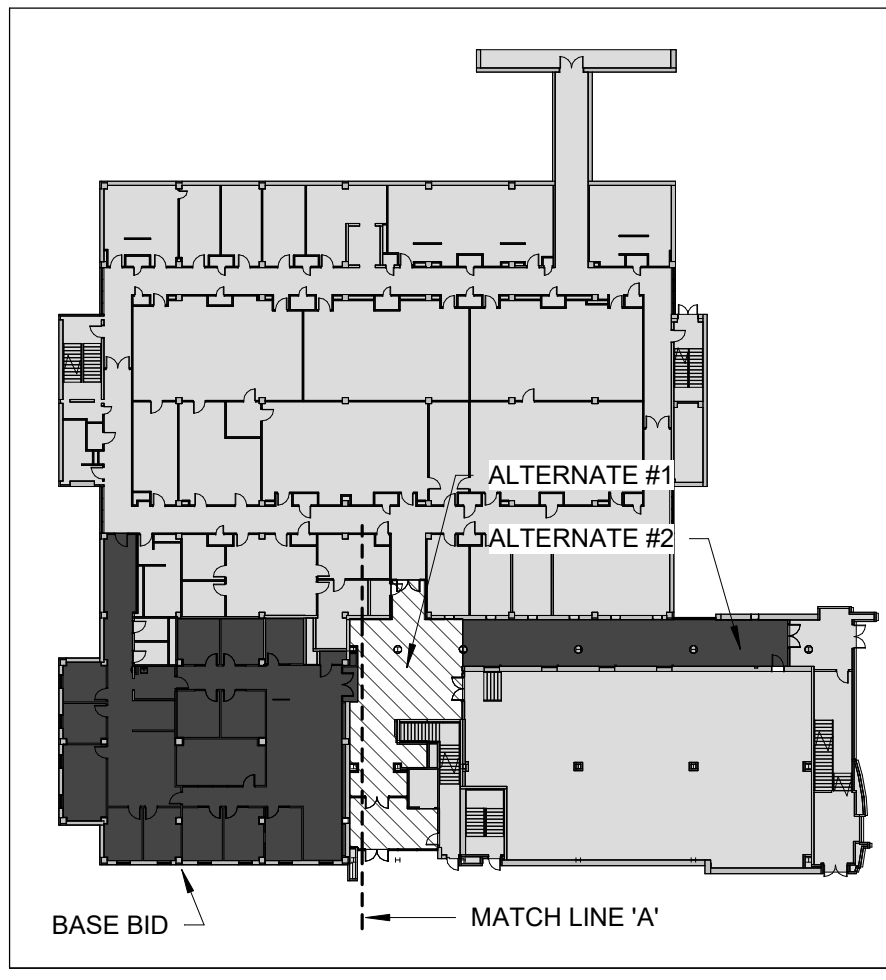
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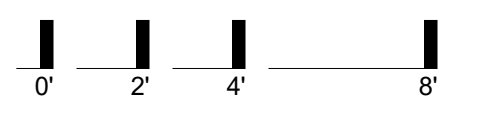
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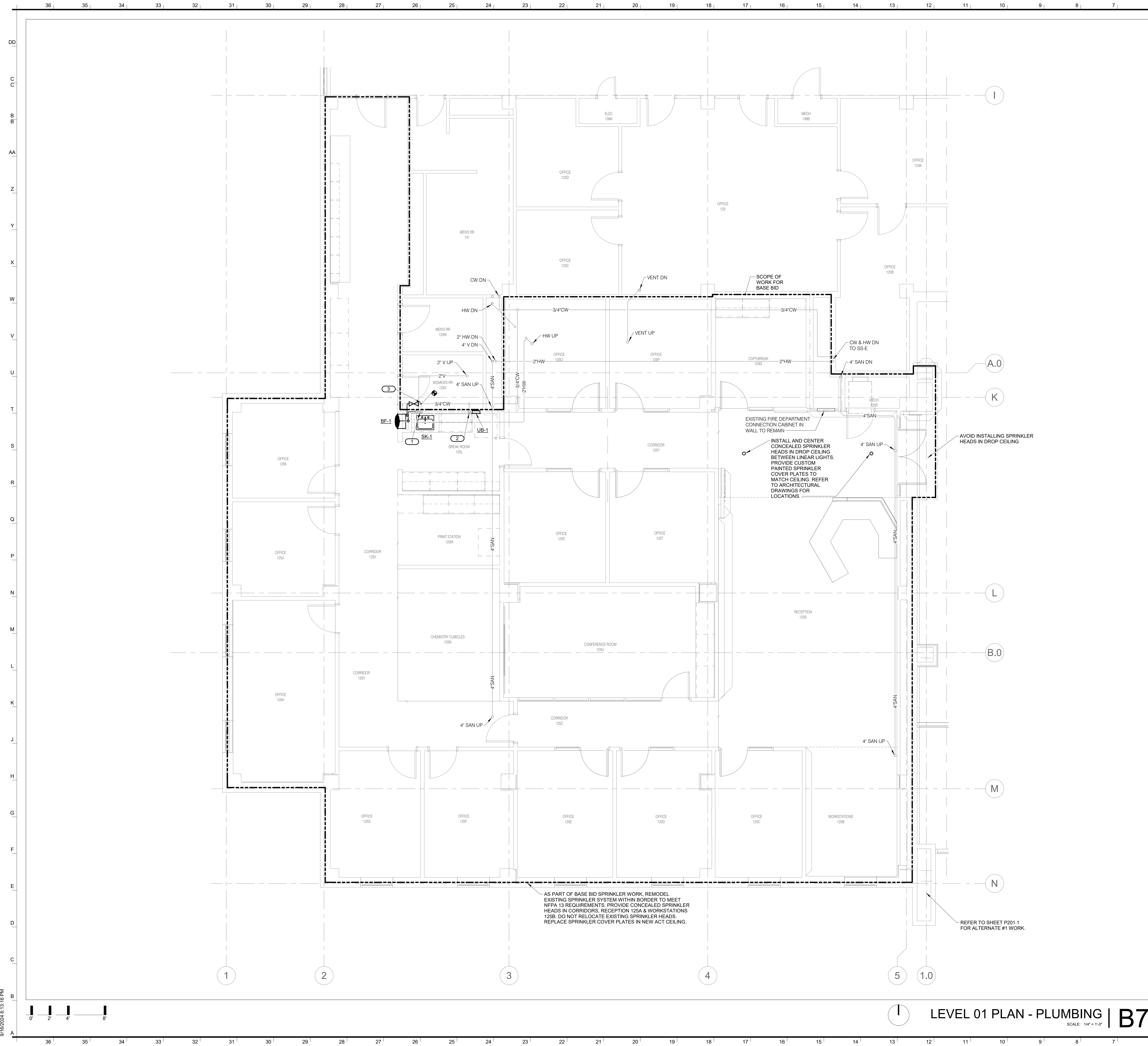


**LEVEL 01 DEMOLITION PLAN - PLUMBING | B7**  
SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - PLUMBING**

**P101**

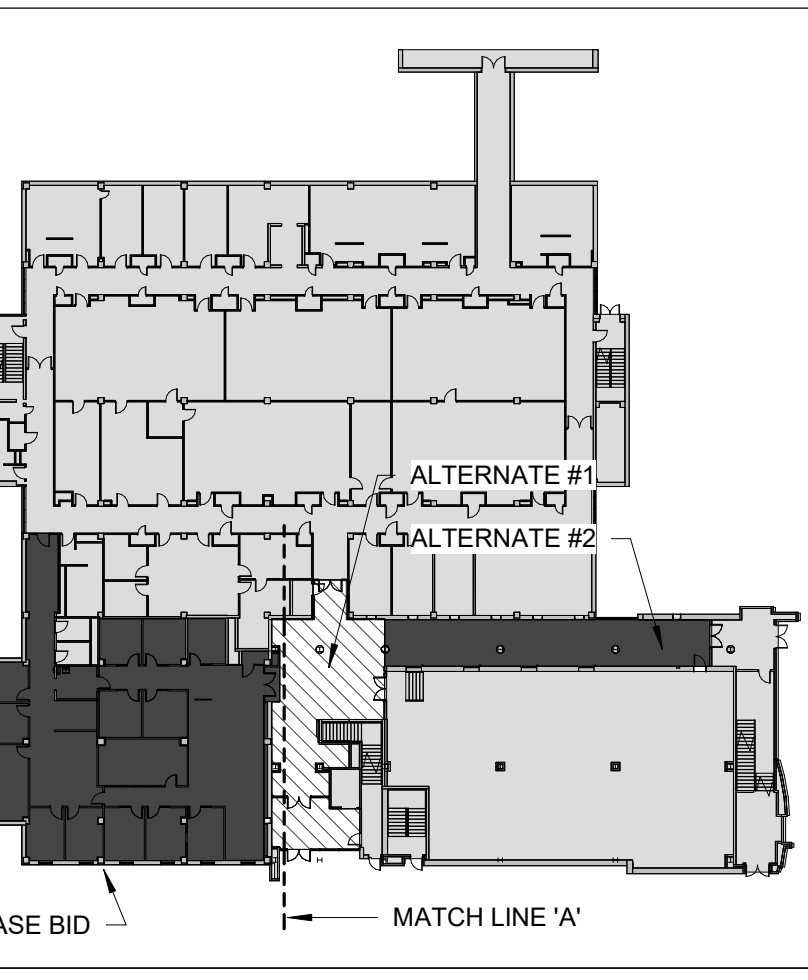


**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWN.
- COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.

**KEYNOTES:**

- EXTEND EXISTING CW, HW, SANITARY, & VENT PIPING TO NEW SINK CONNECTIONS.
- EXTEND EXISTING CW PIPE TO SERVE NEW UTILITY BOX FOR REFRIGERATOR.
- EXTEND EXISTING CW PIPING FROM SINK TO SERVE BOTTLE FILLER. TIE BOTTLE FILLER SANITARY LINE TO EXISTING SANITARY PIPE FOR SINK.



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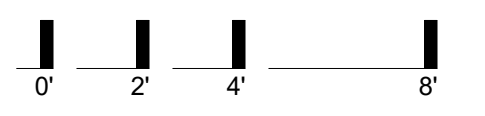
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LEVEL 01 PLAN - PLUMBING

**P201**

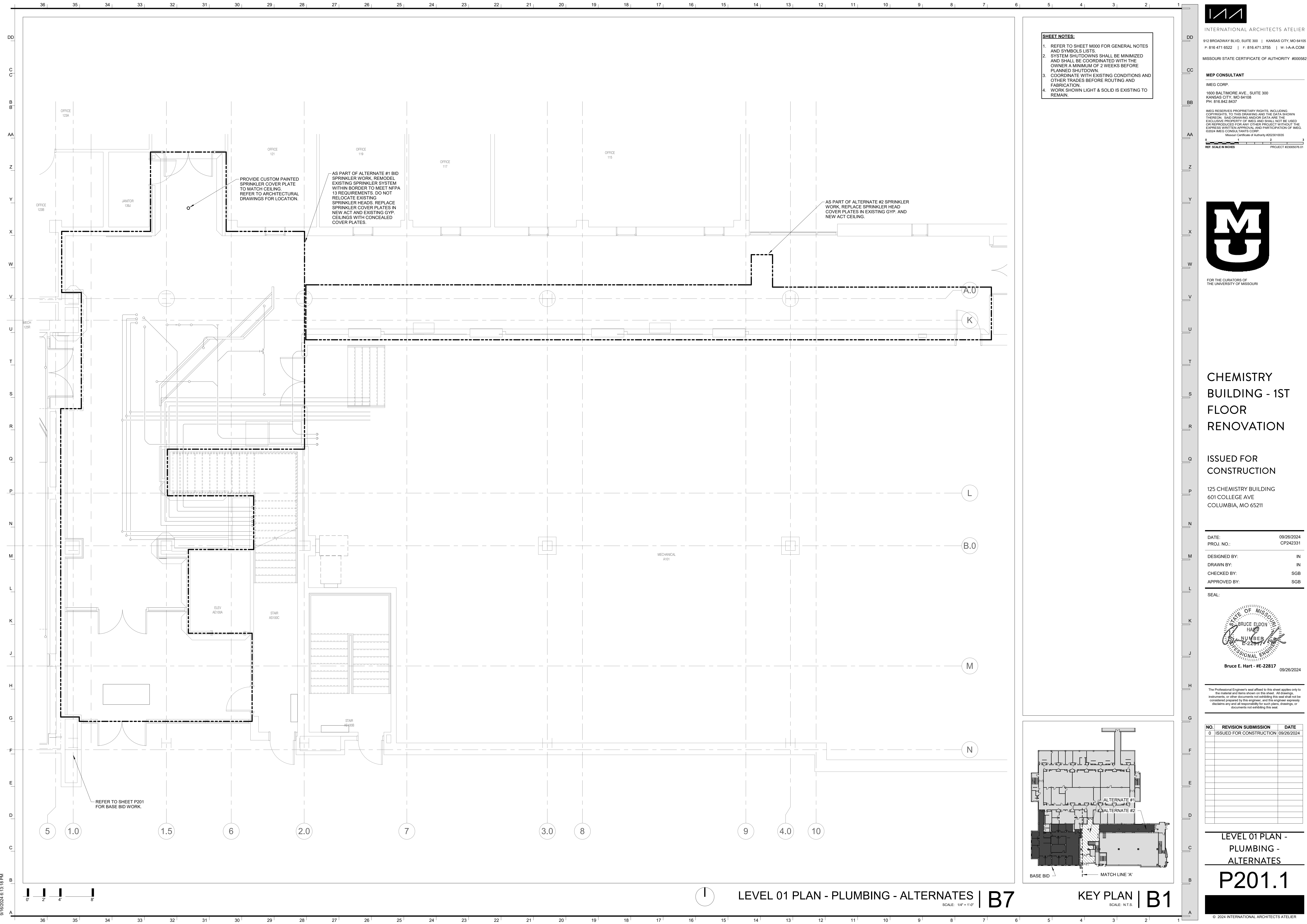
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LEVEL 01 PLAN - PLUMBING | B7  
 SCALE: 1/4" = 1'-0"

KEY PLAN | B1  
 SCALE: N.T.S.



- SHEET NOTES:**
1. REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
  2. SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWN.
  3. COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.
  4. WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

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FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
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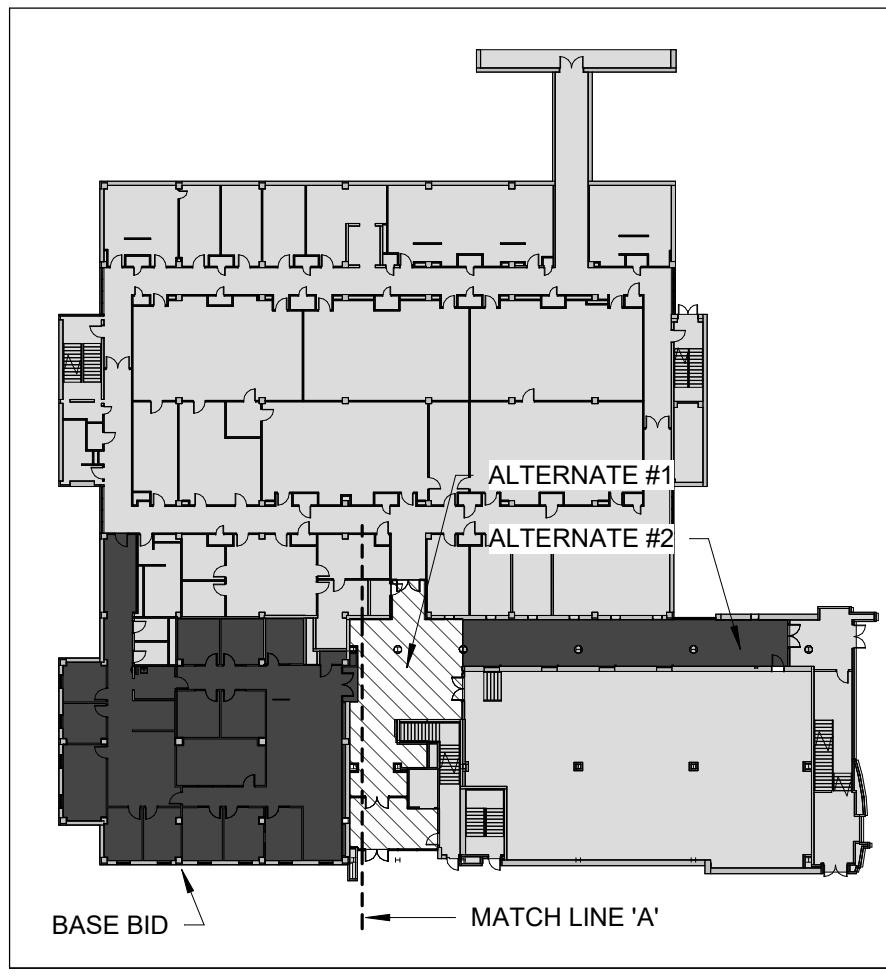
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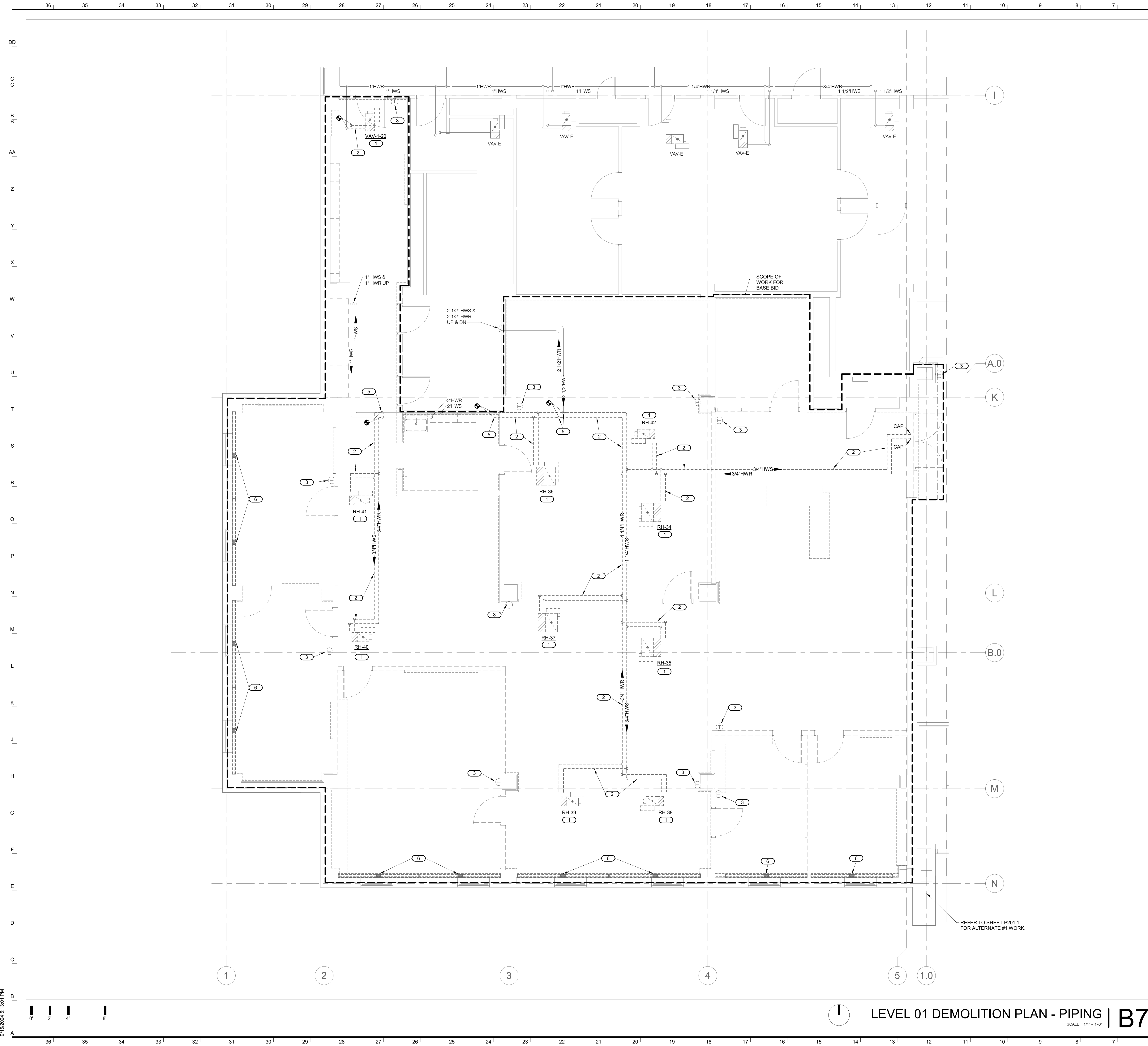
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**LEVEL 01 PLAN - PLUMBING - ALTERNATES | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

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**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- WORK SHOWN DARK & DASHED SHALL BE REMOVED.
- WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

**KEYNOTES:**

- DISCONNECT & REMOVE EXISTING VAV BOXES AND ASSOCIATED PIPING, CONTROLS AND SUPPORTS.
- FIELD VERIFY ROUTING OF HVAC PIPING. DISCONNECT & REMOVE HEATING WATER PIPING AND ASSOCIATED SUPPORTS.
- DISCONNECT & REMOVE THERMOSTAT AND ASSOCIATED PNEUMATIC TUBING OR CONTROL WIRING.
- CAP PIPING AT MAINS.
- DISCONNECT & REMOVE EXISTING BASEBOARD RADIATORS AND ASSOCIATED PIPING, CONTROLS AND SUPPORTS. CAP PIPING ON FLOOR BELOW AND COORDINATE TO PATCH FLOOR TO MATCH EXISTING.

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**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
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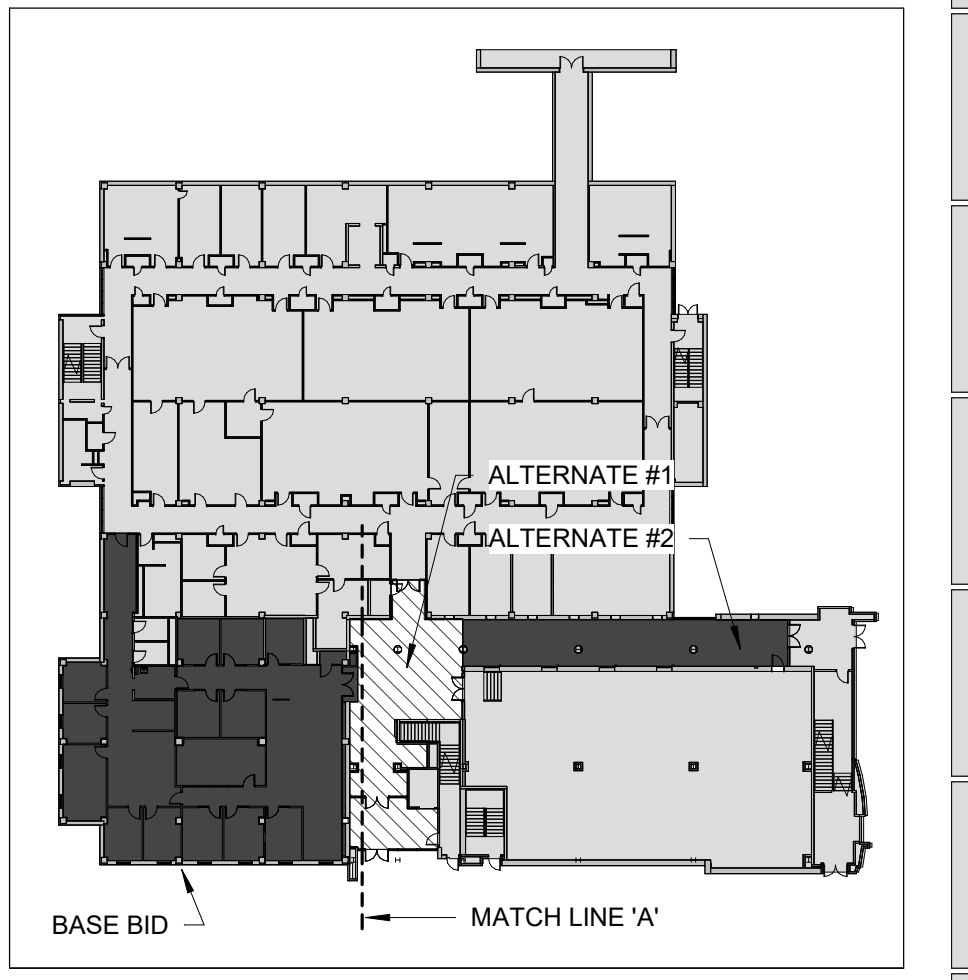
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**LEVEL 01 DEMOLITION PLAN - PIPING | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - PIPING**

**M101**

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**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- DISCONNECT AND REMOVE ALL EQUIPMENT, DUCTWORK, GRILLES AND DIFFUSERS, PIPING, CONTROLS AND SUPPORTS NOT TO BE UTILIZED AFTER THE RENOVATION. WHETHER SHOWN REMOVED OR NOT, THE INTENT IS TO REMOVE ALL HVAC COMPONENTS WHICH ARE NOT TO BE RE-USED.
- SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWNS.

**KEYNOTES:**

- DISCONNECT & REMOVE EXISTING DUCTWORK, CAP DUCTWORK AT MAINS TO SMAGNA SEAL CLASS A AND REPAIR DUCT INSULATION.
- DISCONNECT & REMOVE EXISTING SUPPLY LINEAR DIFFUSERS AND RETURN GRILLES, ASSOCIATED FLEX DUCT AND SUPPORTS.



**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

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125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
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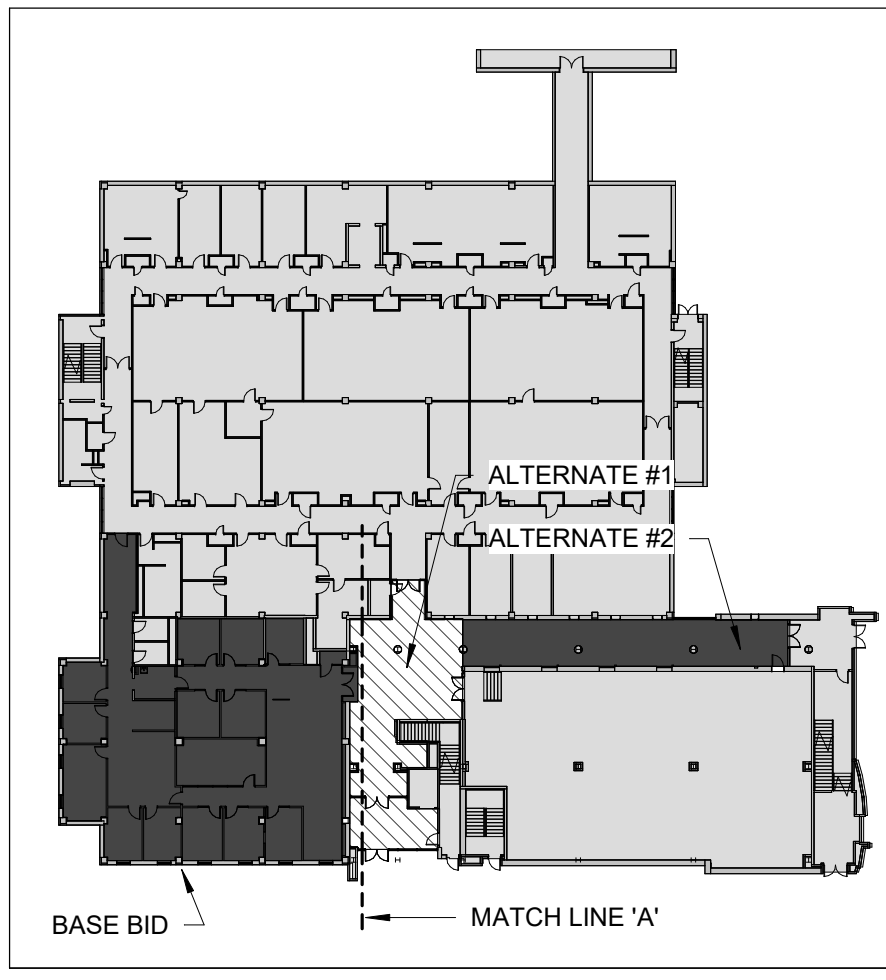
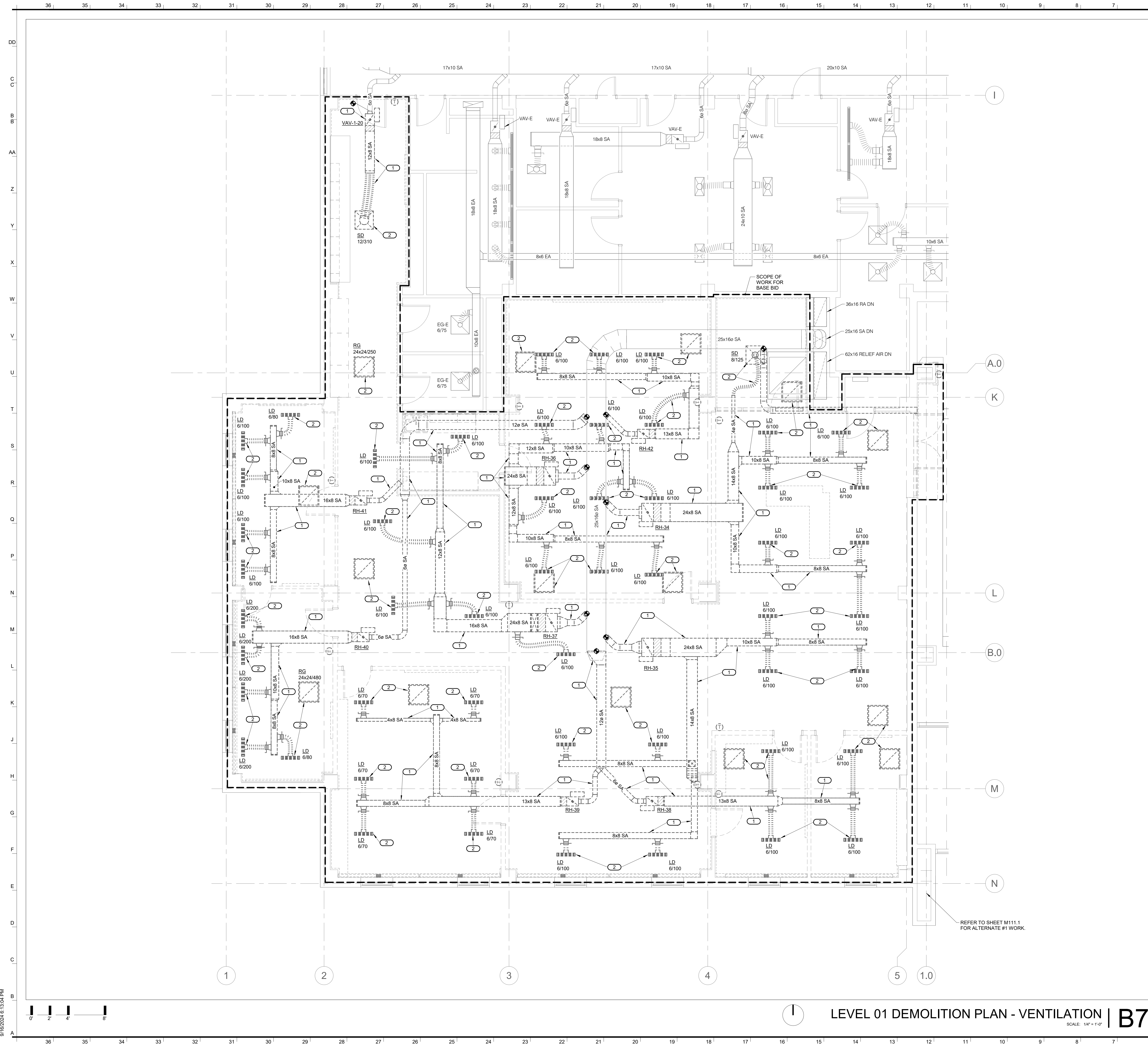
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LEVEL 01 DEMOLITION PLAN - VENTILATION

**M111**

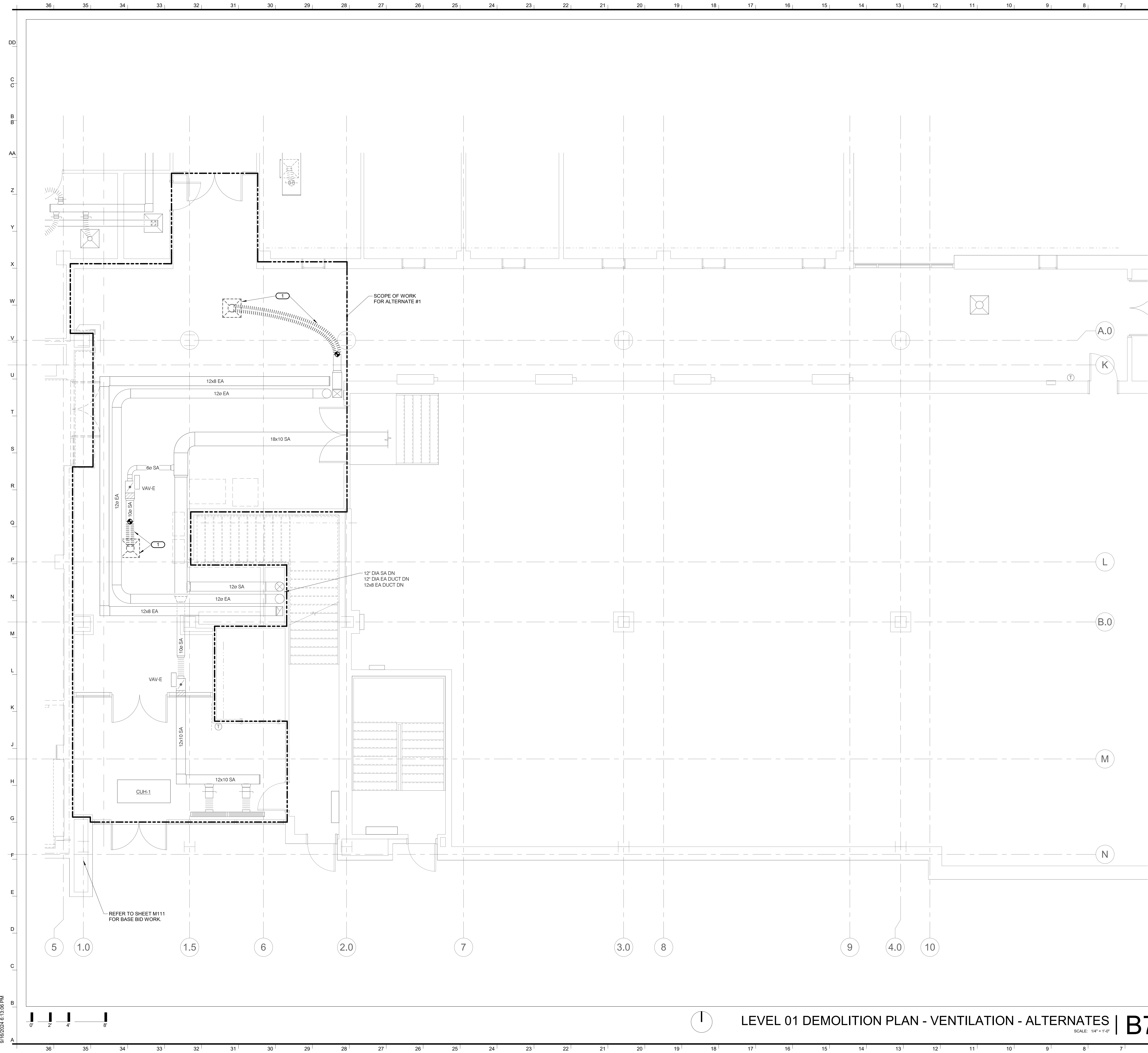
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LEVEL 01 DEMOLITION PLAN - VENTILATION | B7  
 SCALE: 1/4" = 1'-0"

KEY PLAN | B1  
 SCALE: N.T.S.

REFER TO SHEET M111.1 FOR ALTERNATE #1 WORK.



**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS
- WORK SHOWN DARK & DASHED SHALL BE REMOVED.
- WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

**KEYNOTES:**

- AS PART OF ALTERNATE #1 MECHANICAL WORK, DISCONNECT & REMOVE EXISTING AIR TERMINAL AND ASSOCIATED FLEX DUCT.

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FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**

125 CHEMISTRY BUILDING  
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 COLUMBIA, MO 65211

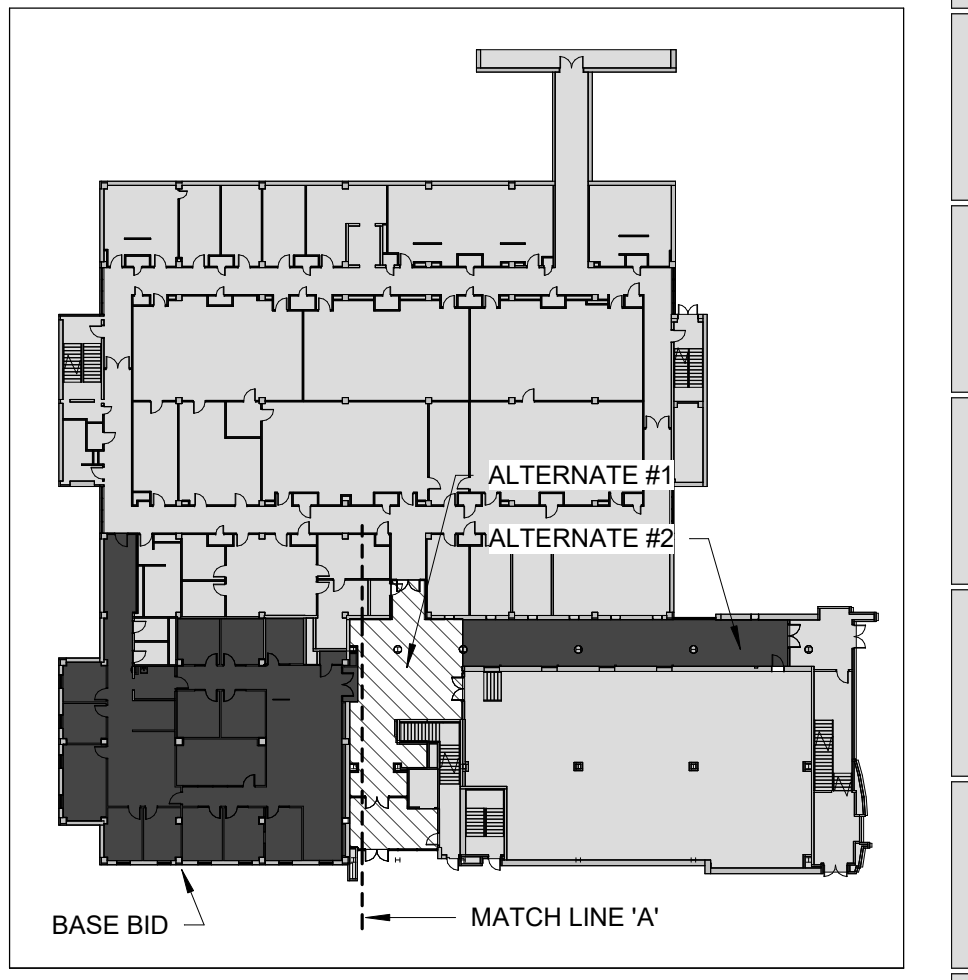
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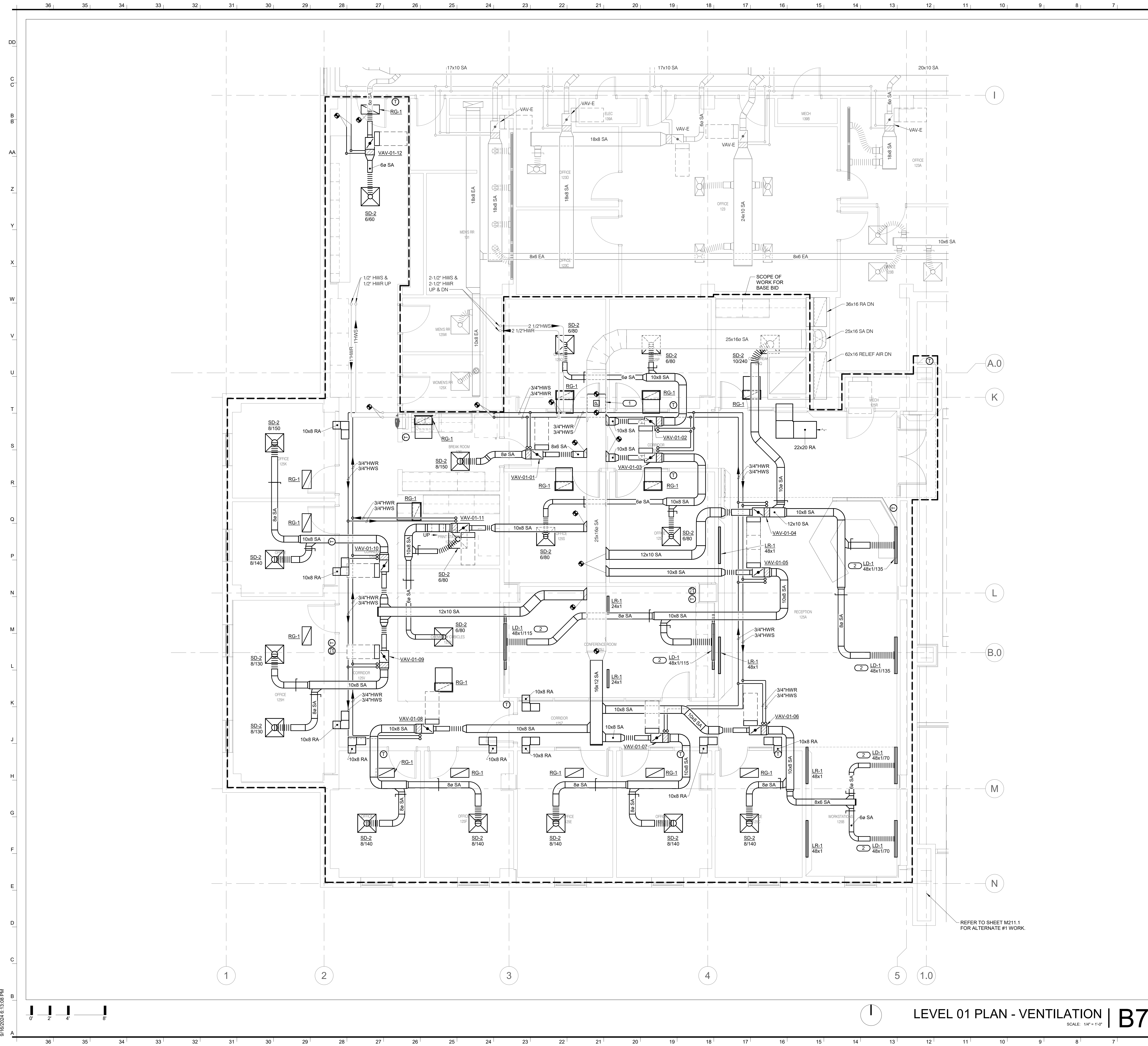
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**LEVEL 01 DEMOLITION PLAN - VENTILATION - ALTERNATES | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - VENTILATION - ALTERNATES**

**M111.1**



**SHEET NOTES:**

- REFER TO SHEET M000 FOR GENERAL NOTES AND SYMBOLS LISTS.
- SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWNS.
- COORDINATE NEW WORK WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.
- WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

**KEYNOTES:**

- INSTALL NEW STATIC PRESSURE SENSOR.
- PROVIDE WITH 45"x6" Ø INSULATED PLENUM.
- BLANK OFF UNUSED PORTIONS OF DIFFUSER.

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# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
 COLUMBIA, MO 65211

DATE: 09/26/2024  
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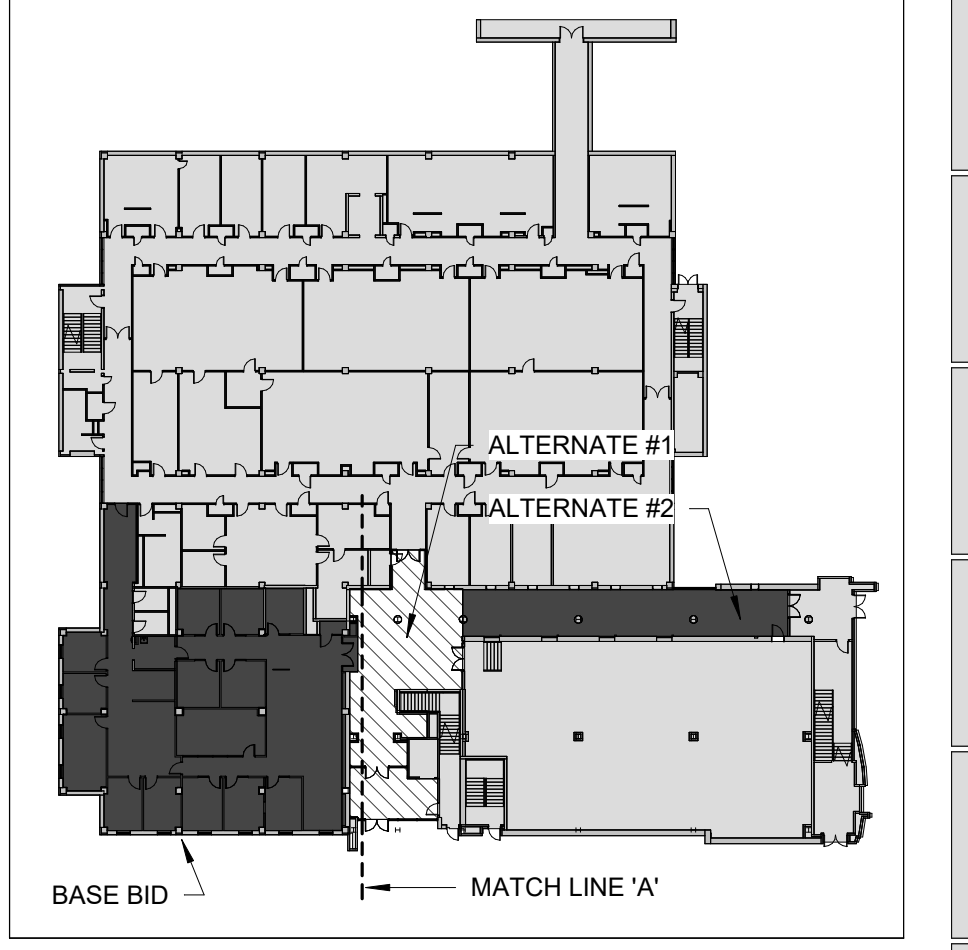
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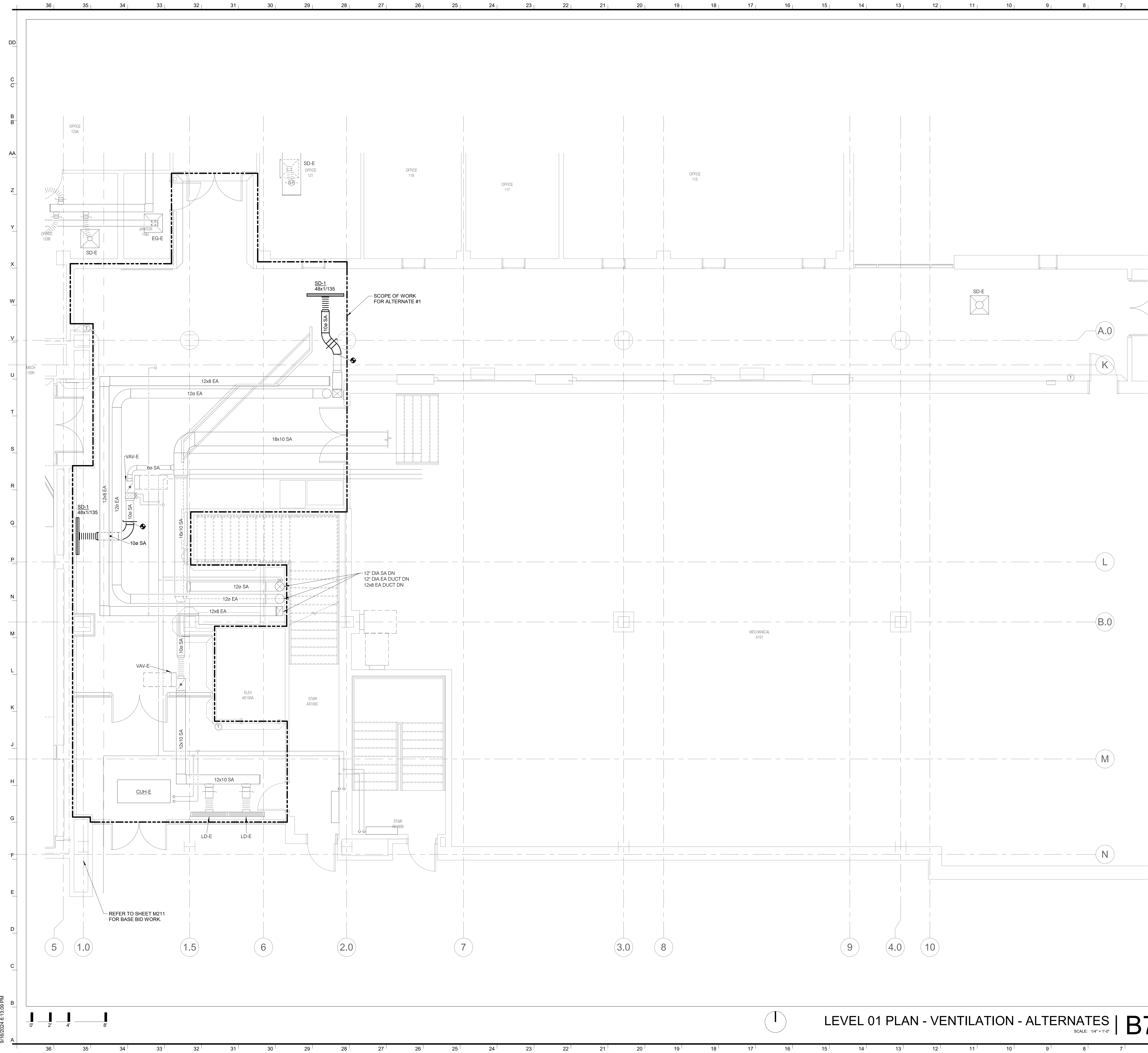
LEVEL 01 PLAN - VENTILATION | B7  
 SCALE: 1/4" = 1'-0"

KEY PLAN | B1  
 SCALE: N.T.S.

LEVEL 01 PLAN - VENTILATION

M211

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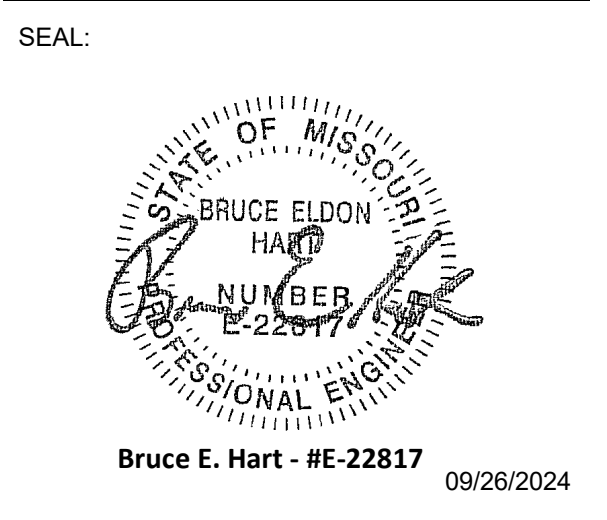
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  2. SYSTEM SHUTDOWNS SHALL BE MINIMIZED AND SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 2 WEEKS BEFORE PLANNED SHUTDOWN.
  3. COORDINATE WITH EXISTING CONDITIONS AND OTHER TRADES BEFORE ROUTING AND FABRICATION.
  4. WORK SHOWN LIGHT & SOLID IS EXISTING TO REMAIN.

**CHEMISTRY  
BUILDING - 1ST  
FLOOR  
RENOVATION**

ISSUED FOR  
CONSTRUCTION

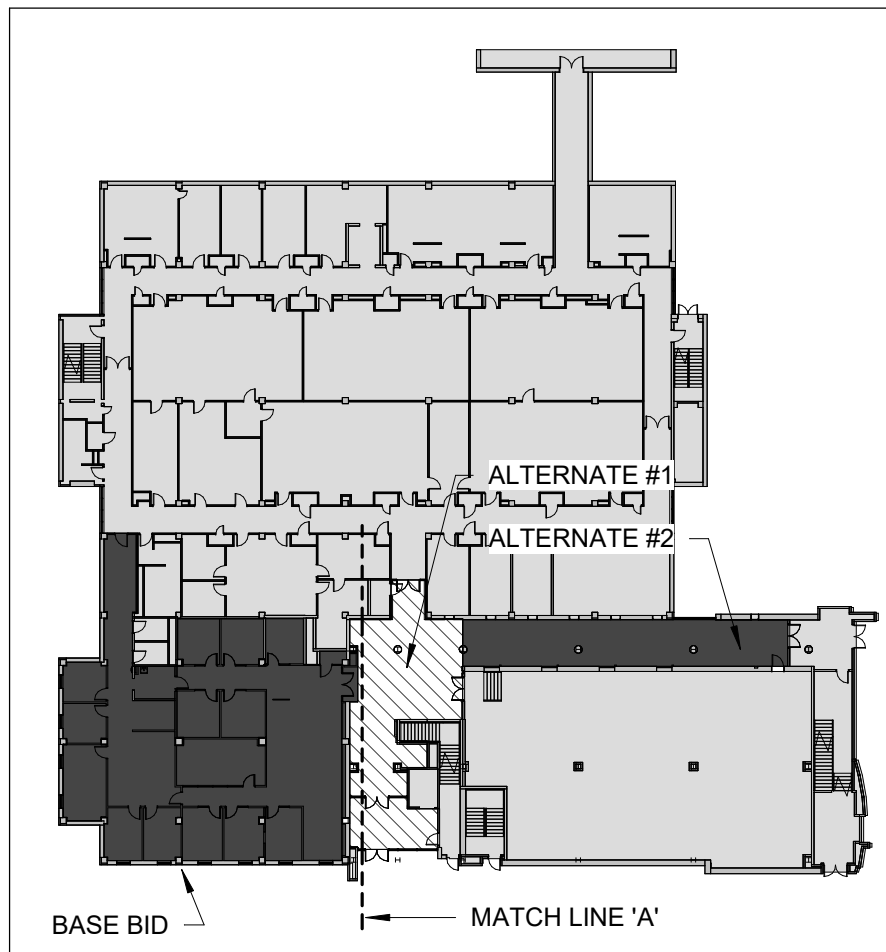
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**LEVEL 01 PLAN -  
VENTILATION -  
ALTERNATES**

**M211.1**

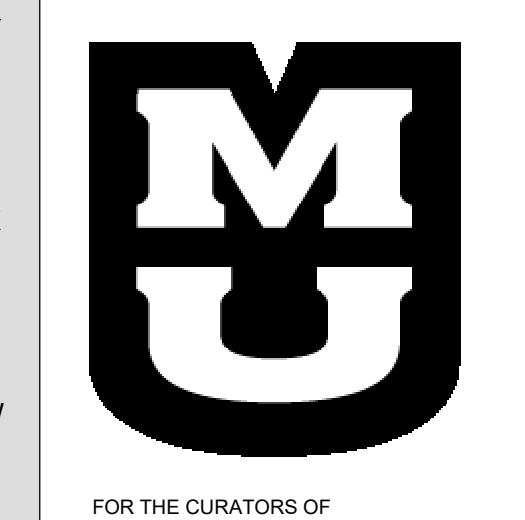
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**LEVEL 01 PLAN - VENTILATION - ALTERNATES | B7**  
SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
SCALE: N.T.S.

36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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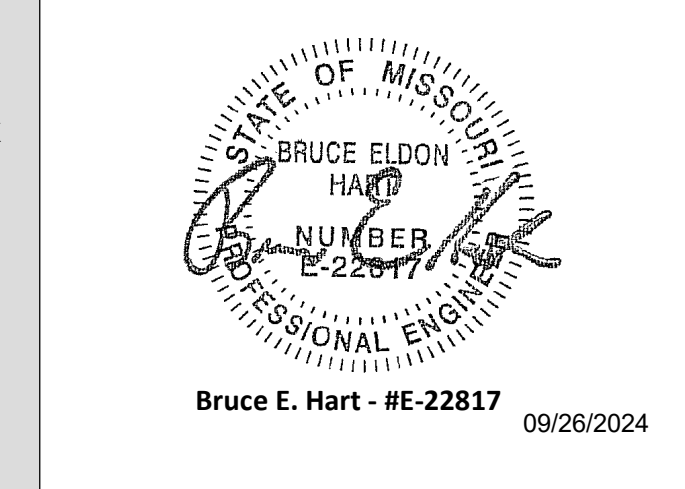


FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

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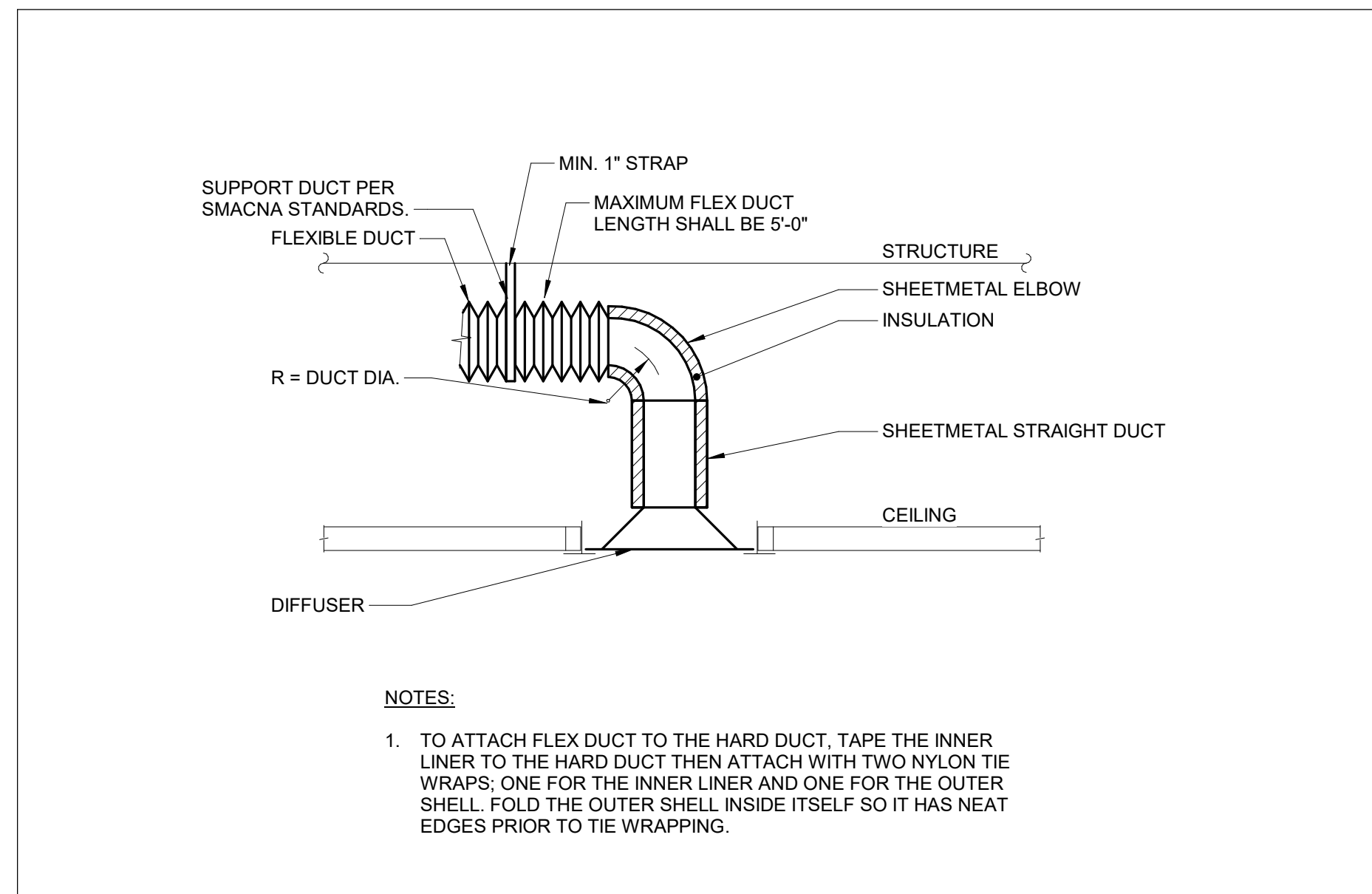


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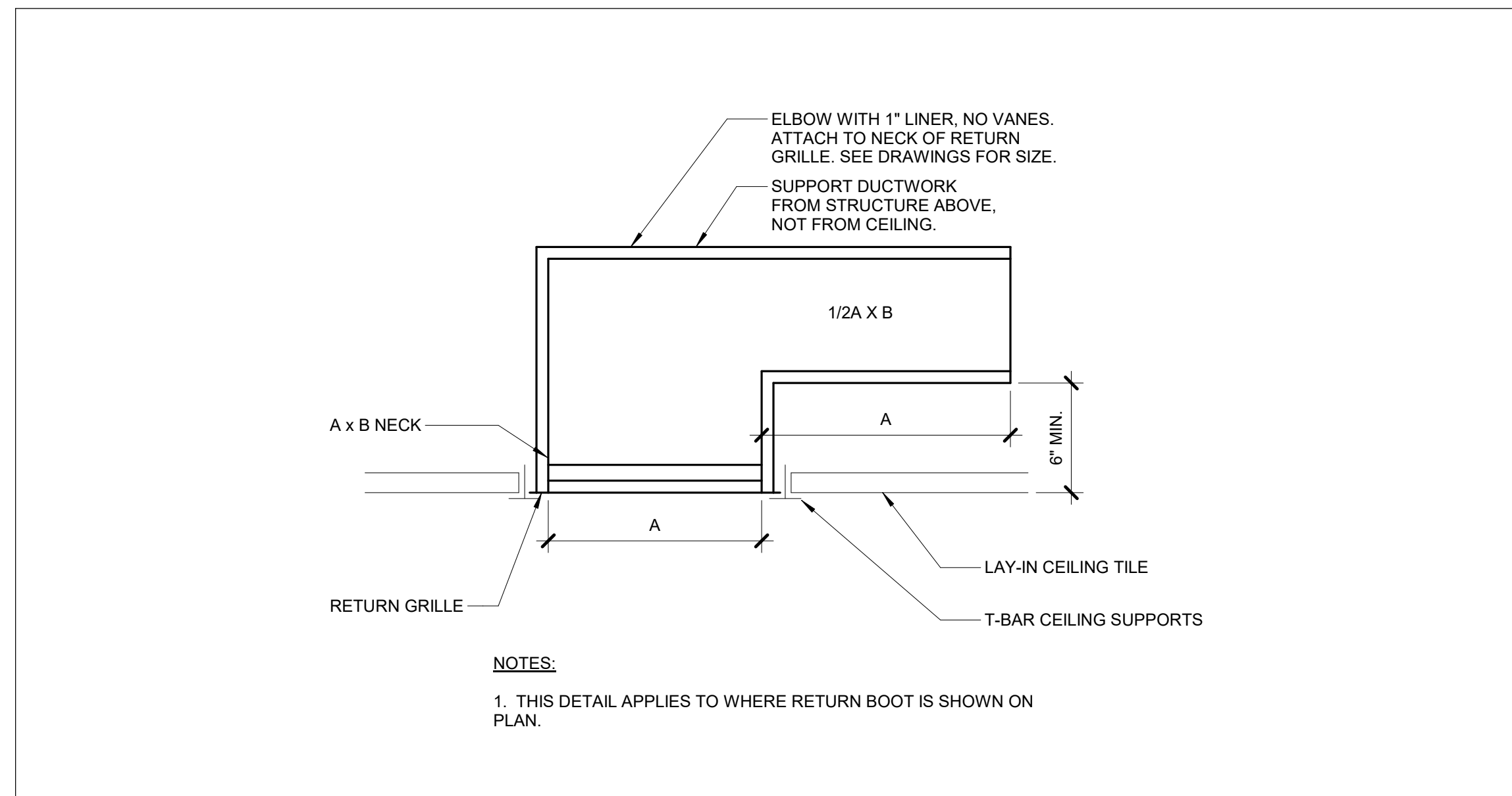
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**HVAC DETAILS**

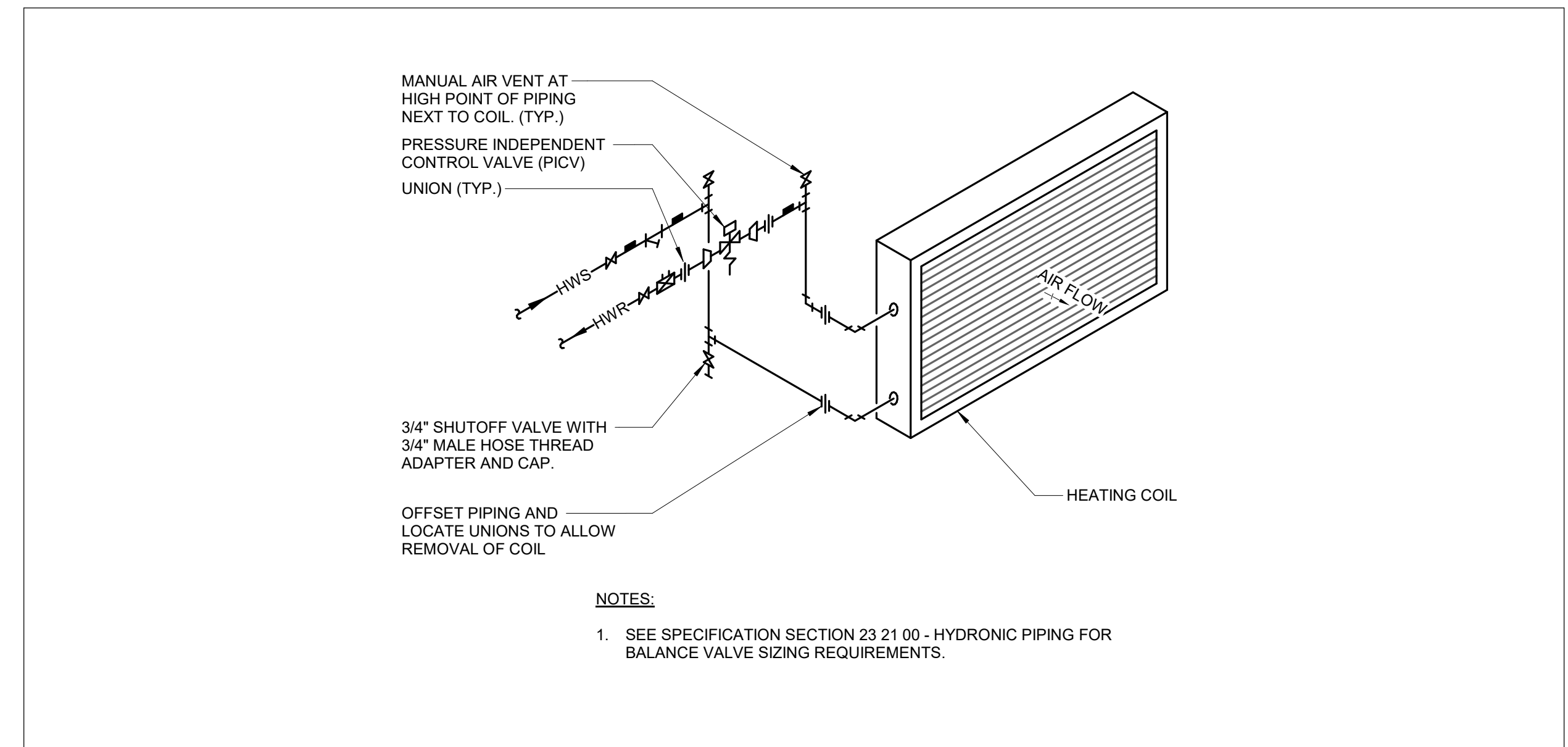
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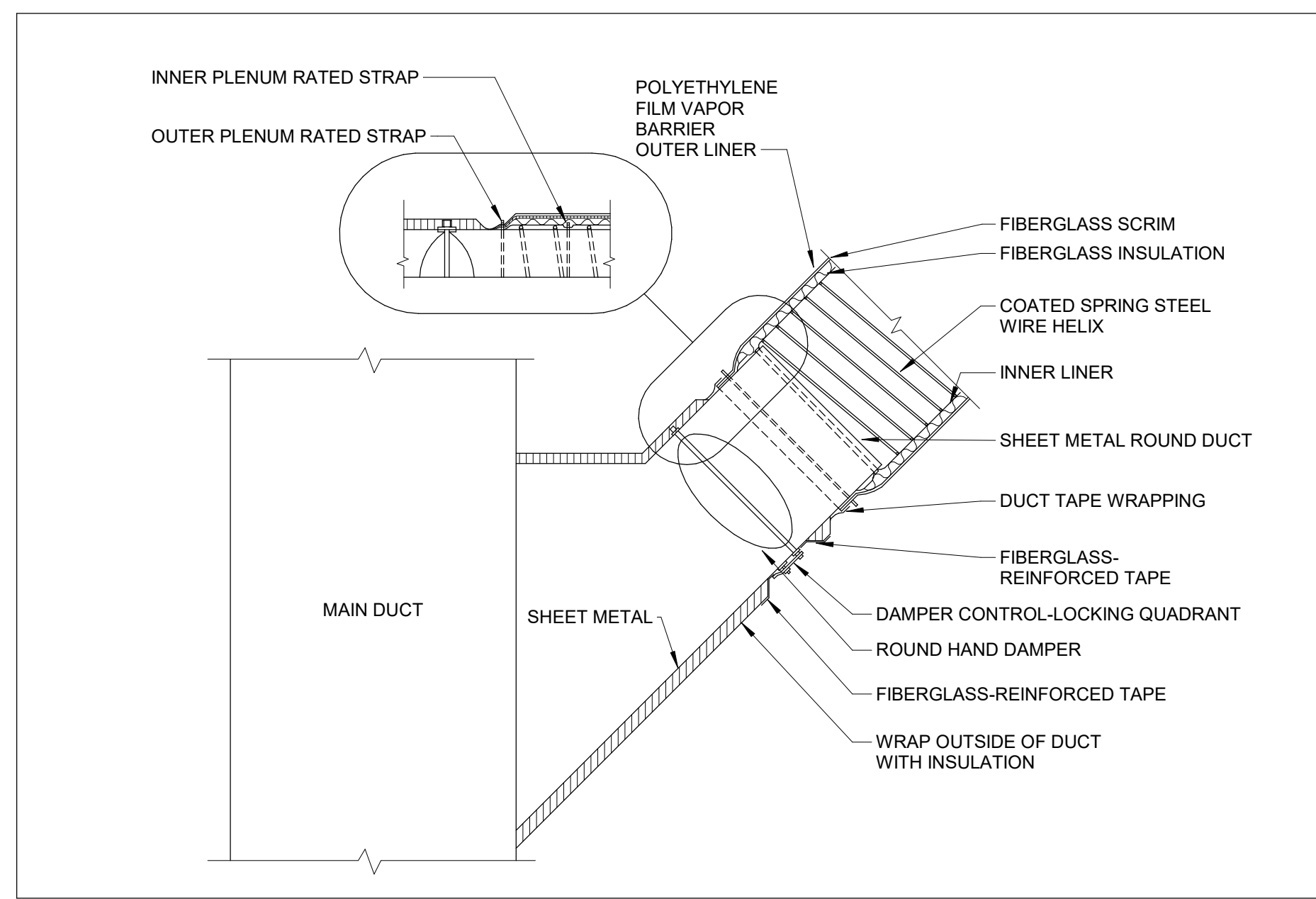
**DIFFUSER CONNECTION DETAIL | X27**



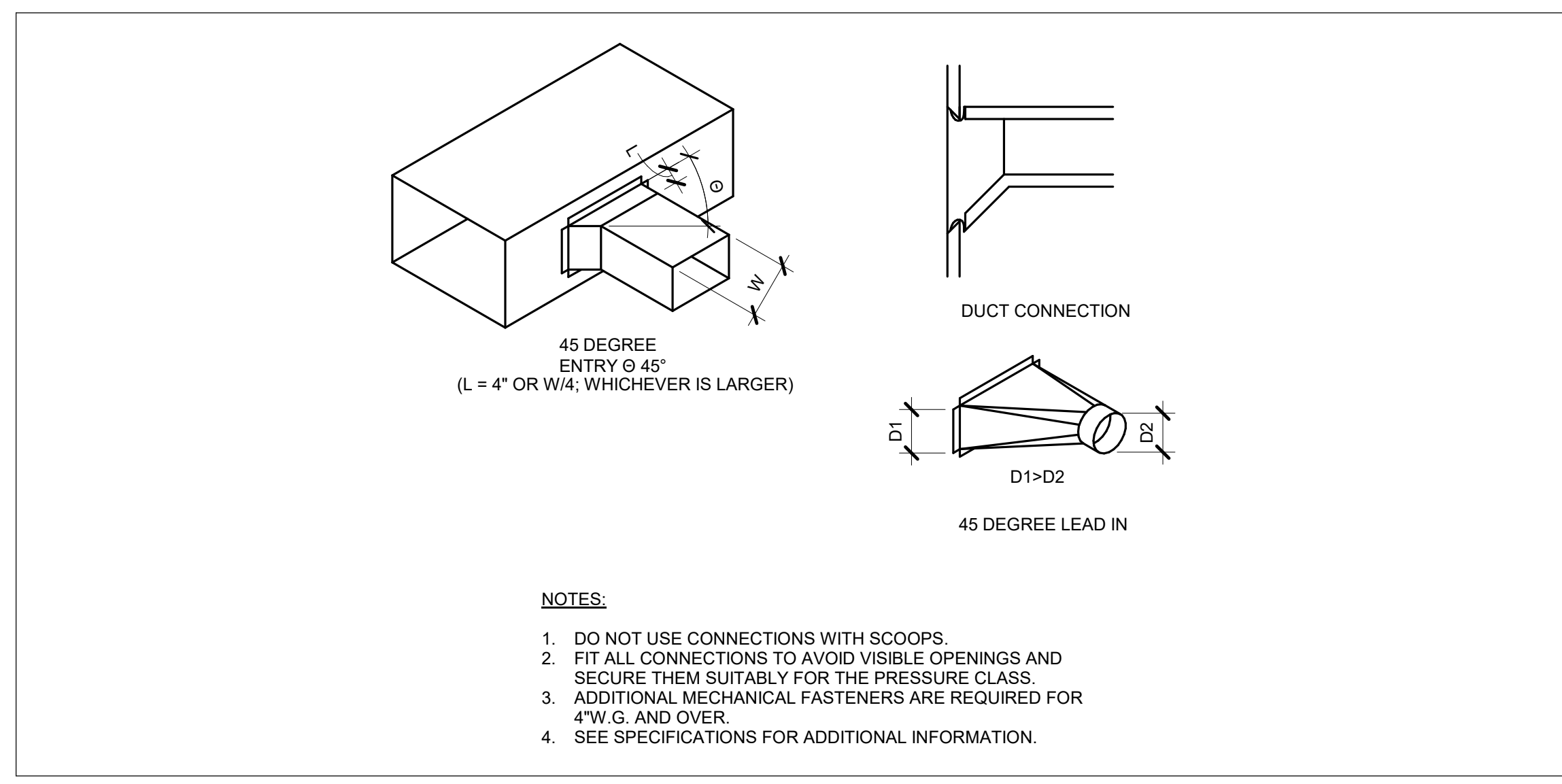
**AIR TERMINAL - CEILING RETURN SOUND BOOT | X15**



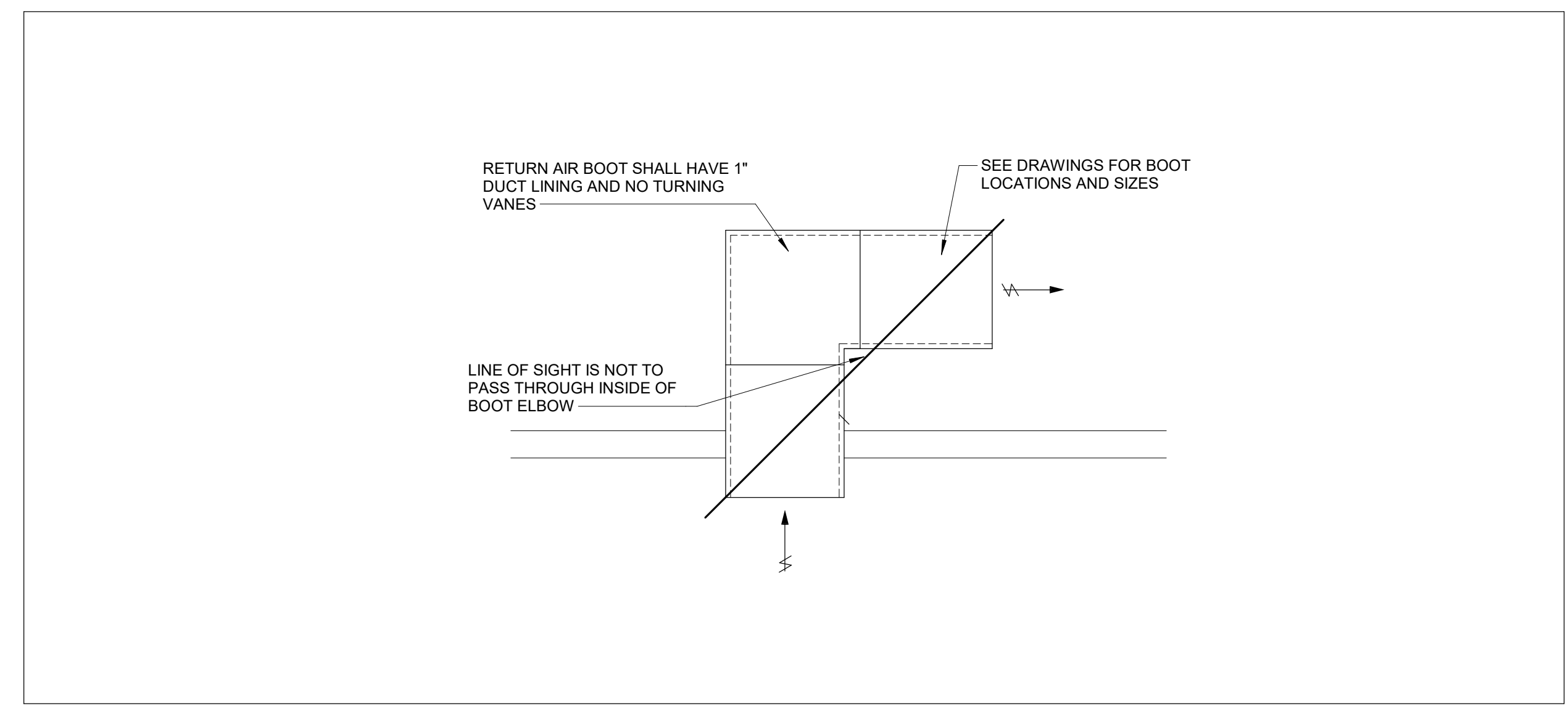
**COIL - HOT WATER PIPING DIAGRAM W/2-WAY VALVE | X1**



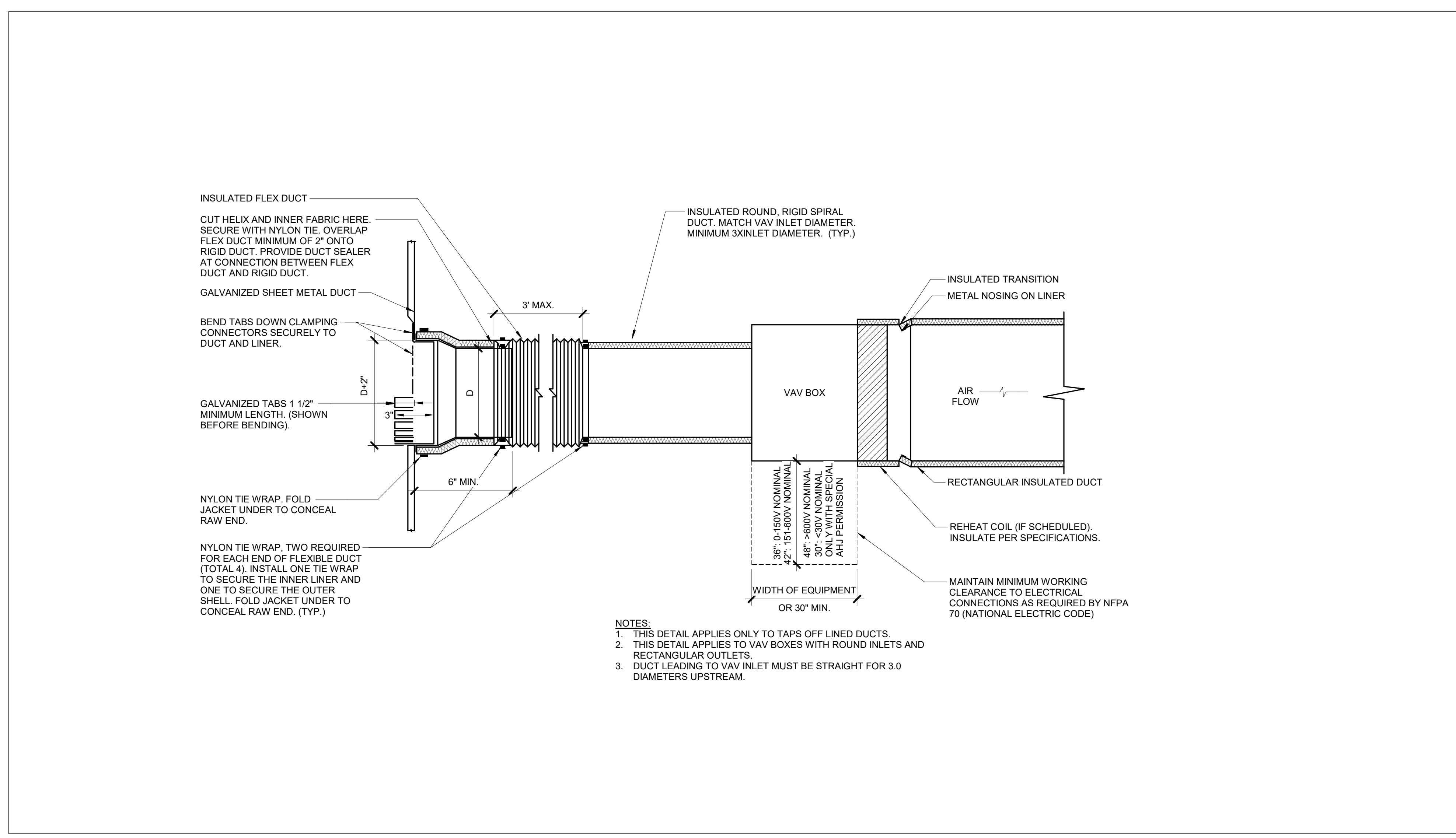
**FLEXIBLE DUCT CONNECTION DETAIL | Q27**



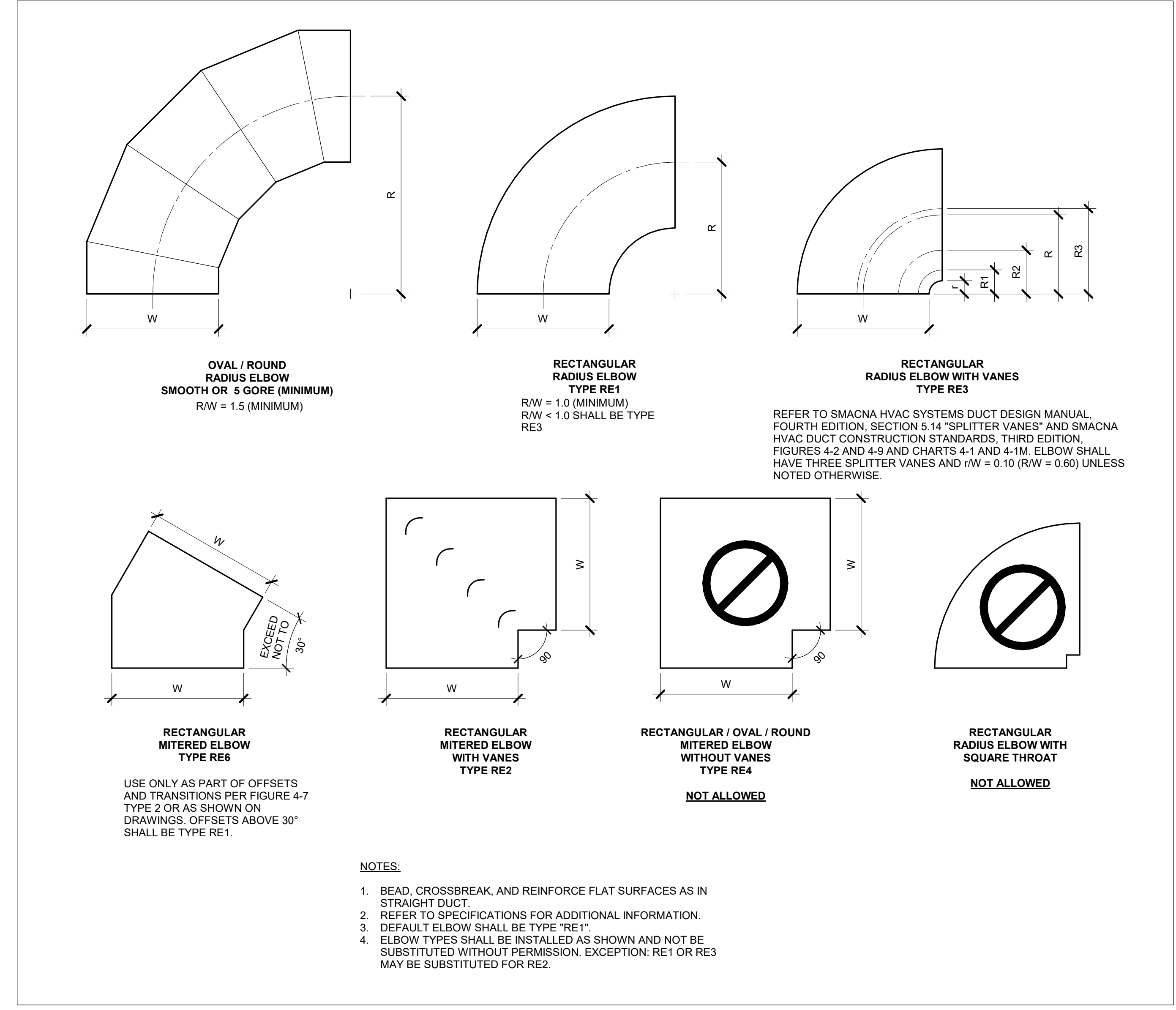
**BRANCH CONNECTIONS | Q15**



**RETURN AIR BOOT DETAIL | Q1**



**VAV BOX - SINGLE DUCT - LINED | B15**



**DUCT - ELBOW CONSTRUCTION | B1**



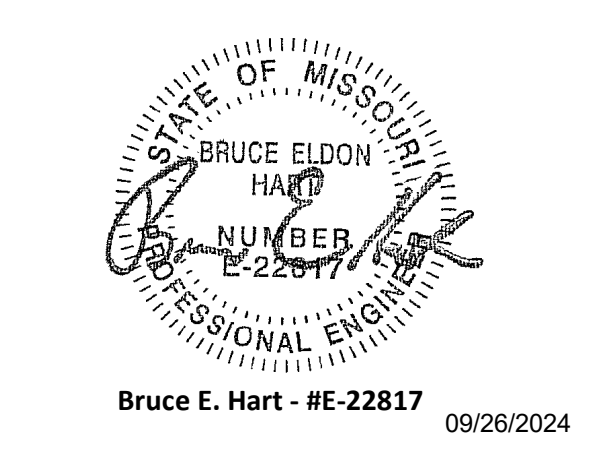
FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
 COLUMBIA, MO 65211

DATE:	09/26/2024
PROJ. NO.:	CP242331
DESIGNED BY:	IN
DRAWN BY:	IN
CHECKED BY:	SGB
APPROVED BY:	SGB

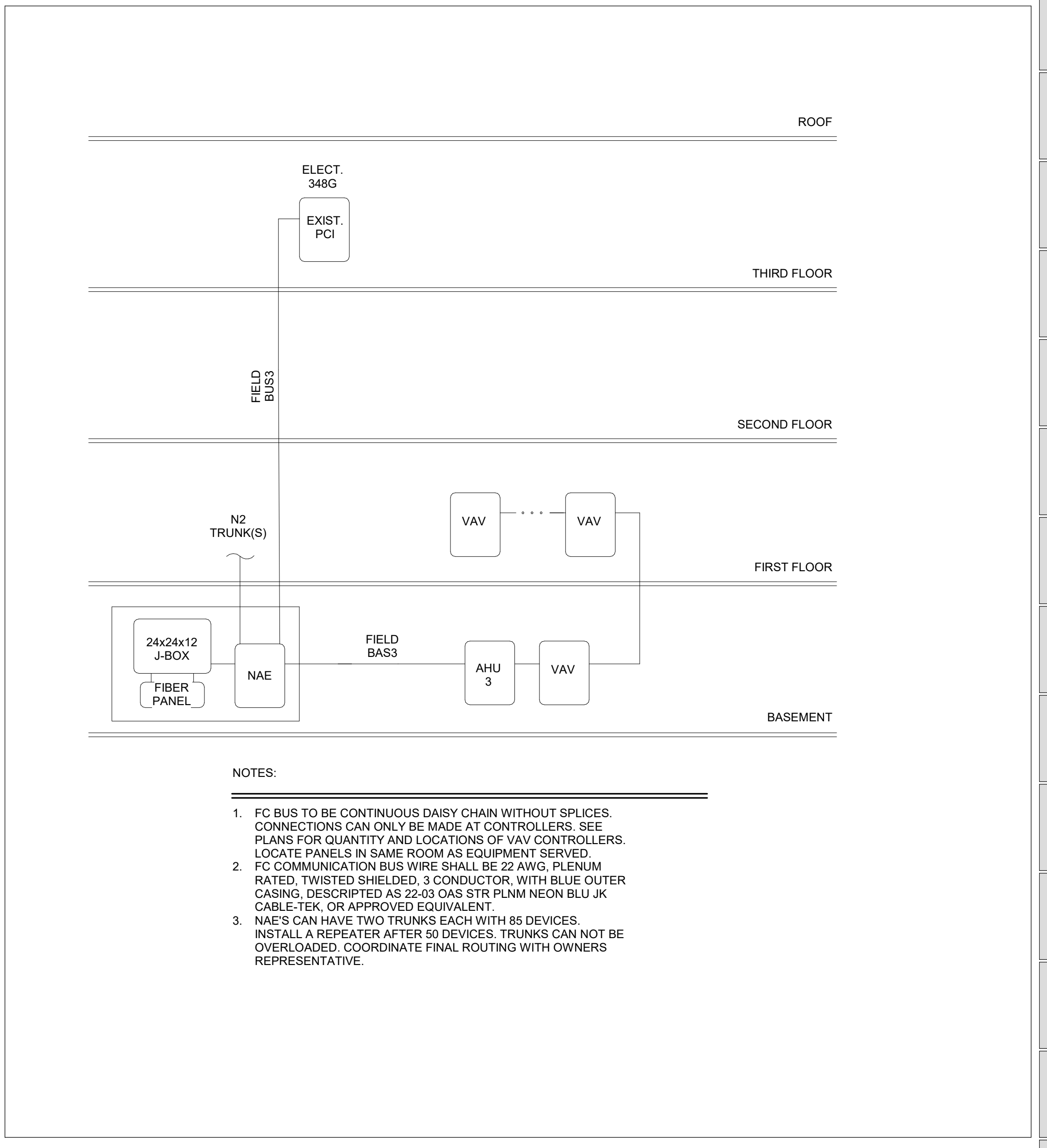


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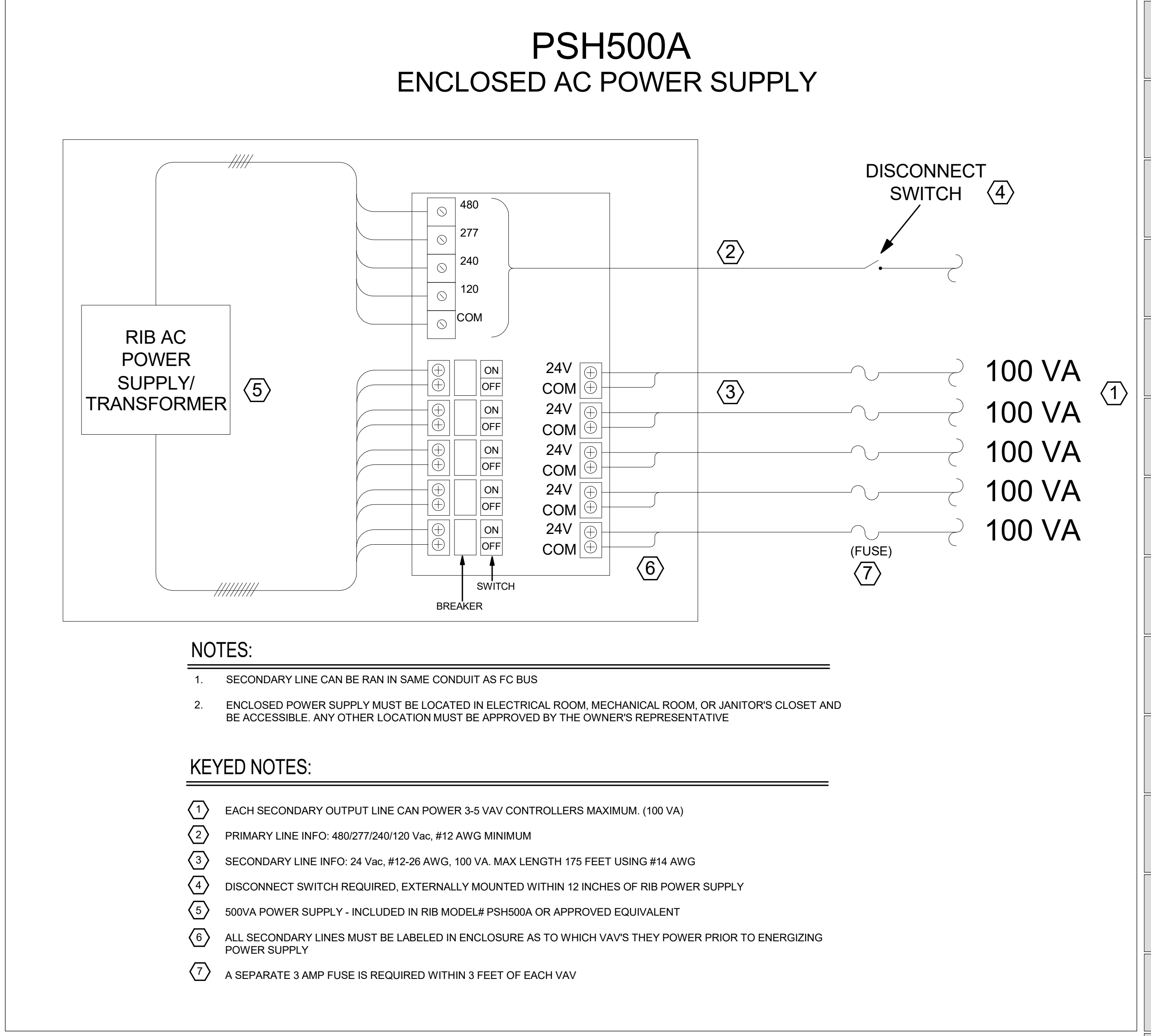
## TEMPERATURE CONTROL DETAILS

# M401



- NOTES:
1. FC BUS TO BE CONTINUOUS DAISY CHAIN WITHOUT SPLICES. CONNECTIONS CAN ONLY BE MADE AT CONTROLLERS. SEE PLANS FOR QUANTITY AND LOCATIONS OF VAV CONTROLLERS. LOCATE PANELS IN SAME ROOM AS EQUIPMENT SERVED.
  2. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIBED AS 22-03 OAS STR PLNM NEON BLU JK CABLE-TEK, OR APPROVED EQUIVALENT.
  3. NAE'S CAN HAVE TWO TRUNKS EACH WITH 85 DEVICES. INSTALL A REPEATER AFTER 50 DEVICES. TRUNKS CAN NOT BE OVERLOADED. COORDINATE FINAL ROUTING WITH OWNERS REPRESENTATIVE.

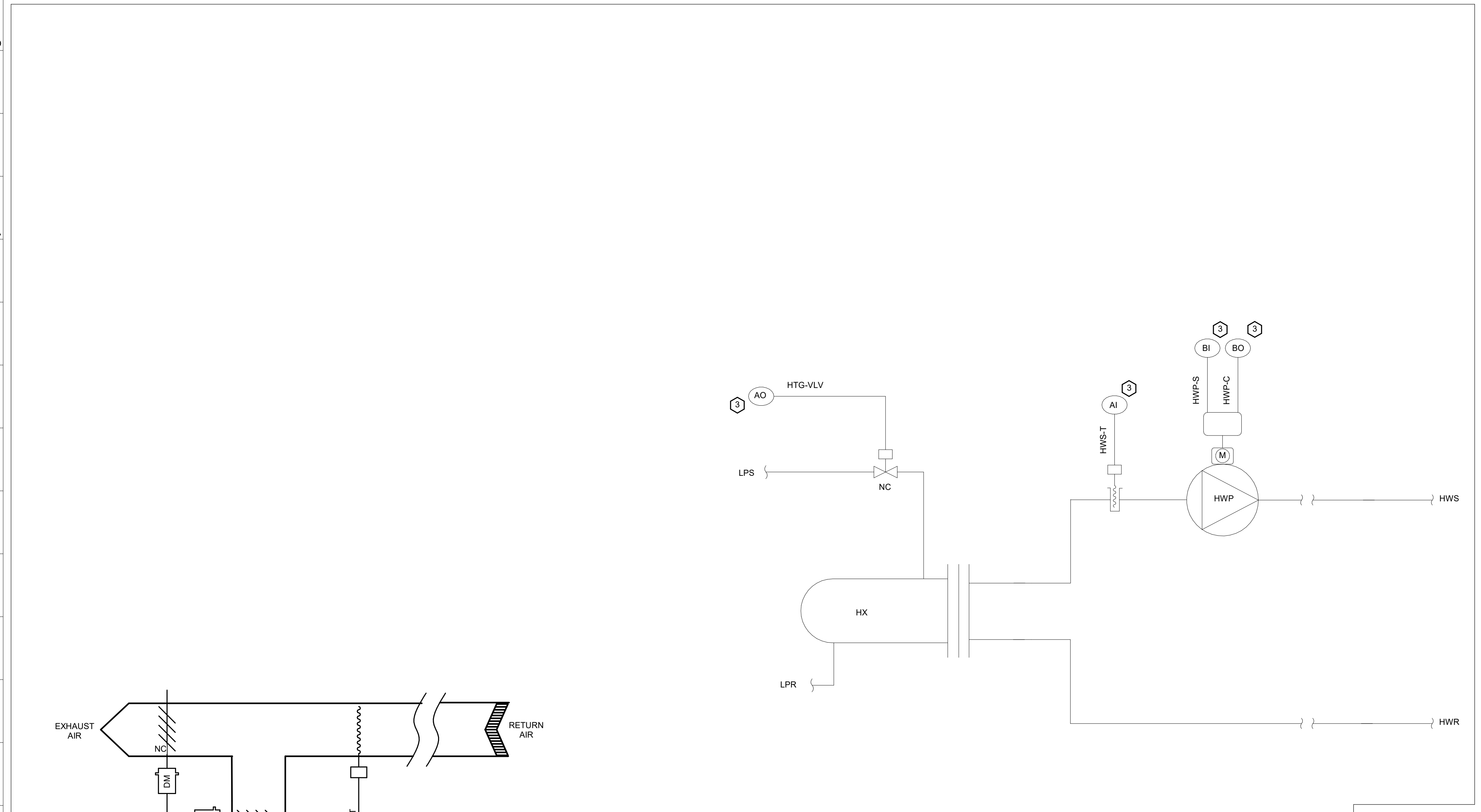
FC BUS SCHEMATIC DIAGRAM | B1



- NOTES:
1. SECONDARY LINE CAN BE RAN IN SAME CONDUIT AS FC BUS
  2. ENCLOSED POWER SUPPLY MUST BE LOCATED IN ELECTRICAL ROOM, MECHANICAL ROOM, OR JANITOR'S CLOSET AND BE ACCESSIBLE. ANY OTHER LOCATION MUST BE APPROVED BY THE OWNERS REPRESENTATIVE

- KEYED NOTES:
- ① EACH SECONDARY OUTPUT LINE CAN POWER 3-5 VAV CONTROLLERS MAXIMUM. (100 VA)
  - ② PRIMARY LINE INFO: 480/277/240/120 Vac, #12 AWG MINIMUM
  - ③ SECONDARY LINE INFO: 24 Vac, #12-26 AWG, 100 VA, MAX LENGTH 175 FEET USING #14 AWG
  - ④ DISCONNECT SWITCH REQUIRED, EXTERNALLY MOUNTED WITHIN 12 INCHES OF RIB POWER SUPPLY
  - ⑤ 500VA POWER SUPPLY - INCLUDED IN RIB MODEL# PSH500A OR APPROVED EQUIVALENT
  - ⑥ ALL SECONDARY LINES MUST BE LABELED IN ENCLOSURE AS TO WHICH VAV'S THEY POWER PRIOR TO ENERGIZING POWER SUPPLY
  - ⑦ A SEPARATE 3 AMP FUSE IS REQUIRED WITHIN 3 FEET OF EACH VAV

VAV BOX POWER SUPPLY DIAGRAM | B1



## AHU-3 SYSTEM DDC POINTS LIST

PANEL LOCATION:

TYPE	POINT NAME	DESCRIPTION	DEVICE
AI	OA-T	OUTSIDE AIR TEMP	SOFTWARE POINT
AI	MA-T	MIXED AIR TEMP	EXISTING
AI	SA-T	SUPPLY AIR TEMP	EXISTING
AI	ZN-T	ZONE TEMP	EXISTING
AI	RA-T	RETURN AIR TEMP	EXISTING
AI	HWS-T	HOT WATER SUPPLY TEMP	EXISTING
AI	SF-PRS	SUPPLY FAN STATIC PRESS	DIFF PRESS TRANSMITTER
AO	MAD-O	RELIEF DAMPER OUTPUT	EXISTING
AO	SF-O	SUP FAN OUTPUT	VFD
AO	CLG-O	COOLING COIL VALVE OUTPUT	EXISTING
AO	HEX-V	HEX VALVE OUTPUT	EXISTING
BI	SF-S	SUPPLY FAN STATUS	EXISTING
BI	HWP-S	HOT WATER PUMP STATUS	EXISTING
BI	LT-A	LOW TEMP ALARM	EXISTING
BI	HS-A	DUCT HI STATIC ALARM	DUCT DIFF PRESS SWITCHES
BI	CHM001-S	DOOR C0008 STATUS	EXISTING
BI	CHM002-S	DOOR S000W STATUS	EXISTING
BO	SF-C	SUPPLY FAN COMMAND	EXISTING
BO	HWP-C	HOT WATER PUMP COMMAND	EXISTING
BO	CHM001-C	DOOR C0008 COMMAND	EXISTING
BO	CHM002-C	DOOR S000W COMMAND	EXISTING

## KEYED NOTES:

- ① SEE AHU START CIRCUIT DETAIL.
- ② LOCATE AS SHOWN ON MECH PLANS.
- ③ EXISTING DEVICE TO REMAIN.
- ④ EXISTING DEVICE TO REMAIN AND BE CONNECTED TO NEW EQUIPMENT.
- ⑤ DAMPER LOCKED OPEN.
- ⑥ DAMPER LOCKED CLOSED.

## GENERAL NOTES:

1. SEE SPECIFICATIONS FOR DEVICE SPECIFICATIONS.
2. ANY DEVICE REQUIRING POWER MUST BE POWERED BY CONTRACTOR.

AHU-3 CONTROLS | B15



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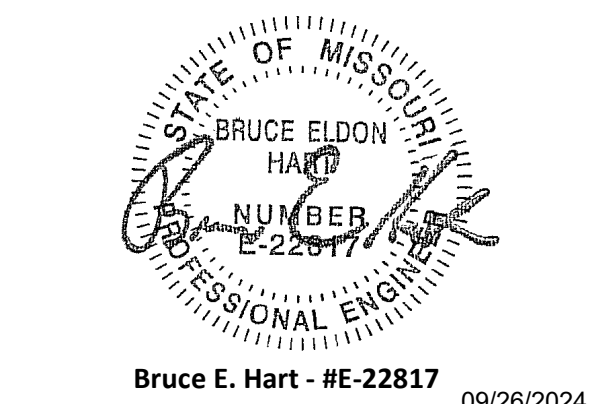
CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING
601 COLLEGE AVE
COLUMBIA, MO 65211

DATE: 09/26/2024
PROJ. NO.: CP242331
DESIGNED BY: IN
DRAWN BY: IN
CHECKED BY: SGB
APPROVED BY: SGB

SEAL:



Bruce E. Hart - #E-22817 09/26/2024

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Table with 3 columns: NO., REVISION SUBMISSION, DATE. Row 0: ISSUED FOR CONSTRUCTION 09/26/2024

PLUMB. & VENT. SCHEDULES

ME600

VAV BOX SCHEDULE - SINGLE DUCT

- NOTES:
1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2. TOTAL AIR PRESSURE DROP OF VAV AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3. REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
4. SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT, 3 - SENSOR WITH OVERRIDE, 4 - SENSOR WITH ADJUSTMENT AND OVERRIDE.
5. HEATING COIL IS BASED ON HEATING AIR FLOW, WATER PRESSURE DROP OF REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS, WHEN LAT "F, EWT "F, AND GPM.
VALUES ARE BLANK, HEATING COIL IS NOT REQUIRED FOR TAB.
6. HEATING COIL SELECTION SHALL BE BASED ON A FIXED LEAVING AIR TEMPERATURE AND VARIABLE FLOW (GPM), PROVIDE FINAL MAXIMUM FLOW RATE (GPM) TO TEST & BALANCE TEMPERATURE CONTROLS CONTRACTORS.
7. PROVIDE PRESSURE INDEPENDENT CONTROL VALVE (PICV) SIZED TO MATCH SUBMITTED COIL GPM.

Table with columns: TAG NAME, AREA SERVED, COOLING MAX, UNOCCUPIED MIN, CFM OCCUPIED MIN, HEATING MAX, HEATING MIN, HEATING COIL (NOTES 5, 6), MIN. INLET SIZE (IN, DIA), CONTROL TYPE (NOTE 3), SENSOR TYPE (NOTE 4), MANUFACTURER, MODEL (NOTES 1, 2), NOTES

LINEAR DIFFUSER SCHEDULE

- NOTES:
1. CONTRACTOR SHALL DETERMINE PROPER MARGIN STYLE TO MATCH CEILING CONSTRUCTION.
2. PROVIDE WITH CONCEALED FASTENERS.
3. PROVIDE WITH OPTIONAL SOUND ATTENUATOR BOOT.

Table with columns: TAG NAME, MATERIAL, SLOT WIDTH, NO. OF SLOTS, PLENUM REQUIRED, PLENUM INSULATION TYPE, PLENUM INLET SIZE, PATTERN CONTROL REQUIRED, BALANCING DAMPER REQUIRED, Border Type, FINISH, MANUFACTURER, MODEL, NOTES

AIR TERMINAL SCHEDULE

- NOTES:
1. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
2. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

Table with columns: TAG NAME, FACE SIZE (IN), TYPE, BORDER (NOTE 1), MATERIAL, FINISH, VOLUME DAMPER REQUIRED, MANUFACTURER, MODEL, NOTES

PLUMBING MATERIAL LIST

Table with columns: TAG NAME, DESCRIPTION, MANUFACTURER AND MODEL

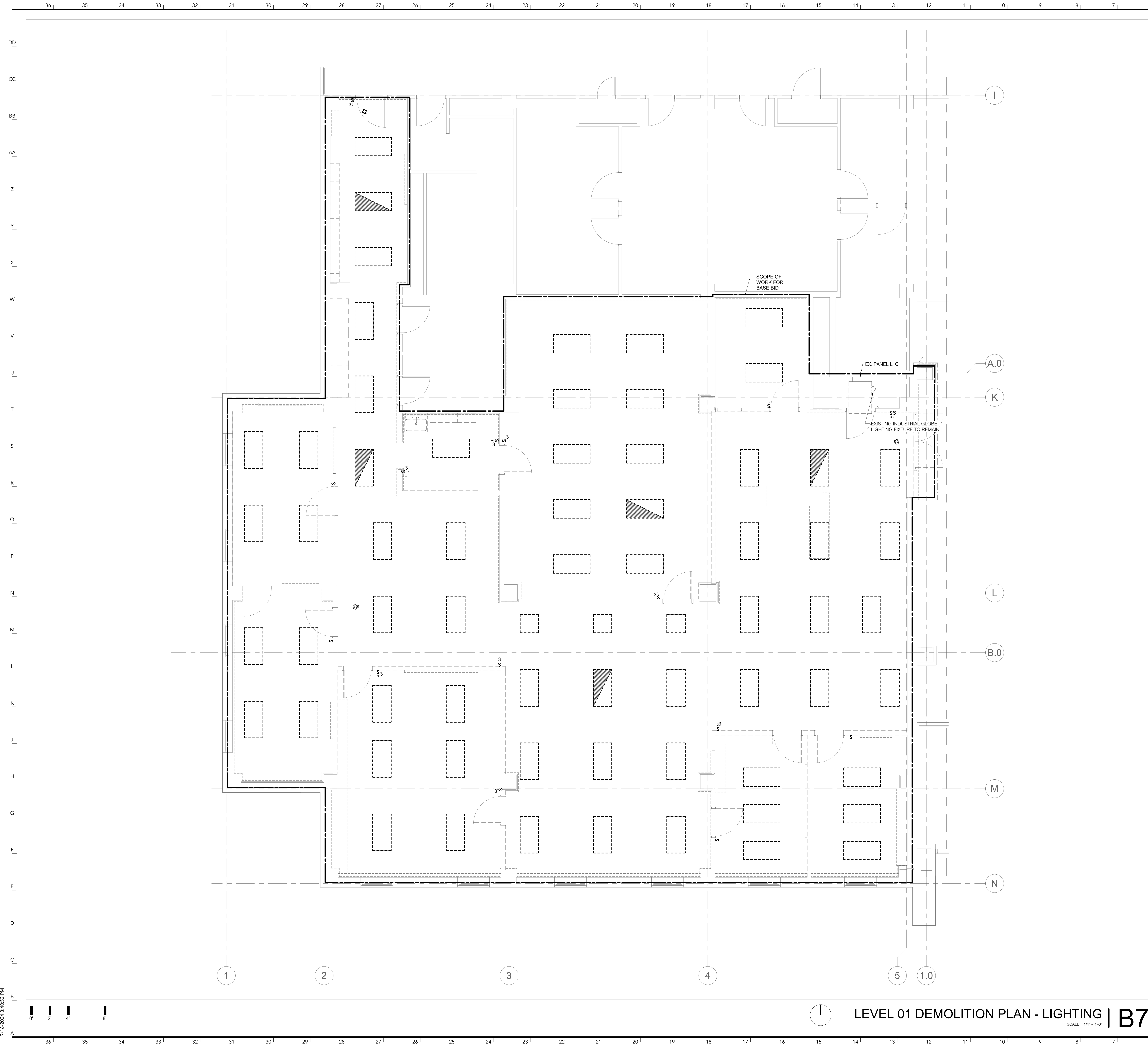
PIPE INSULATION SCHEDULE (HVAC)

- GENERAL NOTES:
1. REFER TO THE SPECIFICATIONS FOR TYPE DESCRIPTIONS AND JACKETING REQUIREMENTS. VALUES LISTED BELOW ARE BASED ON ASHRAE/IECC REQUIREMENTS.
2. TYPE A INSULATION IS NOT ALLOWED IN NON-AIR CONDITIONED SPACES, SUCH AS MECHANICAL ROOMS, EXTERIOR, ATTICS, ETC.
3. TYPE B INSULATION GREATER THAN 1" THICK SHALL BE INSTALLED USING MULTIPLE LAYERS OF 3/4" OR 1" WITH STAGGERED SEAMS.
4. TYPE E IS NOT ALLOWED IN RETURN AIR PLENUMS, UNLESS LISTED AND LABELED AS 25/50 RATED PER ASTM E84/UL723
5. TYPE G 4" SHALL BE INSTALLED IN TWO (2) 2" LAYERS WITH STAGGERED SEAMS.
6. PROVIDE RIGID INSERT AT HANGERS, EITHER PRE-MANUFACTURED COUPLINGS (REFER TO PIPE HANGER AND SUPPORTS SPECIFICATIONS) OR TYPE C, D, OR E INSULATION. SEE SPEC. FOR MORE DETAILS.
7. DIRECT BURIED PIPING SHALL ONLY USE TYPE C OR TYPE E. REDUCTION IN THICKNESS FOR DIRECT BURIED PIPING IS ALLOWED PER ASHRAE/IECC AS APPLICABLE.

Table with columns: PIPE SYSTEM, INSULATION TYPE, INSULATION THICKNESS PER NOMINAL PIPE OR TUBE SIZE, NOTES







**SHEET NOTES:**  
 1. REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.

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**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

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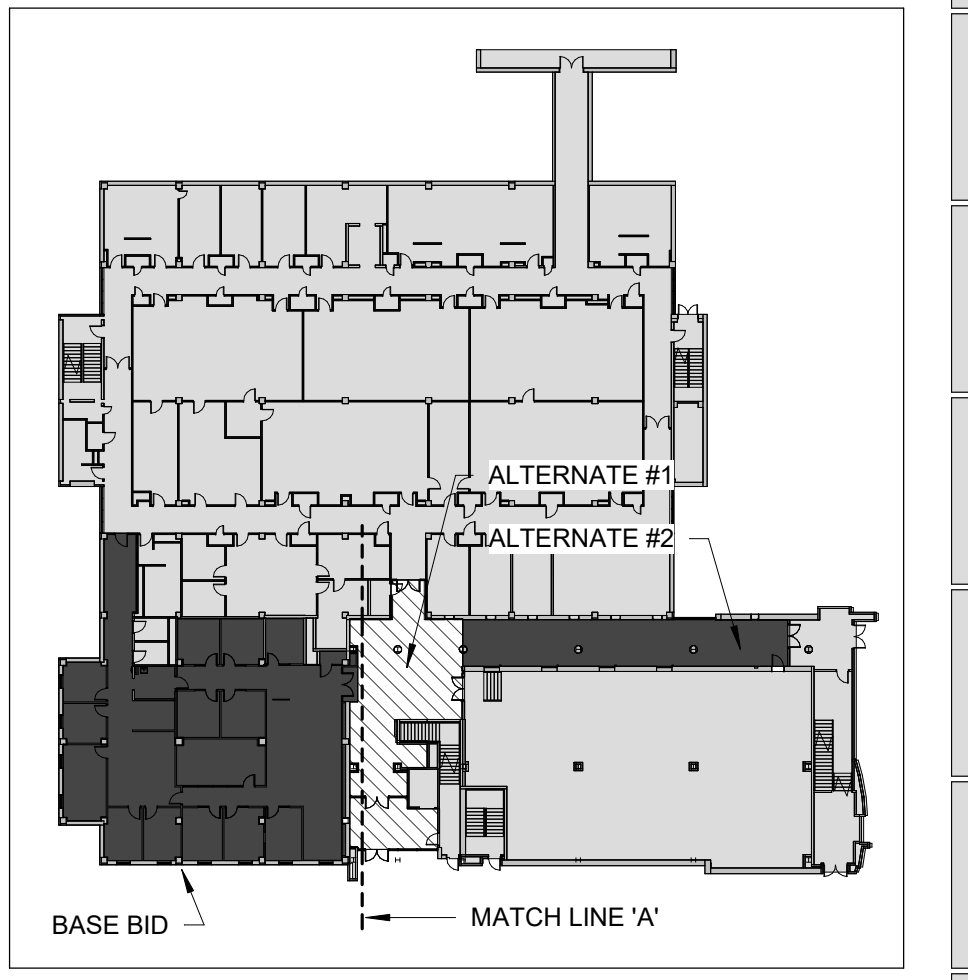
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 CHECKED BY: ZMB  
 APPROVED BY: PLR

SEAL:

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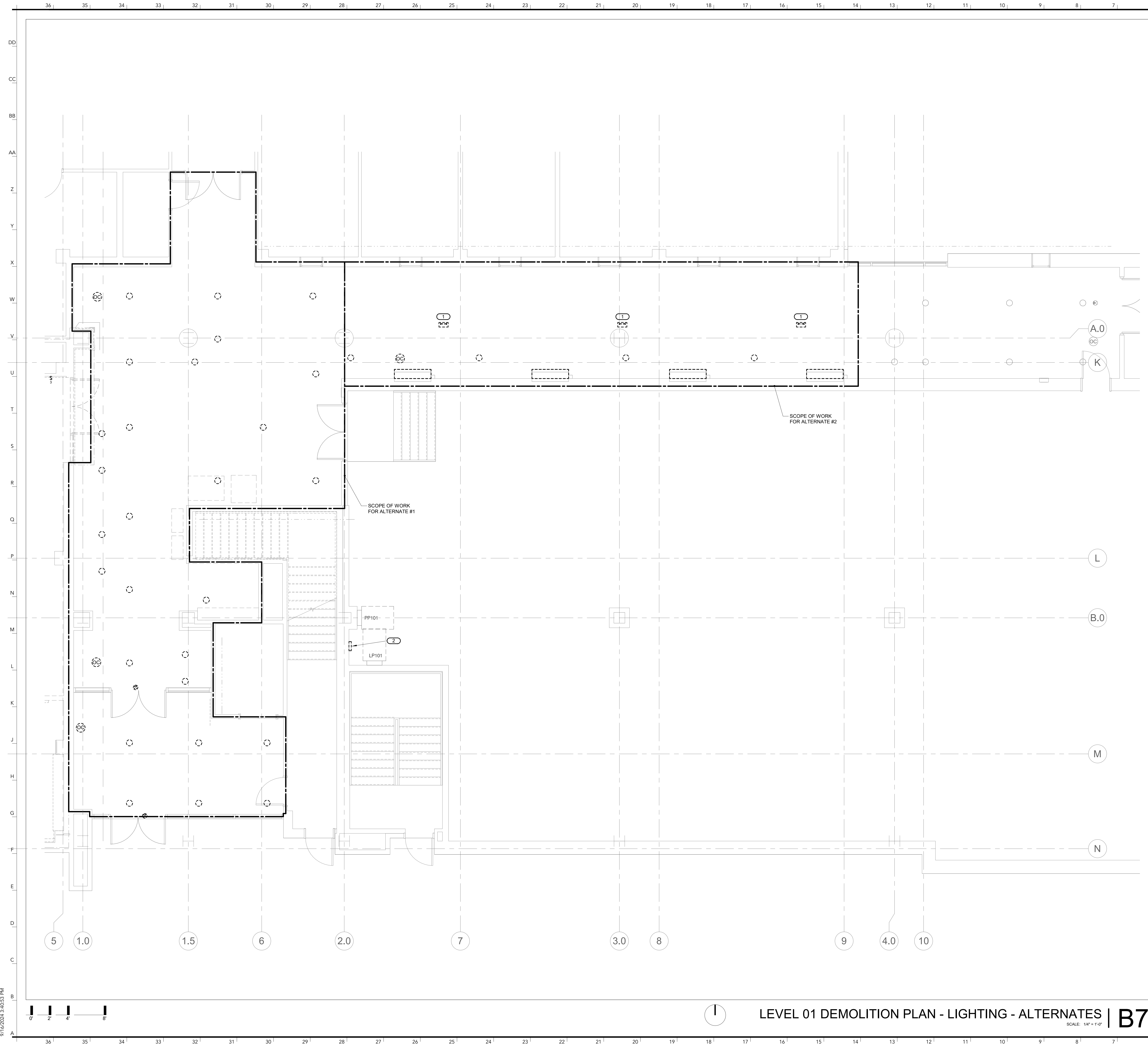


**LEVEL 01 DEMOLITION PLAN - LIGHTING | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - LIGHTING**

**E101**



**SHEET NOTES:**  
 1. REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.

**KEYNOTES:** ( # )  
 1. DISCONNECT AND REMOVE UPLIGHT FIXTURE AND ASSOCIATED WIRE. EXISTING JUNCTION BOX AND ASSOCIATED CONDUIT SHALL REMAIN FOR REUSE.  
 2. DISCONNECT AND REMOVE EXISTING LIGHTING CONTROLS FOR LOBBY AND CORRIDOR LIGHTS. THIS WORK IS APART OF ALTERNATE BID #1.

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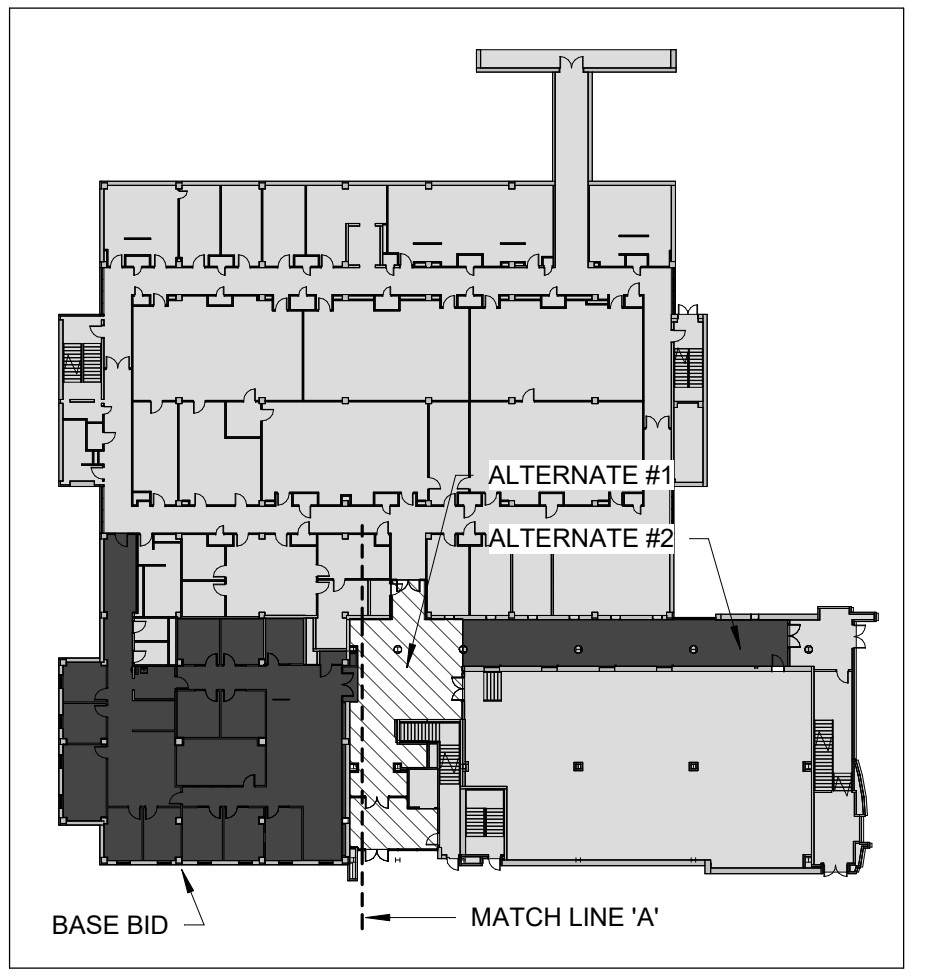
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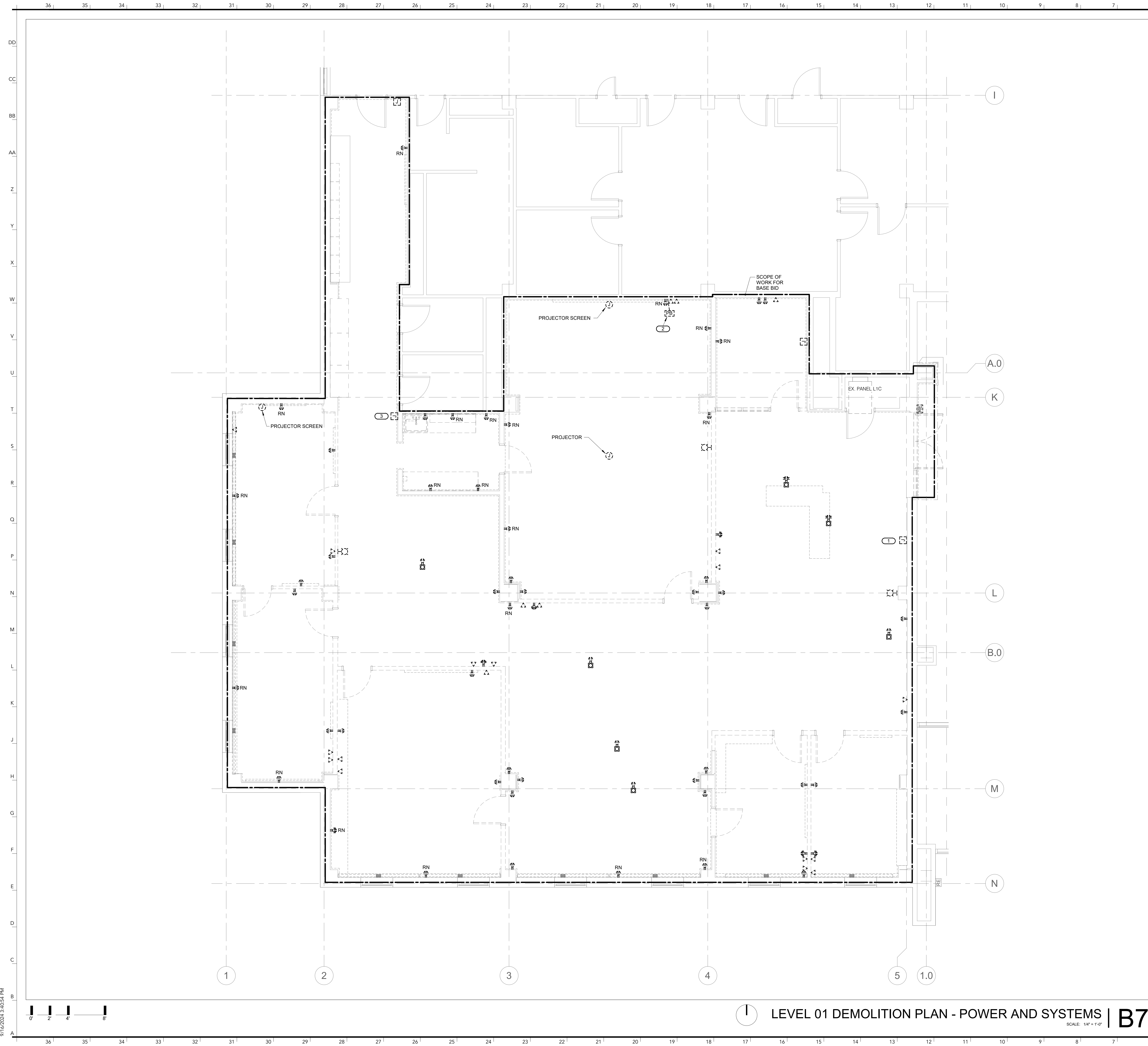
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**LEVEL 01 DEMOLITION PLAN - LIGHTING - ALTERNATES | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - LIGHTING - ALTERNATES E101.1**



**SHEET NOTES:**

- REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.
- ALL POWER DEVICES SHOWN AS DEMOLISHED NOTED WITH 'RN' SHALL HAVE THE EXISTING DEVICE DISCONNECTED AND REMOVED DURING DEMOLITION. THE ASSOCIATED BACK BOX, WIRING AND CONDUIT IN WALL SHALL REMAIN FOR RE-USE.

**KEYNOTES:** ( # )

- DISCONNECT AND SET 'ALERT' DEVICE ASIDE FOR REINSTALLATION INTO SAME PLACE SHOWN ON NEW WORK PLAN.
- DISCONNECT AND REMOVE CONTROL OPERATOR FOR PROJECTOR SCREEN. REMOVE ALL ASSOCIATED WIRE AND CONDUIT BACK TO SOURCE.
- DISCONNECT AND REMOVE EXISTING POWER FOR WATER COOLER AND ASSOCIATED WIRE AND CONDUIT.

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**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

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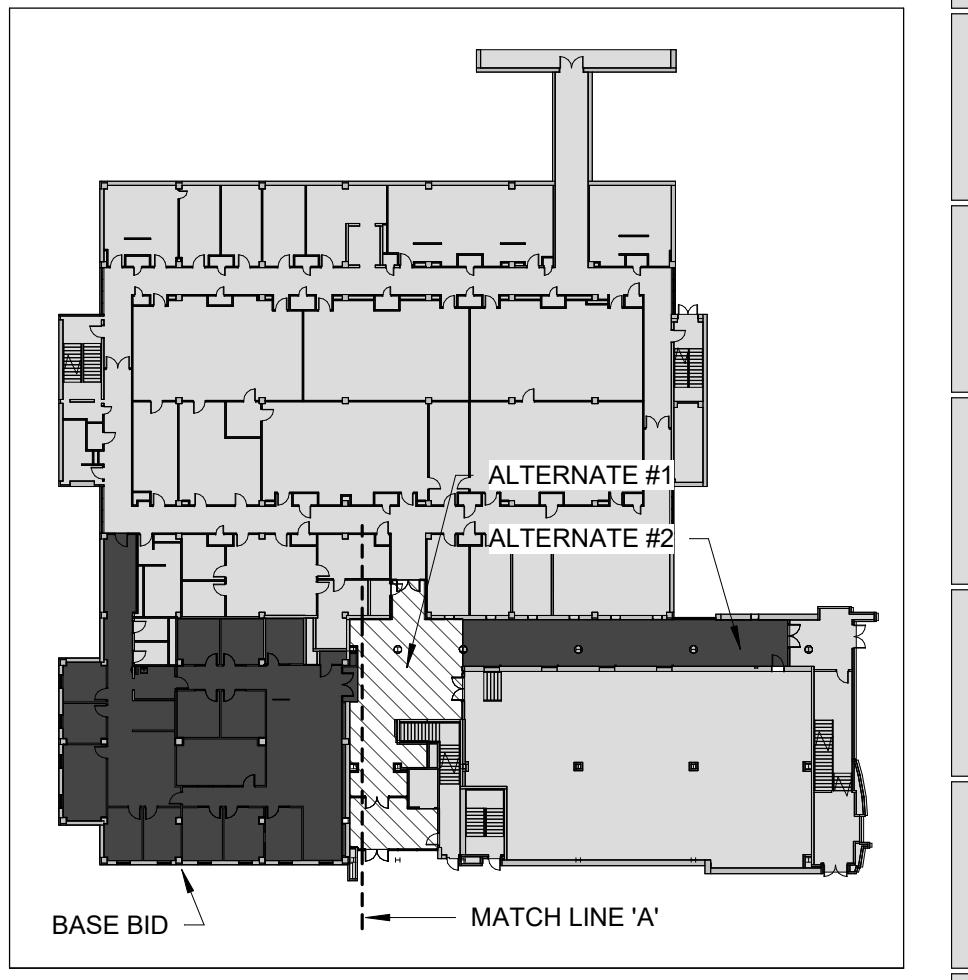
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SEAL:

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**LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS**

**E111**

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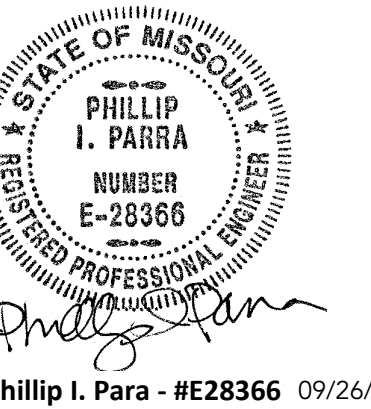
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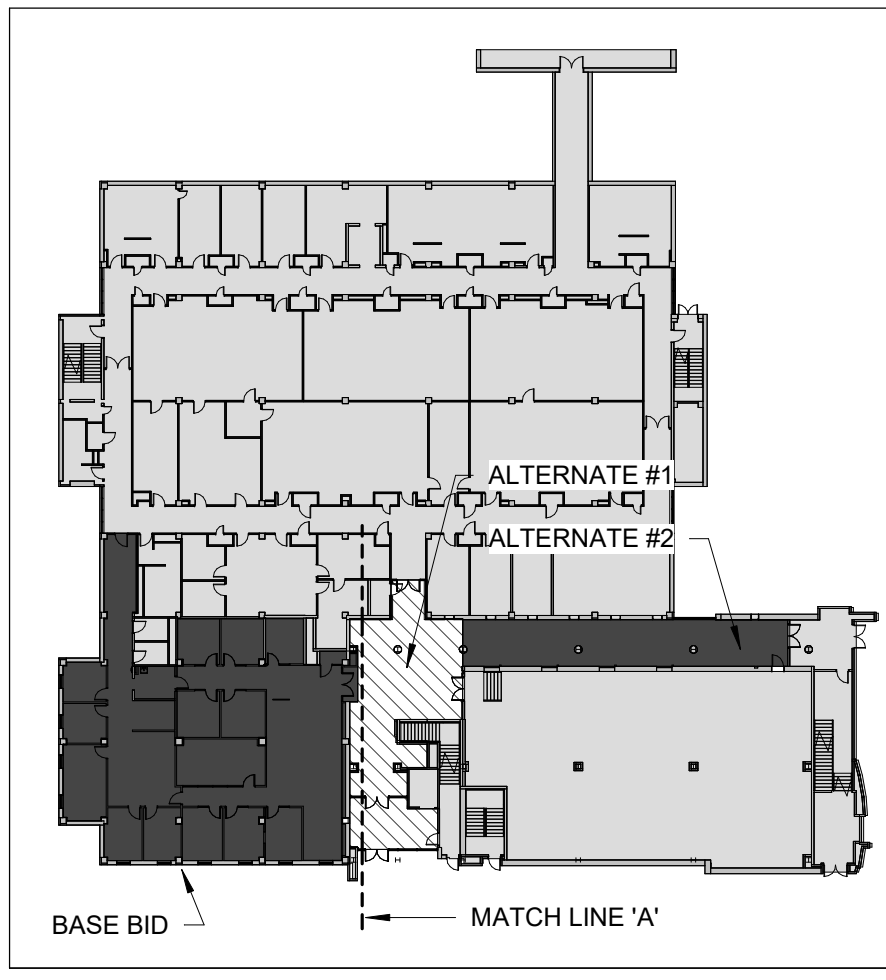
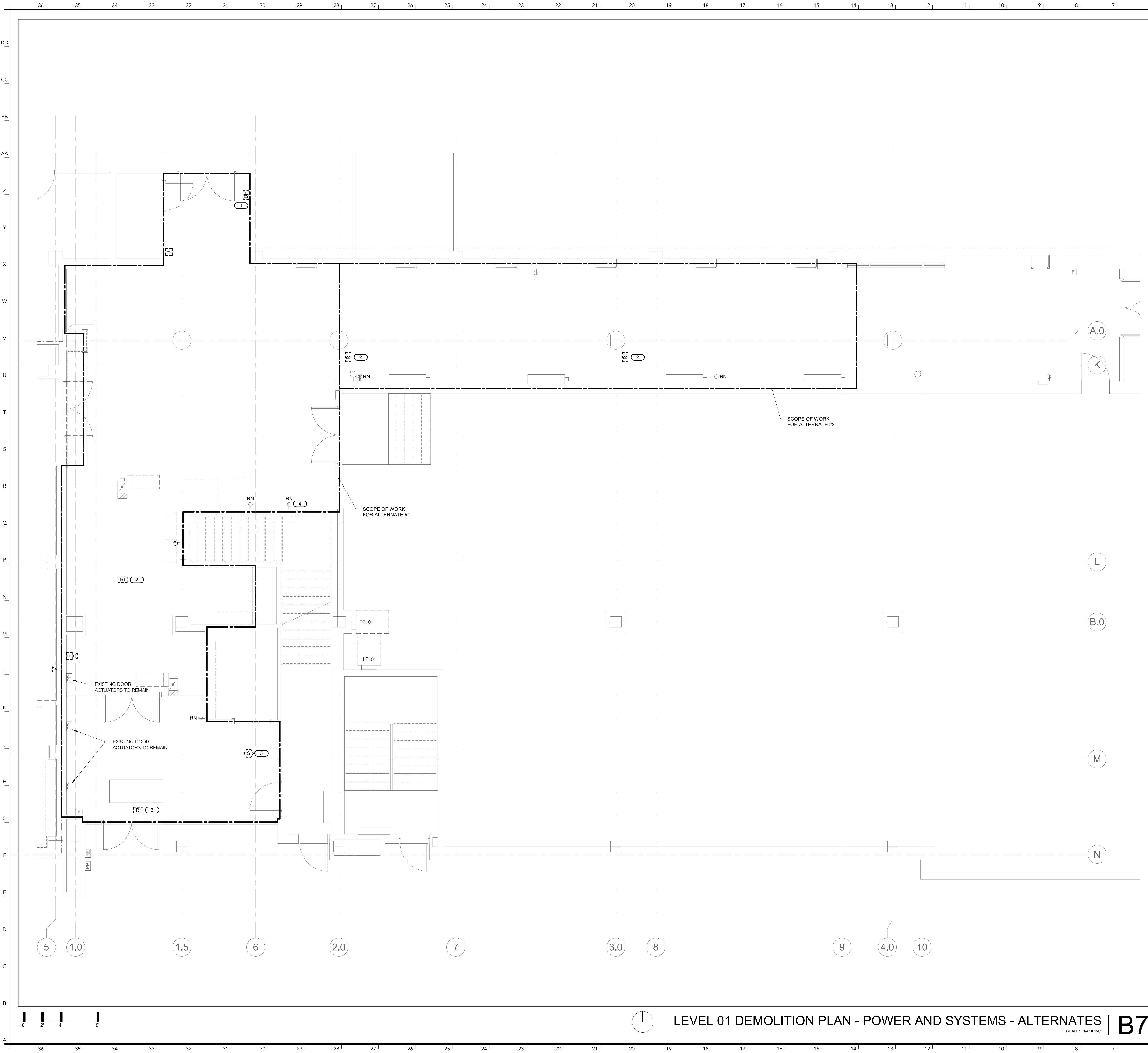
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LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS - ALTERNATES

E111.1

- SHEET NOTES:**
- REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.
  - ALL POWER DEVICES SHOWN AS DEMOLISHED NOTED WITH 'RN' SHALL HAVE THE EXISTING DEVICE DISCONNECTED AND REMOVED DURING DEMOLITION. THE ASSOCIATED BACK BOX, WIRING AND CONDUIT IN WALL SHALL REMAIN FOR RE-USE.
  - EXISTING RECEPTACLES TO REMAIN. FURNISH WITH NEW COVER PLATE.
- KEYNOTES: #**
- DEMOLISH AND REPLACE EXISTING DOOR HOLD. REFER TO THE NEW WORK PLAN SHEET E221.1 FOR NEW DOOR HOLD LOCATION.
  - DISCONNECT AND SET ASIDE EXISTING FIRE ALARM DEVICE. FIRE ALARM DEVICE SHALL BE REINSTALLED IN SAME LOCATION AFTER COMPLETION OF NEW CEILING.
  - DISCONNECT AND SET ASIDE EXISTING FIRE ALARM DEVICE. FIRE ALARM DEVICE SHALL BE REINSTALLED IN SAME LOCATION AFTER REPAIR OF EXISTING CEILING.
  - DISCONNECT DEVICE FROM EXISTING CIRCUIT. DEVICE WILL BE PUT ON NEW DEDICATED CIRCUIT SHOWN ON NEW WORK PLANS.



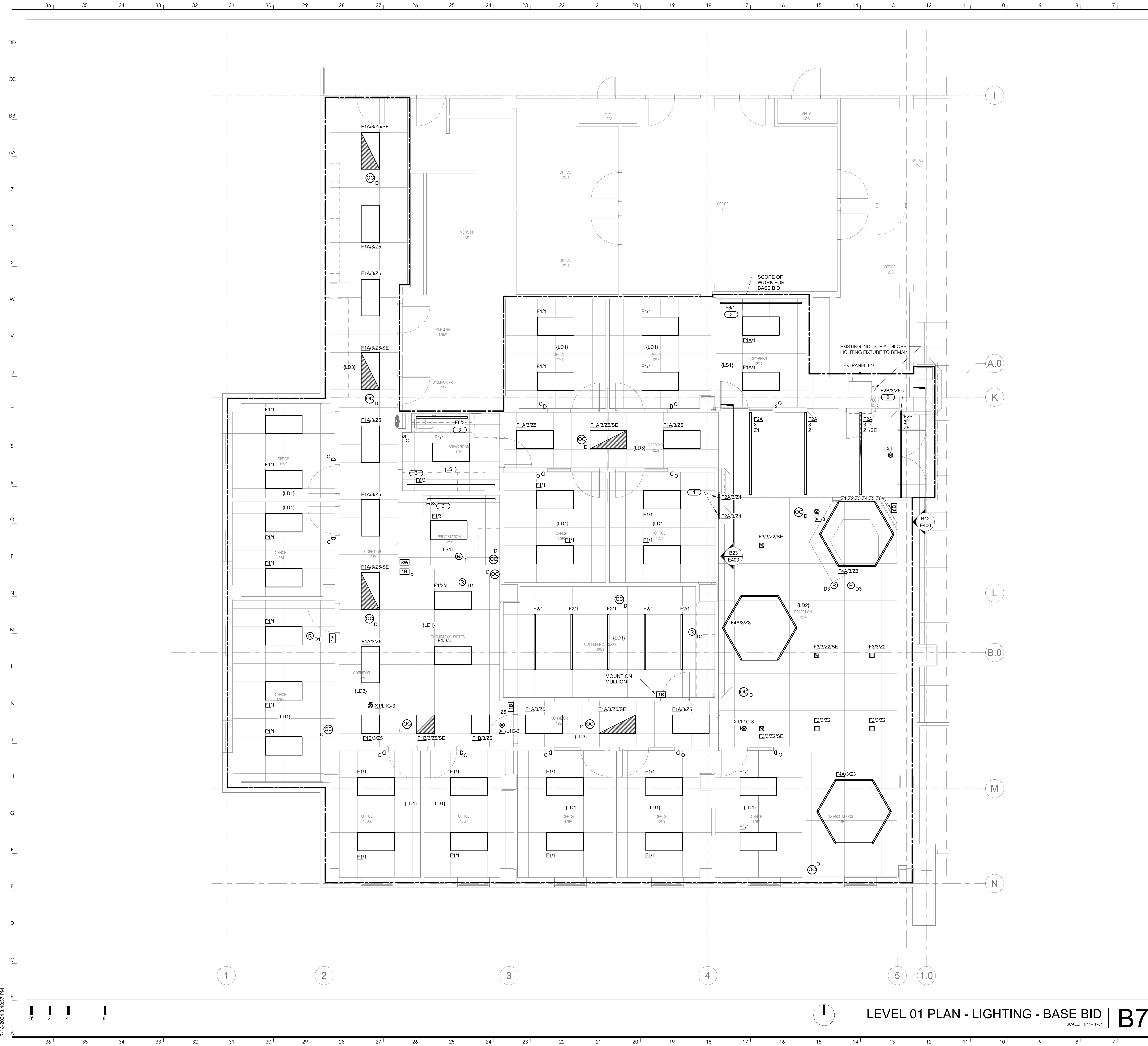
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LEVEL 01 DEMOLITION PLAN - POWER AND SYSTEMS - ALTERNATES | B7

SCALE: 1/4" = 1'-0"

KEY PLAN | B1

SCALE: N.T.S.



- SHEET NOTES:**
- REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.
  - REFER TO ARCHITECTURAL SHEETS TO COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF DEVICES.
  - ALL 120V CIRCUITS SHALL BE CIRCUITED TO AVAILABLE SPARE IN EXISTING PANEL 'L1C' UNLESS NOTED OTHERWISE.
- KEYNOTES:**
- MOUNT ON EDGES OF ANGLED WALL. FIXTURE SHALL BE FLUSH WITH ANGLED WALL. REFER TO DETAIL SHEET B23/E400 FOR ELEVATION SECTION.
  - MOUNT VERTICALLY RECESSED IN WALL. REFER TO DETAIL SHEET B12/E400 FOR ELEVATION SECTION.
  - FOR MORE INFORMATION ON MOUNTING, REFER TO ARCHITECTURAL DETAIL Y14 ON SHEET A613.

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 REF. SCALE IN INCHES PROJECT #23050670.01



**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

**ISSUED FOR CONSTRUCTION**

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
 COLUMBIA, MO 65211

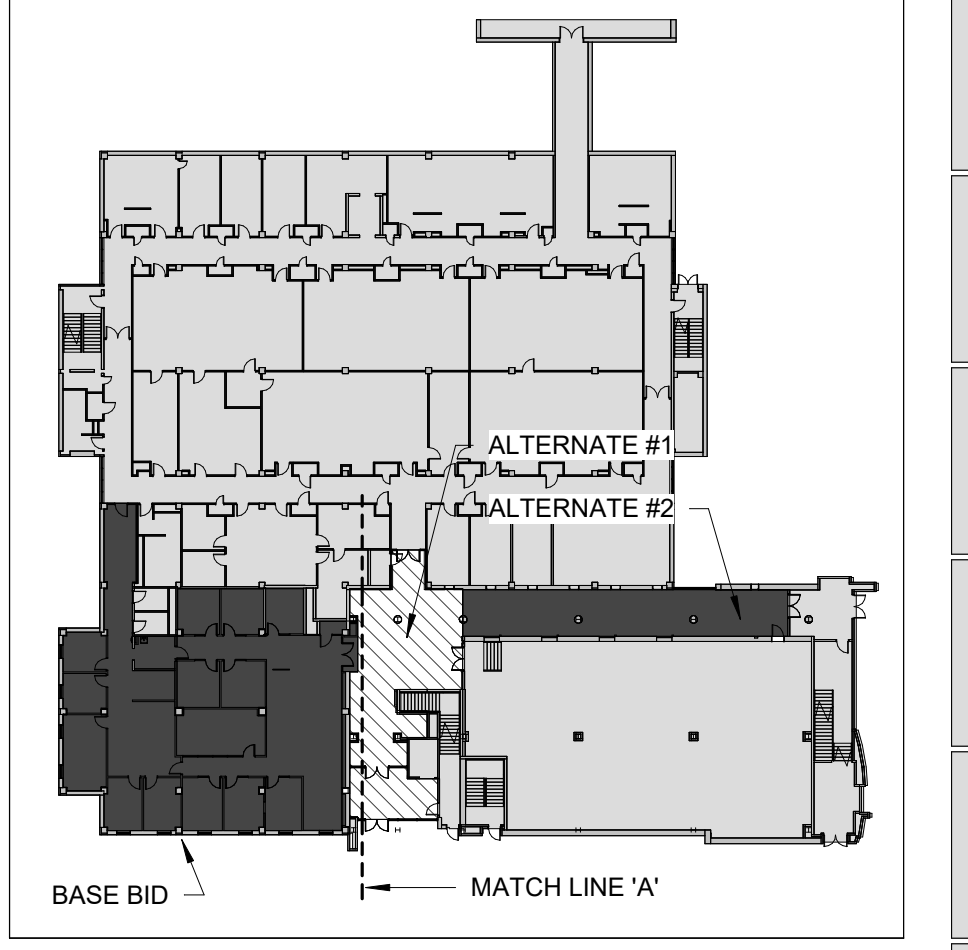
DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: VPM  
 DRAWN BY: VPM  
 CHECKED BY: ZMB  
 APPROVED BY: PLR

SEAL:

Phillip I. Parra - #E28366 09/26/2024

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**LEVEL 01 PLAN - LIGHTING - BASE BID | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

**LEVEL 01 PLAN - LIGHTING**

**E201**

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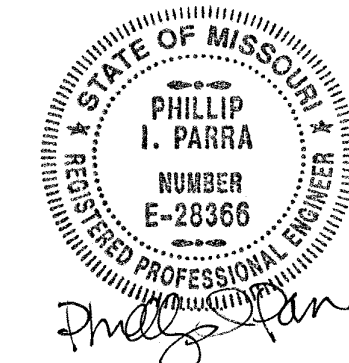
CHEMISTRY  
BUILDING - 1ST  
FLOOR  
RENOVATION

ISSUED FOR  
CONSTRUCTION

125 CHEMISTRY BUILDING  
601 COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: VPM  
DRAWN BY: VPM  
CHECKED BY: ZMB  
APPROVED BY: PLR

SEAL:



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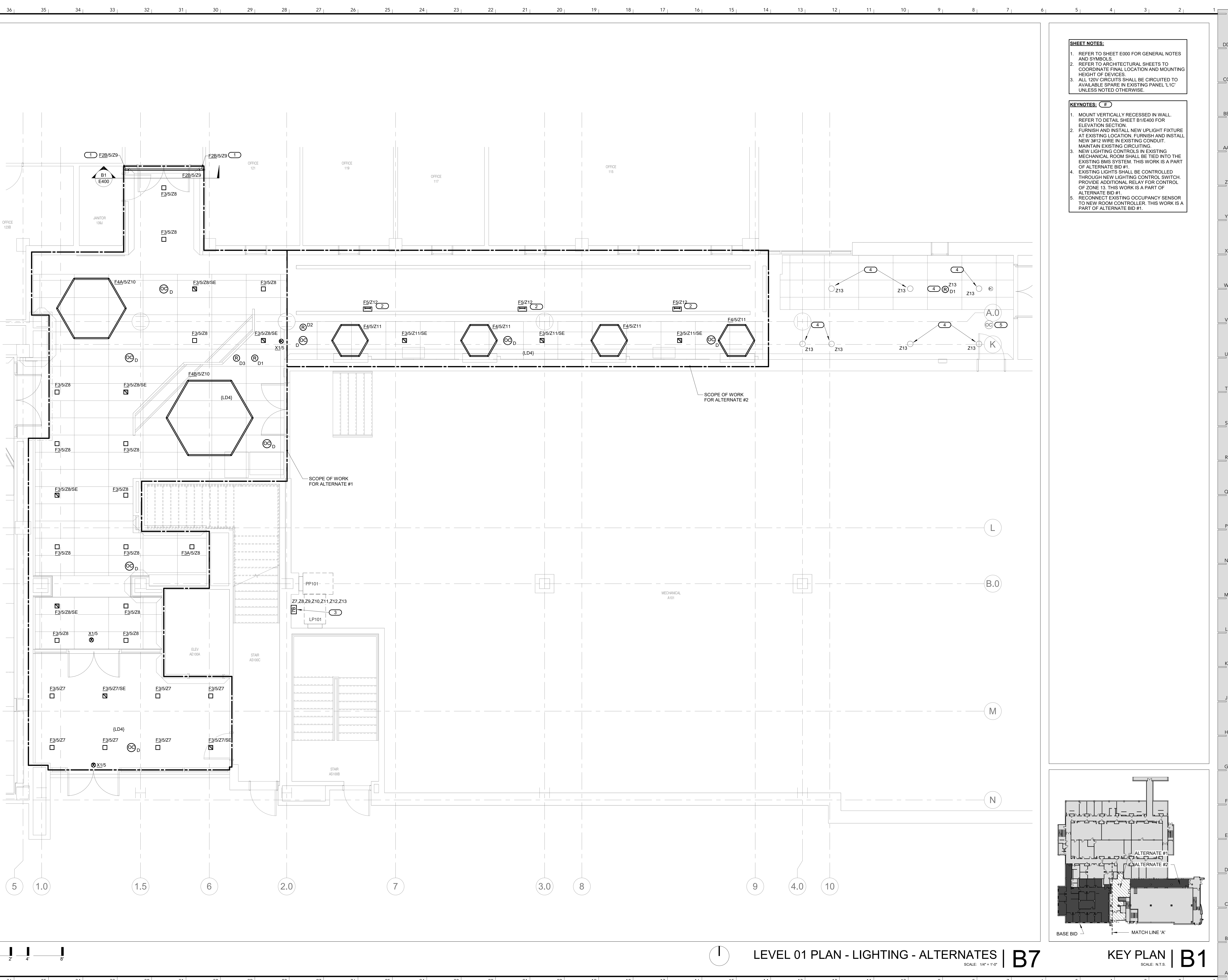
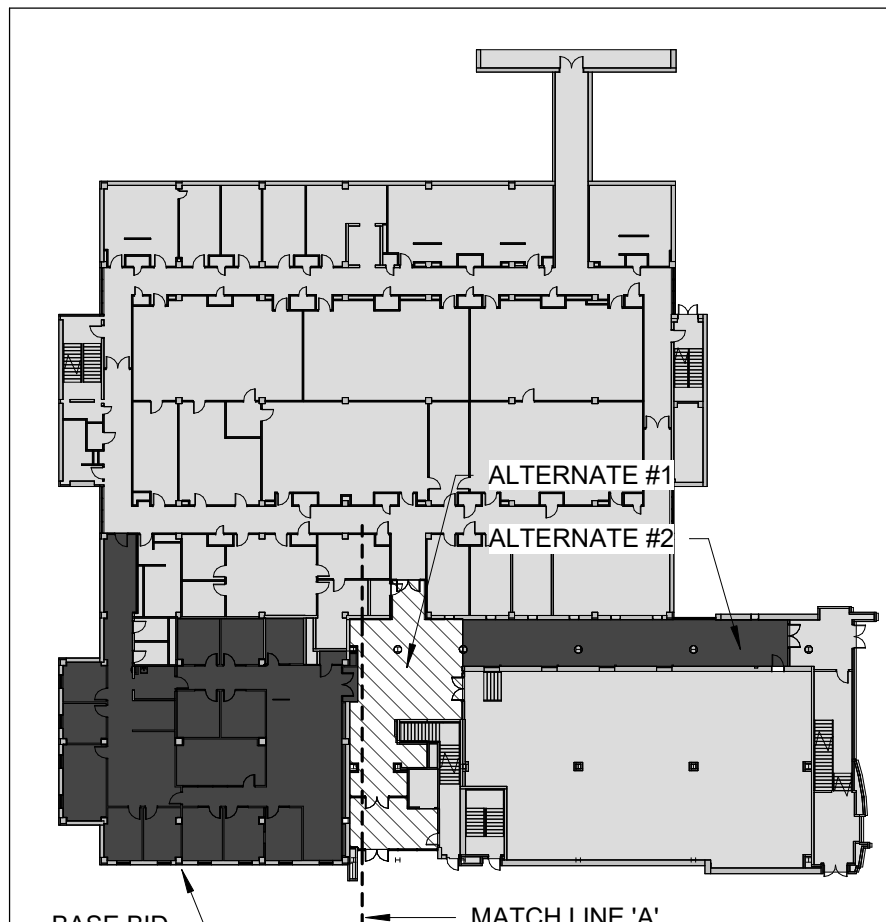
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LEVEL 01 PLAN -  
LIGHTING - ALTERNATES

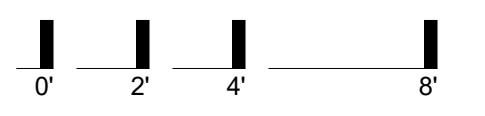
E201.1

- SHEET NOTES:**
- REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.
  - REFER TO ARCHITECTURAL SHEETS TO COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF DEVICES.
  - ALL 120V CIRCUITS SHALL BE CIRCUITED TO AVAILABLE SPARE IN EXISTING PANEL 'L1C' UNLESS NOTED OTHERWISE.

- KEYNOTES: (#)**
- MOUNT VERTICALLY RECESSED IN WALL. REFER TO DETAIL SHEET B1E400 FOR ELEVATION SECTION.
  - FURNISH AND INSTALL NEW UPLIGHT FIXTURE AT EXISTING LOCATION. FURNISH AND INSTALL NEW #12 WIRE IN EXISTING CONDUIT. MAINTAIN EXISTING CIRCUITING.
  - NEW LIGHTING CONTROLS IN EXISTING MECHANICAL ROOM SHALL BE TIED INTO THE EXISTING BMS SYSTEM. THIS WORK IS A PART OF ALTERNATE BID #1.
  - EXISTING LIGHTS SHALL BE CONTROLLED THROUGH NEW LIGHTING CONTROL SWITCH. PROVIDE ADDITIONAL RELAY FOR CONTROL OF ZONE 13. THIS WORK IS A PART OF ALTERNATE BID #1.
  - RECONNECT EXISTING OCCUPANCY SENSOR TO NEW ROOM CONTROLLER. THIS WORK IS A PART OF ALTERNATE BID #1.

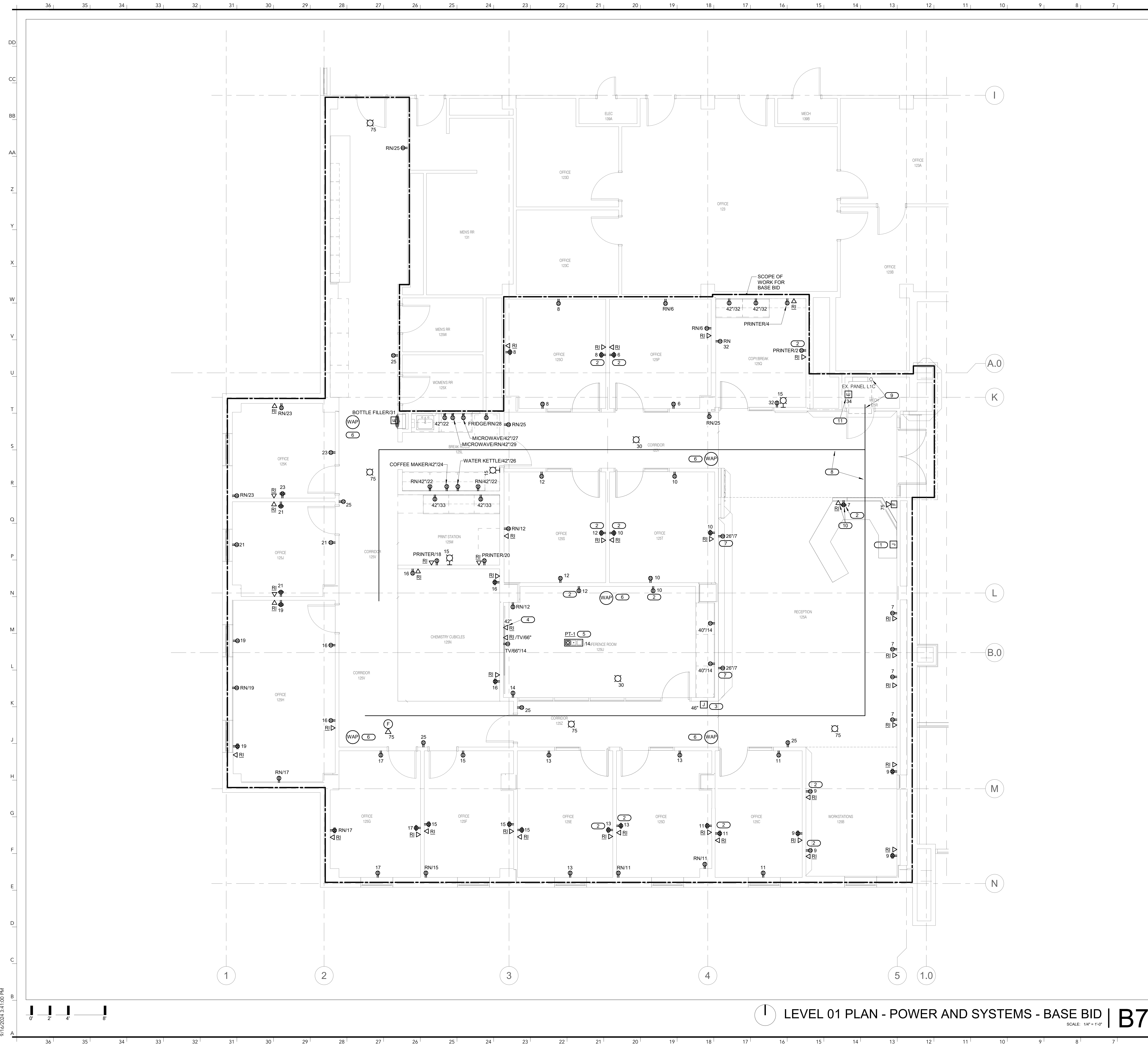


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LEVEL 01 PLAN - LIGHTING - ALTERNATES | B7  
SCALE: 1/4" = 1'-0"

KEY PLAN | B1  
SCALE: N.T.S.



- SHEET NOTES:**
- REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.
  - NEW POWER DEVICES NOTED WITH 'RN' SHALL FURNISH AND INSTALL NEW DEVICE INTO EXISTING JUNCTION BOX.
  - ALL 120V CIRCUITS SHALL BE CIRCUITED TO AVAILABLE SPARE IN EXISTING PANEL 'L1C' UNLESS NOTED OTHERWISE.
  - NEW FIRE ALARM DEVICES SHALL MATCH EXISTING TYPE. TIE INTO EXISTING FIRE ALARM SYSTEM TO REMAIN. COORDINATE WORK WITH FIRE ALARM INSTALLER AND OWNER.
  - E.C. SHALL FURNISH AND INSTALL BACK BOX AND CONDUIT TO NEW DATA DEVICES. E.C. SHALL PULL 2" OWNER PROVIDED CABLES TO EACH DATA DEVICE. OWNER WILL TEST AND TERMINATE.
  - REFER TO ARCHITECTURAL SHEETS TO COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF DEVICES.

- KEYNOTES: (#)**
- REINSTALL EXISTING 'ALERT' DEVICE AT NEW LOCATION ON FURRED WALL. RECONNECT WITH EXISTING CIRCUIT. EXTEND WIRE AND CONDUIT AS REQUIRED.
  - FURNISH WITH GREY DEVICE AND STAINLESS STEEL COVERPLATE.
  - CONTRACTOR SHALL STUB UP 1-1/4" INCH EMPTY CONDUIT INTO CEILING SPACE ABOVE WITH PLASTIC BUSHING WITH PULL STRINGS FOR FUTURE ROOM SCHEDULER. FURNISH AND INSTALL WITH BLANK COVERPLATE. COORDINATE EXACT MOUNTING HEIGHT FOR NEAT BAR WITH OWNER'S REPRESENTATIVE.
  - 4-INCH POKE-THRU. FURNISH WITH TWO (2) DUPLEX RECEPTACLES AND TWO (2) DATA OUTLETS.
  - OWNER FURNISHED CONTRACTOR INSTALLED HOUSING FOR WIRELESS ACCESS POINTS ABOVE CEILING. E.C. SHALL PULL OWNER PROVIDED CABLE AND LEAVE A 10-FOOT COIL AT END FOR FLEXIBILITY. TIE COIL AROUND SIDE OF CABLE TRAY OR NEATLY ABOVE CEILING. FURNISH WITH BLACK DEVICE AND BLACK COVERPLATE.
  - APPROXIMATE ABOVE CEILING CABLE TRAY ROUTING. CABLE TRAY SHALL BE 6-INCHES WIDE AND 2-INCHES DEEP. COORDINATE ROUTING AROUND DUCTWORK AS NEEDED.
  - NEW CABLES SHALL BE ROUTED INTO MECH 125R AND ROUTED DOWN EXISTING CONDUIT INTO IT ROOM 062 IN BASEMENT. VERIFY AVAILABLE SPACE IN EXISTING CONDUITS.
  - CABLING SHALL ROUTE FROM WALL THROUGH MILLWORK TO DEVICE.
  - VAV POWER SUPPLY CABINET. COORDINATE EXACT LOCATION IN MECH 125R WITH MECHANICAL CONTRACTOR.

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**CHEMISTRY BUILDING - 1ST FLOOR RENOVATION**

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
 601 COLLEGE AVE  
 COLUMBIA, MO 65211

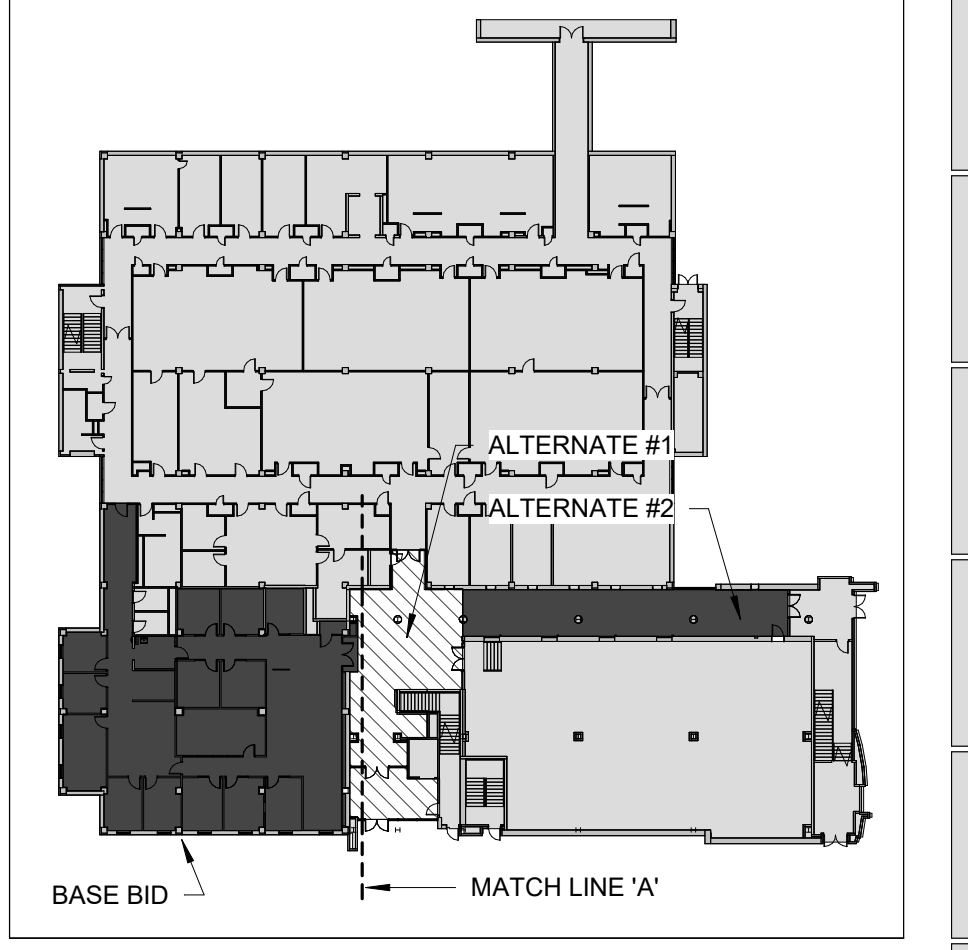
DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: VPM  
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 APPROVED BY: PLR

SEAL:

Phillip I. Parra - #E28366 09/26/2024

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**LEVEL 01 PLAN - POWER AND SYSTEMS - BASE BID | B7**  
 SCALE: 1/4" = 1'-0"

**KEY PLAN | B1**  
 SCALE: N.T.S.

LEVEL 01 PLAN - POWER AND SYSTEMS

**E211**

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CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
601 COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
PROJ. NO.: CP242331  
DESIGNED BY: VPM  
DRAWN BY: VPM  
CHECKED BY: ZMB  
APPROVED BY: PLR

SEAL:  
STATE OF MISSOURI  
PHILLIP I. PARRA  
NUMBER E-28268  
PROFESSIONAL ENGINEER  
Phillip I. Para  
Phillip I. Para - #E28366 09/26/2024

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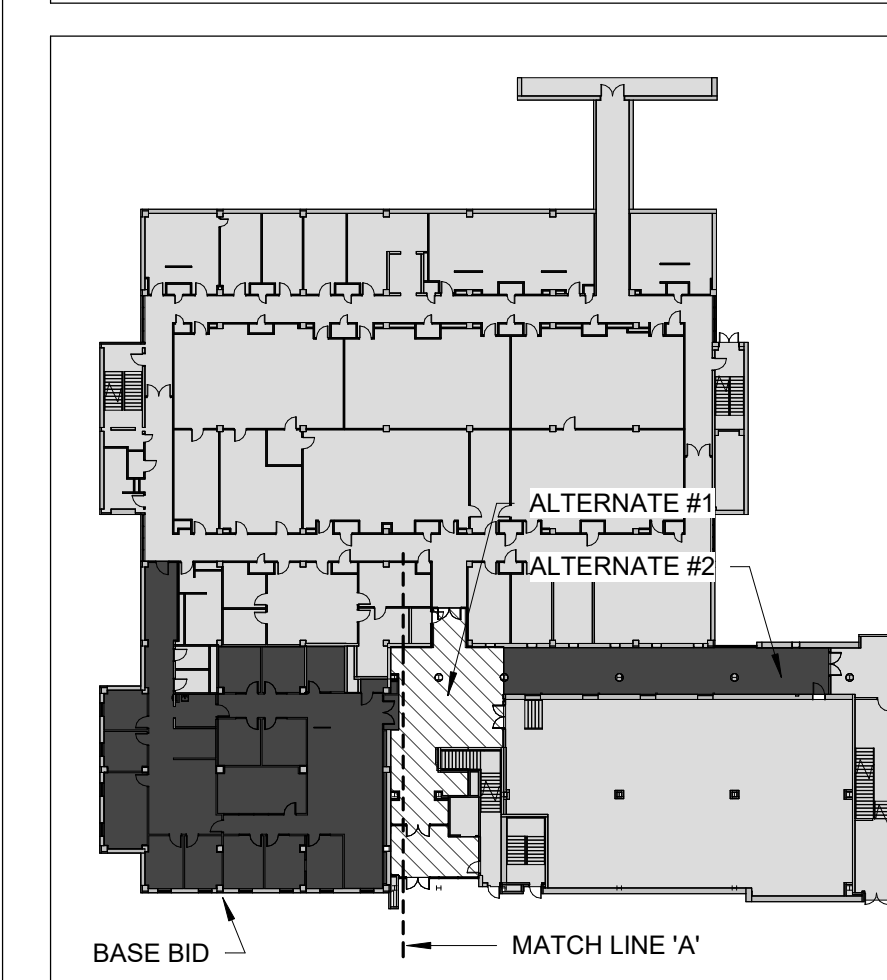
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LEVEL 01 PLAN - POWER AND SYSTEMS - ALTERNATES

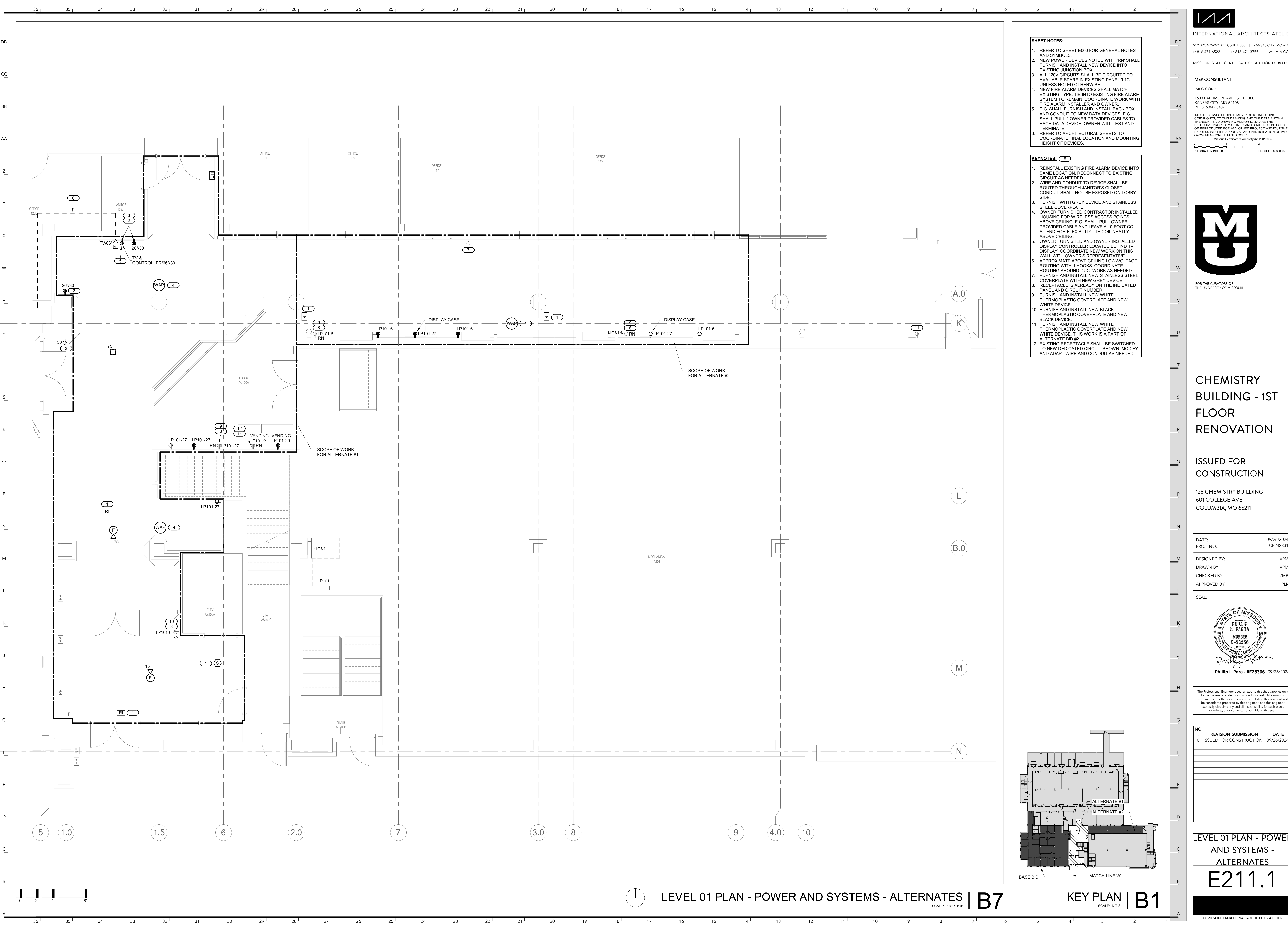
E211.1

**SHEET NOTES:**  
1. REFER TO SHEET E000 FOR GENERAL NOTES AND SYMBOLS.  
2. NEW POWER DEVICES NOTED WITH 'RN' SHALL FURNISH AND INSTALL NEW DEVICE INTO EXISTING JUNCTION BOX.  
3. ALL 120V CIRCUITS SHALL BE CIRCUITED TO AVAILABLE SPARE IN EXISTING PANEL 'L1C' UNLESS NOTED OTHERWISE.  
4. NEW FIRE ALARM DEVICES SHALL MATCH EXISTING TYPE. TIE INTO EXISTING FIRE ALARM SYSTEM TO REMAIN. COORDINATE WORK WITH FIRE ALARM INSTALLER AND OWNER.  
5. E.C. SHALL FURNISH AND INSTALL BACK BOX AND CONDUIT TO NEW DATA DEVICES. E.C. SHALL PULL 2" OWNER PROVIDED CABLES TO EACH DATA DEVICE. OWNER WILL TEST AND TERMINATE.  
6. REFER TO ARCHITECTURAL SHEETS TO COORDINATE FINAL LOCATION AND MOUNTING HEIGHT OF DEVICES.

**KEYNOTES: (#)**  
1. REINSTALL EXISTING FIRE ALARM DEVICE INTO SAME LOCATION. RECONNECT TO EXISTING CIRCUIT AS NEEDED.  
2. WIRE AND CONDUIT TO DEVICE SHALL BE ROUTED THROUGH JANITOR'S CLOSET. CONDUIT SHALL NOT BE EXPOSED ON LOBBY SIDE.  
3. FURNISH WITH GREY DEVICE AND STAINLESS STEEL COVERPLATE.  
4. OWNER FURNISHED CONTRACTOR INSTALLED HOUSING FOR WIRELESS ACCESS POINTS ABOVE CEILING. E.C. SHALL PULL OWNER PROVIDED CABLE AND LEAVE A 10-FOOT COIL AT END FOR FLEXIBILITY. TIE COIL NEATLY ABOVE CEILING.  
5. OWNER FURNISHED AND OWNER INSTALLED DISPLAY CONTROLLER LOCATED BEHIND TV DISPLAY. COORDINATE NEW WORK ON THIS WALL WITH OWNER'S REPRESENTATIVE.  
6. APPROXIMATE ABOVE CEILING LOW-VOLTAGE ROUTING WITH J-HOOKS. COORDINATE ROUTING AROUND DUCTWORK AS NEEDED.  
7. FURNISH AND INSTALL NEW STAINLESS STEEL COVERPLATE WITH NEW GREY DEVICE.  
8. RECEPTACLE IS ALREADY ON THE INDICATED PANEL AND CIRCUIT NUMBER.  
9. FURNISH AND INSTALL NEW WHITE THERMOPLASTIC COVERPLATE AND NEW WHITE DEVICE.  
10. FURNISH AND INSTALL NEW BLACK THERMOPLASTIC COVERPLATE AND NEW BLACK DEVICE.  
11. FURNISH AND INSTALL NEW WHITE THERMOPLASTIC COVERPLATE AND NEW WHITE DEVICE. THIS WORK IS A PART OF ALTERNATE BID #2.  
12. EXISTING RECEPTACLE SHALL BE SWITCHED TO NEW DEDICATED CIRCUIT SHOWN. MODIFY AND ADAPT WIRE AND CONDUIT AS NEEDED.



KEY PLAN | B1



LEVEL 01 PLAN - POWER AND SYSTEMS - ALTERNATES | B7

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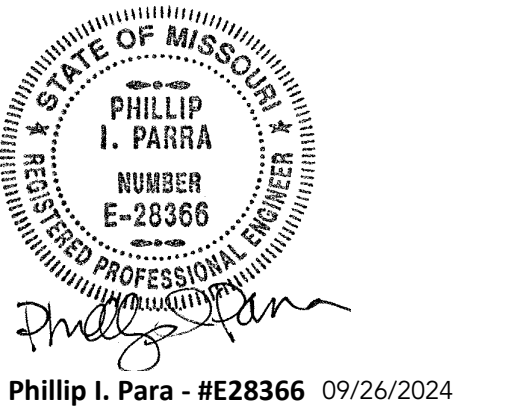
# CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING  
601 COLLEGE AVE  
COLUMBIA, MO 65211

DATE: 09/26/2024  
 PROJ. NO.: CP242331  
 DESIGNED BY: VPM  
 DRAWN BY: VPM  
 CHECKED BY: ZMB  
 APPROVED BY: PLR

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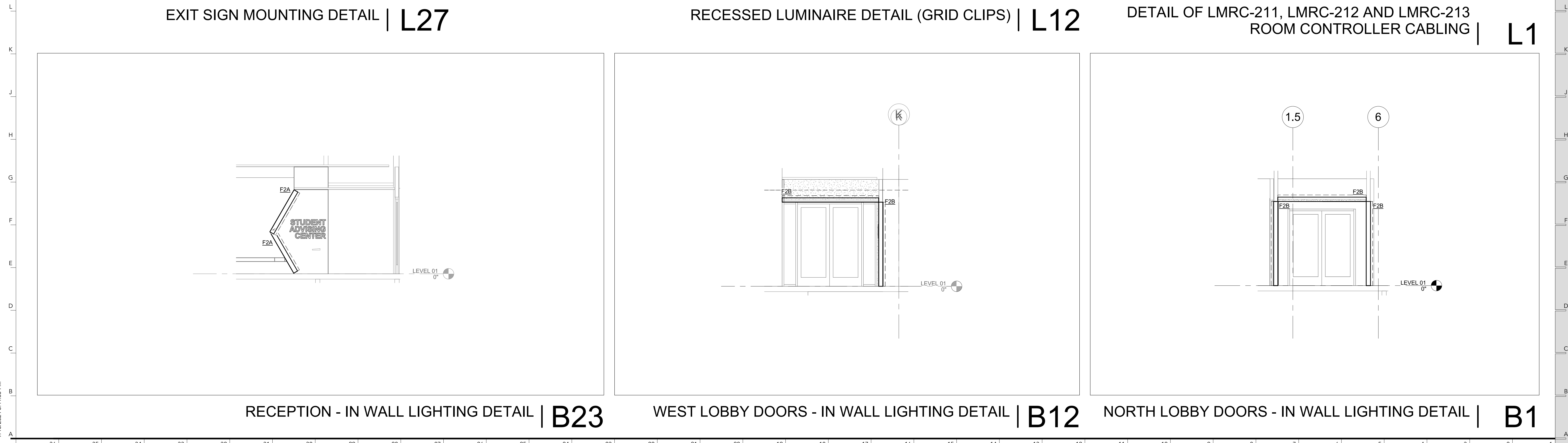
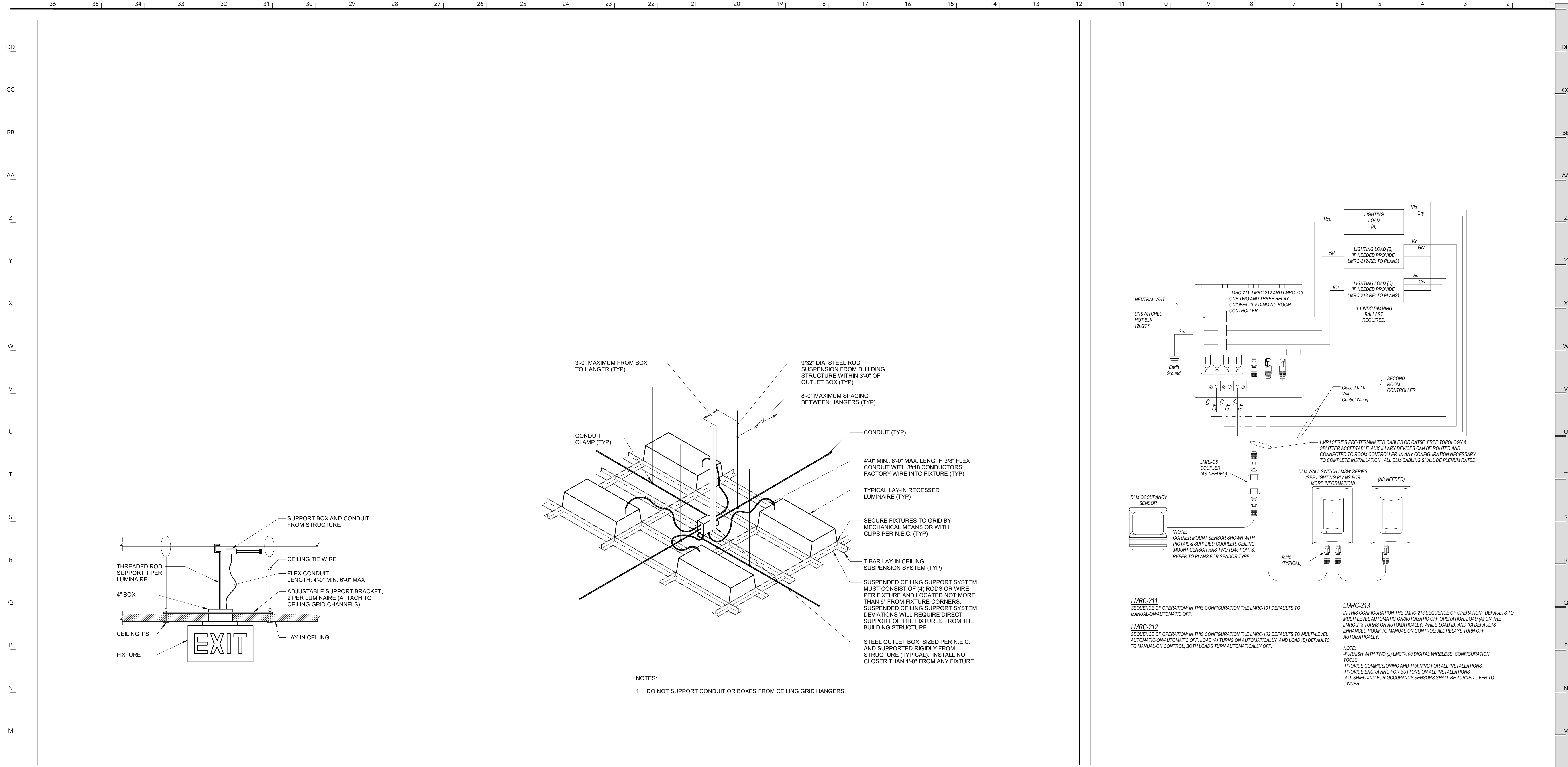


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ELECTRICAL DETAILS

## E400





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CHEMISTRY BUILDING - 1ST FLOOR RENOVATION

ISSUED FOR CONSTRUCTION

125 CHEMISTRY BUILDING
601 COLLEGE AVE
COLUMBIA, MO 65211

DATE: 09/26/2024

PROJ. NO.: CP242331

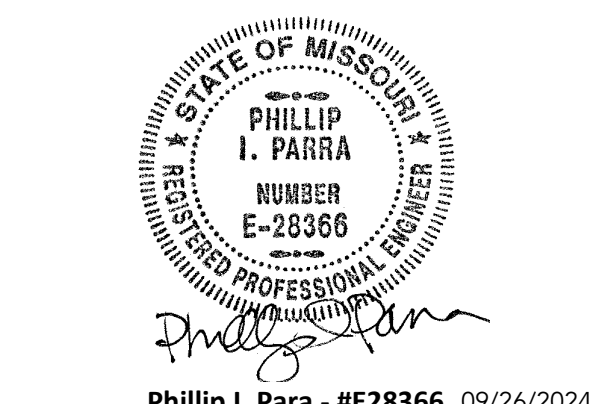
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ELECTRICAL SCHEDULES

E600

LED LUMINAIRE SCHEDULE

Table with columns: (DESC) DOOR, DISTRIBUTION, BEAMWIDTH, (L/L) LENS/LOUVER, FINISH, (MTG) MOUNTING, (WATT) PER, (TYPE) LED. Lists various luminaire specifications.

Table with columns: (TYPE) DRIVER, DIMMING, ADDRESSABLE, MULTIPLE, CATALOG NUMBER, VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.

Table with columns: ITEM, DESCRIPTION, L/L, MTG, DIMENSIONS (L, W, H, DIA), WATT (ANSI WATTS, PER), LED (TYPE, QTY), DELIVERED LUMENS (LMEN), DRIVER (VOLTS, TYPE), MANUFACTURER AND MODEL.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATION SECTIONS LED LIGHTING 26 S1 19 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

EX. PANEL L1C. MOUNTING: SURFACE. ENCLOSURE: NEMA 1. FED FROM: 0 A10P @ LOCATION: ELEC. 63. MAIN: 100 A MCB. VOLTS: 120/208 Wye. PHASE: 3. WIRE: 4. SCRR: 65 kA. ISC UNKNOWN 0.00 kA.

NOTES:

Table with columns: K E Y, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE (P, H, N, G), A, B, C, WIRE SIZE (G, N, H, P), OCPD AMPS, LOAD DESCRIPTION, CKT NO., K E Y. Lists circuit loads and descriptions.

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS\*. Includes Lighting, Power, and Receptacles.

\*TOTAL DEMAND CALCULATES SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL. CIRCUIT KEY NOTES: A - REPLACE EXISTING CIRCUIT BREAKER WITH NEW GFCI RATED CIRCUIT BREAKER.

\*TOTAL DEMAND CALCULATES SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL. CIRCUIT KEY NOTES: A - REPLACE EXISTING CIRCUIT BREAKER WITH NEW GFCI RATED CIRCUIT BREAKER.

EX. PANEL LP101. MOUNTING: SURFACE. ENCLOSURE: NEMA 1. FED FROM: LOCATION: MECHANICAL A101. MAIN: 125 A MLO. VOLTS: 120/208 Wye. PHASE: 3. WIRE: 4. SCRR: 65 kA. ISC UNKNOWN 0.00 kA.

NOTES:

Table with columns: K E Y, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE (P, H, N, G), A, B, C, WIRE SIZE (G, N, H, P), OCPD AMPS, LOAD DESCRIPTION, CKT NO., K E Y. Lists circuit loads and descriptions.

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS\*. Includes Receptacles.

\*TOTAL DEMAND CALCULATES SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL. CIRCUIT KEY NOTES: A - FURNISH AND INSTALL NEW CIRCUIT BREAKER OF SIMILAR TYPE TO EXISTING BREAKERS IN THIS PANEL.

LIGHTING SEQUENCE OF OPERATION

NOTES: 1. (L#) DENOTES THE LIGHTING SEQUENCE OF OPERATIONS FOR THIS SPACE. 2. (B) PUSH BUTTON REFERS TO SCENE QUANTITY. CONTROL STATION SHALL BE CAPABLE OF (RAISE/LOWER AND) SWITCHING ON/OFF FOR MULTIPLE SCENES AS INDICATED ON SHEETS AND THE LIGHTING SEQUENCE OF OPERATIONS (L#). COORDINATE QUANTITIES OF BUTTONS FOR CONTROL STATIONS WITH LIGHTING CONTROL MANUFACTURER. 3. (Z) DENOTES LIGHTING CONTROL ZONE. PROVIDE SEPARATE CONTROL OF EACH CONTROLLED ZONE. LUMINAIRES ASSOCIATED WITH THE SAME ZONE SHALL OPERATE TOGETHER WITHIN THE SAME PROGRAMMED SCENE. 4. a = SWITCH DESIGNATION FOR LIGHTING CONTROL. 5. VERIFY AND COORDINATE ALL TIME CLOCK SETTINGS WITH OWNER PRIOR TO FINAL PROGRAMMING. 6. VERIFY AND COORDINATE ALL PUSH BUTTON WALL DEVICES AND QUANTITIES OF INDIVIDUAL BUTTONS WITH SCENES AND ZONES PER LOCATION. 7. VERIFY AND COORDINATE ALL PUSH BUTTON QUANTITIES AND SCENE NAMES WITH OWNER PRIOR TO SUBMITTING ENGRAVING TEMPLATE TO MANUFACTURER.

Table with columns: PLAN ID, LIGHTING SWITCHED. Lists lighting sequences (LD1) through (LS1) with detailed ON/OFF instructions.