

REPLACE FLOORING & RENOVATE FRONT ENTRANCE MISSOURI GEOLOGICAL SURVEY - BUEHLER BUILDING ROLLA , MISSOURI

OWNER: STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

DEPARTMENT OF
NATURAL RESOURCES

PROJECT
MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN & CONSTRUCTION

DESIGNER: STATE OF MISSOURI
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN & CONSTRUCTION
301 W. HIGH STREET
JEFFERSON CITY, MISSOURI

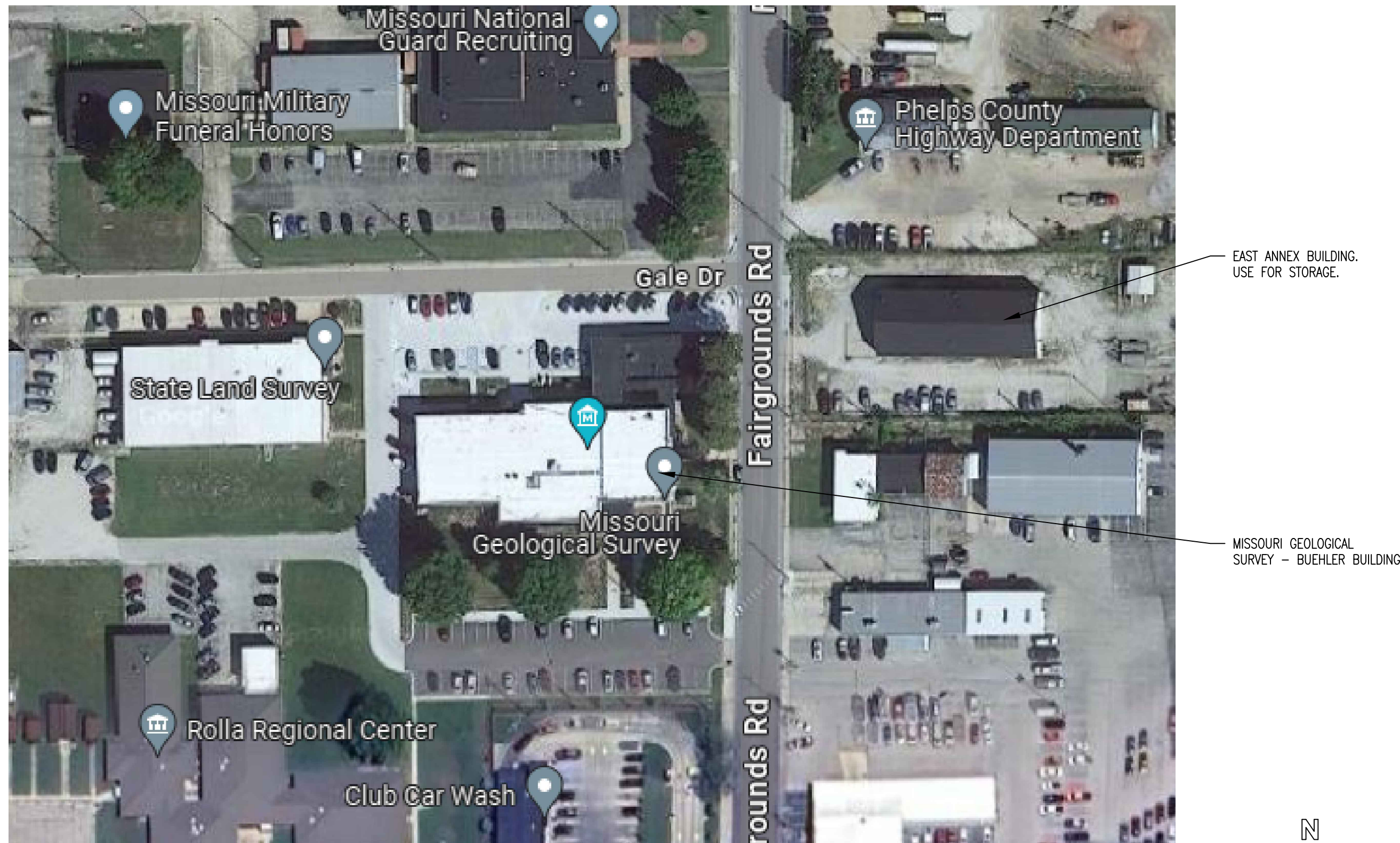
PROJECT NUMBER: W2303-01

ASSET NUMBER: 7815001007

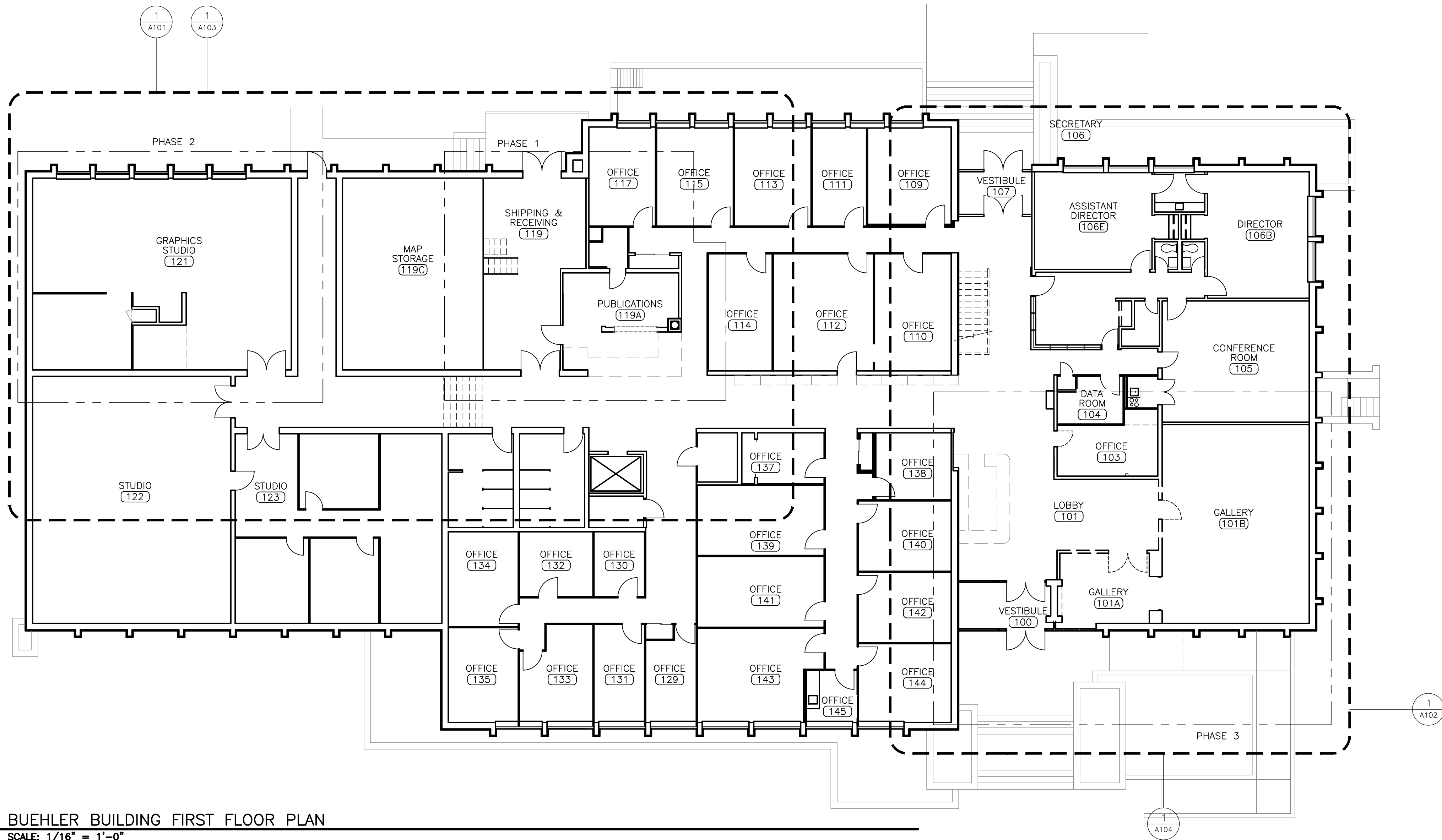
SHEET NUMBER:

G-001

1 OF 18 SHEETS
05/09/2025



1 BUEHLER BUILDING SITE LOCATION
SCALE: N.T.S.



2 BUEHLER BUILDING FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

SHEET INDEX:
G-001 - COVER SHEET G-002 - SHEET INDEX & SITE MAPS ASB101 - ASBESTOS ABATEMENT PLAN ASB501 - ASBESTOS ABATEMENT DETAILS A-101 - DEMOLITION PLAN - PUBLICATIONS & GRAPHICS STUDIO A-102 - DEMOLITION PLAN - FRONT ENTRANCE & GALLERIES A-103 - RENOVATION PLAN - PUBLICATIONS & GRAPHICS STUDIO A-104 - RENOVATION PLAN - FRONT ENTRANCE & GALLERIES A-105 - REFLECTED CEILING PLANS A-201 - PUBLICATIONS ROOM ELEVATIONS A-202 - FRONT ENTRANCE ELEVATIONS A-401 - FURNITURE PLAN - PUBLICATIONS & GRAPHICS STUDIO A-501 - DETAILS A-601 - SCHEDULES F-101 - FIRE PROTECTION PLAN - MAIN FLOOR M-101 - MECHANICAL PLAN MAIN FLOOR E-101 - ELECTRICAL DEMOLITION PLAN MAIN FLOOR E-102 - ELECTRICAL RENOVATION PLAN MAIN FLOOR

GENERAL NOTES:
1. DEMOLITION DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO BIDDING AND/OR CONSTRUCTION.
2. COVER ALL OPENINGS INTO THE BUILDING FROM THE WORK AREA. ENSURE DEBRIS IS REMOVED FROM THE CONSTRUCTION AND DEMOLITION AREA AND AIR BORN DEBRIS IS NOT ALLOWED TO TRAVEL TO THE REMAINDER OF THE BUILDING.
3. PROTECT ALL FIXED EQUIPMENT, FURNITURE, AND FINISHES DURING CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLISHED MATERIAL, AS WELL AS REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
5. RETURN ALL SALVAGED MATERIALS TO OWNER AS REQUESTED IN BID DOCUMENTS.
6. RECYCLE ALL APPLICABLE RECYCLABLE REFUSE OFF SITE.
7. ITEMS TO BE REMOVED AND REPLACED BY THE AGENCY AND COORDINATED WITH THE CONSTRUCTION ADMINISTRATOR INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: PERSONAL BELONGINGS, DIGITAL DISPLAYS AND MEDIA INSTALLATIONS.

BUILDING CODE NOTES:
1. NEW WORK INSTALLATION TO FOLLOW: INTERNATIONAL BUILDING CODE 2024 EDITION (IBC) INTERNATIONAL PLUMBING CODE 2021 EDITION (IPC) NATIONAL ELECTRICAL CODE 2023 EDITION (NEC) NFPA 101 LIFE SAFETY CODE 2024 EDITION (NFPA) NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2025 EDITION 2010 STANDARDS FOR ACCESSIBLE DESIGN (ADA)

LEGEND:
--- SHEET CALLOUT BOUNDARY
--- PHASE BOUNDARY

PROJECT PHASING NOTES:
A. THE WORK WILL BE CONDUCTED IN 3 PHASES.
1. PHASE 1: AREA OF WORK INCLUDES ROOMS LABELED 119 SHIPPING AND RECEIVING, 119A PUBLICATIONS, 119B STORAGE, 116 CORRIDOR, AND 118 CORRIDOR. WORK CONSISTS OF MOVING FURNITURE OUT OF THE AREAS OF WORK PRIOR TO CONSTRUCTION AND BACK IN AFTER CONSTRUCTION, AS DIRECTED BY OWNER; DEMOLITION OF FLOORING, WOOD CASEWORK AND COUNTERTOP, AND INTERIOR WINDOW, AND ASBESTOS ABATEMENT; INSTALLATION OF NEW CARPET TILES, CONCRETE FLOOR POLISH, VINYL WALL BASE, METAL STUD WALLS, GYPSUM BOARD, INTERIOR PAINT, AND OWNER FURNISHED SYSTEMS FURNITURE; SELECTIVE MODIFICATION OF CEILING GRID, FIRE PROTECTION, THERMOSTAT, AIR DIFFUSERS, RECEPTACLES, AND DATA ACCESS POINTS AS NEEDED. THIS PHASE SHALL BE SUBSTANTIALLY COMPLETE, READY FOR OCCUPANCY WITHIN 35 WORKING DAYS OF COMMENCEMENT OF CONSTRUCTION.
2. PHASE 2: AREA OF WORK INCLUDES ROOMS LABELED 121 GRAPHICS STUDIO AND 121A STORAGE. WORK CONSISTS OF MOVING FURNITURE OUT OF THE AREAS OF WORK PRIOR TO CONSTRUCTION AND BACK IN AFTER CONSTRUCTION, AS DIRECTED BY OWNER; DEMOLITION OF FLOORING, REMOVAL OF EXISTING ELECTRICAL FLOOR BOXES, AND ASBESTOS ABATEMENT; INSTALLATION OF NEW CARPET TILES, VINYL WALL BASE, INTERIOR PAINT, OWNER FURNISHED SYSTEMS FURNITURE, POWER AND DATA FOR SYSTEMS FURNITURE. PHASE 1 AND 2 MAY PROCEED SIMULTANEOUSLY AS NEEDED TO ACHIEVE THE MOST EFFICIENT CONSTRUCTION SCHEDULE TO ACCOMMODATE THE ASBESTOS ABATEMENT PHASING. THIS PHASE SHALL BE SUBSTANTIALLY COMPLETE, READY FOR OCCUPANCY WITHIN 70 WORKING DAYS OF COMMENCEMENT OF CONSTRUCTION.
3. PHASE 3: AREA OF WORK INCLUDES ROOMS LABELED 101 LOBBY, 101A GALLERY, 101B GALLERY, 102 CORRIDOR, AND 103 OFFICE. WORK CONSISTS OF MOVING FURNITURE OUT OF THE AREAS OF WORK PRIOR TO CONSTRUCTION AND BACK IN AFTER CONSTRUCTION, AS DIRECTED BY OWNER; DEMOLITION OF SYSTEMS FURNITURE, FLOORING, METAL STUD WALLS, WOOD DOORS, AND ACOUSTIC CEILING TILES; ASBESTOS ABATEMENT; INSTALLATION OF NEW LUXURY VINYL TILE, VINYL WALL BASE, INTERIOR PAINT, SERVICE WINDOW, ACOUSTIC CEILING TILE, AND SUSPENDED GRID T-BAR; RELOCATION OF FIRE PROTECTION, THERMOSTATS, RECEPTACLES, AND LIGHT FIXTURES AS NEEDED. WORK OF PHASE 3 SHALL NOT COMMENCE UNTIL PHASE 1 AND 2 ARE SUBSTANTIALLY COMPLETE. THIS PHASE SHALL BE SUBSTANTIALLY COMPLETE, READY FOR OCCUPANCY WITHIN 150 WORKING DAYS OF COMMENCEMENT OF CONSTRUCTION.

STATE OF MISSOURI
MIKE KEHOE,
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Brad M. Schaefer - Architect
MO# A-2009027294

BID DOCUMENTS

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MISSOURI

GEOLOGICAL SURVEY -
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111 FAIRGROUNDS ROAD
ROLLA, MISSOURI 65401

PROJECT # W2303-01
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DRAWN BY: CL
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DESIGNED BY: CL

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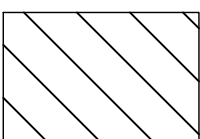
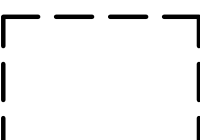

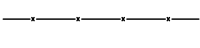
SHEET INDEX &
SITE MAPS

SHEET NUMBER:

G-002

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05/09/2025

LEGEND:

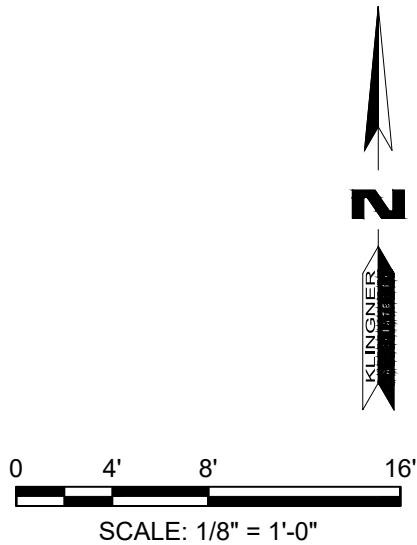
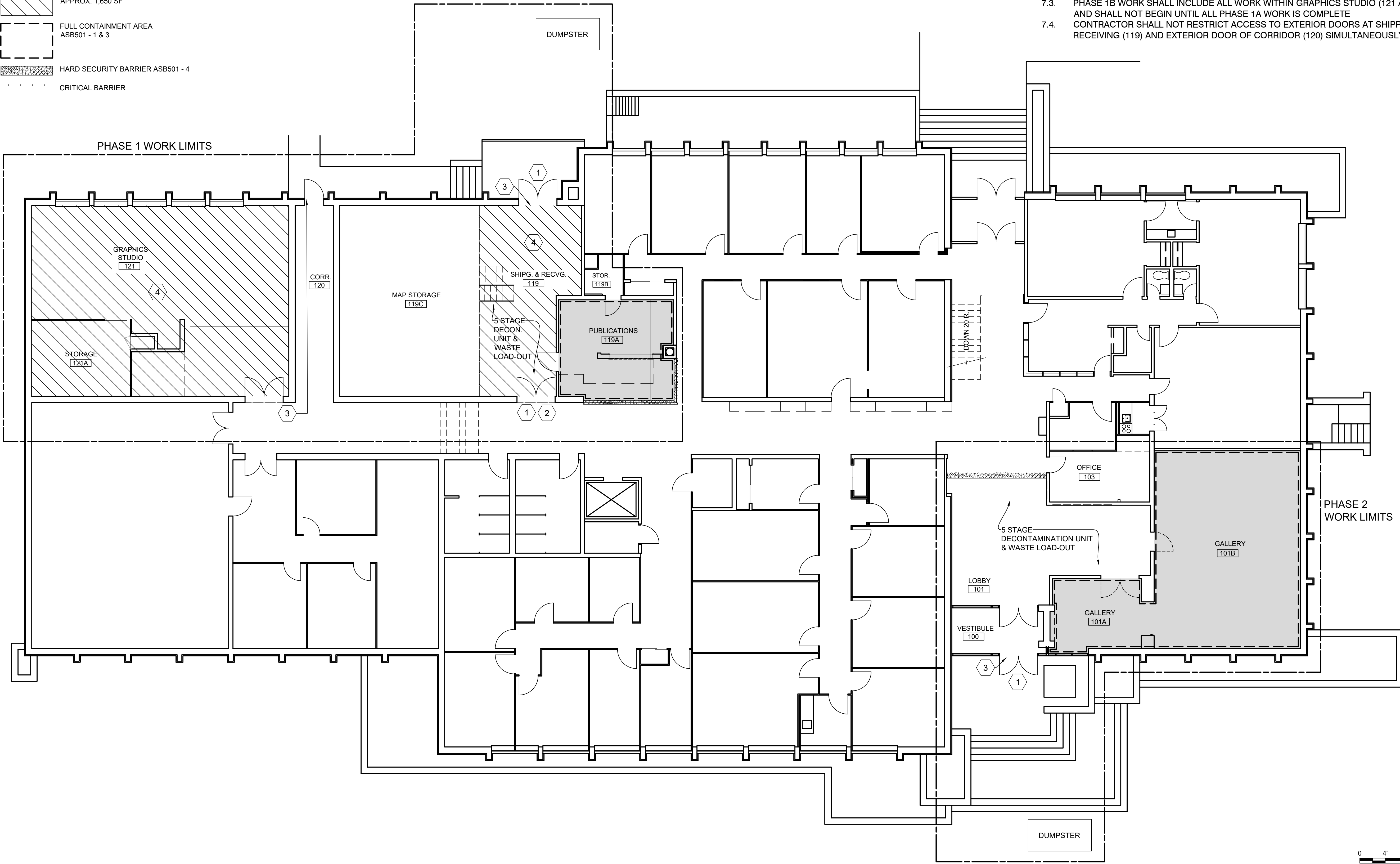
-  MULTI LAYERED FLOORING REMOVAL IN FULL CONTAINMENT - CARPET, CARPET MASTIC (2% CHRYSOTILE), 9X9 FLOOR TILE (2% CHRYSOTILE), TILE MASTIC (2% CHRYSOTILE) APPROX. 1,300 SF
-  NON FRIABLE REMOVAL OF 9X9 FLOOR TILE (2% CHRYSOTILE) AND MASTIC (2% CHRYSOTILE) APPROX. 1,650 SF
-  FULL CONTAINMENT AREA ASB501 - 1 & 3
-  HARD SECURITY BARRIER ASB501 - 4
-  CRITICAL BARRIER

KEYED NOTES:

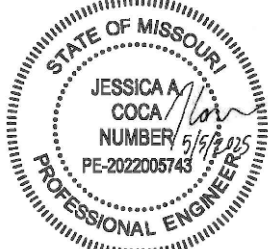
- 1 LOCK DOORS DURING FULL CONTAINMENT ACTIVITIES
- 2 LOCK DOORS DURING NON-FRIABLE ABATEMENT ACTIVITIES
- 3 ROUTE NEGATIVE AIR EXHAUST TO EXTERIOR
- 4 USE CRITICAL BARRIERS ON ALL OPENINGS.

GENERAL SHEET NOTES:

- ALL ASBESTOS ABATEMENT SHALL BE CONDUCTED ACCORDING TO EPA NESHAP AND OSHA REGULATIONS WHERE APPLICABLE AND AS DESCRIBED IN THE PROJECT MANUAL.
- ACM LOCATION, QUANTITY, AND ORIENTATION IS APPROXIMATE.
- ALL ASBESTOS ABATEMENT SHALL BE CONDUCTED IN REGULATED AREAS.
- PREVENT ACCESS BY THE PUBLIC TO ALL PATHS FOR ASBESTOS ABATEMENT WORKERS AND WASTE LOAD OUT BY EITHER A HARD SECURITY BARRIER OR CRITICAL BARRIERS AND LOCKED DOORS AS APPLICABLE.
- DURING CONSTRUCTION OF SEPARATION BARRIERS AND CONTAINMENTS, THE CONTRACTOR SHALL EXERCISE DUE CAUTION TO PREVENT DISTURBANCE OF ACMB DURING THE PLACEMENT OF THE BARRIERS.
- PROTECT FROM DAMAGE ALL FINISH SURFACES INCLUDING BUT NOT LIMITED TO WALLS, FLOORS, CEILINGS, BUILDING COMPONENTS AND CONTROLS WHICH ARE NOT SPECIFIED FOR REMOVAL. CONTRACTOR SHALL RESTORE ALL SURFACES TO ORIGINAL CONDITION EXCEPT FOR THOSE SPECIFIED FOR REMOVAL.
- PROJECT SHALL BE COMPLETED IN PHASES AS DESCRIBED BELOW.
 - PHASE 1 WORK SHALL BE COMPLETED FIRST. PHASE 2 WORK SHALL BE COMPLETED AFTER PHASE 1 IS COMPLETE AND SHALL INCLUDE AN ADDITIONAL MOBILIZATION. PHASE 1A WORK SHALL INCLUDE ALL WORK WITHIN SHIPPING AND RECEIVING (119) AND PUBLICATIONS (119A). PHASE 1A WORK SHALL BE COMPLETED BEFORE PHASE 1B WORK BEGINS.
 - PHASE 1B WORK SHALL INCLUDE ALL WORK WITHIN GRAPHICS STUDIO (121 AND 121A) AND SHALL NOT BEGIN UNTIL ALL PHASE 1A WORK IS COMPLETE
 - CONTRACTOR SHALL NOT RESTRICT ACCESS TO EXTERIOR DOORS AT SHIPPING AND RECEIVING (119) AND EXTERIOR DOOR OF CORRIDOR (120) SIMULTANEOUSLY.



STATE OF MISSOURI
MIKE KEHOE,
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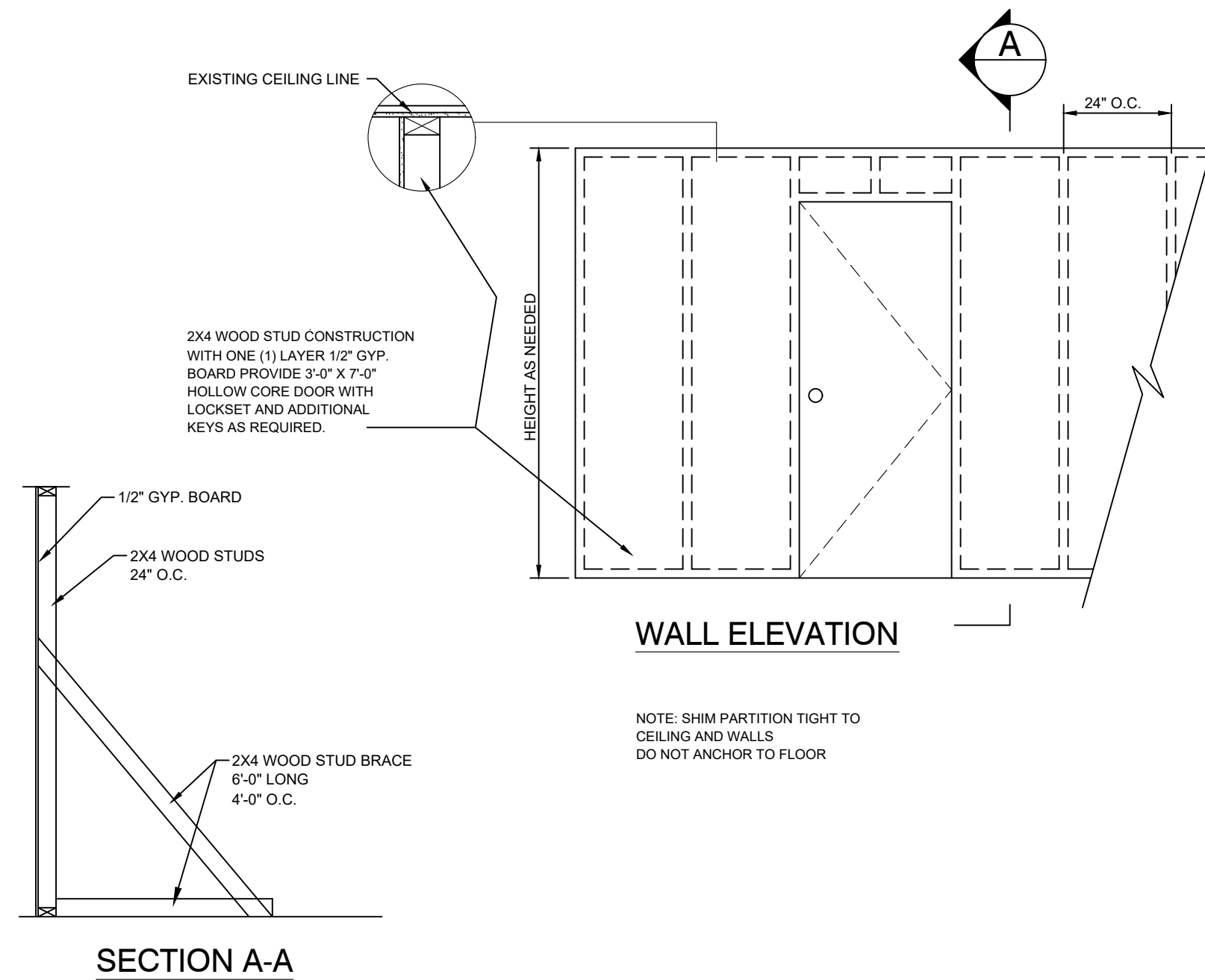
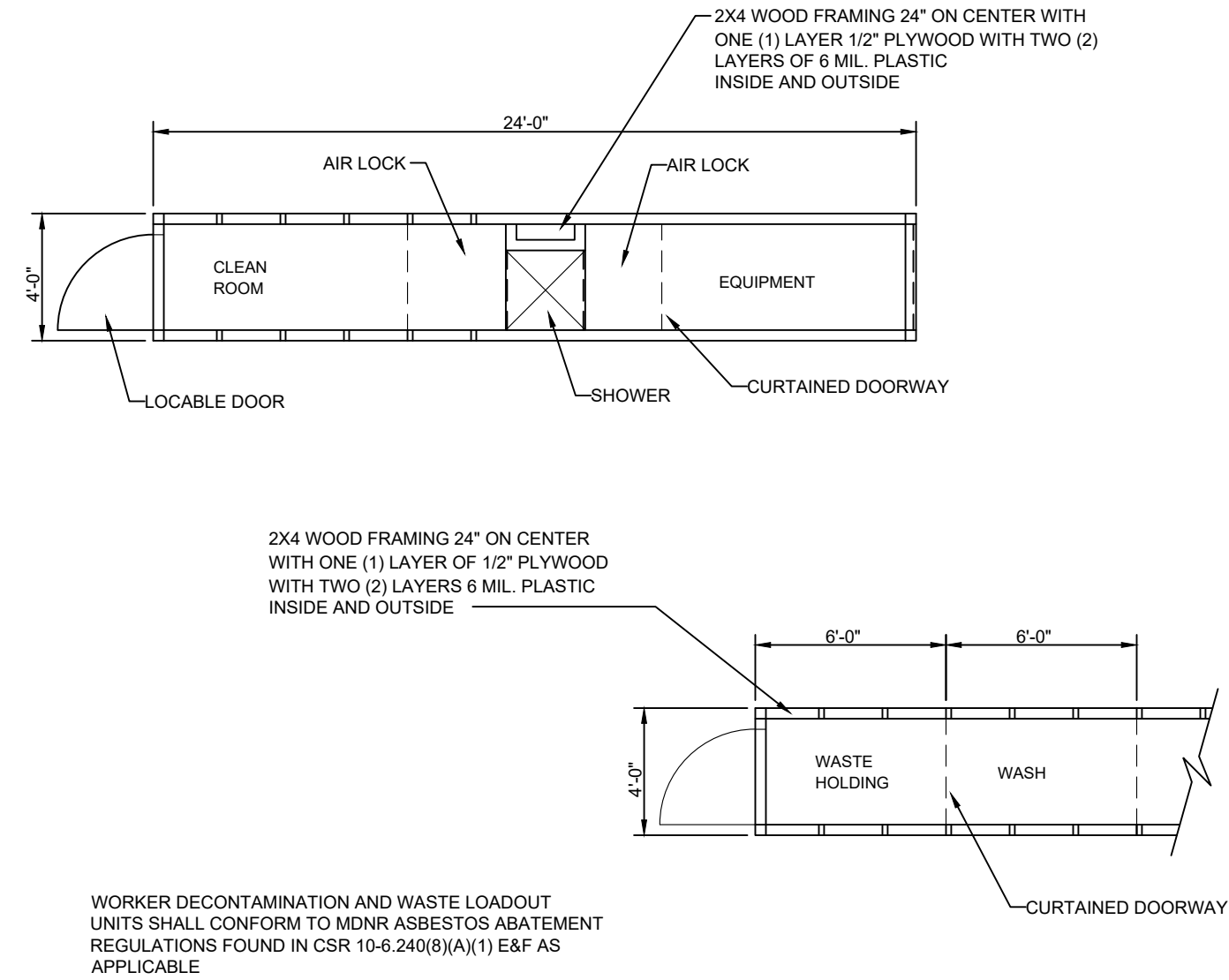
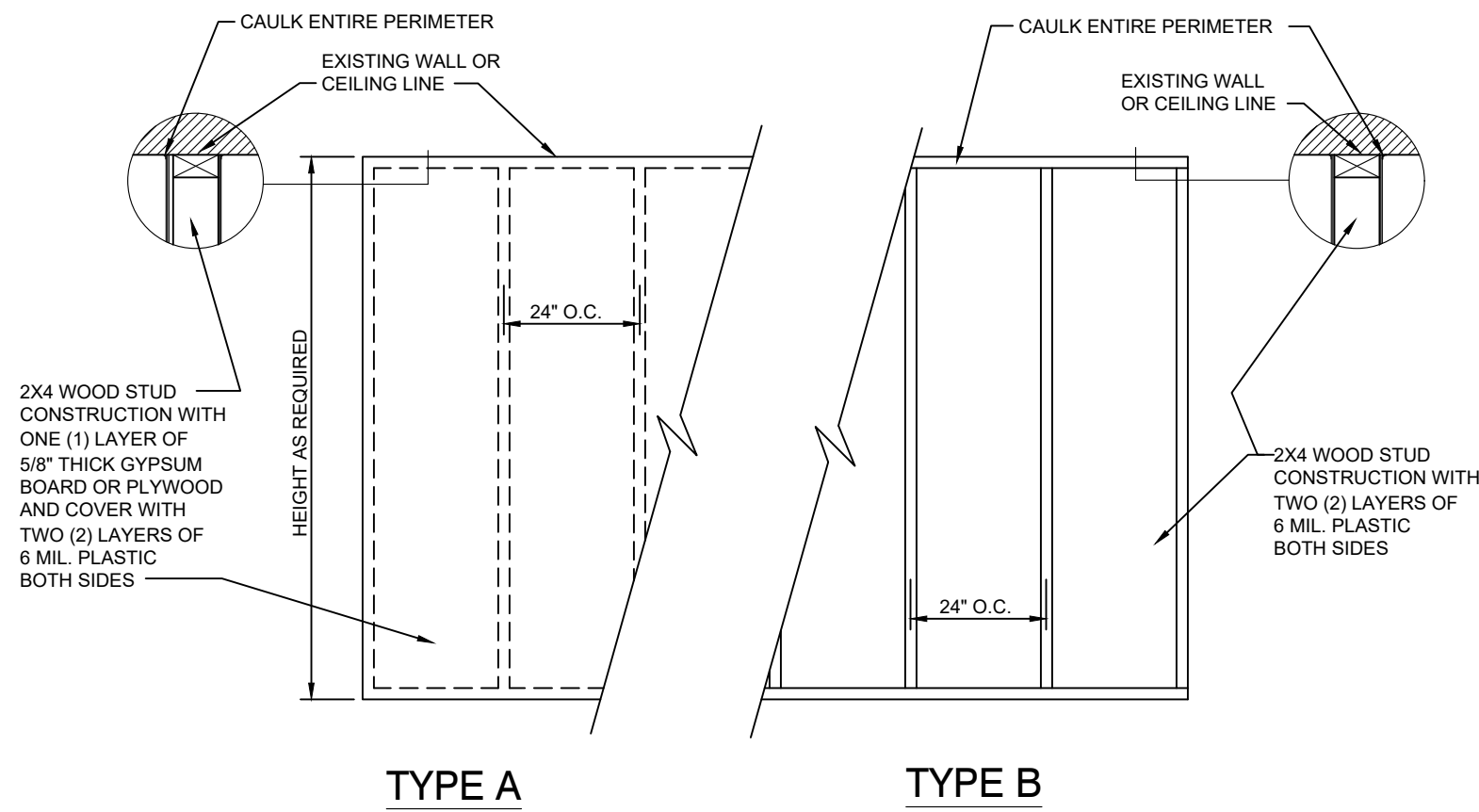
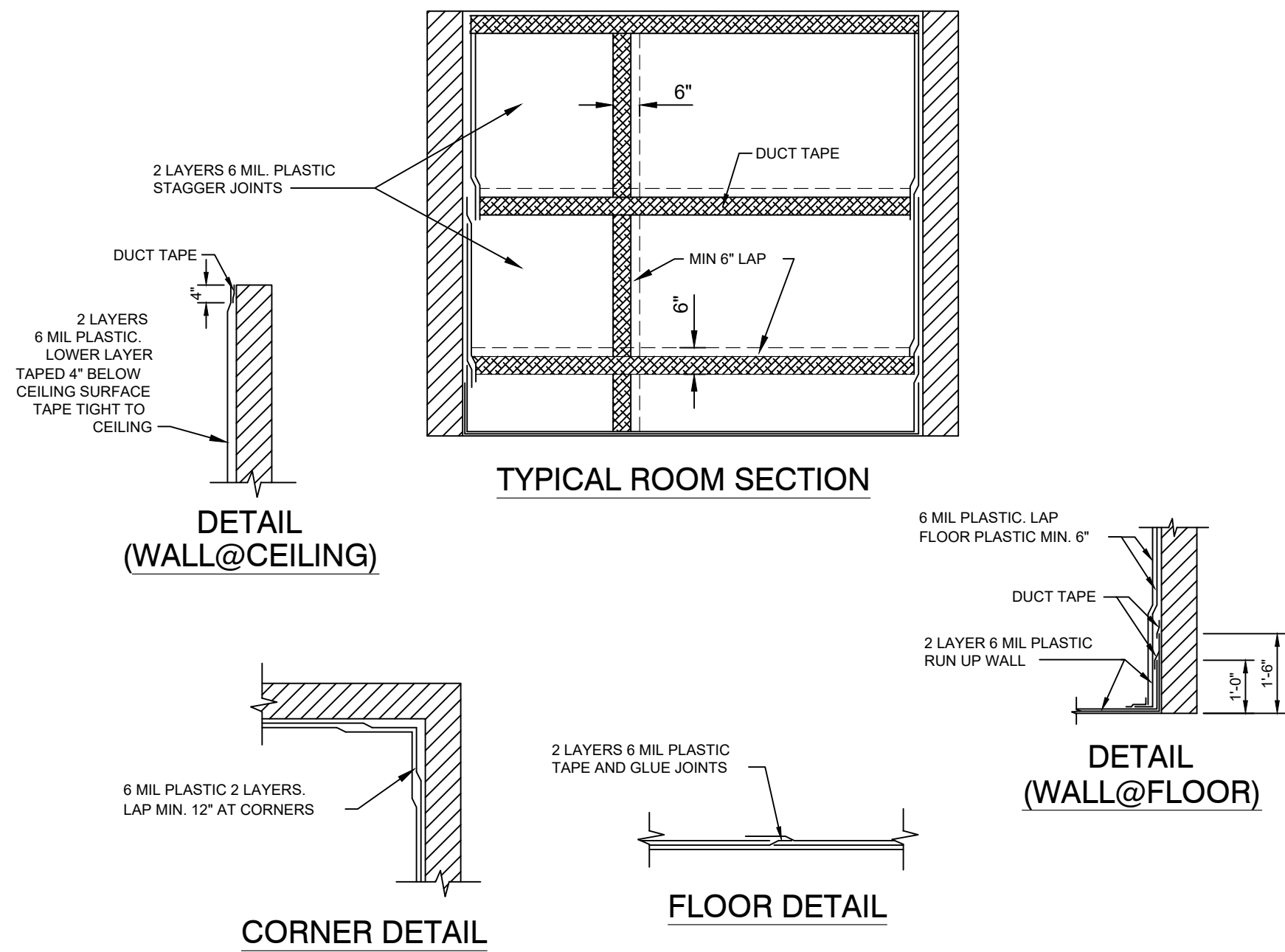
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DRAWING BY: JAC
CHECKED BY: GCS
DESIGNED BY: JAC

SHEET TITLE:
**ASBESTOS
ABATEMENT
PLAN**

SHEET NUMBER:

ASB101

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SHEETS
5/9/2025



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SHEET TITLE:
**ASBESTOS
ABATEMENT
DETAILS**

SHEET NUMBER:

ASB501

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SHEETS
5/9/2025

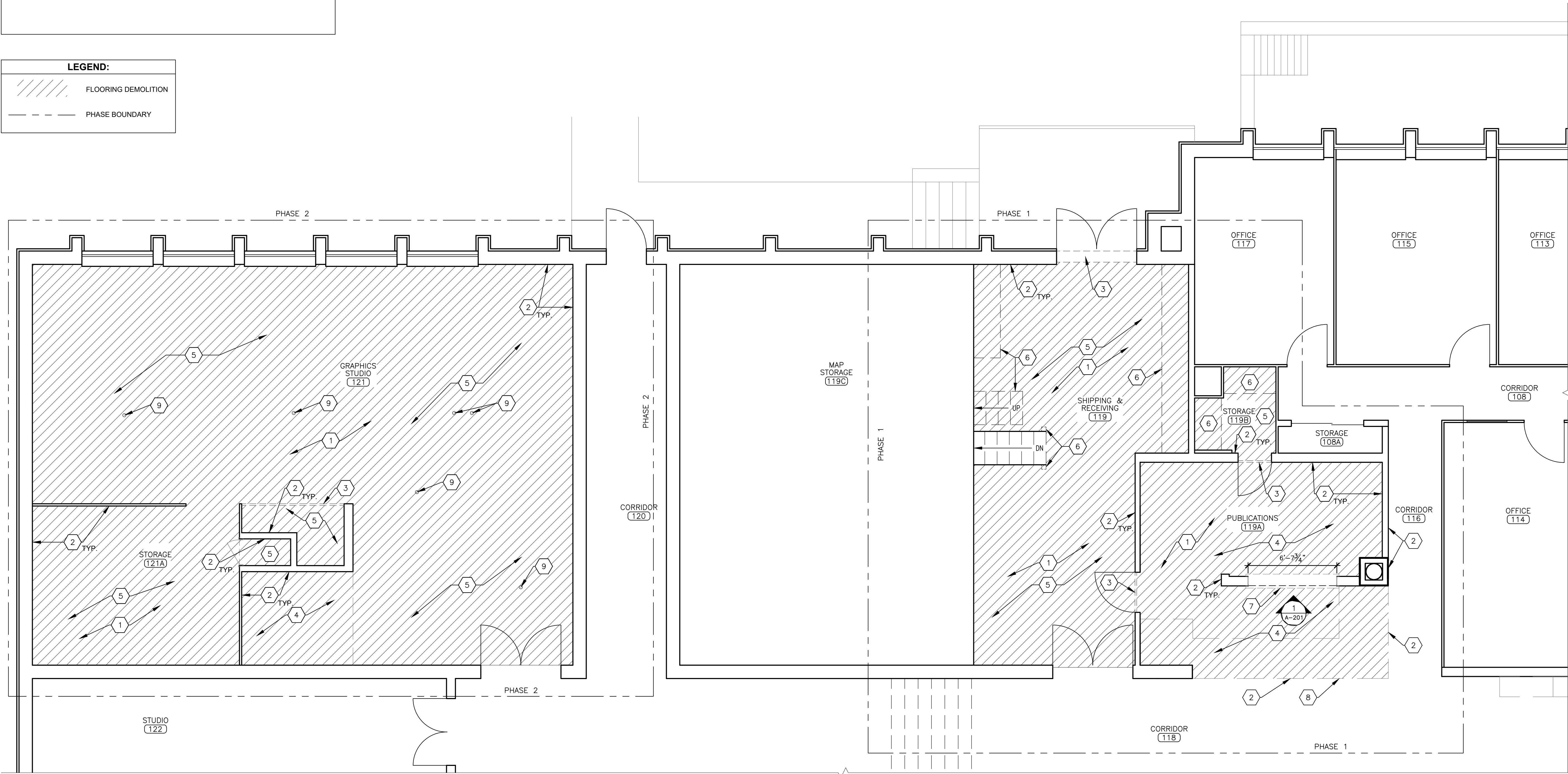
- DEMOLITION KEYNOTES:**
- 1 REMOVE ALL FREESTANDING FURNITURE WITHIN THE AREA OF WORK TO RECEIVE NEW FLOORING. PROTECT FURNITURE FROM DAMAGE. COORDINATE TEMPORARY STORAGE LOCATION WITH OWNER. COORDINATE WITH OWNER TO DETERMINE ITEMS TO BE DISPOSED OF, RELINQUISHED, OR MOVED BACK INTO THE AREAS OF WORK AFTER CONSTRUCTION IS COMPLETE.
 - 2 REMOVE AND DISPOSE OF EXISTING BASE TRIM WHERE EXISTING FLOOR IS REMOVED, AND WHERE INDICATED. REPAIR ANY DAMAGED WALLS TO A LEVEL 4 FINISH TO MATCH ADJACENT. ENSURE CLEAN AND MOUNTABLE SURFACE FOR NEW BASE APPLICATION.
 - 3 REMOVE AND DISPOSE OF EXISTING THRESHOLD/TRANSITION STRIP.
 - 4 REMOVE EXISTING FLOORING TO SUBFLOOR BELOW, INCLUDING CARPET TILE AND GLUE UNDERLAYMENT. CONTRACTOR TO REMOVE FLOORING IN ACCORDANCE WITH OWNER PHASING REQUEST. SUBFLOOR TO BE SMOOTHED AND PREPARED TO NEW FLOOR MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION. COORDINATE WITH ASBESTOS REMEDIATION FOR REMOVAL OF FLOORING.
 - 5 REMOVE EXISTING FLOORING TO SUBFLOOR BELOW, INCLUDING VINYL TILE AND GLUE UNDERLAYMENT. CONTRACTOR TO REMOVE FLOORING IN ACCORDANCE WITH OWNER PHASING REQUEST. SUBFLOOR TO BE SMOOTHED AND PREPARED TO NEW FLOOR MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION. COORDINATE WITH ASBESTOS REMEDIATION FOR REMOVAL OF FLOORING.
 - 6 REMOVE OBJECTS AFFIXED TO THE FLOOR AS NECESSARY FOR FLOORING DEMOLITION. COORDINATE WITH OWNER TO DETERMINE ITEMS TO BE DISPOSED OF, RELINQUISHED, OR SALVAGED FOR REUSE. AFFIXED OBJECTS MAY INCLUDE BUT ARE NOT LIMITED TO METAL STAIRS, RAILING, AND SHELVING UNITS.
 - 7 REMOVE EXISTING SERVICE WINDOW, TRIM, AND SILL.
 - 8 REMOVE AND DISPOSE OF EXISTING WOOD CASEWORK AND COUNTERTOPS.
 - 9 REFER TO ELECTRICAL DRAWINGS FOR FLOOR BOX DEMOLITION. REPAIR FLOOR AS NEEDED TO FLAT SURFACE FOR CARPET INSTALLATION.

- GENERAL NOTES:**
1. CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING SPACE PRIOR TO BID.
 2. CONTRACTOR TO REMOVE EXISTING TRANSITIONS AND TRIM AS REQUIRED AND TO PROTECT EXISTING TRIM TO REMAIN.
 3. CONTRACTOR TO TAKE MEASURES TO PROTECT EXISTING WALL FIXTURES AND MATERIAL FROM DAMAGE DURING DEMOLITION AND INSTALLATION.
 4. CONTRACTOR TO COORDINATE PATHS THROUGH BUILDING FOR DELIVERY OF CONSTRUCTION MATERIAL AND WORKERS WITH FACILITY STAFF PRIOR TO COMMENCEMENT OF WORK.
 5. CONTRACTOR TO COORDINATE WITH STAFF WHEN REMOVING FURNITURE TO DETERMINE EXACT LAYOUT FOR ACCURATE REPLACEMENT ALONG WITH STORAGE OF ITEMS.
 6. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING SPACE AND NEW FLOORING LIMITS PRIOR TO MATERIAL PROCUREMENT AND INSTALLATION.
 7. ALL ADJACENT STRUCTURES TO REMAIN IN PLACE. CONTRACTOR SHALL PROTECT ANY MATERIALS INSTALLATION ABUTS UP TO OR COULD POTENTIALLY BE DAMAGED DURING INSTALLATION TO ENSURE INTEGRITY AND FINISH ARE MAINTAINED.
 8. COORDINATE SCHEDULE WITH FACILITY STAFF PRIOR TO START OF WORK.

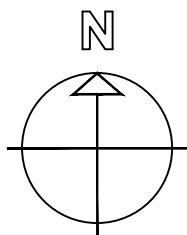
LEGEND:

////// FLOORING DEMOLITION

--- PHASE BOUNDARY



1 PHASE 1 & 2 DEMOLITION PLAN — PUBLICATIONS & GRAPHICS STUDIO
SCALE: 1/4" = 1'-0"



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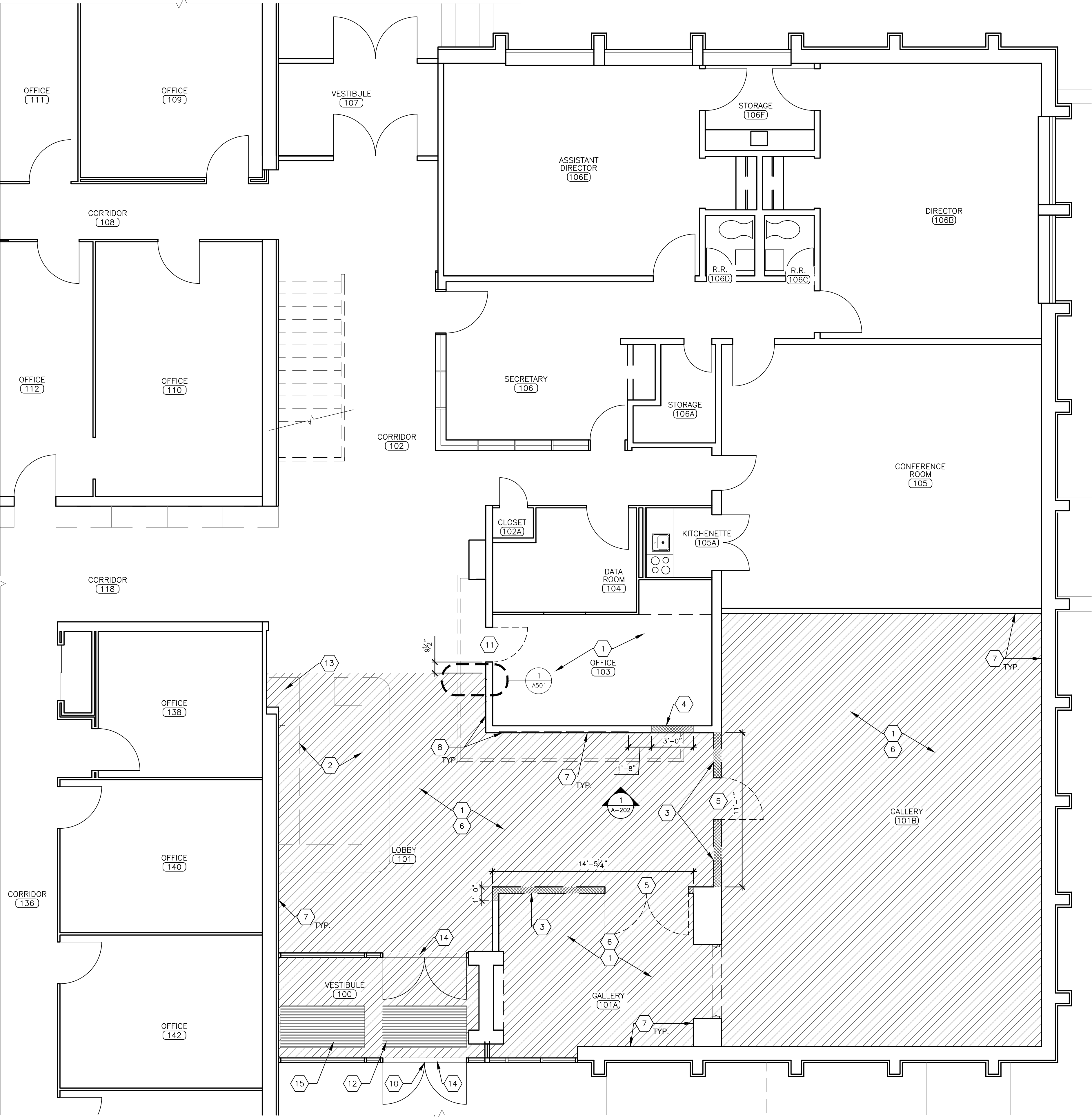
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DEMOLITION PLAN -
PUBLICATIONS &
GRAPHICS STUDIO

SHEET NUMBER:

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5 OF 18 SHEETS
05/09/2025

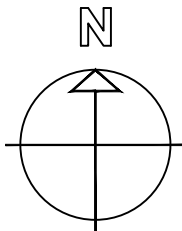


LEGEND:	
	WALL DEMOLITION
	FLOOR DEMOLITION
	EXISTING WALK-OFF MAT
	EXISTING SOFFIT TO REMAIN

GENERAL NOTES:	
1.	CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING SPACE PRIOR TO BID.
2.	CONTRACTOR TO REMOVE EXISTING TRANSITIONS AND TRIM AS REQUIRED AND TO PROTECT EXISTING TRIM TO REMAIN.
3.	CONTRACTOR TO TAKE MEASURES TO PROTECT EXISTING WALL FIXTURES AND MATERIAL FROM DAMAGE DURING DEMOLITION AND INSTALLATION.
4.	CONTRACTOR TO COORDINATE PATHS THROUGH BUILDING FOR DELIVERY OF CONSTRUCTION MATERIAL AND WORKERS WITH FACILITY STAFF PRIOR TO COMMENCEMENT OF WORK.
5.	CONTRACTOR TO COORDINATE WITH STAFF WHEN REMOVING FURNITURE TO DETERMINE EXACT LAYOUT FOR ACCURATE REPLACEMENT ALONG WITH STORAGE OF ITEMS.
6.	CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING SPACE AND NEW FLOORING LIMITS PRIOR TO MATERIAL PROCUREMENT AND INSTALLATION.
7.	ALL ADJACENT STRUCTURES TO REMAIN IN PLACE. CONTRACTOR SHALL PROTECT ANY MATERIALS INSTALLATION ABUTS UP TO OR COULD POTENTIALLY BE DAMAGED DURING INSTALLATION TO ENSURE INTEGRITY AND FINISH ARE MAINTAINED.
8.	COORDINATE SCHEDULE WITH FACILITY STAFF PRIOR TO START OF WORK.

DEMOLITION KEYNOTES:	
1	REMOVE ALL FREESTANDING FURNITURE WITHIN THE AREA OF WORK. PROTECT FURNITURE FROM DAMAGE. COORDINATE TEMPORARY STORAGE LOCATION WITH OWNER. COORDINATE WITH OWNER TO DETERMINE ITEMS TO BE DISPOSED OF, RELINQUISHED, OR MOVED BACK INTO THE AREAS OF WORK AFTER CONSTRUCTION IS COMPLETE.
2	REMOVE EXISTING RECEPTION DESK/ SYSTEMS FURNITURE. COORDINATE WITH OWNER FOR PARTS TO BE RELINQUISHED OR DISPOSED.
3	REMOVE WALL TO EXTENTS SHOWN BY SOLID CROSSHATCH. REPAIR AND TOUCH UP FINISHES OF ADJACENT SURFACES AFFECTED BY THE WALL REMOVAL. RELINQUISH WOOD PANELING TO OWNER.
4	CUT WALL OPENING TO EXTENTS SHOWN BY SOLID CROSS HATCH. REFER TO A-202 FOR ELEVATIONS. COORDINATE SILL DIMENSION NEEDED WITH OWNER AFTER VERIFYING THICKNESS OF WALL.
5	REMOVE EXISTING DOOR, FRAME, AND TRANSITION STRIP, AND RELINQUISH TO OWNER.
6	REMOVE EXISTING FLOORING TO SUBFLOOR BELOW, INCLUDING CARPET TILE, VINYL TILE, AND GLUE UNDERLAYMENT. CONTRACTOR TO REMOVE FLOORING IN ACCORDANCE WITH OWNER PHASING REQUEST. SUBFLOOR TO BE SMOOTHED AND PREPARED TO NEW FLOOR MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION. COORDINATE WITH ASBESTOS REMEDIATION FOR REMOVAL OF FLOORING.
7	REMOVE AND DISPOSE OF EXISTING BASE TRIM WHERE EXISTING FLOOR IS REMOVED. REPAIR ANY DAMAGED WALLS TO A LEVEL 4 FINISH TO MATCH ADJACENT. ENSURE CLEAN AND MOUNTABLE SURFACE FOR NEW BASE APPLICATION.
8	PROTECT ROCK WALL PANELS FROM DAMAGE DURING CONSTRUCTION.
9	NOT USED.
10	PROVIDE SIGNAGE ON EXTERIOR DOOR DIRECTING PUBLIC TO ALTERNATIVE ENTRANCE DURING CONSTRUCTION OF THIS PHASE. COORDINATE WITH OWNER.
11	REMOVE EXISTING DOOR AND RELINQUISH TO OWNER. PROTECT EXISTING FRAME FROM DAMAGE.
12	REMOVE AND DISPOSE OF RECESSED ENTRANCE MAT AND FRAME.
13	REMOVE EXISTING WALL MOUNTED WOOD SHELF. PROTECT FROM DAMAGE AND RELINQUISH TO OWNER.
14	REMOVE AND DISPOSE OF EXISTING METAL THRESHOLD.
15	REMOVE AND DISPOSE OF RECESSED ENTRANCE MAT AND FRAME. INFILL RECESSED AREA TO BE LEVEL WITH THE SURROUNDING CONCRETE SLAB.

1 PHASE 3 DEMOLITION PLAN – FRONT ENTRANCE & GALLERIES
SCALE: 1/4" = 1'-0"



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DEMOLITION PLAN -
FRONT ENTRANCE
& GALLERIES

SHEET NUMBER:

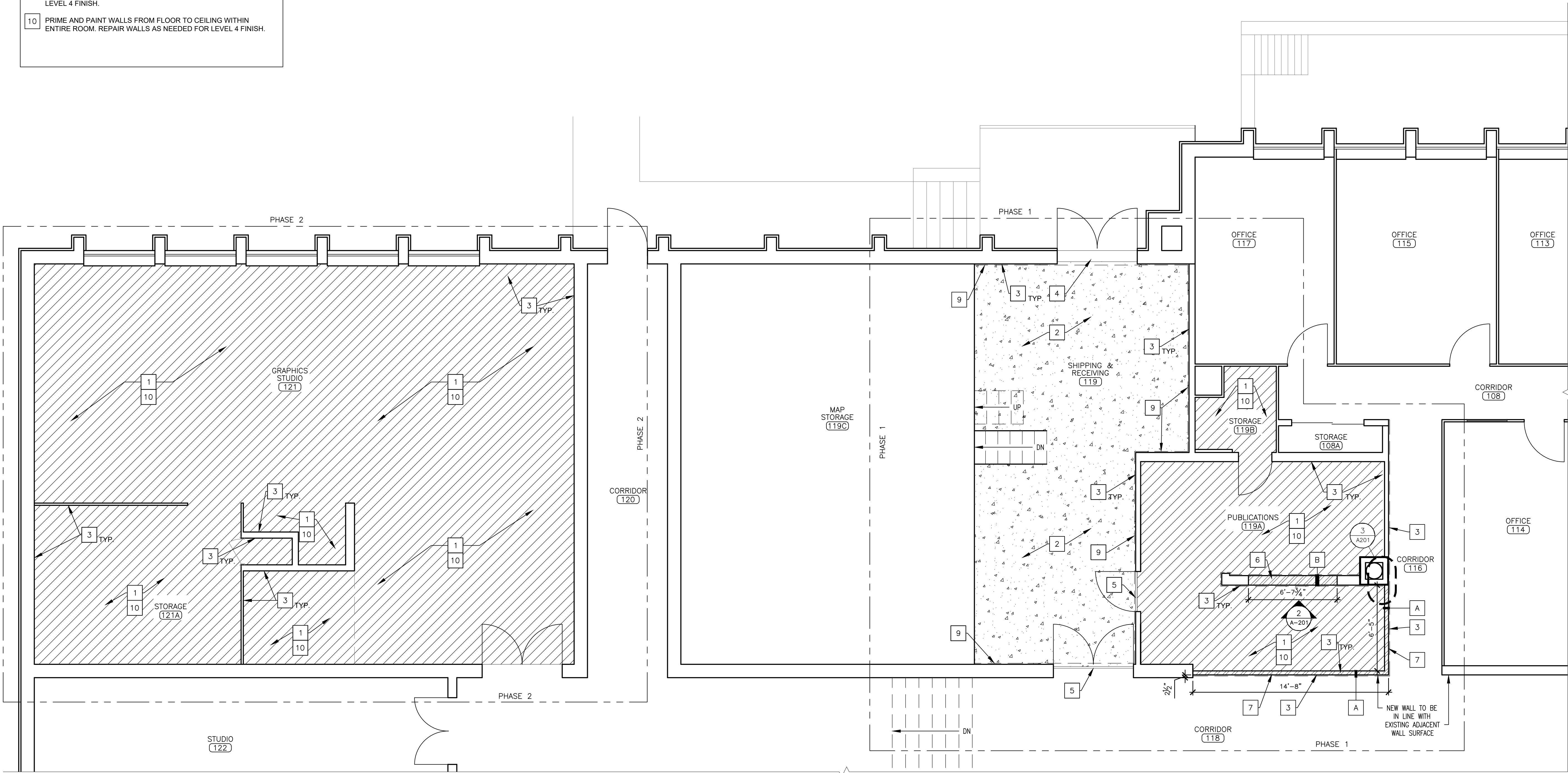
A-102

6 OF 18 SHEETS
05/09/2025

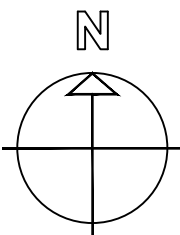
- RENOVATION KEYNOTES:**
1. INSTALL NEW CAPRET TILE (CPT) AS SPECIFIED.
 2. GRIND EXISTING CONCRETE FLOOR AND APPLY NEW CONCRETE POLISH (CONC) AS SPECIFIED. PREPARE EXISTING CONCRETE FLOOR TO MANUFACTURER'S STANDARD FOR POLISH APPLICATION. PATCH AND FILL AS NEEDED.
 3. INSTALL NEW 4" VINYL COVE BASE WHERE NEW FLOOR IS INSTALLED AND WHERE INDICATED.
 4. INSTALL NEW METAL THRESHOLD STRIP. NEW FLOOR SHOULD BE SQUARELY CUT AND LEVEL WITH ADJOINING FLOOR FINISH.
 5. INSTALL NEW TRANSITION STRIP. NEW FLOOR SHOULD BE SQUARELY CUT AND LEVEL WITH ADJOINING FLOOR FINISH.
 6. FRAME OPENING TO MATCH EXISTING WALL FRAMING WIDTH AND COVER WITH 5/8" TYPE X GYPSUM BOARD. CONTINUE FURRING AND NEW GYPSUM BOARD INSTALLATION OVER EXISTING WALL SURFACES TO FULL EXTENT OF WALL, INDICATED BY DASHED LINE. PROVIDE LEVEL 4 FINISH AND PAINT TO MATCH EXISTING ADJACENT FINISH. REFER TO A-601 FOR WALL TYPE SCHEDULE.
 7. INSTALL NEW 3 5/8" METAL STUD WALL WITH 5/8" TYPE X GYPSUM BOARD. CONTINUE FURRING AND NEW GYPSUM BOARD INSTALLATION OVER EXISTING WALL SURFACES TO FULL EXTENT OF WALL, INDICATED BY DASHED LINE. PROVIDE LEVEL 4 FINISH AND PAINT TO MATCH EXISTING ADJACENT FINISH. REFER TO A-601 FOR WALL TYPE SCHEDULE.
 8. REINSTALL SALVAGED AFFIXED OBJECTS TO THE FLOOR TO THE SAME LOCATIONS AS REQUESTED BY OWNER. AFFIXED OBJECTS MAY INCLUDE BUT ARE NOT LIMITED TO METALS STAIRS, RAILING, AND SHELVING UNITS.
 9. PRIME AND PAINT WALLS FROM FLOOR TO CEILING TO EXTENTS INDICATED BY DASHED LINE. REPAIR WALLS AS NEEDED FOR LEVEL 4 FINISH.
 10. PRIME AND PAINT WALLS FROM FLOOR TO CEILING WITHIN ENTIRE ROOM. REPAIR WALLS AS NEEDED FOR LEVEL 4 FINISH.

- GENERAL NOTES:**
1. CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING SPACE PRIOR TO BID.
 2. CONTRACTOR TO REMOVE EXISTING TRANSITIONS AND TRIM AS REQUIRED AND TO PROTECT EXISTING TRIM TO REMAIN.
 3. CONTRACTOR TO TAKE MEASURES TO PROTECT EXISTING WALL FIXTURES AND MATERIAL FROM DAMAGE DURING DEMOLITION AND INSTALLATION.
 4. CONTRACTOR TO COORDINATE PATHS THROUGH BUILDING FOR DELIVERY OF CONSTRUCTION MATERIAL AND WORKERS WITH FACILITY STAFF PRIOR TO COMMENCEMENT OF WORK.
 5. CONTRACTOR TO COORDINATE WITH STAFF WHEN REMOVING FURNITURE TO DETERMINE EXACT LAYOUT FOR ACCURATE REPLACEMENT ALONG WITH STORAGE OF ITEMS.
 6. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING SPACE AND NEW FLOORING LIMITS PRIOR TO MATERIAL PROCUREMENT AND INSTALLATION.
 7. ALL ADJACENT STRUCTURES TO REMAIN IN PLACE. CONTRACTOR SHALL PROTECT ANY MATERIALS INSTALLATION ABUTS UP TO OR COULD POTENTIALLY BE DAMAGED DURING INSTALLATION TO ENSURE INTEGRITY AND FINISH ARE MAINTAINED.
 8. COORDINATE SCHEDULE WITH FACILITY STAFF PRIOR TO START OF WORK.

- LEGEND:**
- CONC: POLISHED CONCRETE
 - CPT: CARPET TILE
 - NEW WALL



1 PHASE 1 & 2 RENOVATION PLAN — PUBLICATIONS & GRAPHICS STUDIO
SCALE: 1/4" = 1'-0"



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



Brad M. Schaefer - Architect
MO# A-2009027294

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GEOLOGICAL SURVEY -
BUEHLER BUILDING
111 FAIRGROUNDS ROAD
ROLLA, MISSOURI 65401

PROJECT # W2303-01
SITE # 5001
ASSET # 7815001007

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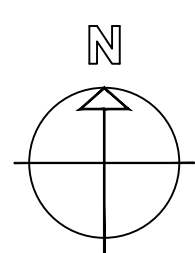
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RENOVATION PLAN -
PUBLICATIONS &
GRAPHICS STUDIO

SHEET NUMBER:

A-103

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05/09/2025



2 ALTERNATE NO. 1 - FLOOR PATTERN PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

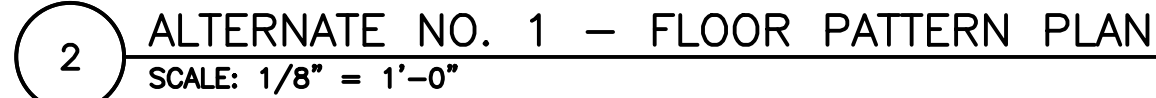
1. HATCHING SHOWN INDICATES AREAS OF NEW FLOORING.
2. CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING SPACE PRIOR TO BID.
3. CONTRACTOR TO REMOVE EXISTING TRANSITIONS AND TRIM AS REQUIRED AND TO PROTECT EXISTING TRIM TO REMAIN.
4. CONTRACTOR TO TAKE MEASURES TO PROTECT EXISTING WALL FIXTURES AND MATERIAL FROM DAMAGE DURING DEMOLITION AND INSTALLATION.
5. CONTRACTOR TO COORDINATE PATHS THROUGH BUILDING FOR DELIVERY OF CONSTRUCTION MATERIAL AND WORKERS WITH FACILITY STAFF PRIOR TO COMMENCEMENT OF WORK.
6. CONTRACTOR TO COORDINATE WITH STAFF WHEN REMOVING FURNITURE TO DETERMINE EXACT LAYOUT FOR ACCURATE REPLACEMENT ALONG WITH STORAGE OF ITEMS.
7. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF EXISTING SPACE AND NEW FLOORING LIMITS PRIOR TO MATERIAL PROCUREMENT AND INSTALLATION.
8. ALL ADJACENT STRUCTURES TO REMAIN IN PLACE. CONTRACTOR SHALL PROTECT ANY MATERIALS INSTALLATION ABUTS UP TO OR COULD NOT BEING DAMAGED DURING INSTALLATION TO ENSURE INTEGRITY AND FINISH ARE MAINTAINED.
9. COORDINATE SCHEDULE WITH FACILITY STAFF PRIOR TO START OF WORK.

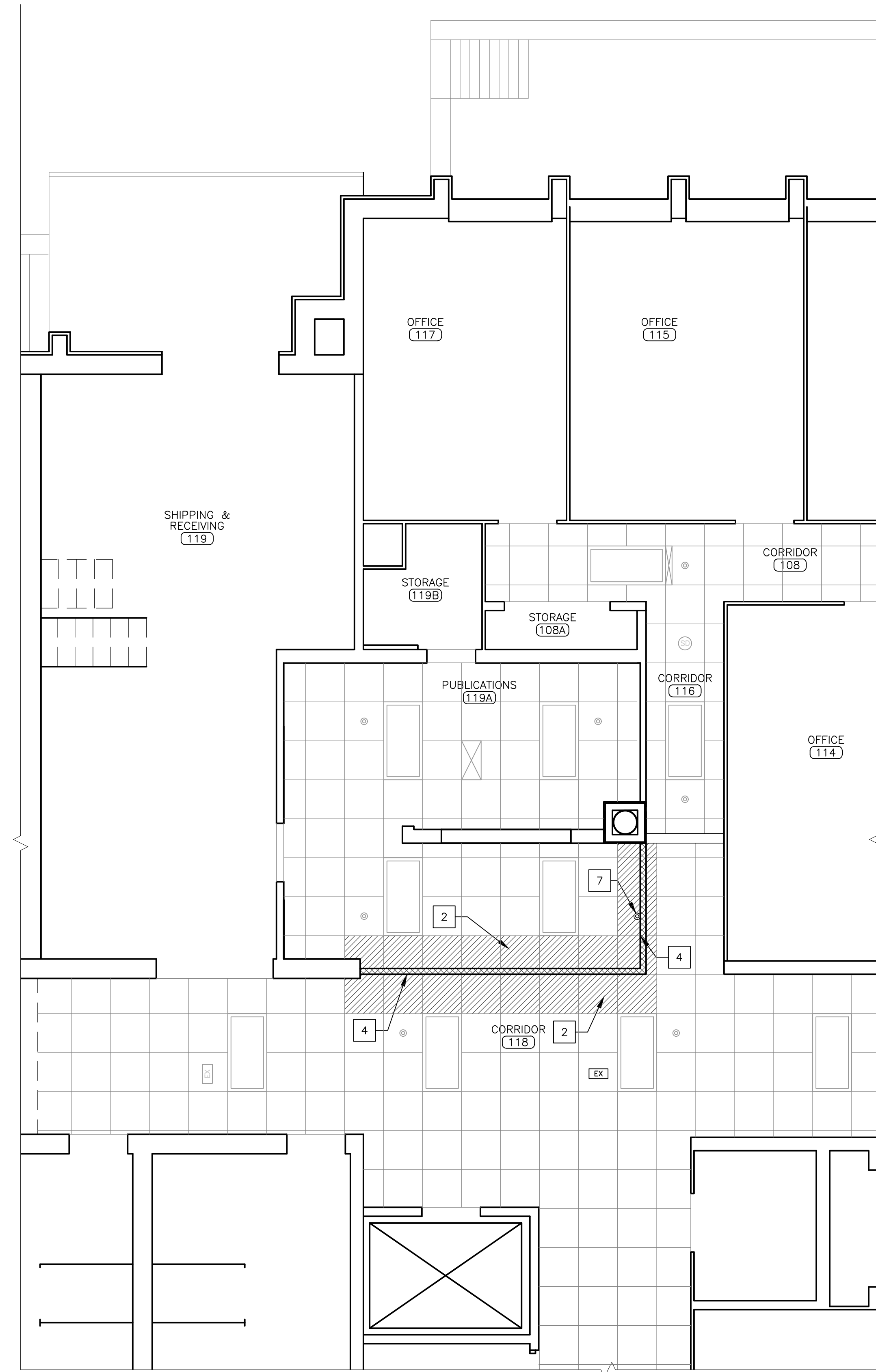
ALTERNATE NO. 1:

10. PHENIX MARBLE AND MISSOURI RED GRANITE TO BE INSTALLED INSTEAD OF LUXURY VINYL TILE. PHENIX MARBLE WALL BASE TRIM TO BE INSTALLED INSTEAD OF VINYL BASE.
11. HATCH PATTERNS ON "ALTERNATE NO. 1-FLOOR PATTERN PLAN" INDICATE THE INTENDED SIZE AND RUN DIRECTION OF NEW STONE FLOORING.

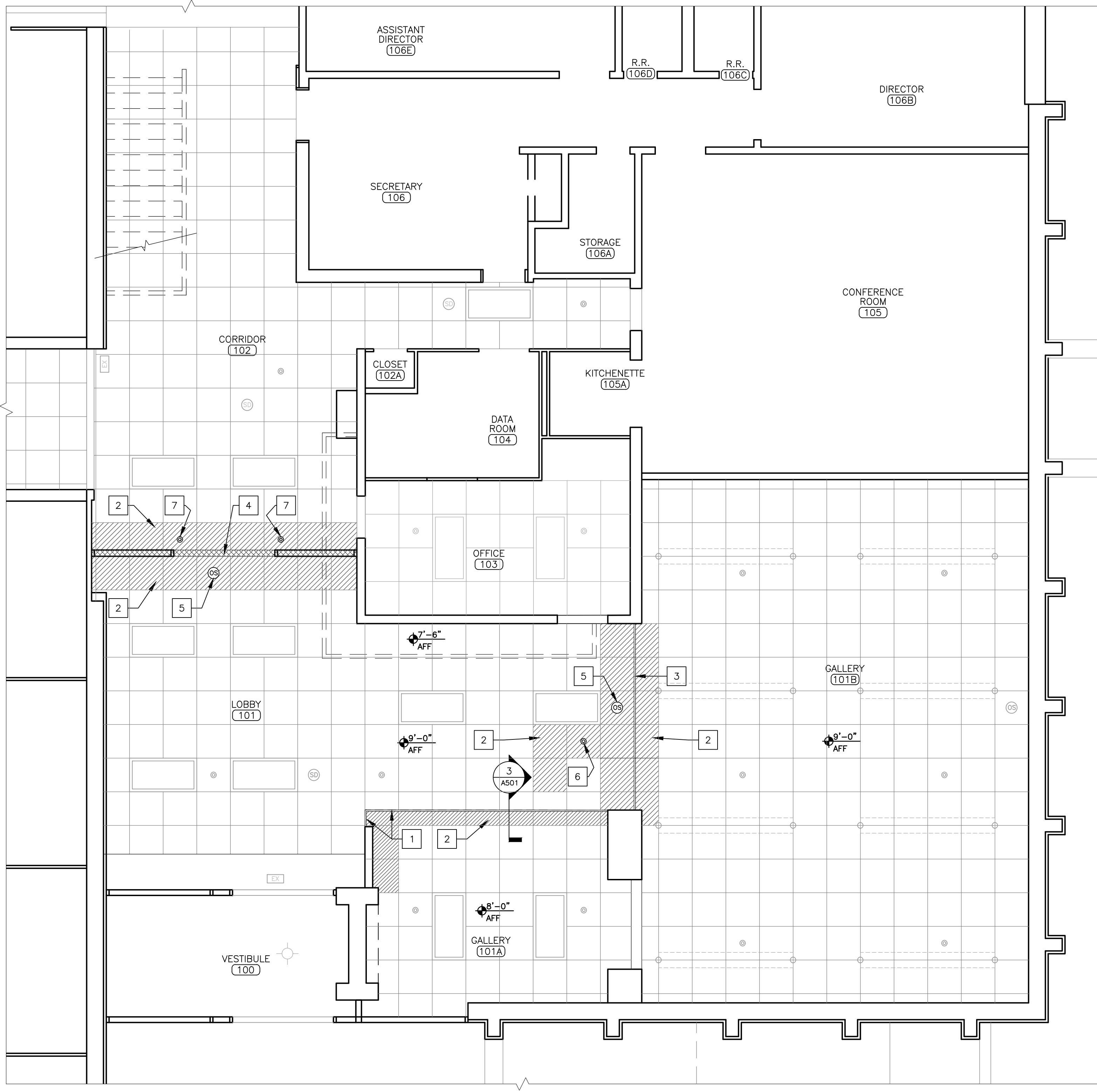
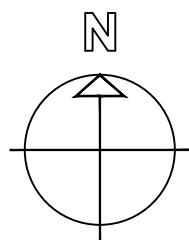
RENOVATION KEYNOTES:

1. INSTALL NEW STOREFRONT ASSEMBLY AS SPECIFIED, INCLUDING FRAME, GLAZING, AND DOUBLE DOORS. REFER TO A-202 FOR DETAILS.
2. INSTALL NEW METAL THRESHOLD TO LOCATION SHOWN.
3. INSTALL NEW LUXURY VINYL TILE (LVT) AS SPECIFIED.
4. INSTALL NEW 4" VINYL COVE BASE WHERE NEW FLOOR IS INSTALLED.
5. INSTALL OWNER FURNISHED MARBLE SILL TO WINDOW OPENING. REFER TO A-501 FOR DETAILS.
6. INSTALL SERVICE WINDOW TO LOCATION SHOWN. FRAME OPENING AS RECOMMENDED BY WINDOW MANUFACTURER. REFER TO A-202 FOR ELEVATIONS.
7. PRIME AND PAINT DRYWALL SURFACES. FROM FLOOR TO CEILING WITH ENTIRE ROOM. REPAIR WALLS AS NEEDED FOR LEVEL 4 FINISH. PROTECT STONE AND WOOD FEATURES FROM DAMAGE AND STAINING.
8. PATCH AND REPAIR WALL SURFACE AS NEEDED FOR LEVEL 4 FINISH. MATCH ADJACENT WALL FINISH.
9. INSTALL NEW RECESSED ENTRANCE MAT AND FRAME TO MATCH HEIGHT OF NEW ADJACENT FLOORING.





1 PHASE 1 RCP - PUBLICATIONS ROOM
SCALE: 1/4" = 1'-0"



2 PHASE 2 RCP - FRONT ENTRANCE & GALLERIES
SCALE: 1/4" = 1'-0"

LEGEND:	
	EXISTING SOFFIT TO REMAIN
	NEW ACOUSTIC CEILING TILE
	NEW WALL
	EXIT SIGN
	SMOKE DETECTOR
	OCCUPANCY SENSOR
	FIRE SPRINKLER HEAD
	EXISTING RECESSED TROFFER LIGHT
	EXISTING PENDANT LIGHT

RENOVATION KEYNOTES:	
1	INSTALL 12" CEILING TRANSITION TRIM AS SPECIFIED AND ADJUST CEILING GRID LAYOUT AS NEEDED.
2	INSTALL NEW ACOUSTIC CEILING TILES TO LOCATIONS INDICATED BY HATCH.
3	INSTALL NEW CEILING GRID T-BAR AND ADJUST GRID LAYOUT AS NEEDED.
4	ADJUST GRID LAYOUT TO ACCOMMODATE NEW WALL.
5	PROTECT EXISTING OCCUPANCY SENSOR FROM DAMAGE DURING CONSTRUCTION. REMOVE AND REINSTALL TO SAME LOCATION AS NEEDED.
6	PROTECT EXISTING SPRINKLER HEAD FROM DAMAGE DURING CONSTRUCTION.
7	REFER TO F-101 FOR SPRINKLER HEAD REMOVAL AND NEW SPRINKLER HEAD LOCATIONS.

STATE OF MISSOURI
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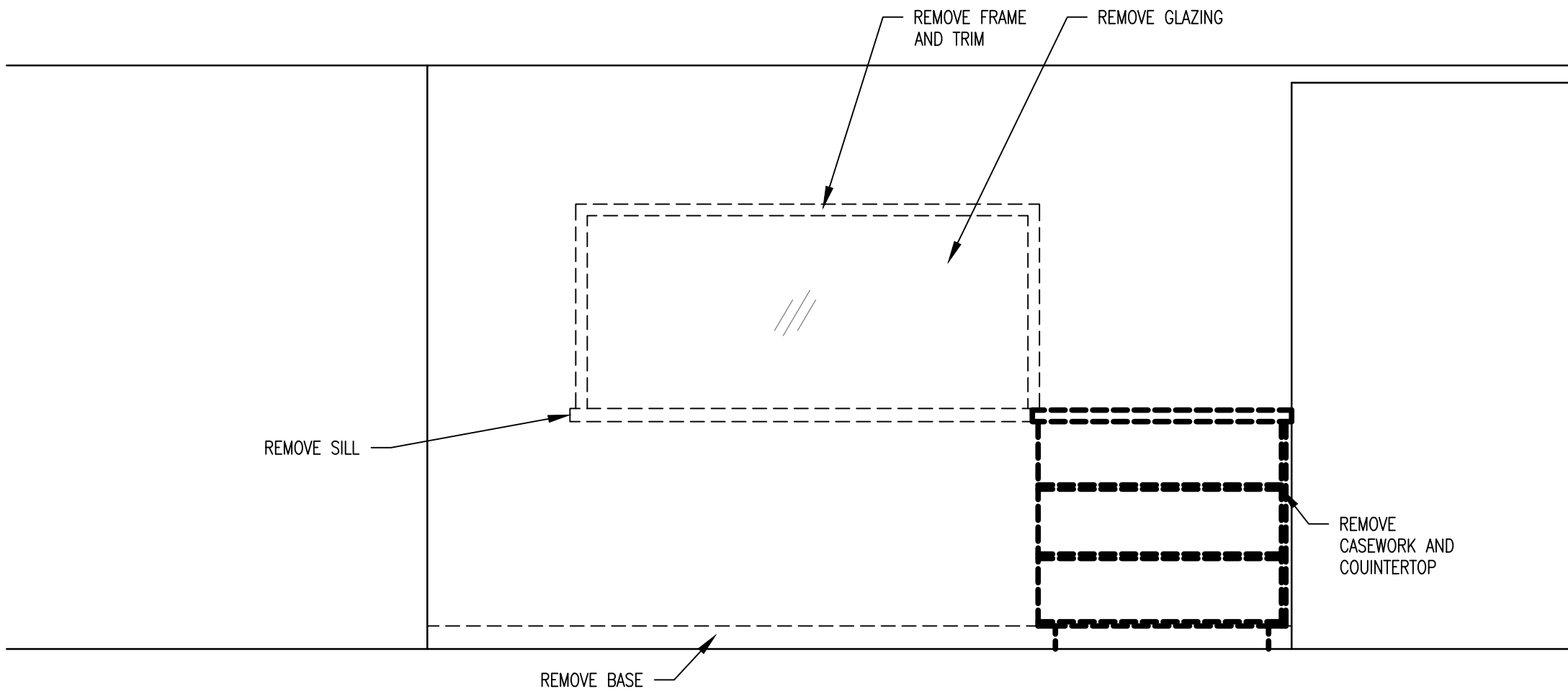
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REFLECTED
CEILING PLANS

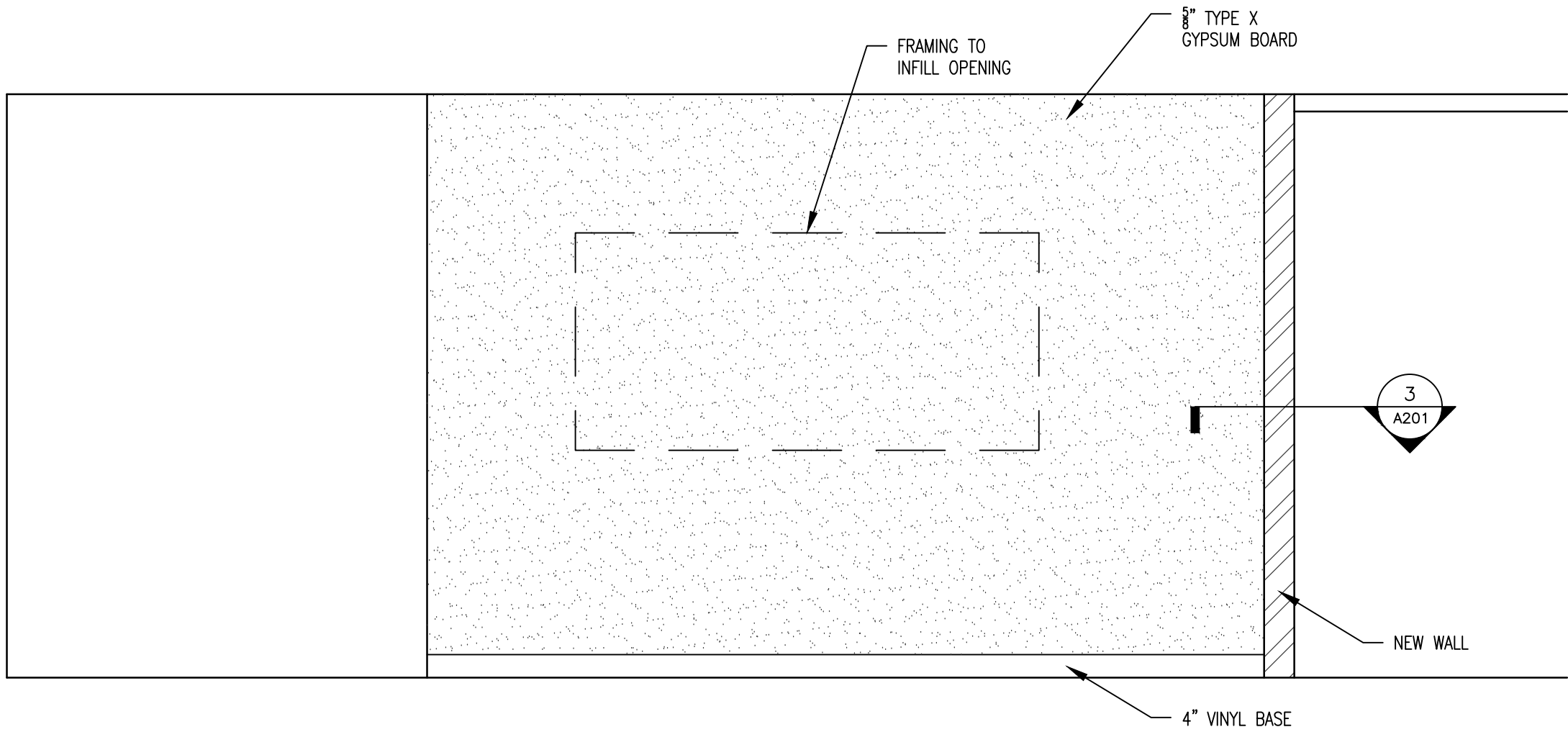
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A-105

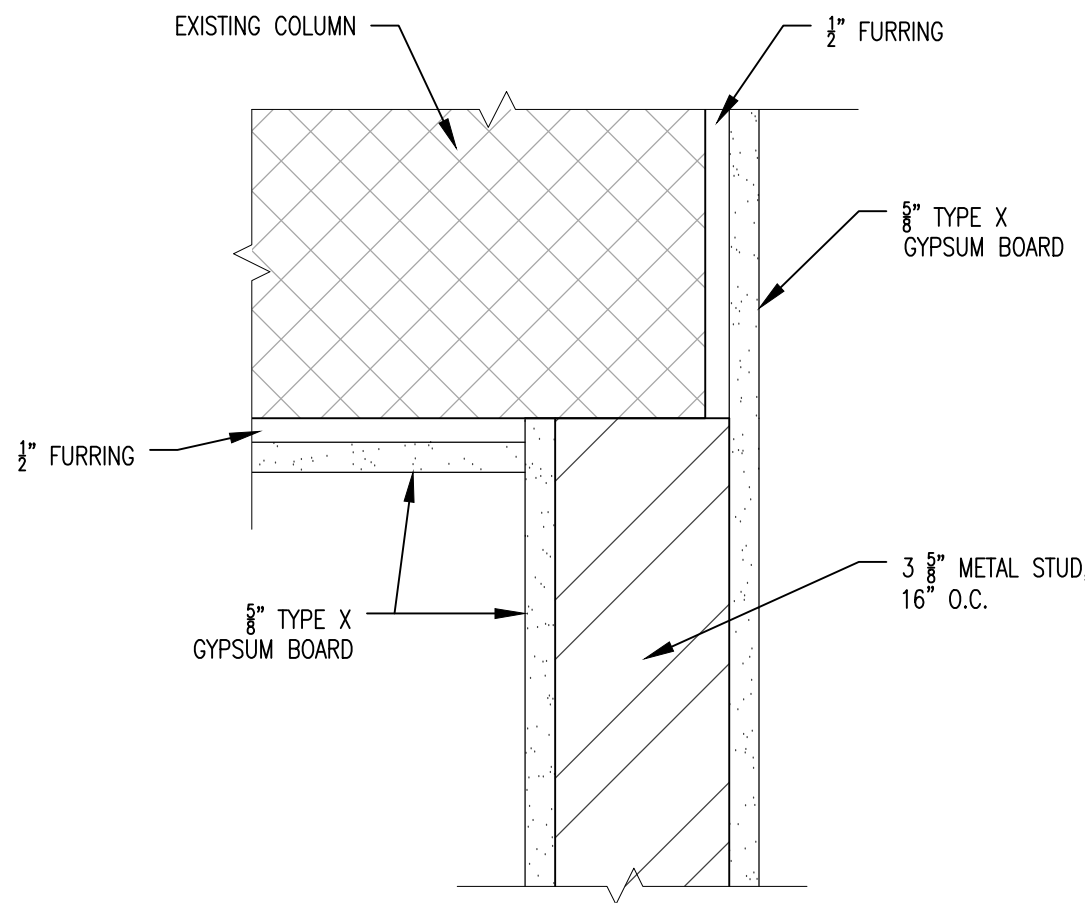
9 OF 18 SHEETS
05/09/2025



1 PUBLICATIONS ROOM ELEVATION – DEMO
SCALE: 1/2" = 1'-0"



2 PUBLICATIONS ROOM ELEVATION – NEW
SCALE: 1/2" = 1'-0"



3 WALL CONNECTION – NEW TO EXISTING
SCALE: 1/2" = 1'-0"



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SHEET TITLE:
PUBLICATIONS
ROOM
ELEVATIONS

SHEET NUMBER:

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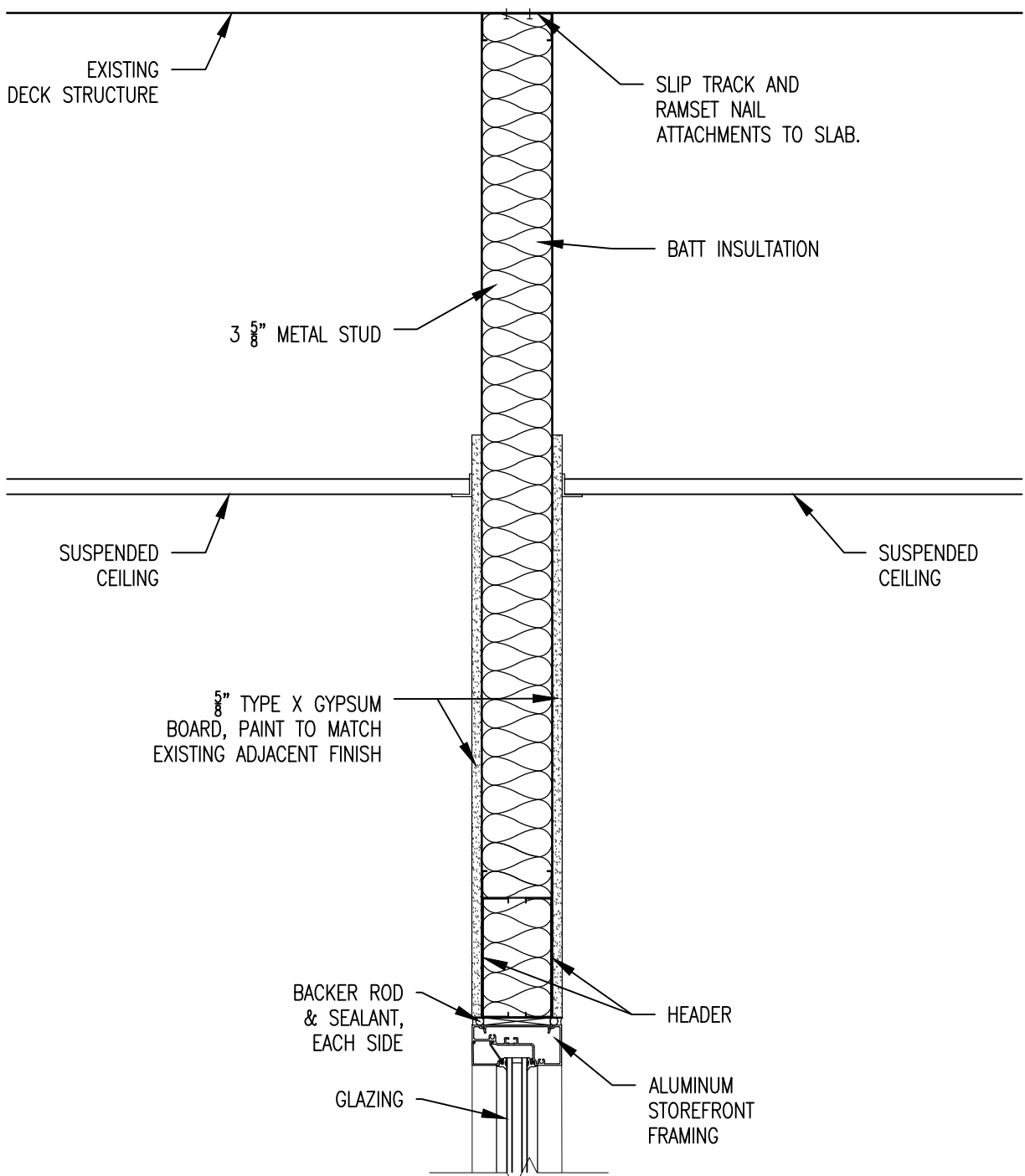
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FRONT ENTRANCE
ELEVATIONS

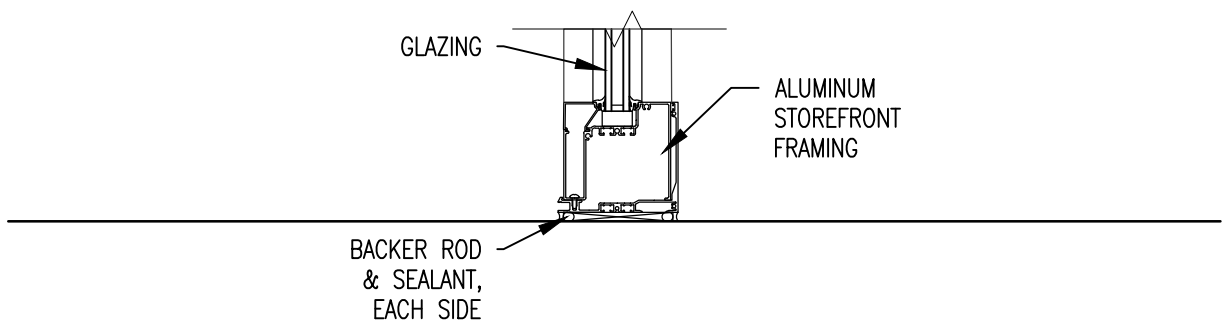
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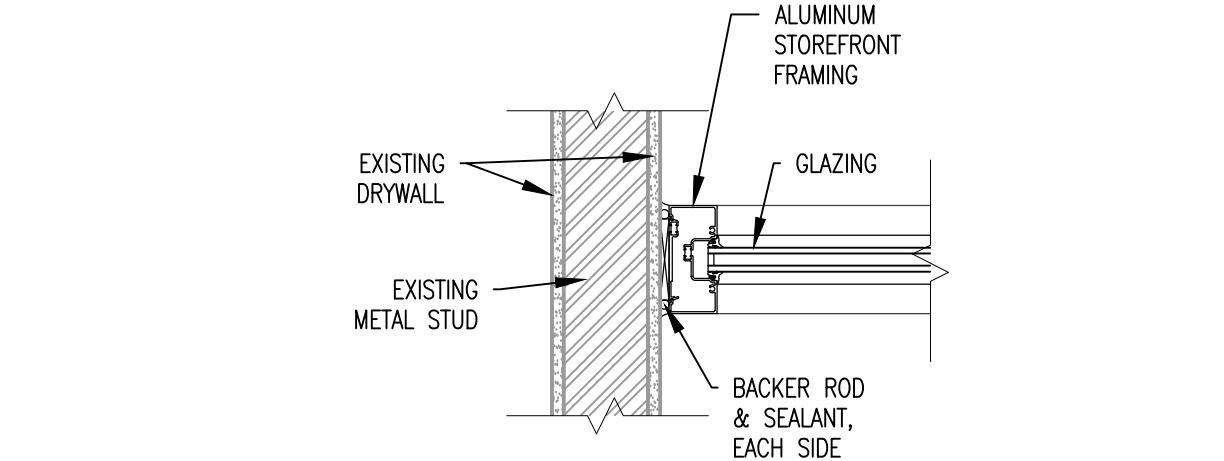
11 OF 18 SHEETS
05/09/2025



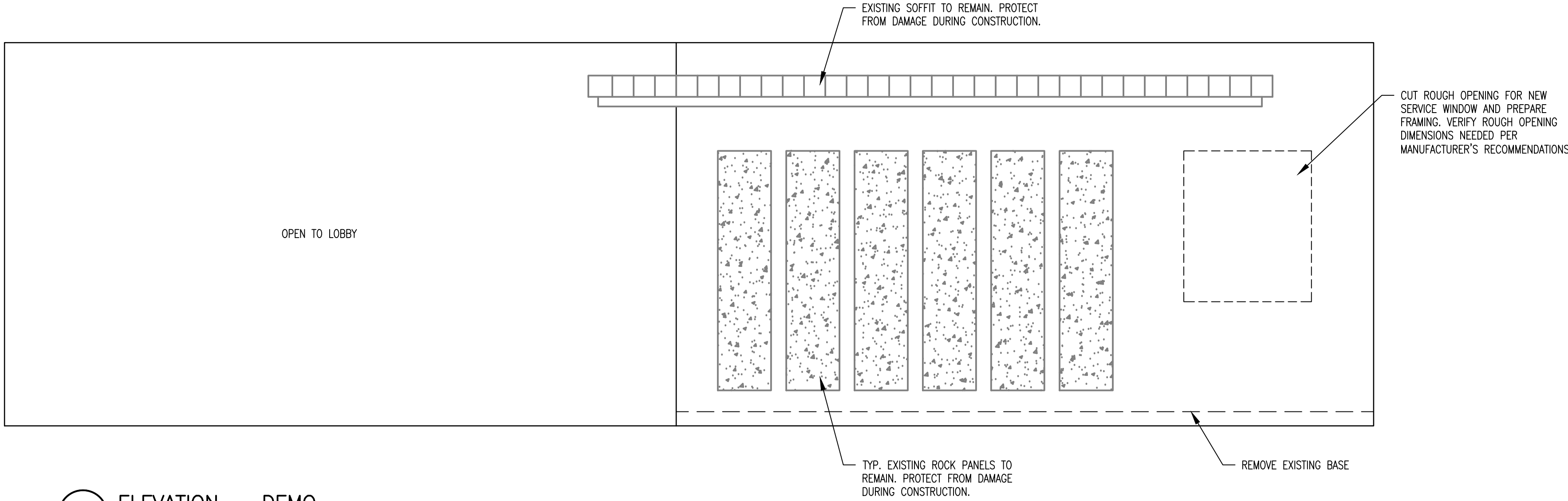
4 HEAD
SCALE: 1 1/2" = 1'-0"



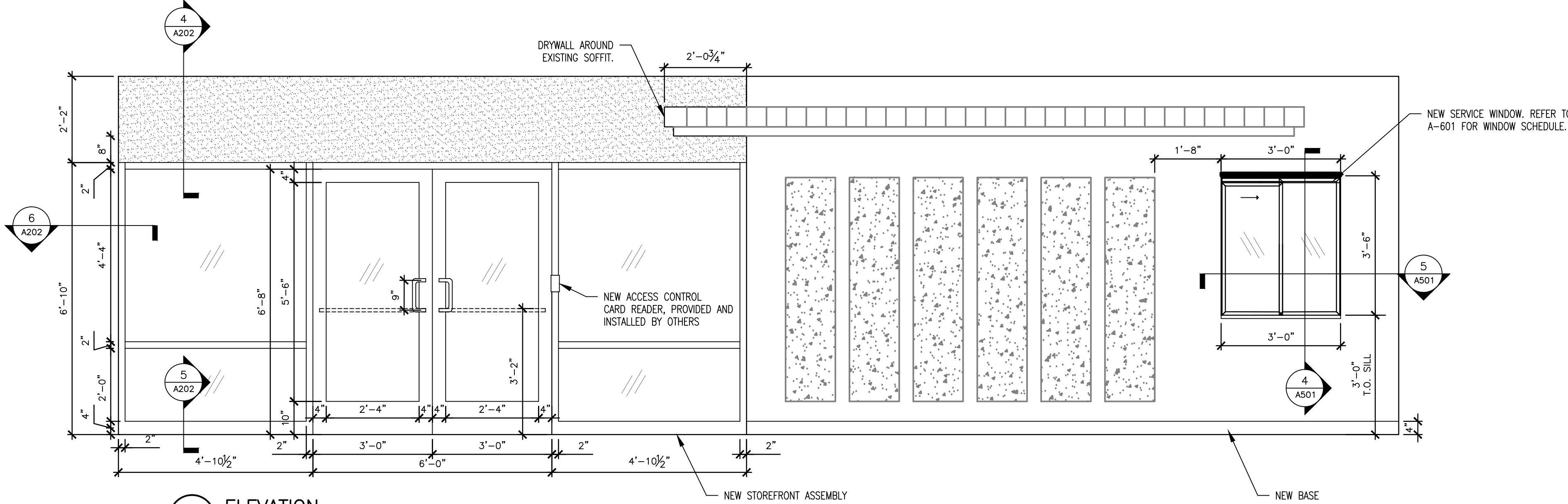
5 SILL
SCALE: 1 1/2" = 1'-0"



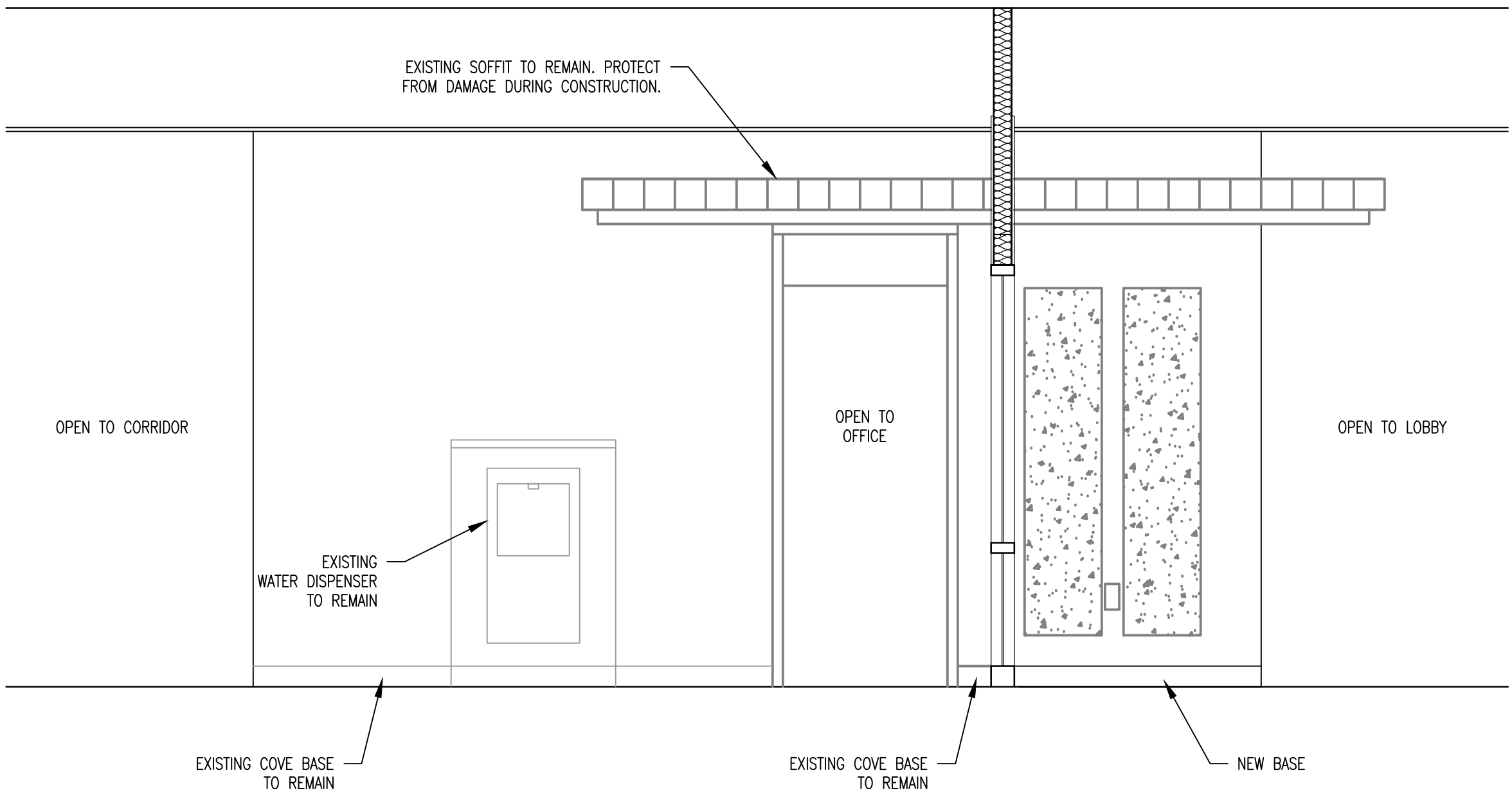
6 JAMB
SCALE: 1 1/2" = 1'-0"



1 ELEVATION — DEMO
SCALE: 1/2" = 1'-0"



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



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

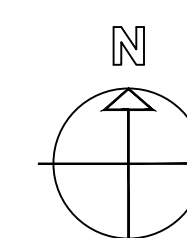
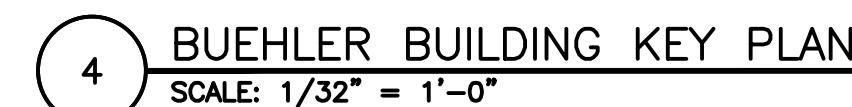
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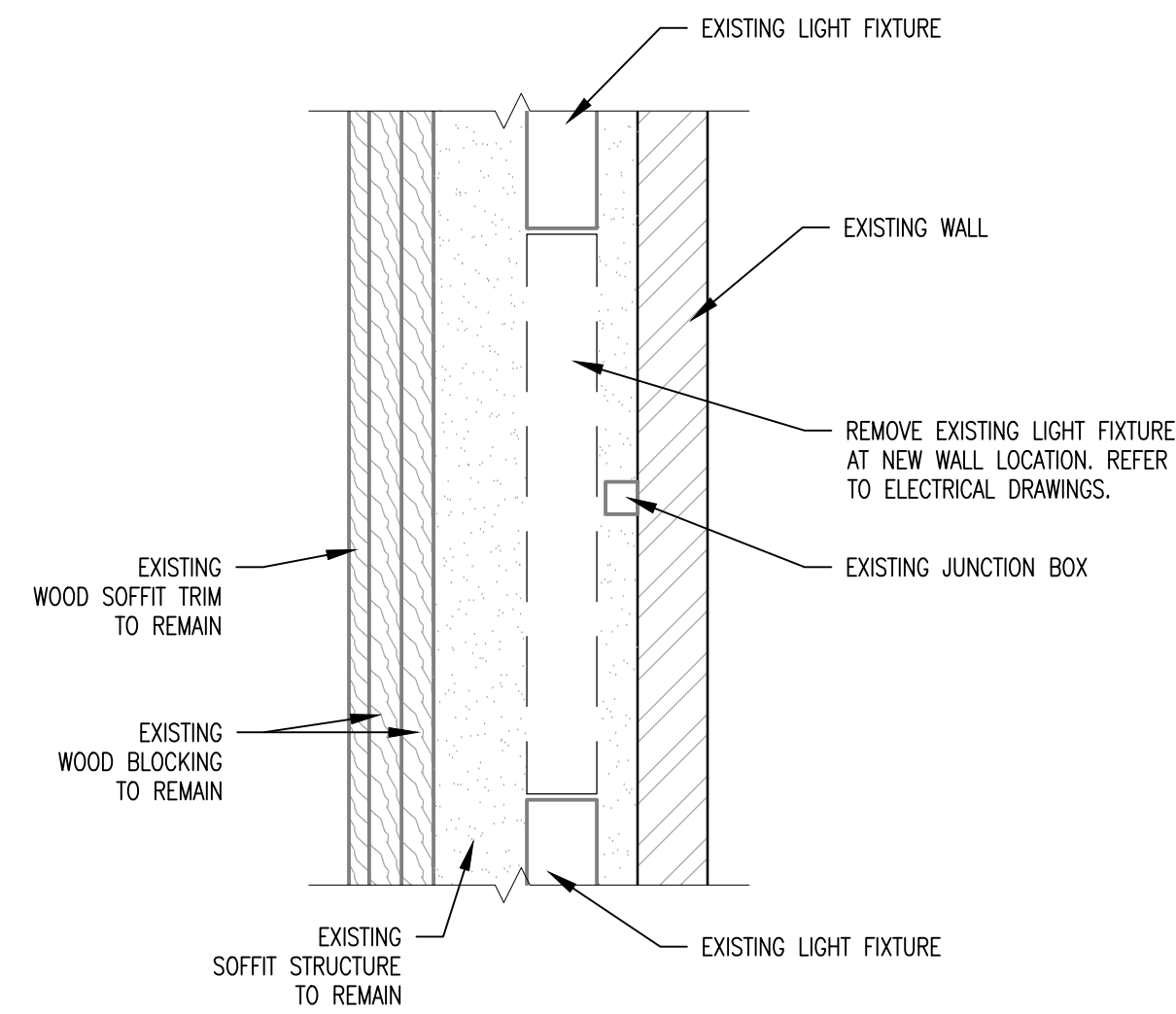


1. CONTRACTOR TO VERIFY DIMENSIONS OF EXISTING SPACE PRIOR TO BID.
2. CONTRACTOR TO TAKE MEASURES TO PROTECT EXISTING WALL FIXTURES AND MATERIAL FROM DAMAGE DURING DEMOLITION AND INSTALLATION.
3. CONTRACTOR TO COORDINATE PATHS THROUGH BUILDING FOR DELIVERY OF CONSTRUCTION MATERIAL AND WORKER WITH FACILITY STAFF PRIOR TO COMMENCEMENT OF WORK.
4. CONTRACTOR TO COORDINATE WITH STAFF WHEN REMOVING FURNITURE TO DETERMINE EXACT LAYOUT FOR ACCURATE REPLACEMENT ALONG WITH STORAGE OF ITEMS.
5. ALL ADJACENT STRUCTURES TO REMAIN IN PLACE. CONTRACTOR SHALL PROTECT ANY MATERIALS INSTALLED ABOVE UP TO OR COULD POTENTIALLY BE DAMAGED DURING INSTALLATION TO ENSURE INTEGRITY AND FINISH ARE MAINTAINED.
6. COORDINATE SCHEDULE WITH FACILITY STAFF PRIOR TO START OF WORK.

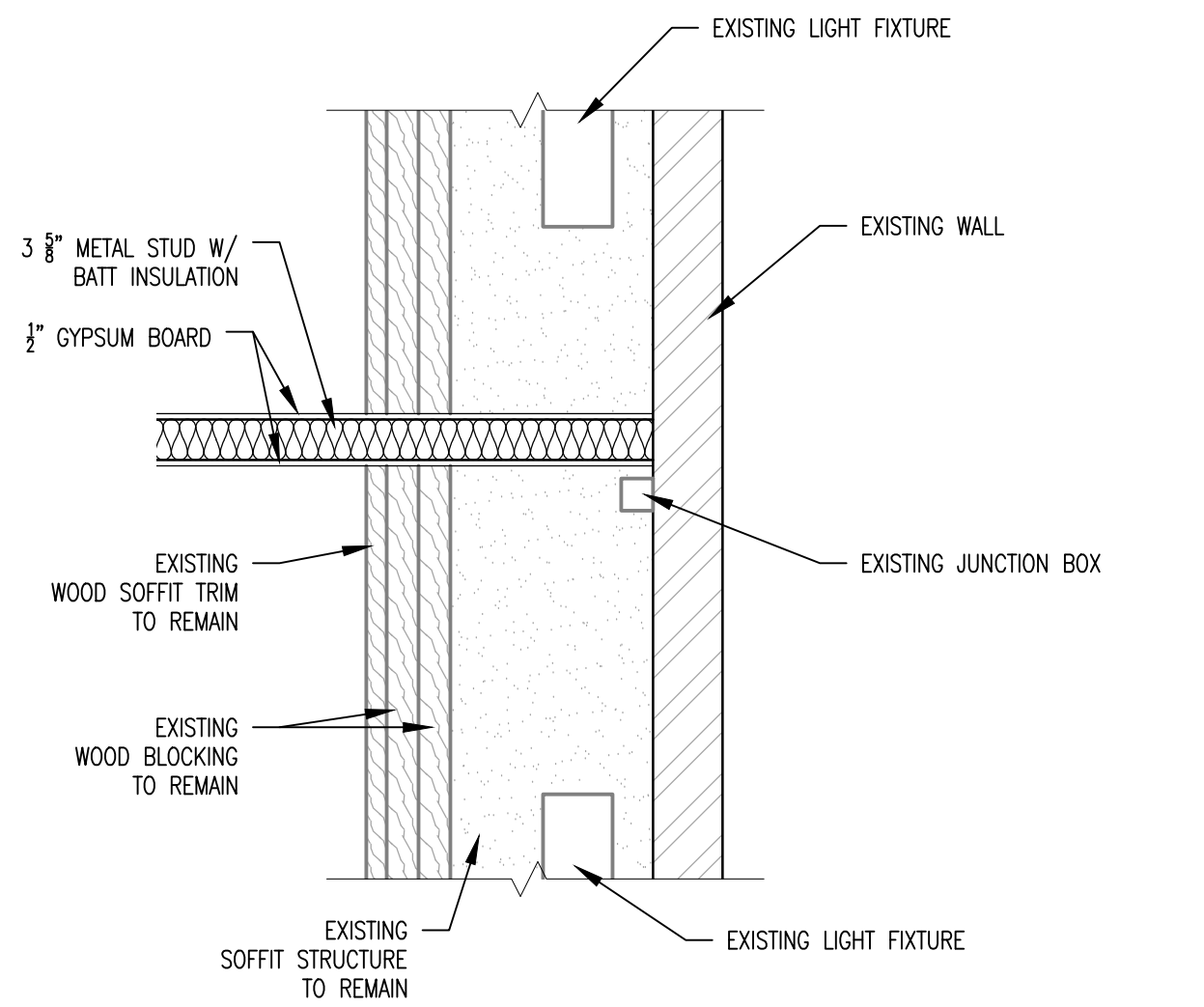
- 1 REMOVE EXISTING SYSTEMS FURNITURE. COORDINATE WITH OWNER FOR DISPOSAL OR STORAGE OF FURNITURE PARTS.
- 2 REMOVE ALL FREESTANDING FURNITURE WITHIN THE AREA OF WORK TO RECEIVE NEW FLOORING. PROTECT FURNITURE FROM DAMAGE. COORDINATE TEMPORARY STORAGE LOCATION WITH OWNER. COORDINATE WITH OWNER TO DETERMINE ITEMS TO BE DISPOSED OF, RELINQUISHED, OR MOVED BACK INTO THE AREAS OF WORK AFTER CONSTRUCTION IS COMPLETE.

1 NEW LAYOUT FOR SYSTEMS FURNITURE. PARTS TO BE OWNERS PROVIDED NEW FROM M.V.E., AND INSTALLED BY CONTRACTOR.

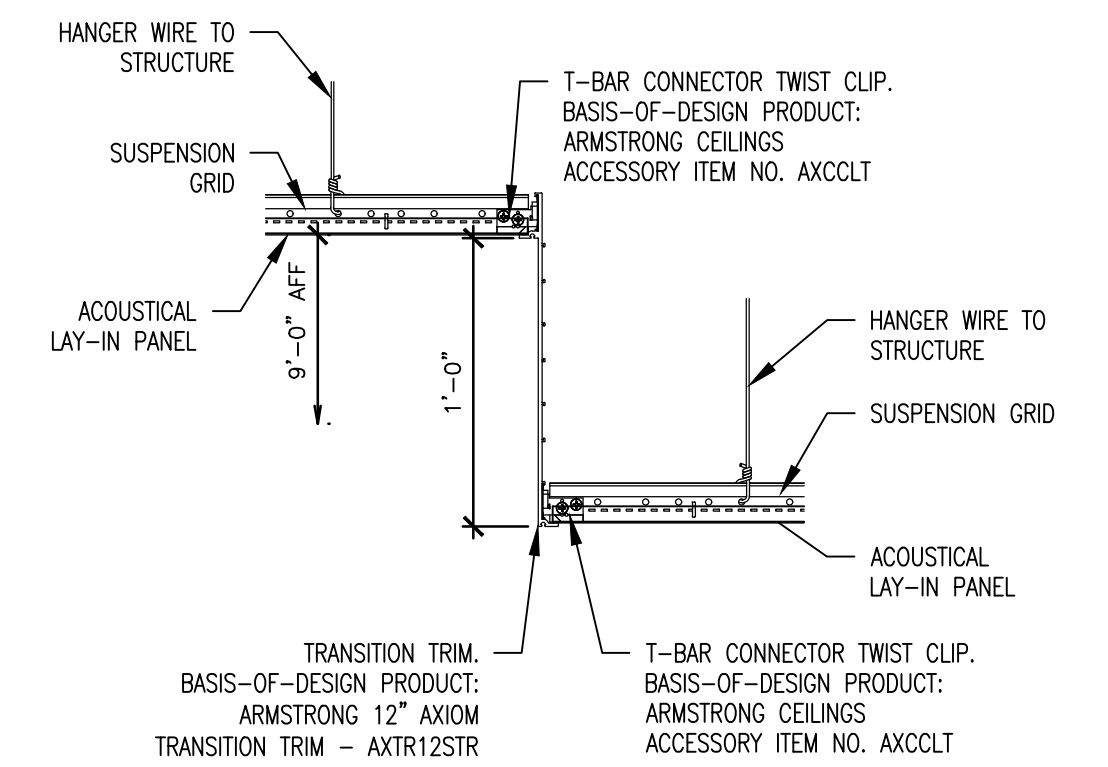




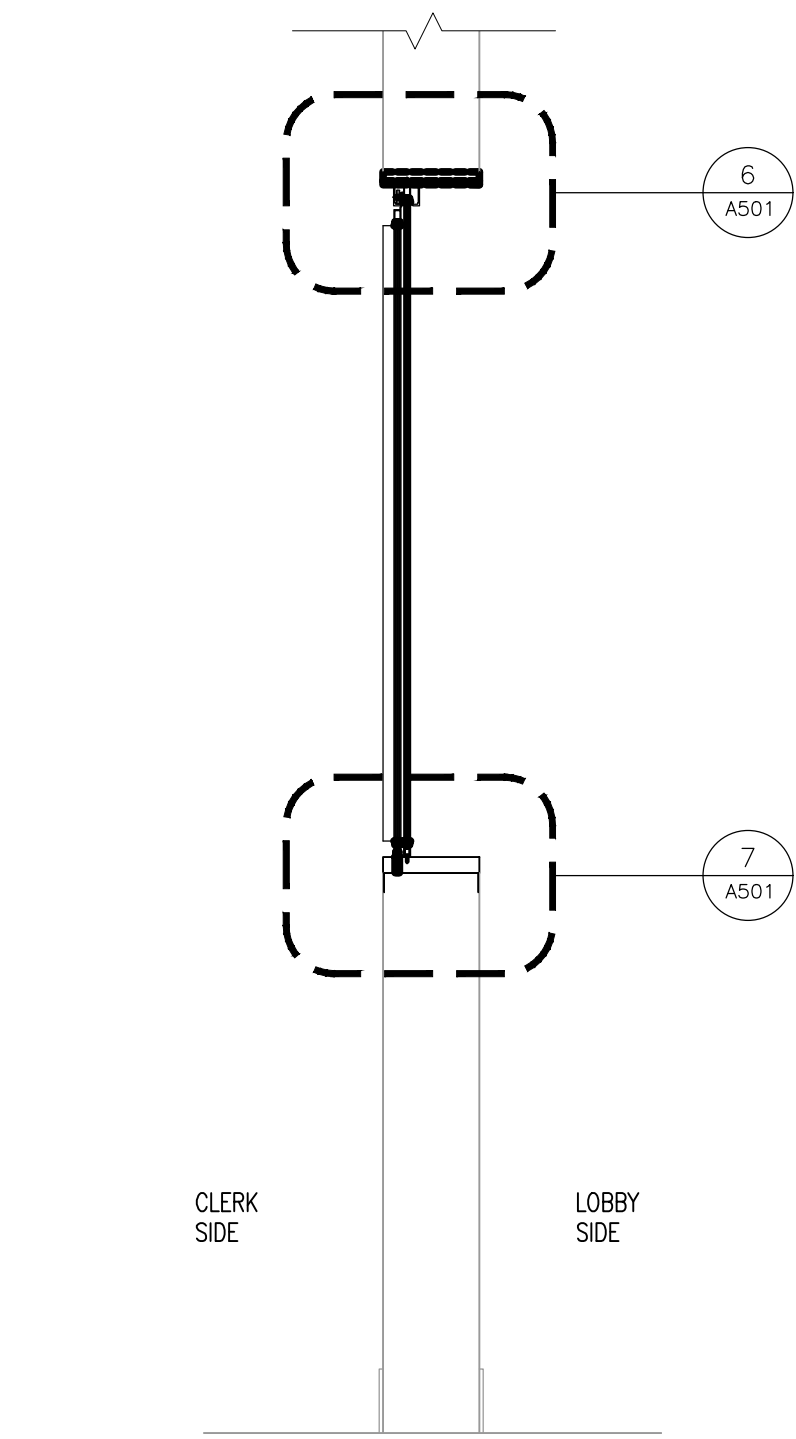
1 DEMO SOFFIT DETAILS - PLAN VIEW
SCALE: 3/4" = 1'-0"



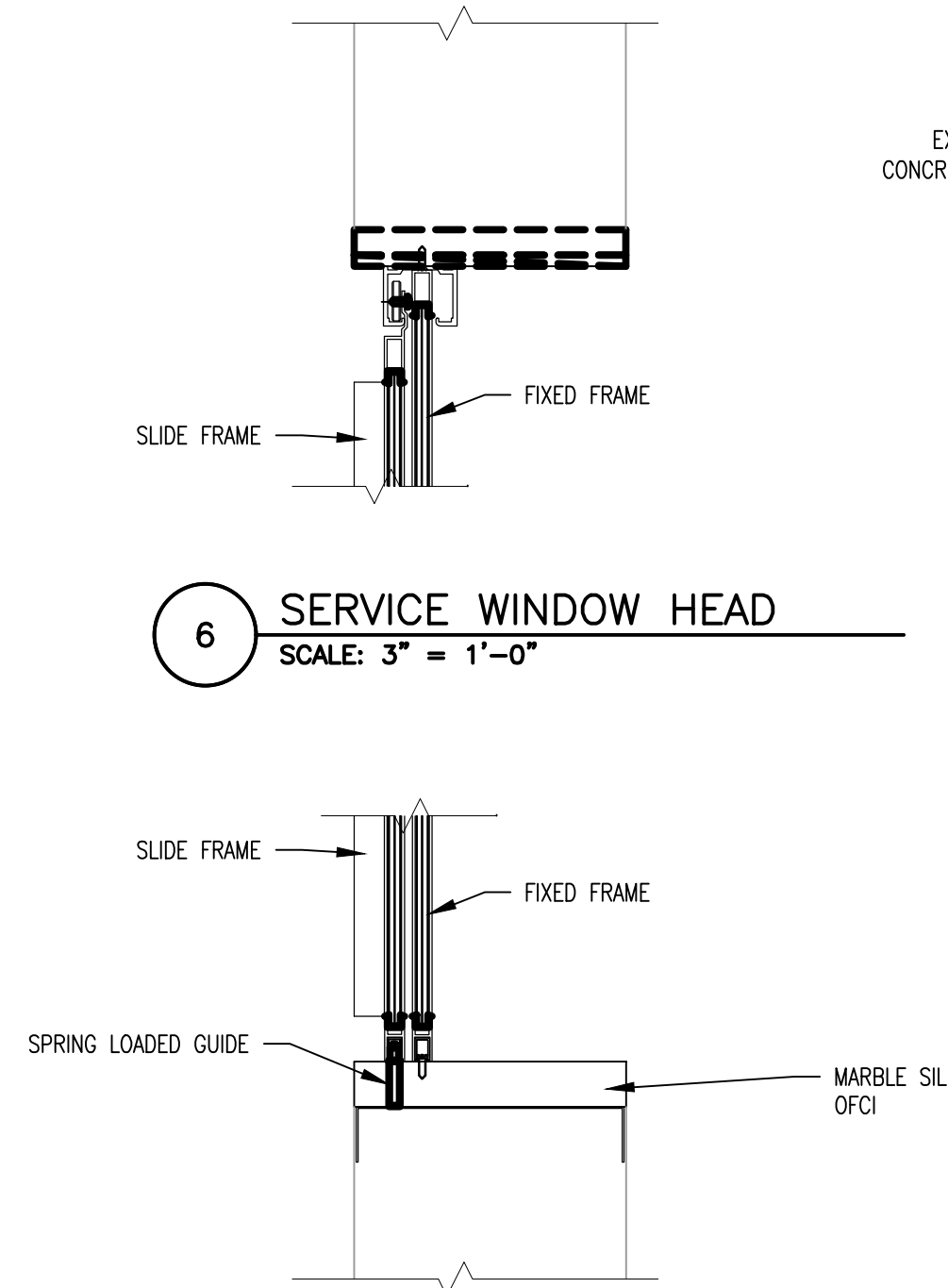
2 WALL DETAIL ABOVE SOFFIT - PLAN VIEW
SCALE: 3/4" = 1'-0"



3 CEILING TRANSITION TRIM DETAIL
SCALE: 1 1/2" = 1'-0"

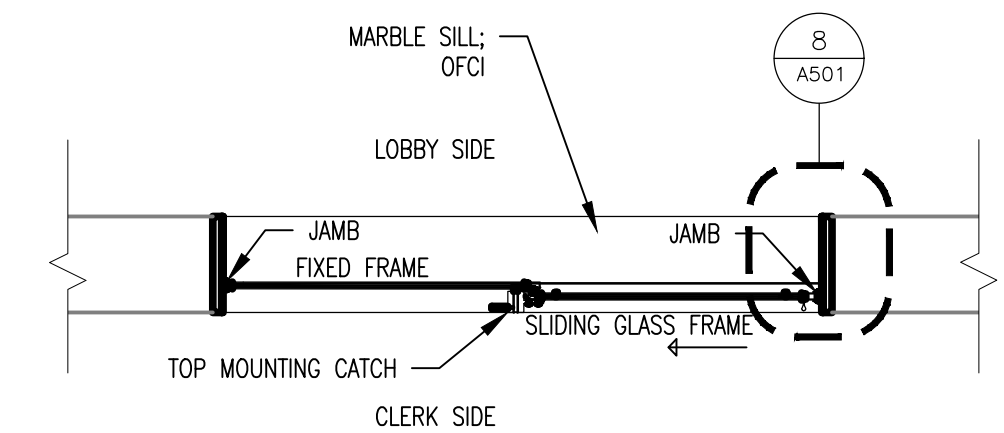


4 SERVICE WINDOW SECTION
SCALE: 1" = 1'-0"

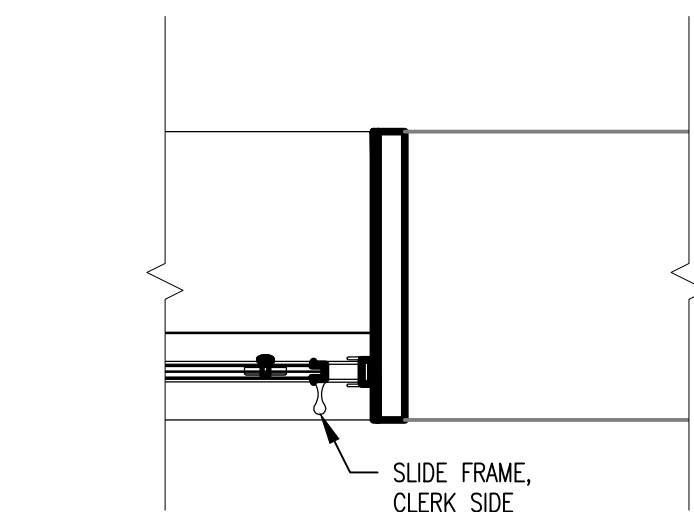


6 SERVICE WINDOW HEAD
SCALE: 3" = 1'-0"

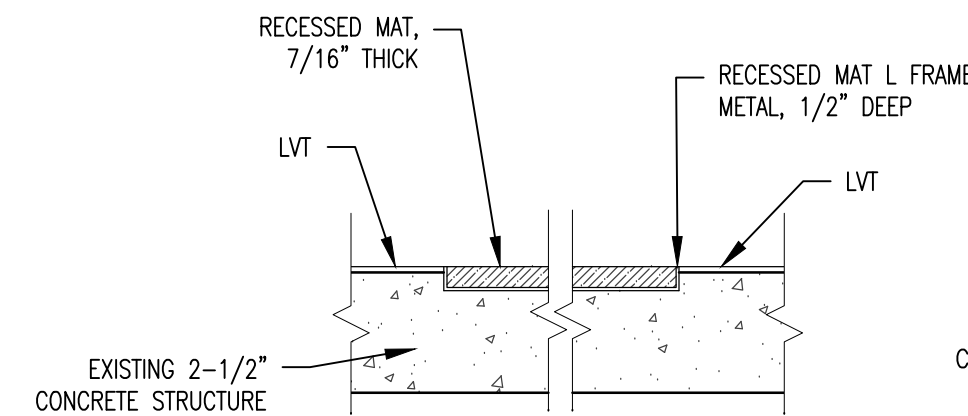
7 SERVICE WINDOW SILL
SCALE: 3" = 1'-0"



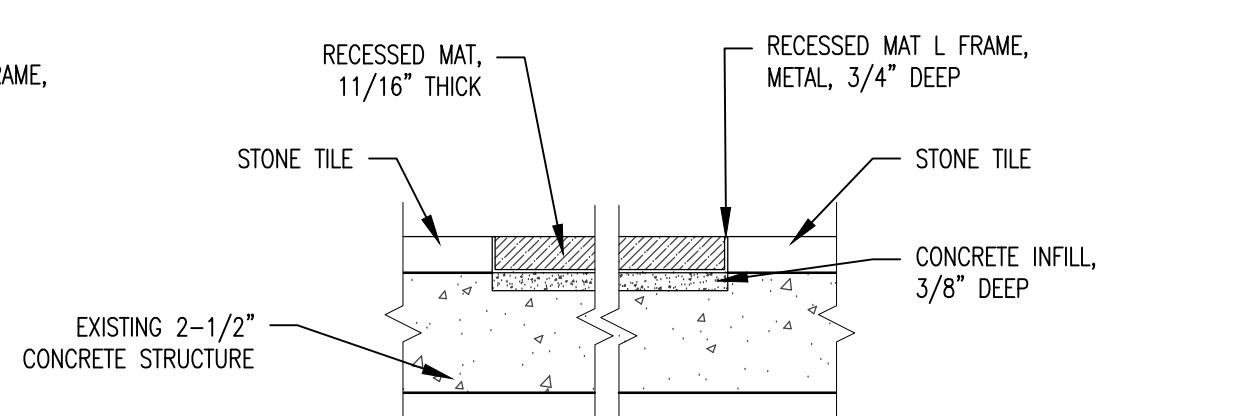
5 SERVICE WINDOW PLAN VIEW
SCALE: 1" = 1'-0"



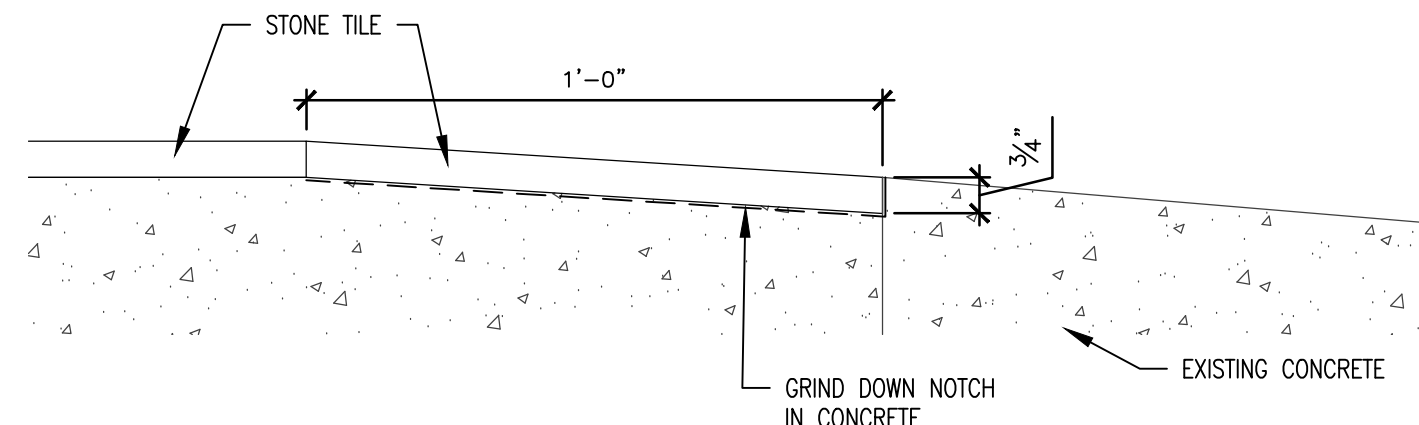
8 SERVICE WINDOW JAMB
SCALE: 3" = 1'-0"



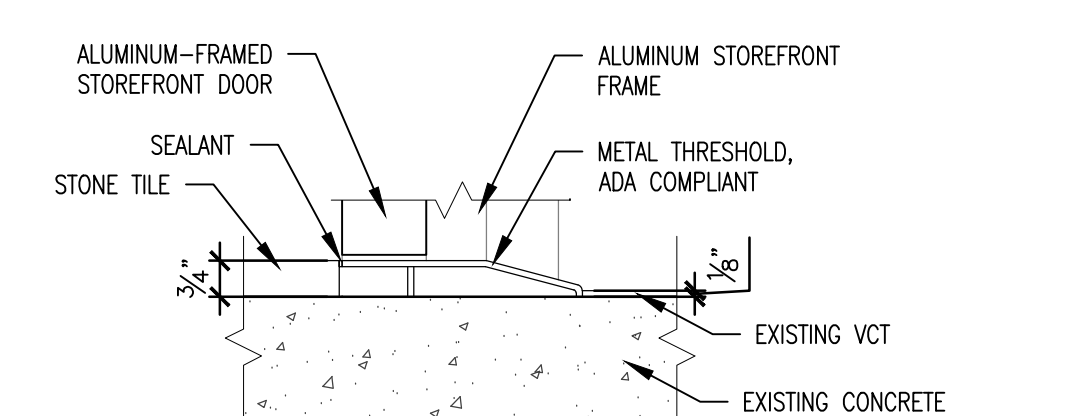
9 RECESSED ENTRANCE MAT
SCALE: 3" = 1'-0"



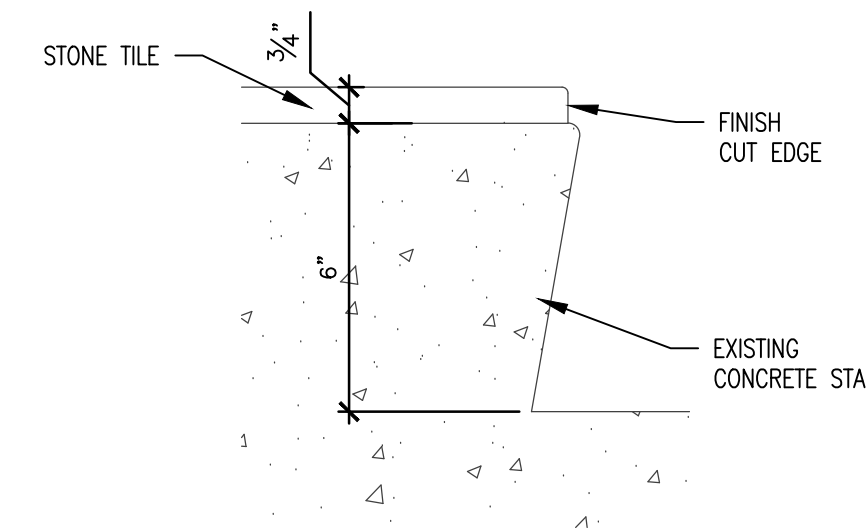
10 ALT. NO 1 - RECESSED ENTRANCE MAT
SCALE: 3" = 1'-0"



12 ALT. NO 1 - TILE AT RAMP SECTION
SCALE: 3" = 1'-0"



11 ALT. NO. 1 - LOBBY DOOR THRESHOLD
SCALE: 3" = 1'-0"



13 ALT. NO 1 - STAIR DETAIL
SCALE: 3" = 1'-0"



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DETAILS

SHEET NUMBER:

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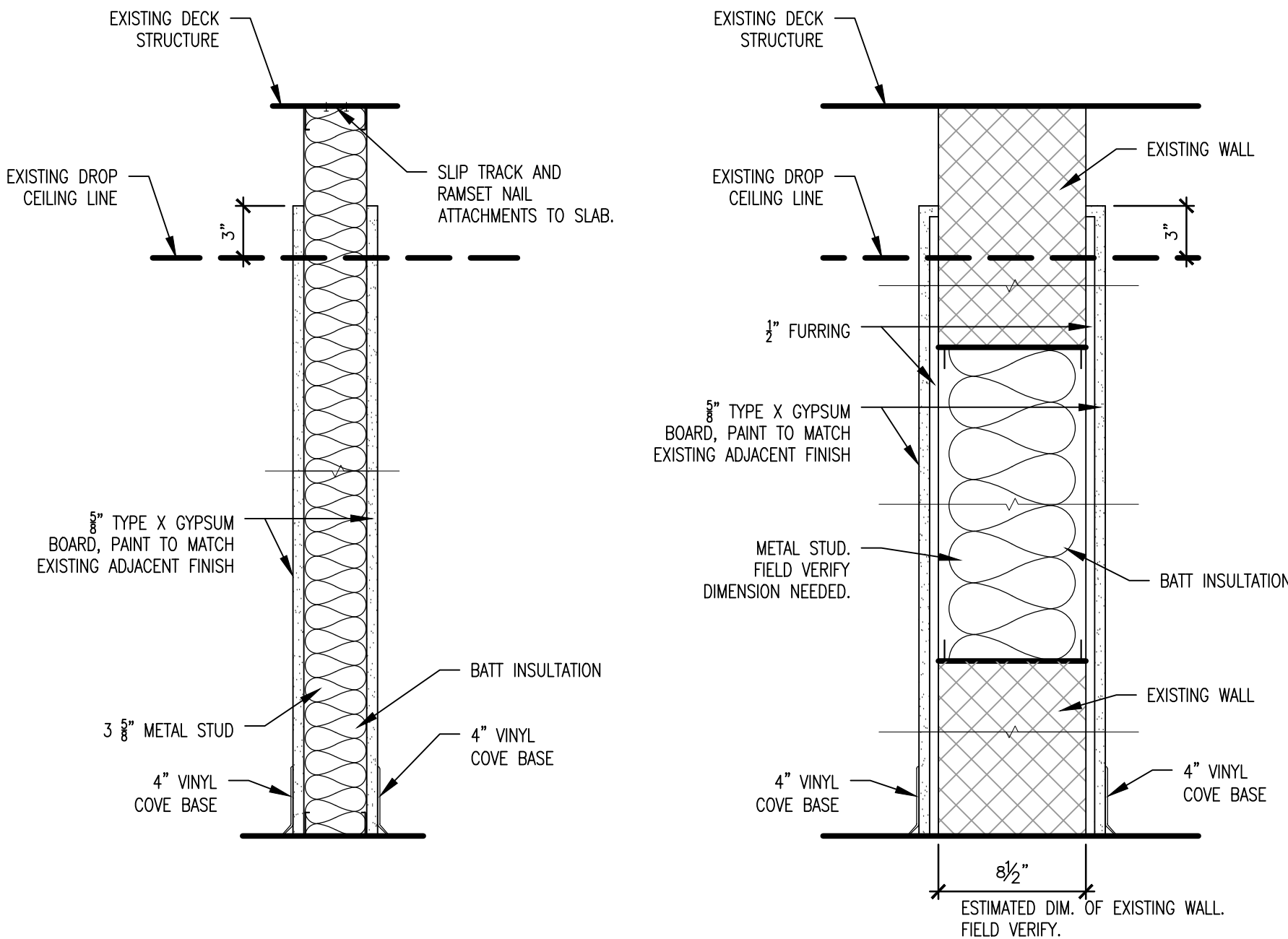
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SCHEDULES

SHEET NUMBER:

A-601

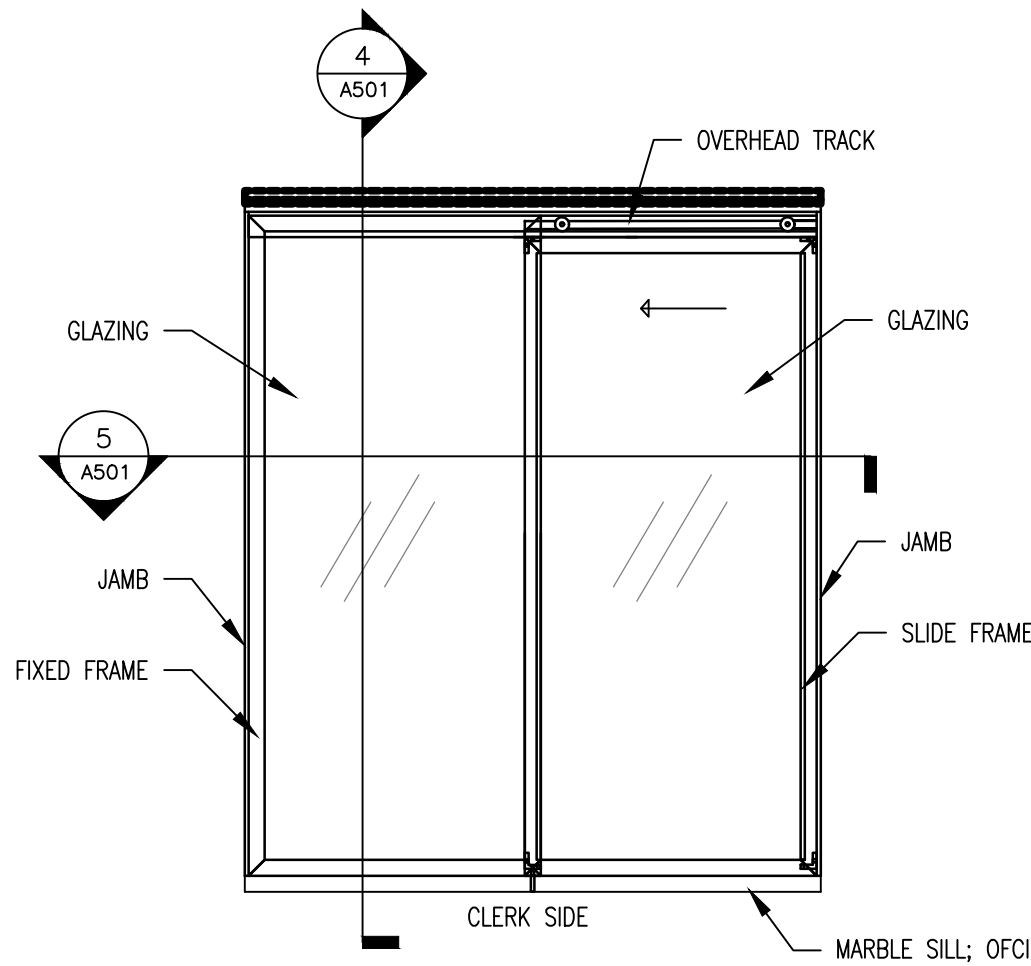
14 OF 18 SHEETS
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A WALL TYPE A
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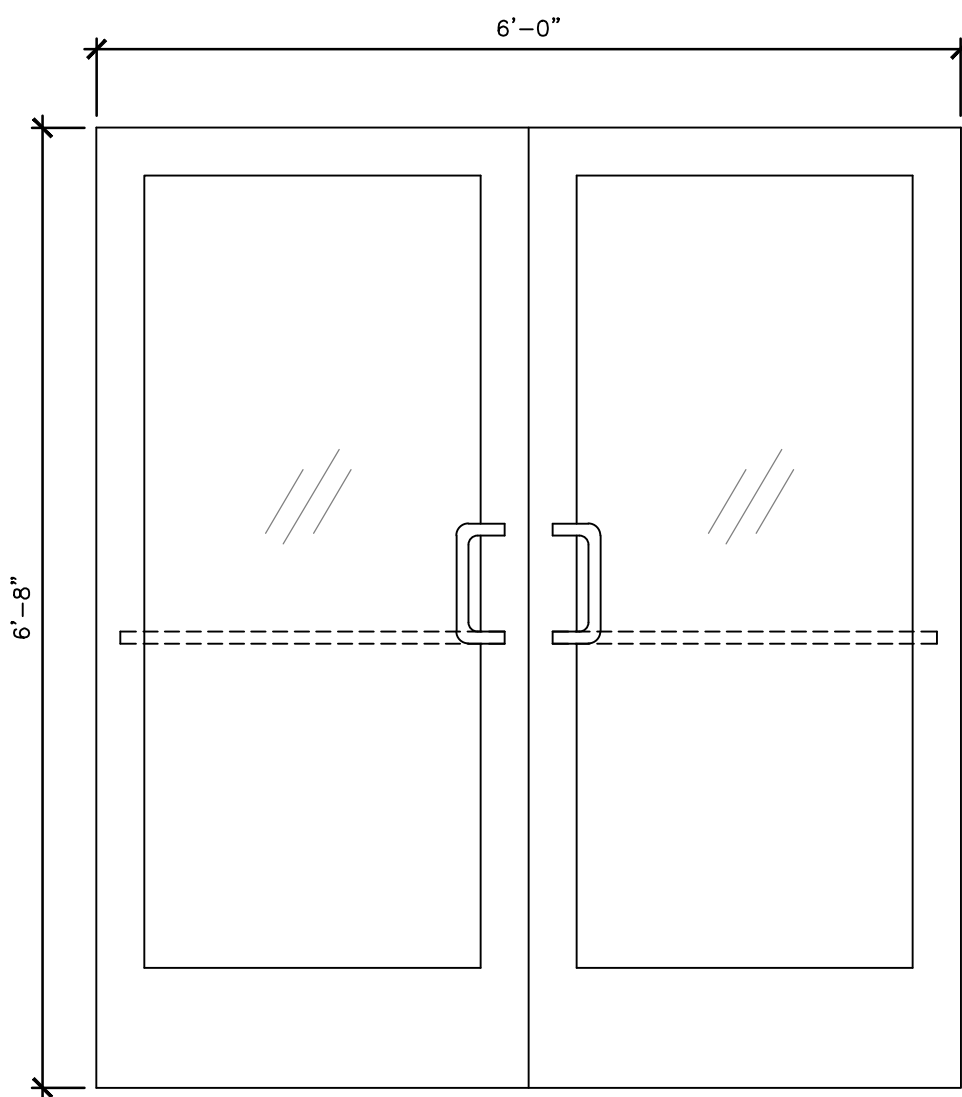
B WALL TYPE B
SCALE: 1 1/2" = 1'-0"

1 WALL TYPE SCHEDULE
SCALE: 1 1/2" = 1'-0"

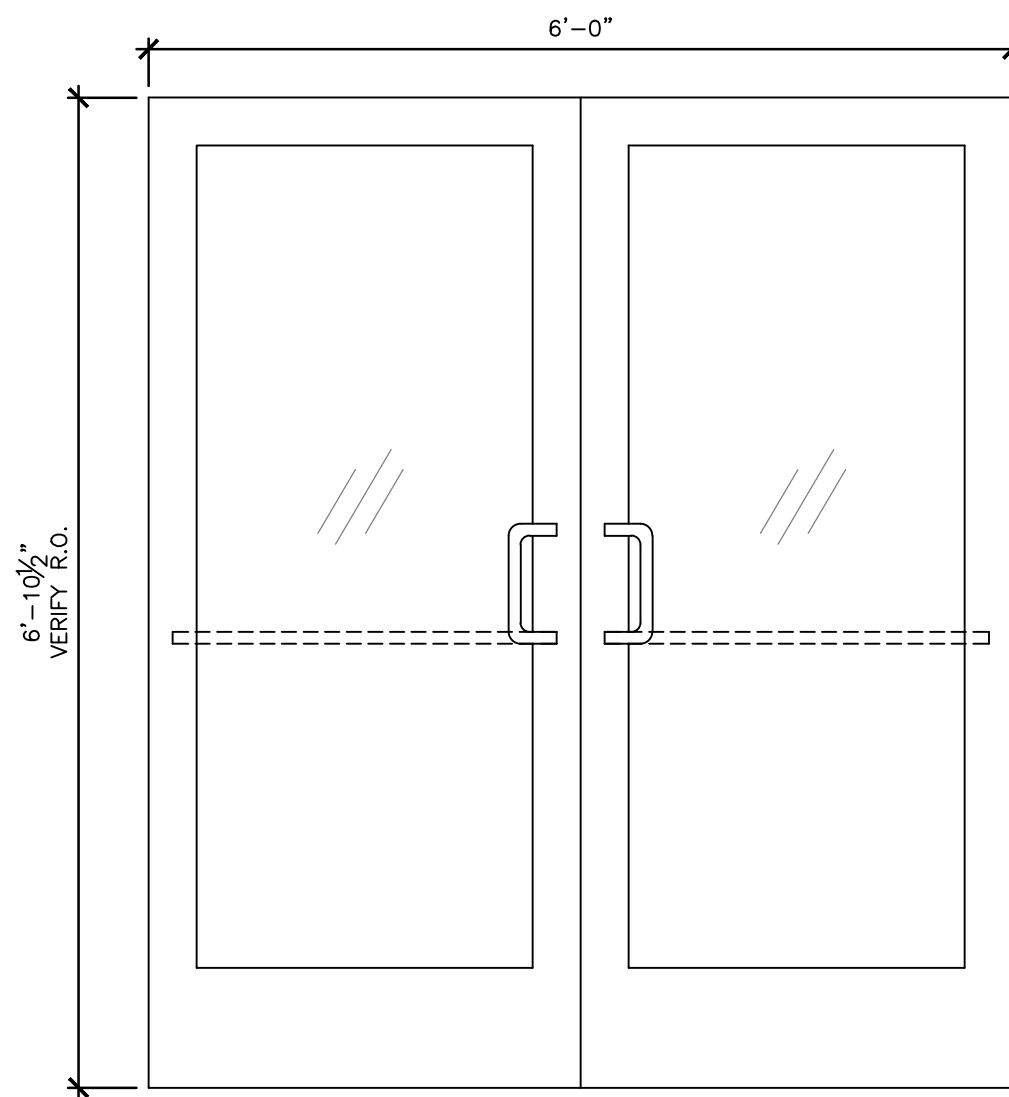


A SERVICE WINDOW
SCALE: 1" = 1'-0"

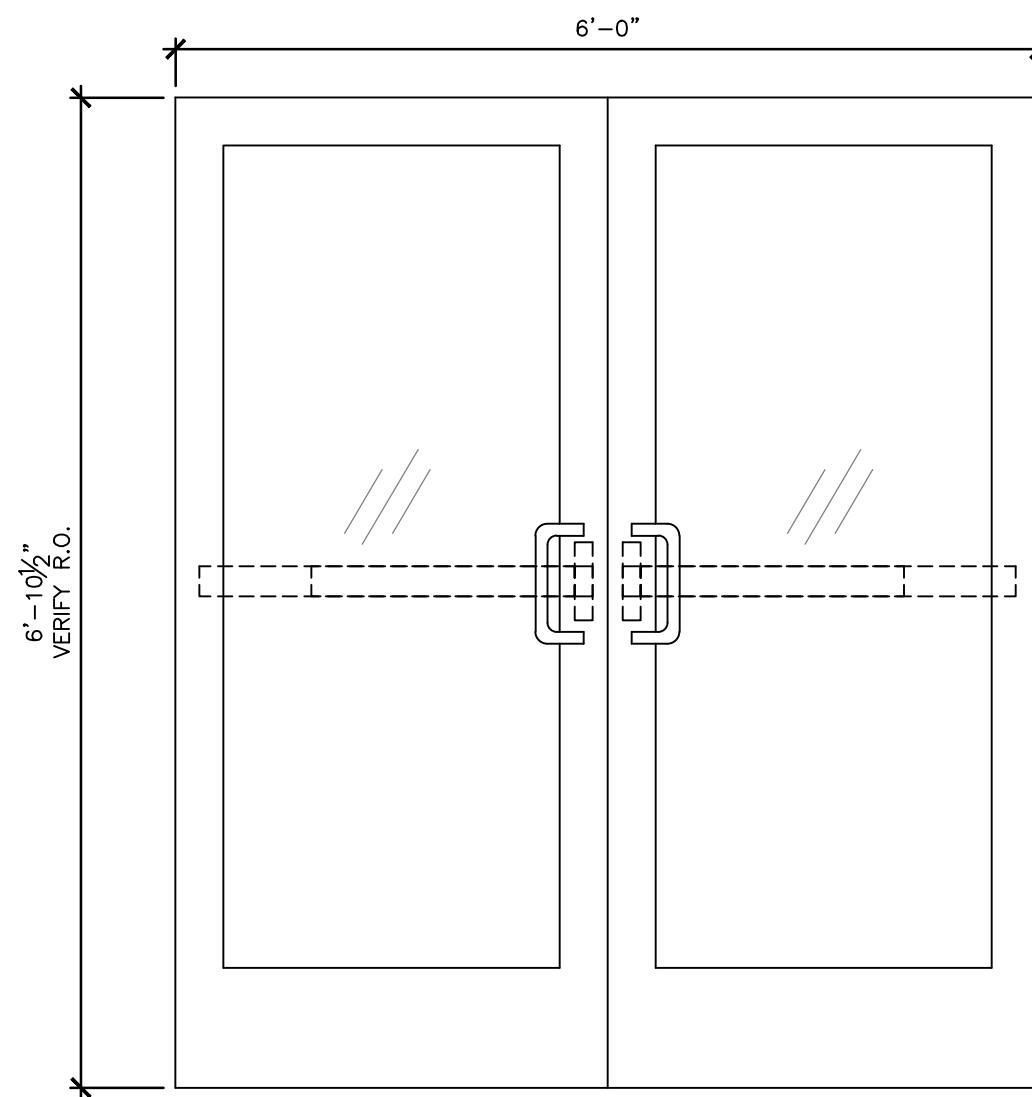
2 WINDOW TYPE SCHDEULE
SCALE: 1" = 1'-0"



D1 INT. STOREFRONT DOOR
SCALE: 3/4" = 1'-0"



D2 ALT. NO. 1 - INT. STOREFRONT DOOR
SCALE: 3/4" = 1'-0"



D3 ALT. NO.1 - EXT. STOREFRONT DOOR
SCALE: 3/4" = 1'-0"

3 DOOR TYPE SCHDEULE
SCALE: 3/4" = 1'-0"

ROOM FINISH SCHEDULE								
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL				NOTES
				NORTH	EAST	SOUTH	WEST	
101	LOBBY	LVT	VINYL	PT	PT	PT	PT	GYP / PT WHERE WALL REMOVAL RESULTS IN EXPOSED UNFINISHED SURFACES. SEE A-104 FOR ALTERNATE NO. 1 FLOOR FINISH.
101A	GALLERY	LVT	VINYL	---	PT	PT	PT	SEE A-104 FOR ALTERNATE NO. 1 FLOOR FINISH.
101B	GALLERY	LVT	VINYL	PT	PT	PT	PT	SEE A-104 FOR ALTERNATE NO. 1 FLOOR FINISH.
116	CORRIDOR	---	VINYL	---	---	---	GYP / PT	
118	CORRIDOR	---	VINYL	GYP / PT	---	---	---	
119	SHIPPING & RECEIVING ROOM	CONC	VINYL	PT	PT	PT	---	
119A	PUBLICATIONS	CPT	VINYL	PT	GYP / PT	GYP / PT	PT	LOCATIONS OF NEW WALL FINISHES ARE INDICATED ON A-103.
119B	STORAGE	CPT	VINYL	PT	PT	PT	PT	
121	GRAPHICS STUDIO	CPT	VINYL	PT	PT	PT	PT	
121A	STORAGE	CPT	VINYL	PT	PT	PT	PT	
LEGEND CPT: CARPET TILE CONC: POLISHED CONCRETE LVT: LUXURY VINYL TILE GYP: GYPSUM BOARD PT: PAINT								

DOOR & FRAME SCHEDULE										
MARK	LOCATION	DOOR					FRAME			NOTES
		SIZE	MATL	GLAZING	TYPE	FINISH	MATL	TYPE	FINISH	
D1	LOBBY	6'-8" X 6'-0"	ALUM & GL	TEMP	STORE-FRONT	MATCH ADJ.	ALUM	STORE-FRONT	MATCH ADJ.	1, 2, 4
D2	VEST. INT.	6'-10 1/2" X 6'-0"	ALUM & GL	TEMP	STORE-FRONT	MATCH EXIST.	EXIST.	EXIST.	EXIST.	1, 4, 5
D3	VEST. EXT.	6'-10 1/2" X 6'-0"	ALUM & GL	TEMP & INSUL.	STORE-FRONT	MATCH EXIST.	EXIST.	EXIST.	EXIST.	1, 2, 3, 4, 5
NOTES 1. REUSE EXISTING DOOR HARDWARE. NOTIFY ARCHITECT OF SALVAGED HARDWARE THAT IS DAMAGED OR NOT FIT FOR REUSE. 2. PROVIDE NEW THRESHOLD. 3. PROVIDE NEW WEATHERSTRIPPING. 4. DOOR SIZES ARE APPROXIMATE. VERIFY ROUGH OPENING REQUIREMENTS PRIOR TO ORDERING DOORS AND FRAMES, AFTER NEW FLOOR IS INSTALLED AND NEW FINISH FLOOR HEIGHT IS CONFIRMED. 5. THIS DOOR IS NOT INCLUDED IN BASE BID. PROVIDE AND INSTALL IF ALTERNATE NO. 1 IS ACCEPTED.						LEGEND ADJ: ADJACENT ALUM: ALUMINUM EXIST: EXISTING EXT: EXTERIOR GL: GLAZING INSUL: INSULATED INT: INTERIOR TEMP: TEMPERED VEST: VESTIBULE				

DOOR HARDWARE LEGEND	
HARDWARE SET 1: DOUBLE STOREFRONT DOOR W/ ACCESS CONTROL. LOCATION: LOBBY.	
6	HINGES
1	ELECTRIFIED LOCKSET
2	PUSH/PULL HANDLES
2	DOOR CLOSERS
1	CARD READER - PROVIDED AND INSTALLED BY OTHERS
NOTES: COORDINATE WITH OWNER FOR KEYING. MOUNT OPERABLE PARTS BETWEEN 34" MINIMUM AND 48" MAXIMUM HEIGHT, FOR ADA COMPLIANCE.	



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REPLACE FLOORING &
RENOVATE FRONT
ENTRANCE

MISSOURI
GEOLOGICAL SURVEY -
BUEHLER BUILDING
ROLLA, MISSOURI 65401

PROJECT # W2303-01
SITE # 5001
ASSET # 7815001007

REVISION: _____
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DATE: _____

ISSUE DATE: 05/09/2025

CAD DWG FILE: W2303-01.DWG
DRAWN BY: TS/AH
CHECKED BY: TS
DESIGNED BY: TS/AH

SHEET TITLE:
FIRE PROTECTION
PLAN - MAIN FLOOR

SHEET NUMBER:

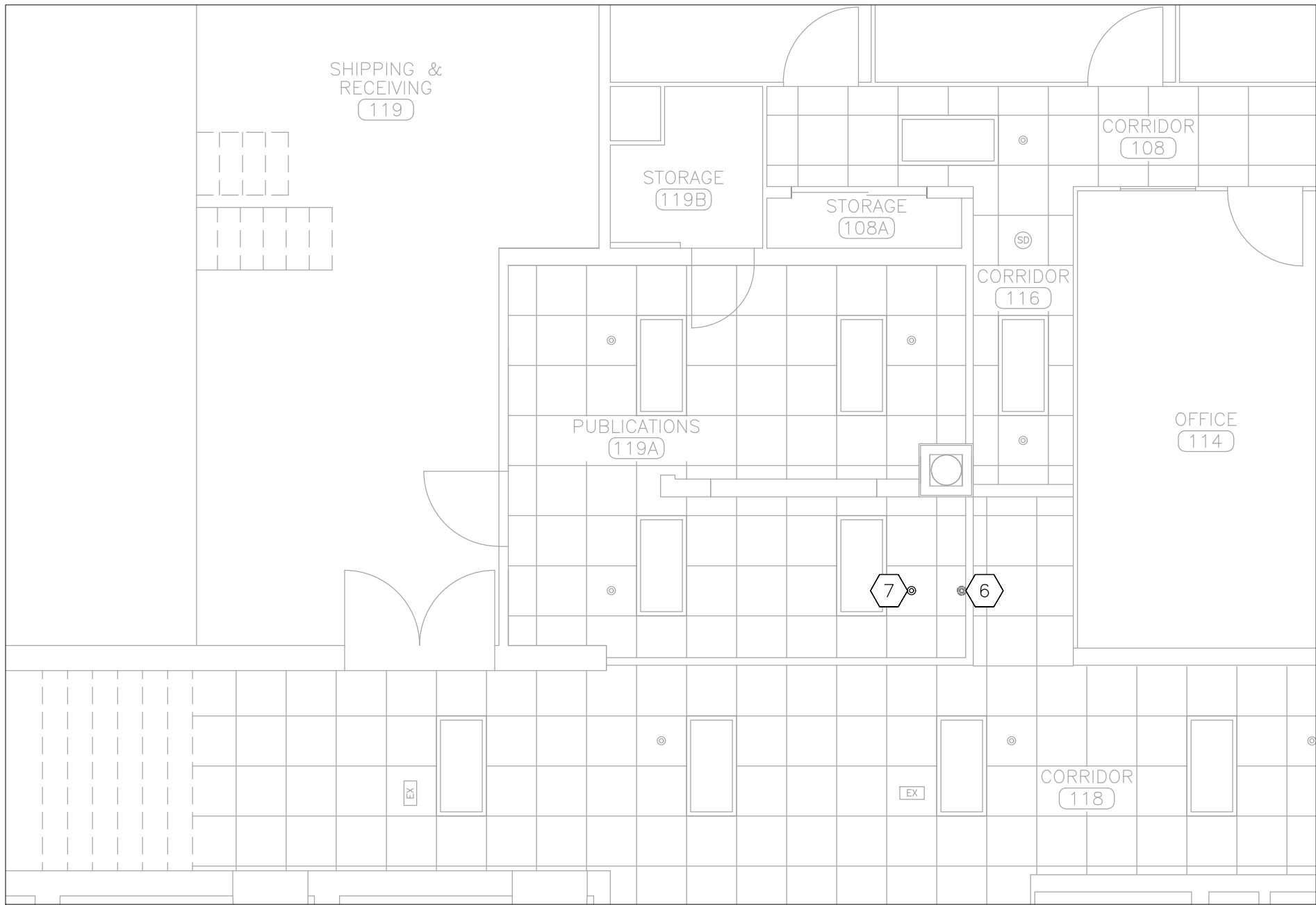
F-101

15 OF 18 SHEETS
05/09/2025

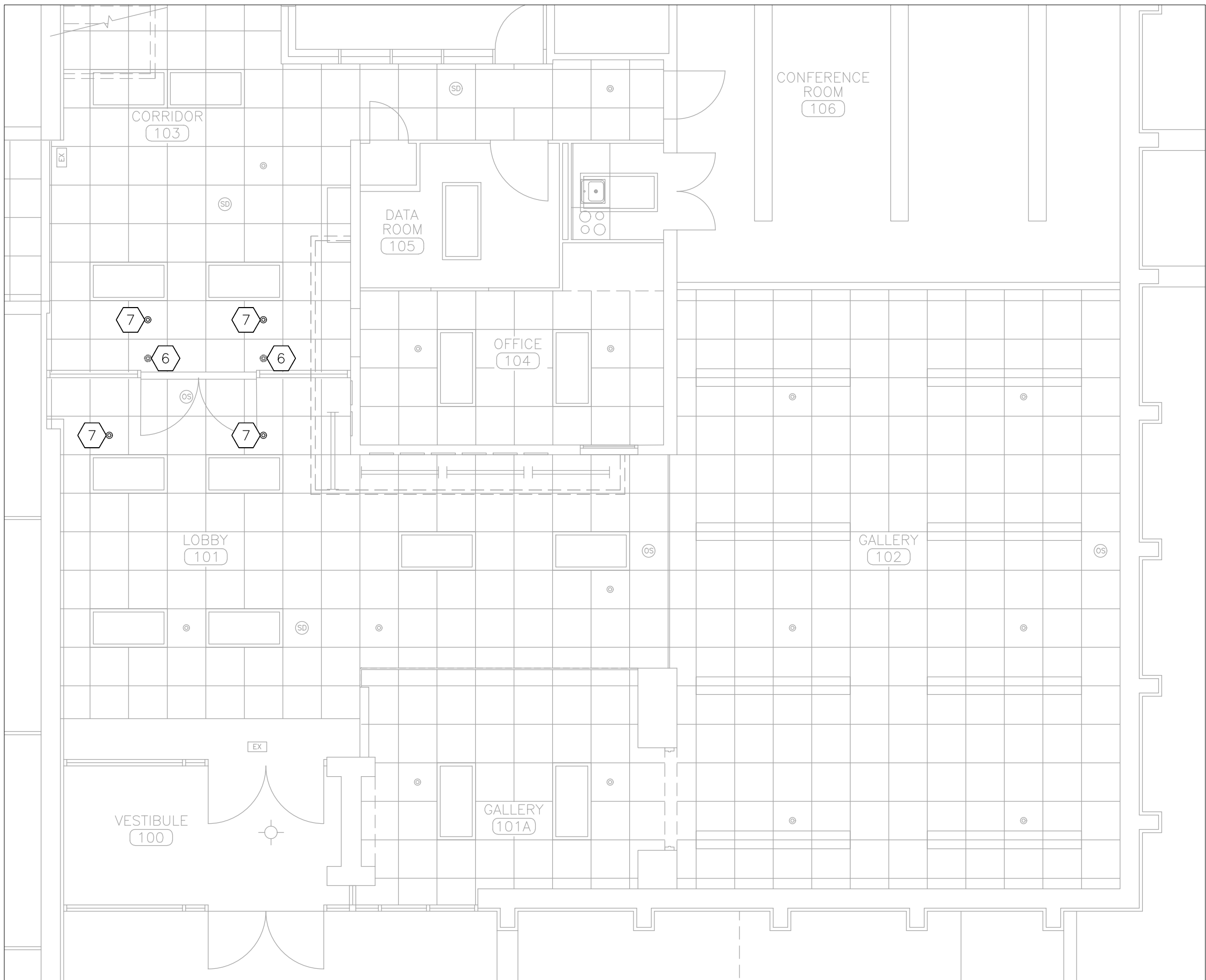
NOTES

INDICATES KEYED NOTES

- FABRICATION, INSTALLATION, AND TESTING OF ALL FIRE PROTECTION DEVICES SHALL BE DONE IN ACCORDANCE WITH THE LATEST VERSION OF THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (NFPA 13), NATIONAL ELECTRIC CODE (NEC), AND ALL MANUFACTURER INSTALLATION GUIDELINES.
- DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING PRIOR TO BIDDING AND/OR CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLISHED MATERIAL, AS WELL AS REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
- COORDINATE WITH OWNER TO SHUT OFF FIRE ALARMS AND FIRE SUPPRESSION SYSTEM IN WORK AREA PRIOR TO BEGINNING CONSTRUCTION. CONSTRUCTION SHALL BE DONE SUCH THAT THE FIRE ALARM AND FIRE SUPPRESSION SYSTEMS ARE ACTIVE OVERNIGHT.
- DELEGATED DESIGN: LOCATION OF NEW SPRINKLER HEADS ARE FOR REFERENCE ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING A COMPLETE, FUNCTIONAL, AND CODE COMPLIANT SYSTEM.
- DEMOLISH FIRE SPRINKLER HEAD. CAP PIPE WHERE HEAD IS REMOVED OR EXTEND PIPE TO NEW SPRINKLER HEAD LOCATION AS NEEDED. IF PIPE NO LONGER SERVES A SPRINKLER HEAD, REMOVE PIPE AND ALL ASSOCIATED HANGERS BACK TO MAIN AND CAP AT MAIN.
- PROVIDE AND INSTALL NEW FIRE SPRINKLER HEAD, ESCUTCHEON, AND ALL REQUIRED PIPE. ALL MATERIALS SHALL MATCH EXISTING FINISH AND PERFORMANCE.

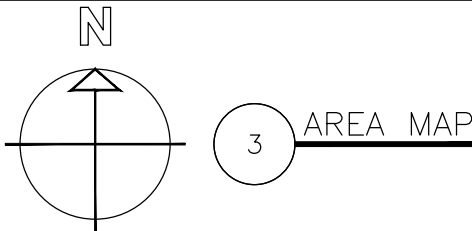
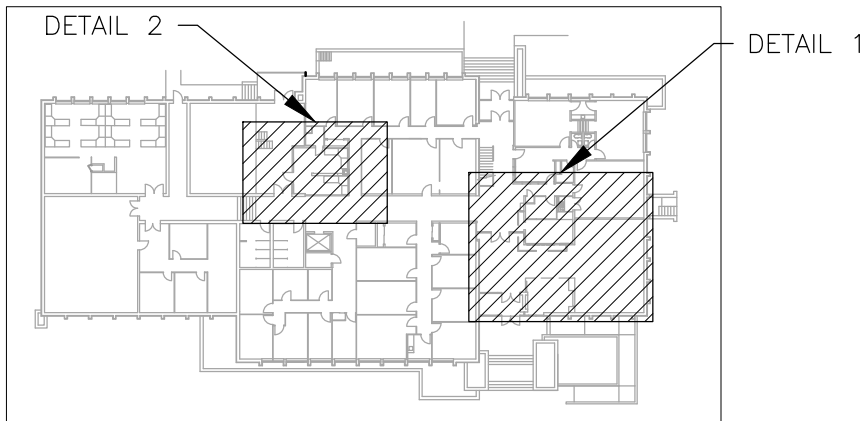


2 FIRE PROTECTION PLAN - PUBLICATIONS (PHASE 1)
SCALE: 3/16" = 1'-0"

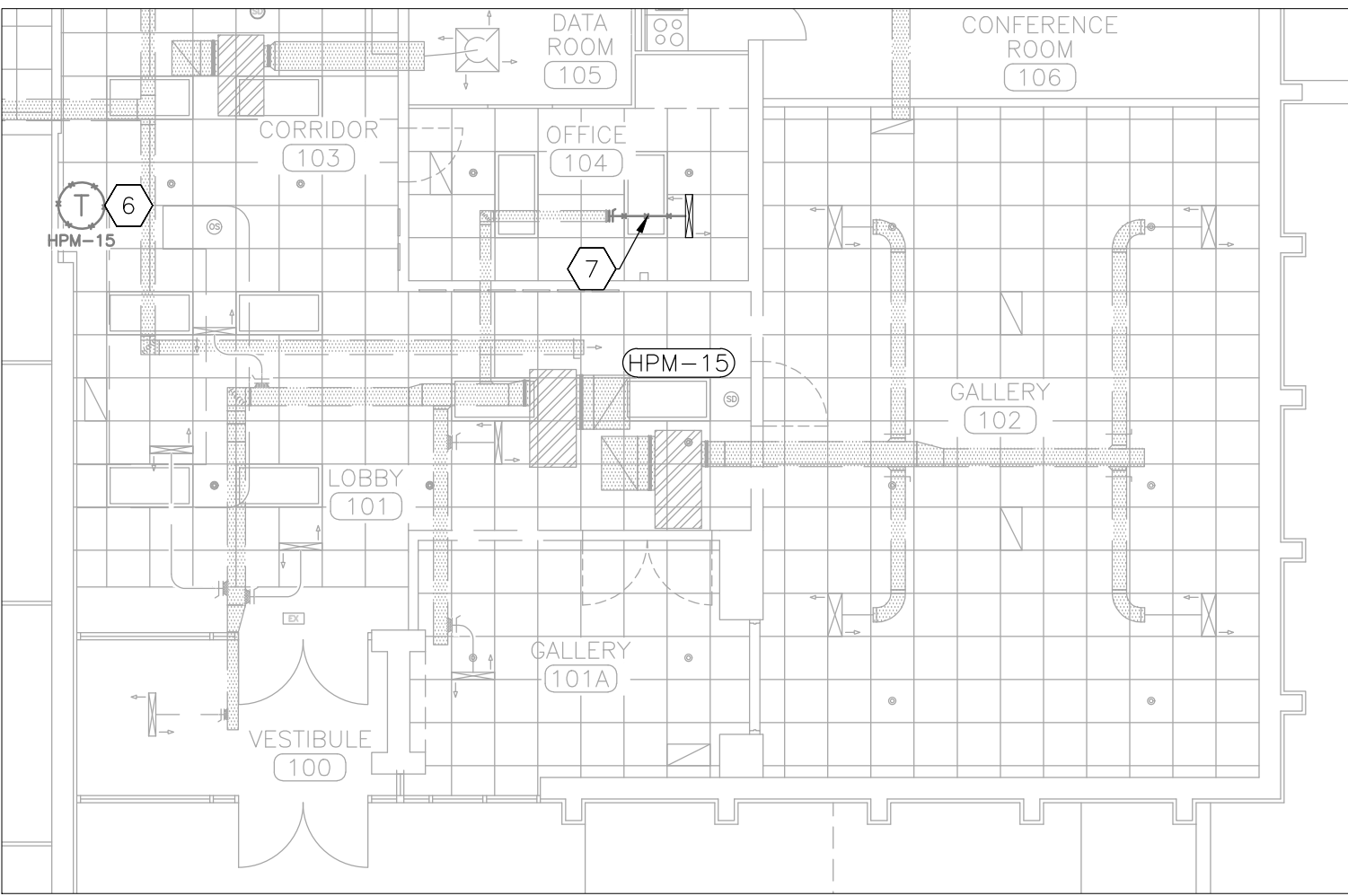


1 FIRE PROTECTION PLAN - FRONT ENTRANCE (PHASE 3)
SCALE: 3/16" = 1'-0"

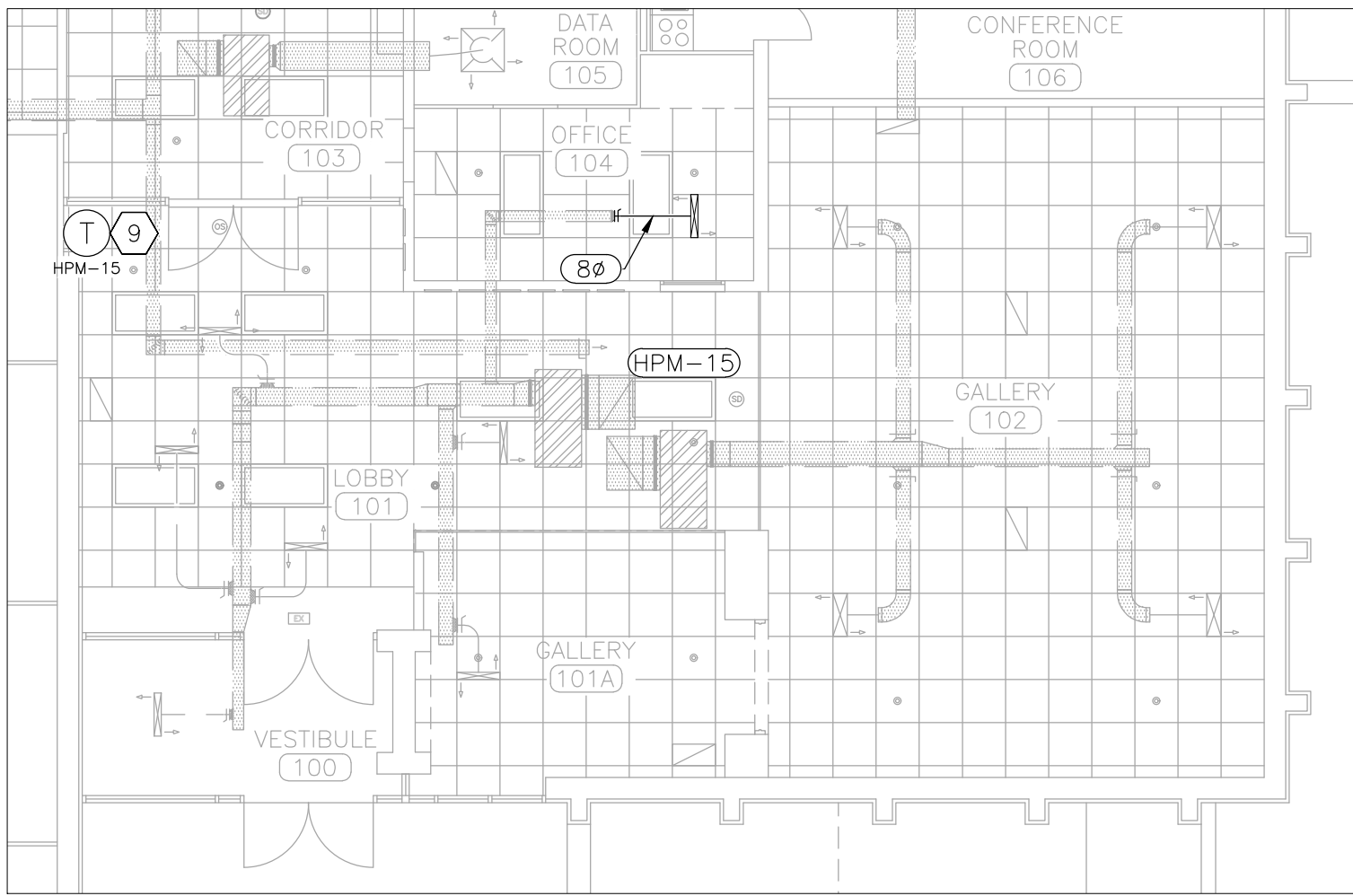
FIRE PROTECTION LEGEND	
⊙	FIRE SPRINKLER HEAD/ESCUTCHEON
---	EXISTING MATERIALS TO BE REMOVED



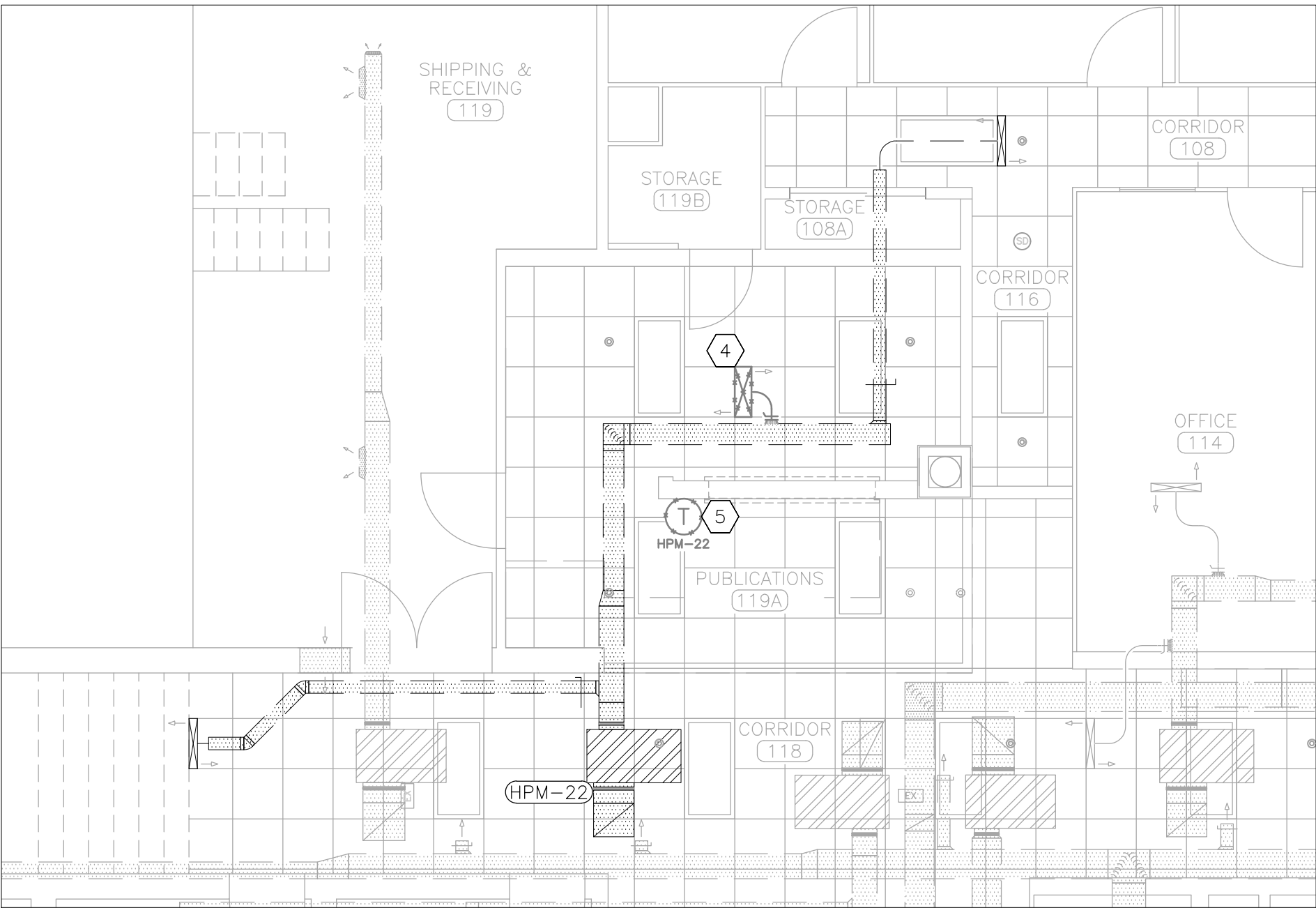
AIR DEVICE SCHEDULE							
MARK	MANUFACTURER	MODEL	NECK SIZE (INCHxINCH)	FACE SIZE (INCHxINCH)	TYPE	SPECIFICATION	NOTES
S1	PRICE	TBD3100	SEE PLANS	24	SUPPLY SLOT DIFFUSER ICE TONG PATTERN	MATERIAL: EXTRUDED ALUMINUM W/ INSULATED STEEL PLENUM; FINISH: WHITE; SLOT: THREE 1" SLOTS	1
R1	PRICE	535	SEE PLANS	24x12	RETURN LAY-IN MOUNT	MATERIAL: STEEL; FINISH: WHITE; BLADES: SINGLE 45° DEFLECTION W/ 1/2 INCH BLADE SPACING AND PARALLEL TO LONG DIMENSION	
BD-1	POTTORFF	CD-21R	MATCH DUCT	N/A	BALANCE DAMPER SINGLE BLADE ROUND	FRAME: 2"x16 GAUGE GALVANIZED STEEL; BLADES: 14 GAUGE GALVANIZED STEEL ROUND; AXLES: 1/2" DIAMETER PLATED STEEL; LINKAGE: CONCEALED IN FRAME; BEARINGS: SYNTHETIC; CONTROL SHAFT: 1/2"x3" DRIVE AXLE	
NOTES							
1	PROVIDE FACTORY INSTALLED EXTERNAL INSULATION; OUTER T-BARS						



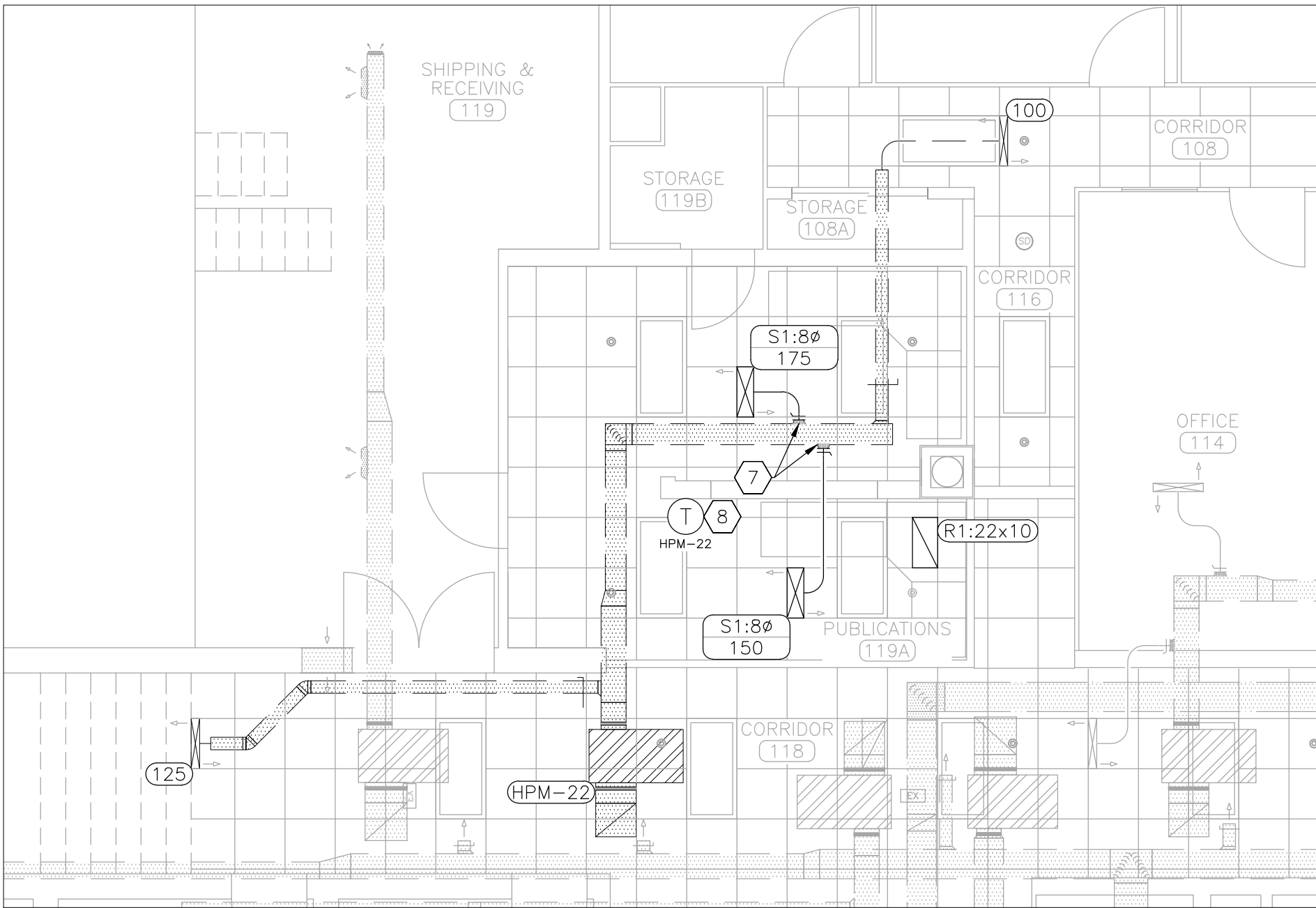
2 MECHANICAL DEMOLITION PLAN – FRONT ENTRANCE (PHASE 3)
SCALE: 1/8" = 1'-0"



4 MECHANICAL RENOVATION PLAN – FRONT ENTRANCE (PHASE 3)
SCALE: 1/8" = 1'-0"



1 MECHANICAL DEMOLITION PLAN – PUBLICATIONS (PHASE 1)
SCALE: 3/16" = 1'-0"



3 MECHANICAL RENOVATION PLAN – PUBLICATIONS (PHASE 1)
SCALE: 3/16" = 1'-0"

DEMOLITION NOTES – DETAILS 1 & 2

INDICATES KEYED NOTES

- DEMOLITION DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING PRIOR TO BIDDING AND/OR CONSTRUCTION.
- COVER ALL OPENINGS INTO THE BUILDING FROM THE WORK AREA. ENSURE DEBRIS IS REMOVED FROM THE CONSTRUCTION AND DEMOLITION AREA AND AIR BORN DEBRIS IS NOT ALLOWED TO TRAVEL TO THE REMAINDER OF THE BUILDING. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLISHED MATERIAL.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
- DEMOLISH SUPPLY AIR DEVICE. DEMOLISH ASSOCIATED TAKE-OFF AND PATCH DUCT TO REMAIN. PROVIDE AIR TIGHT SEAL AND INSULATE TO MATCH EXISTING.
- REMOVE AND RETAIN THERMOSTAT FOR USE IN NEW CONSTRUCTION. ASSOCIATED CONTROLS WIRING TO REMAIN.
- REMOVE AND RETAIN THERMOSTAT FOR USE IN NEW CONSTRUCTION. DEMOLISH ASSOCIATED CONTROLS WIRING TO ABOVE CEILING FOR USE IN NEW CONSTRUCTION.
- SUPPLY AIR DEVICE TO REMAIN. DEMOLISH DAMAGED DUCT BACK TO TAKE-OFF. TAKE-OFF TO REMAIN FOR USE IN NEW CONSTRUCTION.

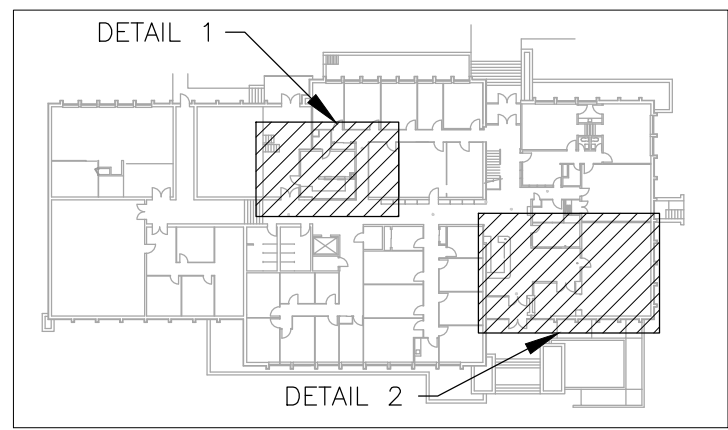
RENOVATION NOTES – DETAILS 3 & 4

INDICATES KEYED NOTES

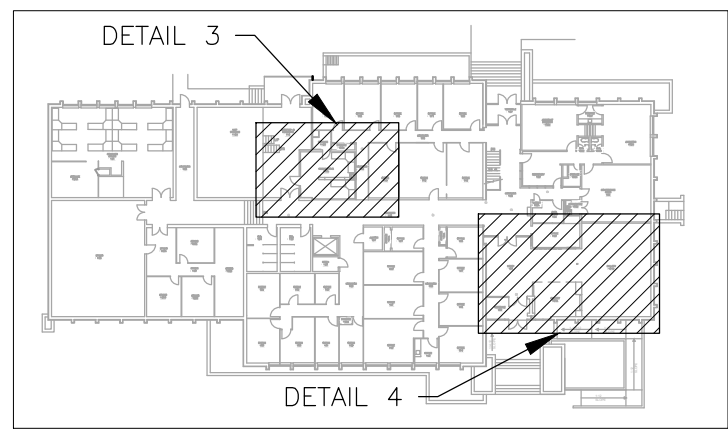
- FABRICATION, INSTALLATION, AND TESTING OF ALL HVAC SYSTEMS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE INTERNATIONAL MECHANICAL CODE (IMC) AND ALL MANUFACTURER INSTALLATION GUIDELINES.
- ALL METALLIC AND FLEXIBLE DUCTS SHALL BE CONSTRUCTED AND INSTALLED AS SPECIFIED IN THE IMC AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
- TEST AND BALANCE HEAT PUMP HPM-22 AIRFLOW TO SPECIFIED VALUES AND PREPARE A BALANCE REPORT PER ASHRAE STANDARD 111 OR EQUAL. REPORT SHALL BE SENT TO THE ENGINEER FOR APPROVAL PRIOR TO FINAL COMPLETION. BALANCE DAMPERS ARE REQUIRED ON ALL SUPPLY AIR DEVICES. INSTALL BALANCE DAMPER (BD-1) ON ANY NEW TAKE-OFF. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ROUND DUCT SHALL MAINTAIN A CENTERLINE TURNING RADIUS OF 1.5 X DUCT DIAMETER. FLEXIBLE DUCT SHALL BE 5 FEET MAXIMUM LENGTH AND BE SUPPORTED TO MINIMIZE STATIC PRESSURE DROP.
- ALL INSULATION SHALL MEET THE ASTM E 84 FLAME/SMOKE SPREAD INDEX OF 25/50 MAXIMUM. DUCT SEAMS SHALL BE SEALED:
 - SUPPLY DUCT LOCATED ABOVE THE CEILING: EXTERNAL INSULATION; INSTALLED R-VALUE: R-6.0; MINIMUM THERMAL CONDUCTIVITY OF 0.25 BTU-IN/HR/SF/F WITH VAPOR BARRIER.
- PROVIDE SUITABLE SUPPORTS FOR STABILITY OF ALL HVAC DEVICES AND DUCT.
- PROVIDE AND INSTALL NEW TAKE-OFF AND ROUTE DUCT TO SUPPLY AIR DEVICE.
- PROVIDE AND INSTALL EXTENSION RING. INSTALL RETAINED THERMOSTAT.
- INSTALL RETAINED THERMOSTAT AS SHOWN. EXTEND CONTROLS WIRING AS NEEDED TO COMPLETE THE WORK.

HVAC LEGEND

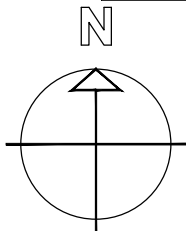
HPM-##	EXISTING EQUIPMENT LABEL
T HPM-#	THERMOSTAT WITH EQUIPMENT LABEL
S1:6ø 50	AIR DEVICE: NECK SIZE (INCHES)/CFM
R1:18x30	RETURN AIR DEVICE: NECK SIZE (INCHES)
8ø	DUCT SIZE-ROUND (INCHES DIAMETER)
350	AIR FLOW (CUBIC FEET PER MINUTE)
	HVAC EQUIPMENT – EXISTING
	SUPPLY AIR – NEW
	SUPPLY AIR – EXISTING
	RETURN AIR – EXISTING
	EXHAUST AIR – EXISTING
	EXISTING MATERIALS TO BE REMOVED



6 AREA MAP – DEMOLITION



5 AREA MAP-RENOVATION



STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



Tracie L. Siebeneck - Engineer
MO# PE-2013019114

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PROJECT # W2303-01
SITE # 5001
ASSET # 7815001007

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ISSUE DATE: 05/09/2025

CAD DWG FILE: W2303-01.DWG
DRAWN BY: TS/AH
CHECKED BY: TS
DESIGNED BY: TS/AH

SHEET TITLE:
MECHANICAL PLAN
MAIN FLOOR

SHEET NUMBER:

M-101

16 OF 18 SHEETS
05/09/2025



Tracie L. Siebeneck - Engineer
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CAD DWG FILE: W2303-01.DWG
DRAWN BY: TS/AH
CHECKED BY: TS
DESIGNED BY: TS/AH

SHEET TITLE:
ELECTRICAL
DEMOLITION PLAN
MAIN FLOOR

SHEET NUMBER:

E-101

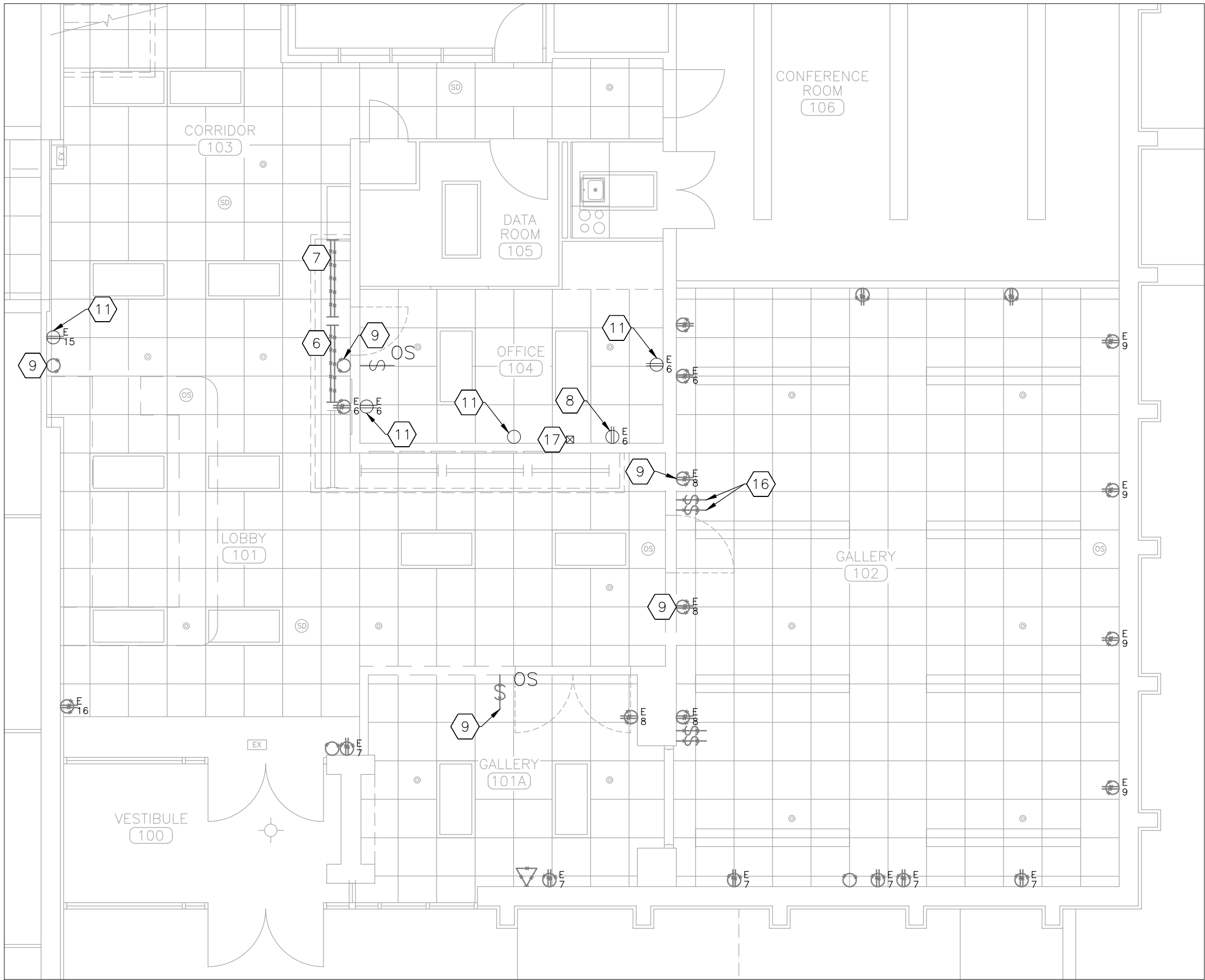
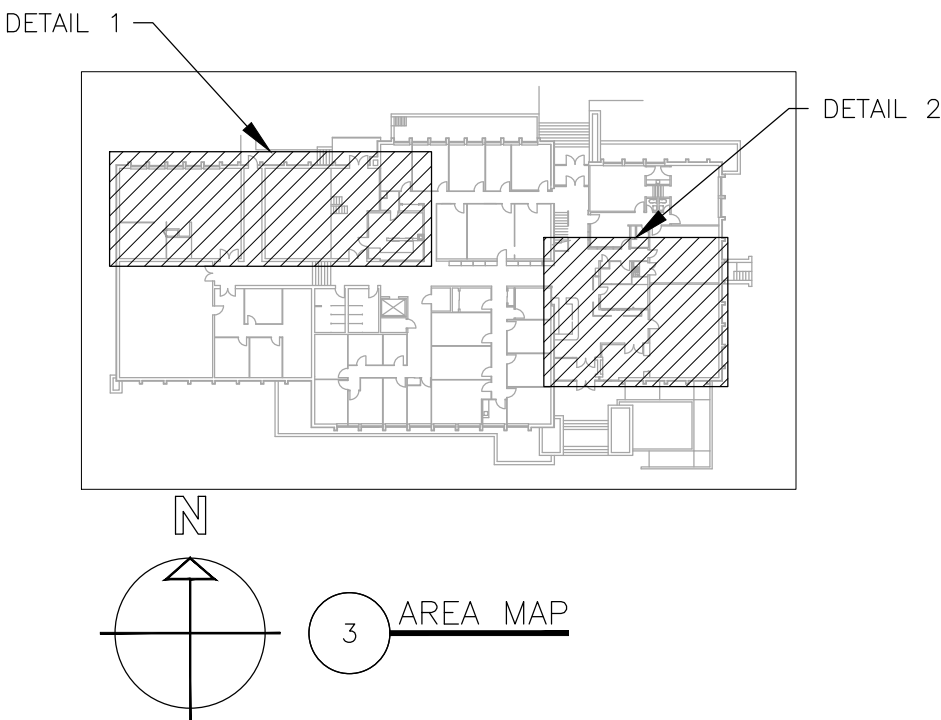
17 OF 18 SHEETS
05/09/2025

DEMOLITION NOTES

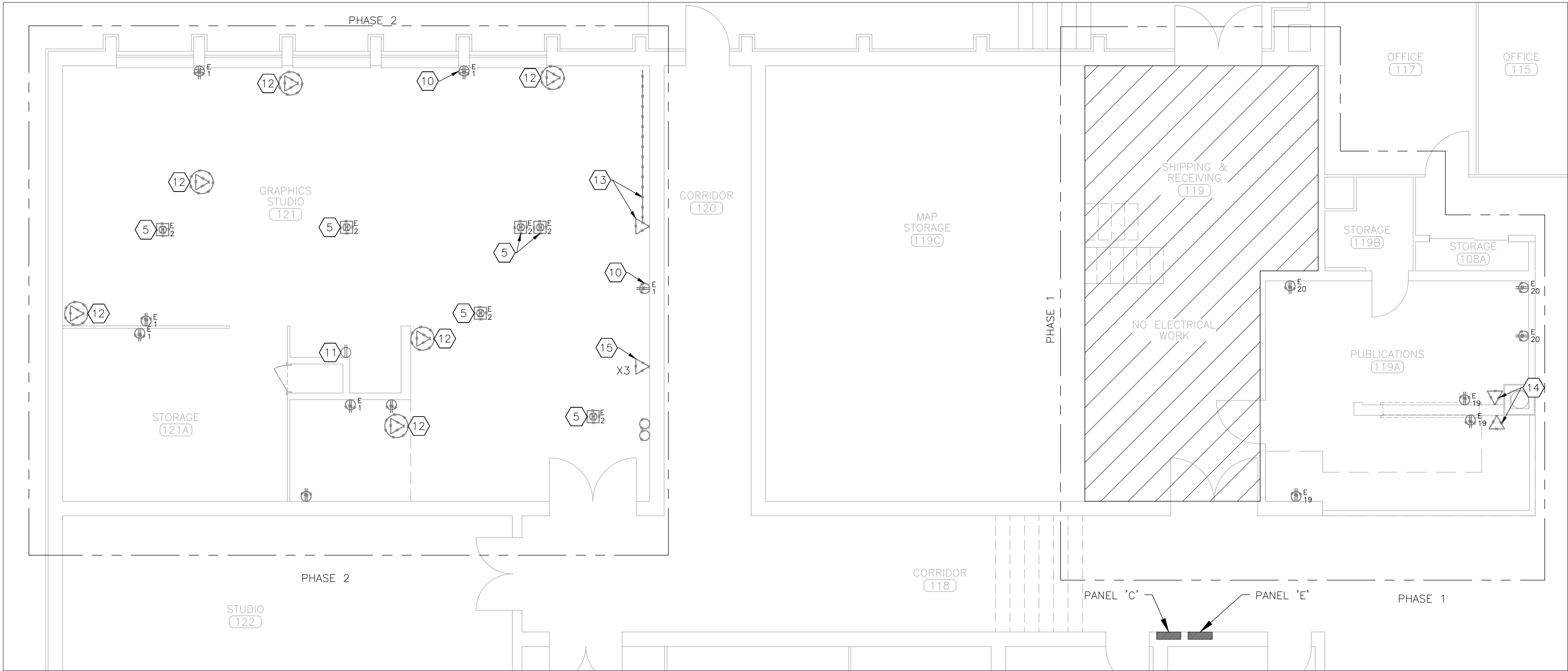
INDICATES KEYED NOTES

- DEMOLITION DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING PRIOR TO BIDDING AND/OR CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
- CONTRACTOR MAY REUSE EXISTING CONDUIT AND CONDUCTORS IF THEY ARE INSTALLED PER THE LATEST EDITION OF THE NEC. CONTRACTOR SHALL DISPOSE OF ANY UNUSED CONDUIT AND CONDUCTORS.
- UNLESS OTHERWISE NOTED, DEMOLISH ALL RECEPTACLES, WALL SWITCHES, AND WALL PLATES LOCATED WITHIN WALLS TO RECEIVE NEW SURFACE FINISH. DEVICE BOX, CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- DEMOLISH CONDUCTORS BACK TO PANEL AND DEMOLISH FLOOR BOX. COORDINATE WITH GENERAL CONTRACTOR TO REPAIR FLOOR.
- DEMOLISH SOFFIT LIGHT FIXTURE. DEMOLISH CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. MAINTAIN EXISTING CIRCUIT AND SENSOR FOR LIGHTS TO REMAIN.
- REMOVE AND RETAIN SOFFIT LIGHT FIXTURE. CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- GENERAL CONTRACTOR TO SELECTIVELY DEMOLISH EXISTING WALL TO INSTALL NEW WINDOW. DEMOLISH CONDUIT AND CONDUCTORS ASSOCIATED WITH RECEPTACLE TO REMAIN AS NEEDED TO COMPLETE THE WORK.
- DEMOLISH OCCUPANCY SENSOR/RECEPTACLE/WALL PLATE AND ASSOCIATED DEVICE BOX. DEMOLISH CONDUIT AND CONDUCTORS TO NEAREST JUNCTION BOX. PERFORM WORK SUCH THAT CIRCUIT REMAINS INTACT FOR REMAINING ELECTRICAL DEVICES ON CIRCUIT.
- DEMOLISH RECEPTACLE AND WALL PLATE. DEVICE BOX AND CONDUIT TO REMAIN FOR USE IN NEW CONSTRUCTION. PULL CONDUCTORS TO NEAREST JUNCTION BOX AND PERFORM WORK SUCH THAT CIRCUIT REMAINS INTACT FOR REMAINING ELECTRICAL DEVICES ON CIRCUIT.
- RECEPTACLE/WALL SWITCH AND WALL PLATE TO REMAIN.
- PULL EXPOSED DATA WIRE TO ABOVE SUSPENDED CEILING FOR USE IN NEW CONSTRUCTION.
- DEMOLISH SURFACE MOUNT CONDUIT AND PULL ASSOCIATED DATA CABLE TO DATA ACCESS POINT AS SHOWN. DEMOLISH DATA ACCESS POINT WALL PLATE. DATA CABLE TO REMAIN FOR USE IN NEW CONSTRUCTION.
- DEMOLISH DATA ACCESS POINT. ASSOCIATED DATA CABLE TO REMAIN FOR USE IN NEW CONSTRUCTION.
- DEMOLISH DATA ACCESS POINT. PULL ASSOCIATED DATA CABLE TO ABOVE CEILING FOR USE IN NEW CONSTRUCTION.
- DEMOLISH WALL SWITCH, WALL PLATE, AND DEVICE BOX. DEMOLISH CONDUIT AND CONDUCTORS TO ABOVE CEILING FOR USE IN NEW CONSTRUCTION.
- EXISTING COMMUNICATIONS WIRING DUCT TO REMAIN.

ELECTRICAL LEGEND	
OS	OCCUPANCY SENSOR - CEILING MOUNTED
SD	SMOKE DETECTOR - CEILING MOUNTED
\$ OS	OCCUPANCY SENSOR - WALL MOUNTED
\$	WALL SWITCH
RECEPTACLE - TYPE: DUPLEX	
RECEPTACLE - TYPE: QUAD	
FLOOR BOX -TYPE: DUPLEX	
DATA ACCESS POINT -WALL MOUNT	
DATA ACCESS POINT - CEILING DROP	
BLANK WALL PLATE	
WIRING DUCT - EXISTING	
LIGHT FIXTURE - EXISTING	
ELECTRICAL DEVICE - EXISTING	
EXISTING MATERIALS TO BE REMOVED	



2 POWER AND LIGHTING DEMOLITION PLAN - FRONT ENTRANCE (PHASE 3)
SCALE: 3/16" = 1'-0"



1 POWER DEMOLITION PLAN - PUBLICATIONS AND GRAPHICS STUDIO (PHASE 1 AND 2)
SCALE: 3/16" = 1'-0"



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CAD DWG FILE: W2303-01.DWG
DRAWN BY: TS/AH
CHECKED BY: TS
DESIGNED BY: TS/AH

SHEET TITLE:

ELECTRICAL
RENOVATION PLAN
MAIN FLOOR

SHEET NUMBER:

E-102

18 OF 18 SHEETS
05/09/2025

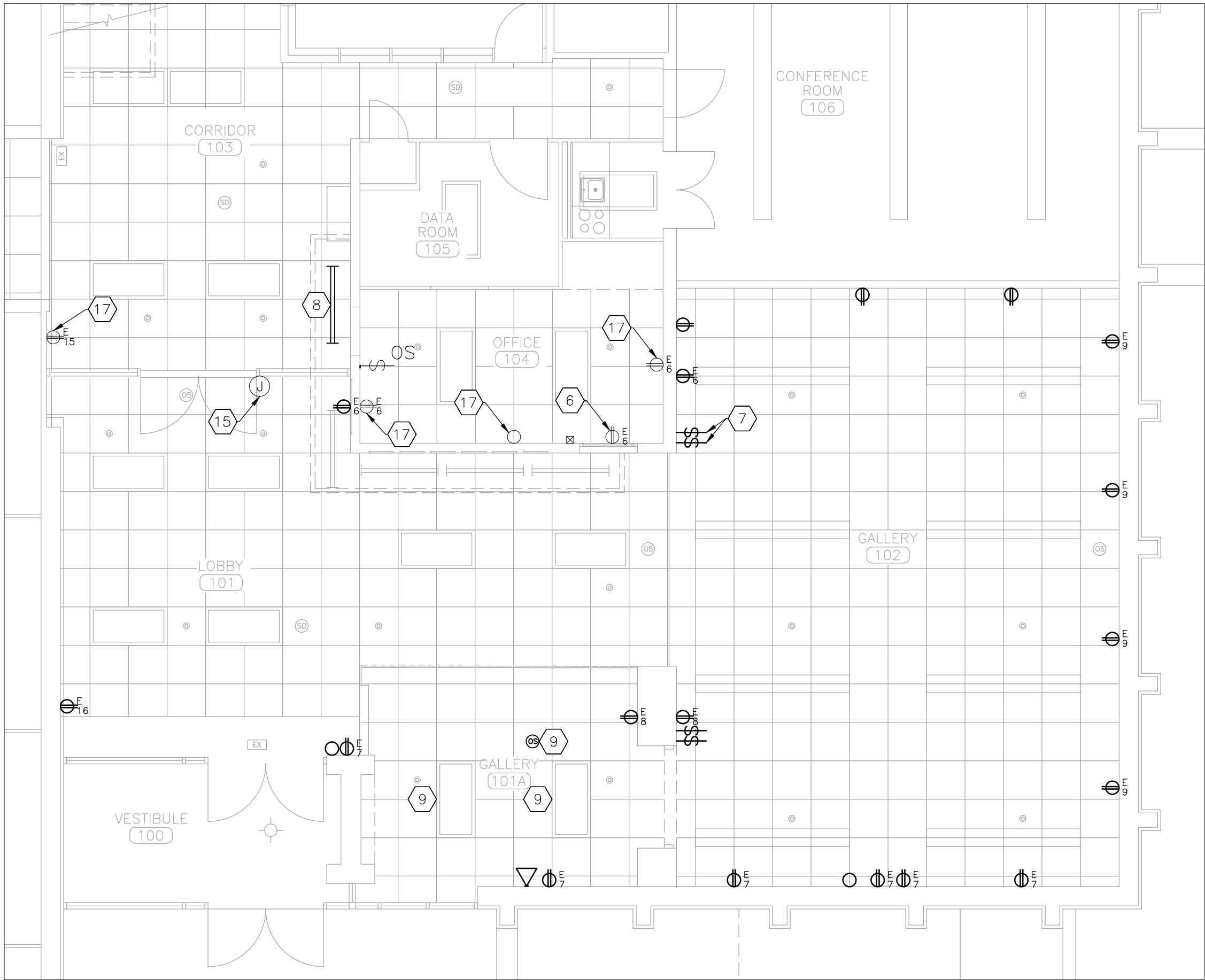
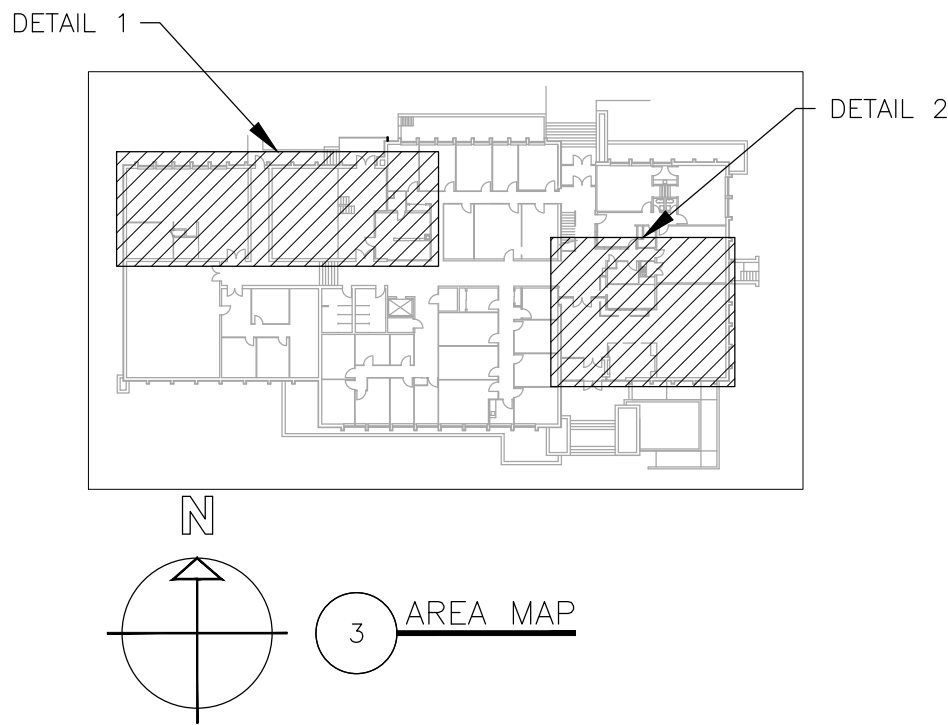
RENOVATION NOTES

INDICATES KEYED NOTES

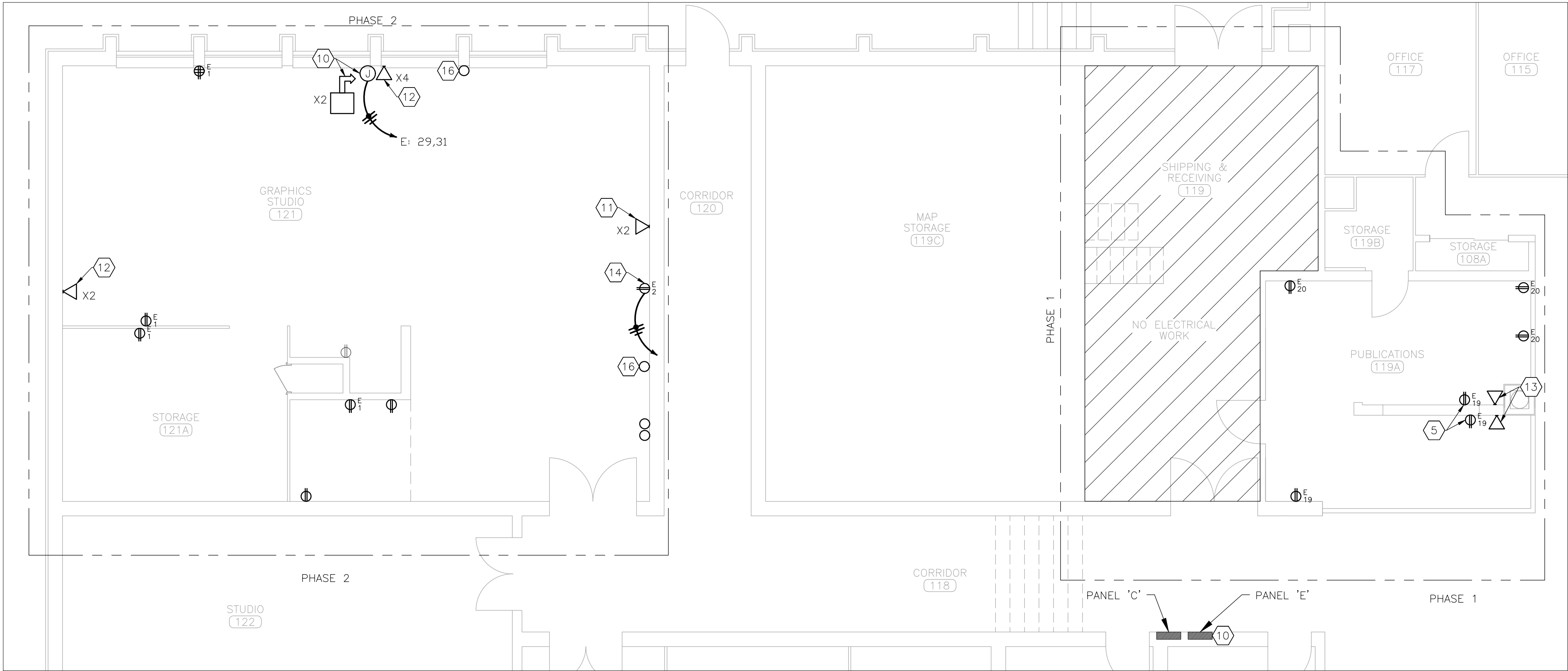
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL MANUFACTURER INSTALLATION GUIDELINES.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS REQUIRED TO COMPLETE THE WORK. ALL EXPOSED LINE VOLTAGE WIRING SHALL BE PULLED IN PROPERLY SIZED CONDUIT (EMT) WITH APPROVED FITTINGS.
- CONTRACTOR SHALL PROVIDE NEW, TYPE WRITTEN, PANEL SCHEDULES FOR ANY ELECTRICAL PANEL IMPACTED BY THE WORK.
- UNLESS OTHERWISE NOTED, PROVIDE NEW RECEPTACLES, WALL SWITCHES, AND WALL PLATES LOCATED WITHIN WALLS TO RECEIVE NEW SURFACE FINISH. PROVIDE LABEL ON EACH RECEPTACLE PER SECTION 260533.
- PROVIDE AND INSTALL EXTENSION RING, RECEPTACLE, AND WALL PLATE. PERFORM WORK SUCH THAT RECEPTACLE IS FLUSH WITH NEW WALL THICKNESS.
- ROUTE CONDUIT AND CONDUCTORS AS NEEDED TO ACCOMMODATE NEW WINDOW AND MAINTAIN RECEPTACLE ON EXISTING CIRCUIT.
- PROVIDE AND INSTALL WALL SWITCH, WALL PLATE, AND DEVICE BOX. EXTEND CONDUIT AND CONDUCTORS TO NEW LOCATION. COORDINATE WITH GENERAL CONTRACTOR TO REPAIR WALL.
- INSTALL RETAINED LIGHT FIXTURE IN NEW LOCATION, CENTER ON SOFFIT AS SHOWN. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO COMPLETE THE WORK.
- PROVIDE AND INSTALL OCCUPANCY SENSOR MODEL "UT-300-1" OR EQUAL WITH POWER PACK. EXTEND CONDUIT AND CONDUCTORS TO NEW CEILING OCCUPANCY SENSOR TO CONTROL LIGHT FIXTURES AS NOTED.
- PROVIDE AND INSTALL SURFACE MOUNT JUNCTION BOX AND SURFACE MOUNTED RACEWAY. EXTEND CIRCUITS TO JUNCTION BOX AND CONNECT SYSTEMS FURNITURE POWER WHIP. PROVIDE STAINLESS STEEL WALL PLATE WITH 3/4 INCH KNOCKOUT. IN PANEL E, REPLACE 20 AMP, 2 POLE BREAKER WITH TWO 20 AMP, 1 POLE BREAKERS. OWNER TO PROVIDE FURNITURE POWER WHIP.
- PROVIDE NEW DATA ACCESS POINT ON EXISTING DEVICE BOX. ROUTE CAT-6 CABLE FROM DATA ACCESS POINT THROUGH SYSTEMS FURNITURE RACEWAY. PROVIDE AND INSTALL WALL BOX WITH ETHERNET WALL PLATE FOR EACH CUBICLE.
- PROVIDE AND INSTALL DATA ACCESS POINT AND SURFACE MOUNT DEVICE BOX. ROUTE 1 INCH SURFACE MOUNTED RACEWAY TO ABOVE SUSPENDED CEILING. ROUTE DATA CABLE RETAINED FROM DEMOLITION TO NEW LOCATION. ROUTE CAT-6 CABLE FROM DATA ACCESS POINT THROUGH SYSTEMS FURNITURE RACEWAY. PROVIDE AND INSTALL WALL BOX WITH ETHERNET WALL PLATE FOR EACH CUBICLE.
- PROVIDE AND INSTALL DATA ACCESS POINT. PERFORM WORK SUCH THAT DATA ACCESS POINT IS FLUSH WITH NEW WALL THICKNESS. ROUTE CAT-6 CABLE FROM DATA ACCESS POINT THROUGH SYSTEMS FURNITURE RACEWAY. PROVIDE AND INSTALL WALL BOX WITH ETHERNET WALL PLATE FOR EACH CUBICLE.
- RECEPTACLE TO SERVE AS DEDICATED CIRCUIT. EXTEND CONDUCTORS FROM BREAKER 2 IN ELECTRICAL PANEL E. PROVIDE AND INSTALL RECEPTACLE AND WALL PLATE IN EXISTING DEVICE BOX.
- PROVIDE AND INSTALL JUNCTION BOX IN NEW HOLLOW METAL FRAME. ROUTE CONDUIT TO ABOVE CEILING WITH BUSHING. SECURITY ACCESS CONTROLS PROVIDED BY OTHERS.
- PROVIDE AND INSTALL BLANK WALL PLATE ON EXISTING DEVICE BOX.
- RECEPTACLE/WALL SWITCH AND WALL PLATE TO REMAIN.

ELECTRICAL LEGEND

OS	OCCUPANCY SENSOR - CEILING MOUNTED
SD	SMOKE DETECTOR - CEILING MOUNTED
\$ OS	OCCUPANCY SENSOR - WALL MOUNTED
\$	WALL SWITCH
RECEPTACLE - TYPE: DUPLEX	
RECEPTACLE - TYPE: QUAD	
SYSTEMS FURNITURE POWER WHIP - PROVIDED W/ FURNITURE PACKAGE - QUANTITY OF CIRCUITS	
J	JUNCTION BOX
DATA ACCESS POINT -QUANTITY OF PORTS	
○	BLANK WALL PLATE
WIRING DUCT - EXISTING	
ELECTRICAL DEVICE - NEW	
ELECTRICAL DEVICE - EXISTING	
WIRE/CONDUIT - NEW	



2 ELECTRICAL RENOVATION PLAN — FRONT ENTRANCE (PHASE 3)
SCALE: 3/16" = 1'-0"



1 POWER RENOVATION PLAN — PUBLICATIONS AND GRAPHICS STUDIO (PHASE 1 AND 2)
SCALE: 3/16" = 1'-0"