

Facility Renovations - Irish Companies

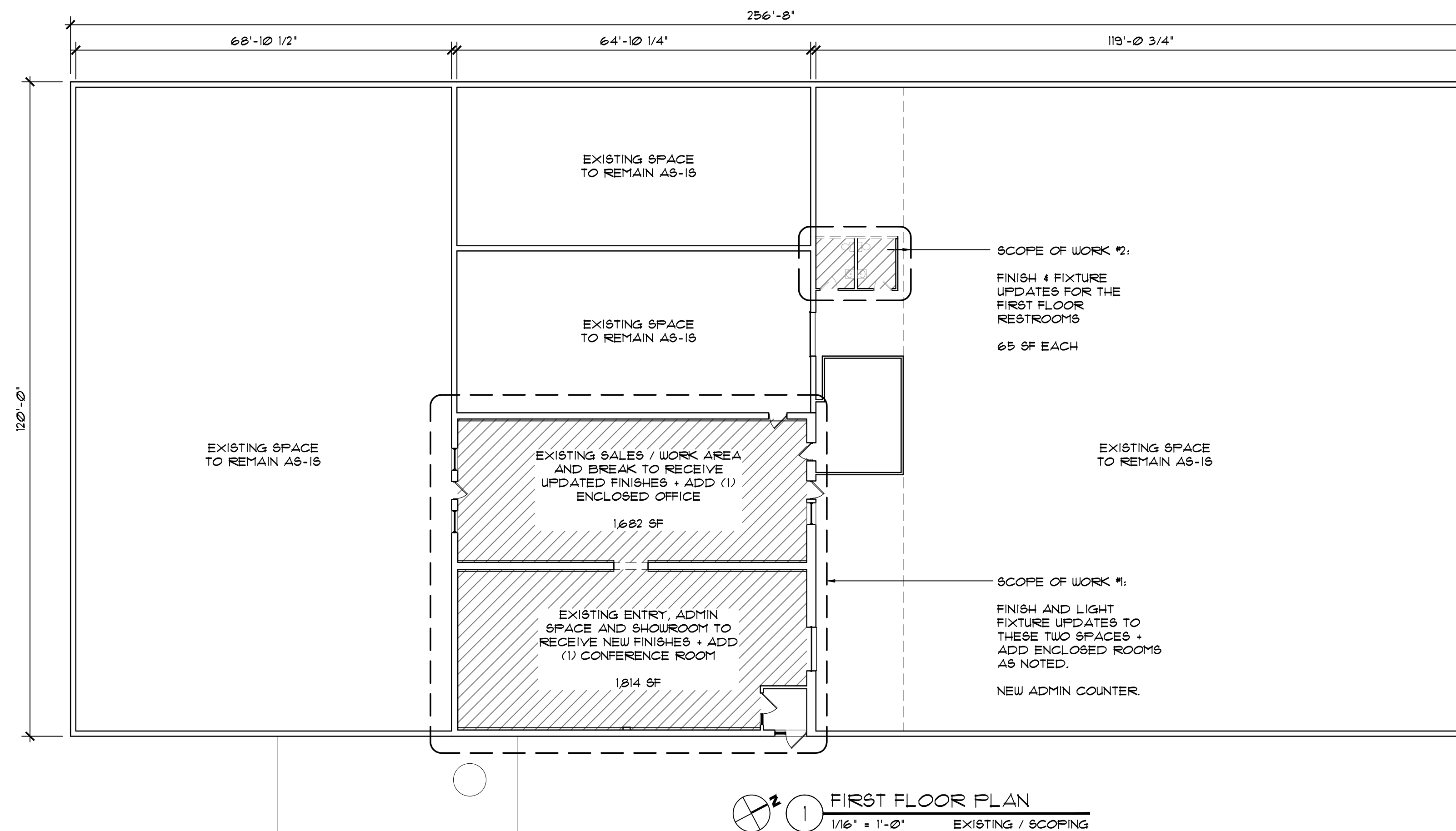
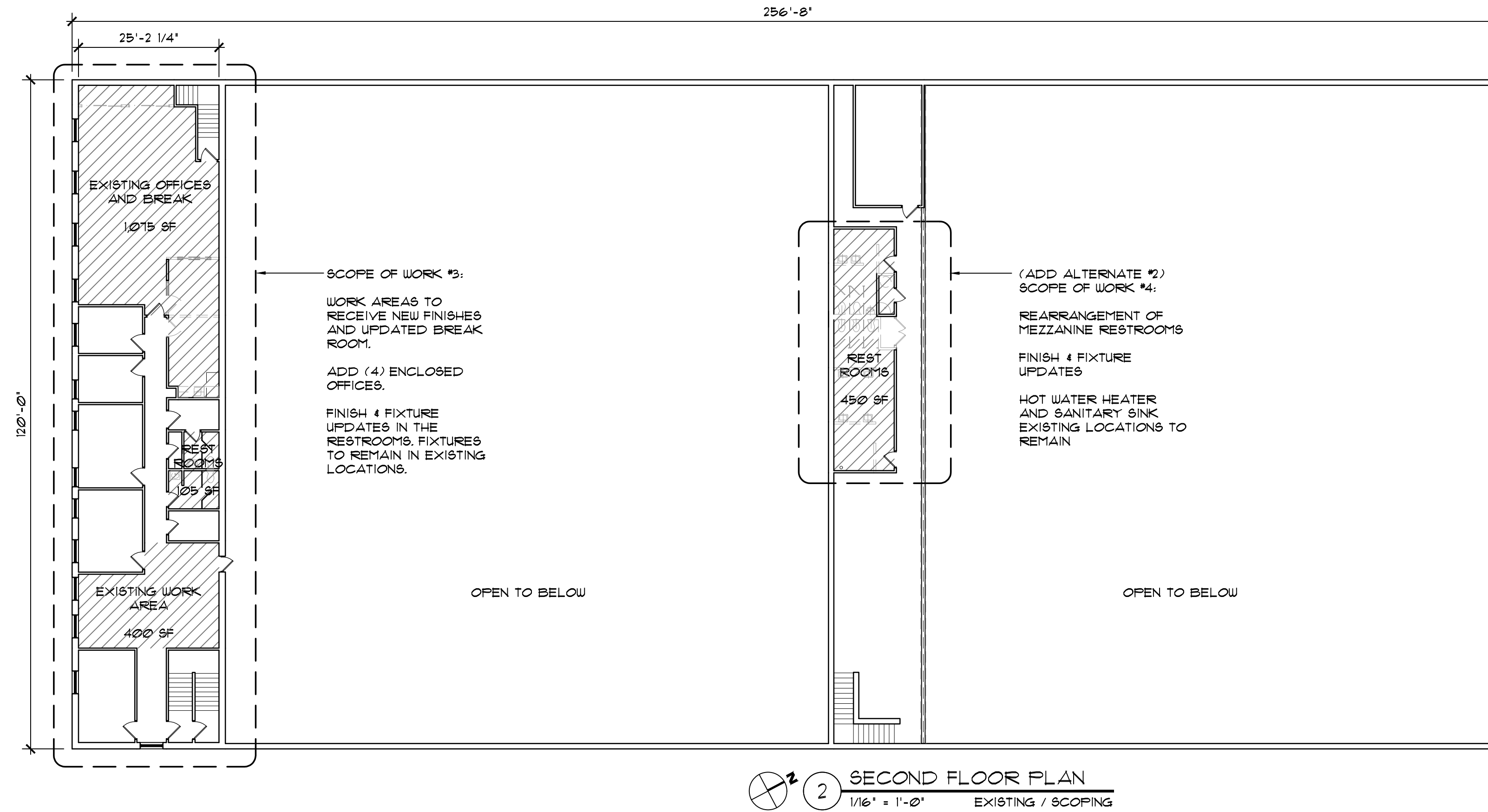
1444 Clinton Street, Buffalo, NY 14206

Mechanical, Electrical, Plumbing,
& Fire Protection Engineering:

JOHN J. FRANDINA, PE, PC
CONSULTING ENGINEERS

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405 Tiller Trail
Grand Island, NY 14072
(716) 870-8108

Architectural:
STUDIO K
ARCHITECTURE, PLLC



DRAWING LIST

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MECHANICAL / PLUMBING
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PLUMBING
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FIRE PROTECTION
- DE1.1 DEMOLITION PLANS - FIRST FLOOR
ELECTRICAL
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ELECTRICAL
- E1.1 FLOOR PLANS - FIRST FLOOR
ELECTRICAL
- E1.2 FLOOR PLANS - MEZZANINE LEVEL
ELECTRICAL
- E2 SPECIFICATIONS & SCHEDULE
ELECTRICAL

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND SECURING ALL REQUIRED PERMITS FOR CONSTRUCTION.
2. ALL WORK ON THIS PROJECT IS TO CONFORM TO ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES.
3. CONTRACTOR TO FORMALLY NOTIFY ARCHITECT, IN WRITTEN FORM, OF ANY PROPOSED CHANGES, DISCREPANCIES, OR PROBLEMS. THE CONTRACTOR IS TO RECEIVE ARCHITECT'S REVIEW CONCERNING ANY CHANGE, DISCREPANCY OR PROBLEM PRIOR TO BEGINNING SUCH WORK.
4. CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND CRAFTSMANSHIP ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. ALL MATERIALS TO BE INSTALLED AS PER THE MANUFACTURER'S SPECIFICATIONS.
6. CONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL HIS WORK FROM DAMAGE AND SHALL PROTECT OWNER'S PROPERTY FROM DAMAGE DURING THE DURATION OF THIS PROJECT.
7. CONTRACTOR SHALL MAINTAIN SITE AND KEEP IT CLEAR OF DEBRIS.
8. CONTRACTOR AND ALL SUBCONTRACTORS ARE TO UNCONDITIONALLY GUARANTEE ALL WORK ON THIS PROJECT FOR ONE YEAR AFTER FORMAL ACCEPTANCE OF THE PROJECT BY THE OWNER.
9. ON COMPLETION OF WORK, CONTRACTOR SHALL PROVIDE TO OWNER ALL CERTIFICATES, WARRANTIES, OPERATING MANUALS, ETC.

BASE SCOPE:

BUILDING OCCUPANCY DOES NOT CHANGE.

LEVEL 2 ALTERATION AS WE ARE MAKING A FEW NEW ENCLOSED OFFICES WITHIN EXISTING OPEN SPACES. COSMETIC UPDATES THROUGHOUT SCOPES.

FIRST FLOOR (ADMIN, ENTRY, CONFERENCE ROOM, SHOWROOM, WORK SPACE):
TWO LARGE FRONT ROOMS TO RECEIVE NEW FINISHES
NEW ADMIN / RECEPTION DESK
(1) NEW CONFERENCE ROOM
(1) NEW ENCLOSED OFFICE
(2) EXISTING SINGLE-USER RESTROOMS TO RECEIVE NEW FINISHES AND FIXTURES. PLUMBING REMAINING IN EXISTING LOCATIONS.

SECOND FLOOR (OFFICE SPACE ON MEZZANINE):
(4) NEW ENCLOSED OFFICES WITHIN EXISTING OPEN SPACE

UPDATE BREAK ROOM CABINETRY AND FINISHES. KITCHEN SINK PLUMBING IS REMAINING IN EXISTING LOCATION.

(2) EXISTING RESTROOMS TO RECEIVE NEW FINISHES AND FIXTURES. PLUMBING REMAINING IN EXISTING LOCATIONS.

ADD ALTERNATE #1:

USE GLASS SYSTEM WITH TECHNOLOGY TO CHANGE CLEAR GLASS TO FROSTED WITH SWITCH FOR PRIVACY (I.E. SMART GLASS SYSTEM OR EQUAL) AT LARGE CONFERENCE ROOM WALL, FIRST FLOOR, IN LIEU OF STANDARD INTERIOR STOREFRONT SYSTEM.

ADD ALTERNATE #2:

SCOPE OF WORK #4
REARRANGEMENT OF MEZZANINE RESTROOMS WITH FINISH AND FIXTURE UPDATES

ADD ALTERNATE #3:

ADD ARMSTRONG ACOUSTICAL FELTWORKS BLADES, SUSPENDED FROM ACOUSTICAL TILE CEILING ALREADY IN BASE BID TO ADD ADDITIONAL SOUND CONTROL. SEE REFLECTED CEILING PLAN (RCP). LIGHT FIXTURES WOULD CHANGE TO BE THIN CYLINDRICAL FIXTURES TO SUSPEND IN BETWEEN BLADES IN THIS AREA.

BID SET

Revisions

Project

Irish Companies

Facility Improvements
1444 Clinton Street
Buffalo, NY 14206

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Sheet Title

COVER SHEET
SCOPE OF WORK

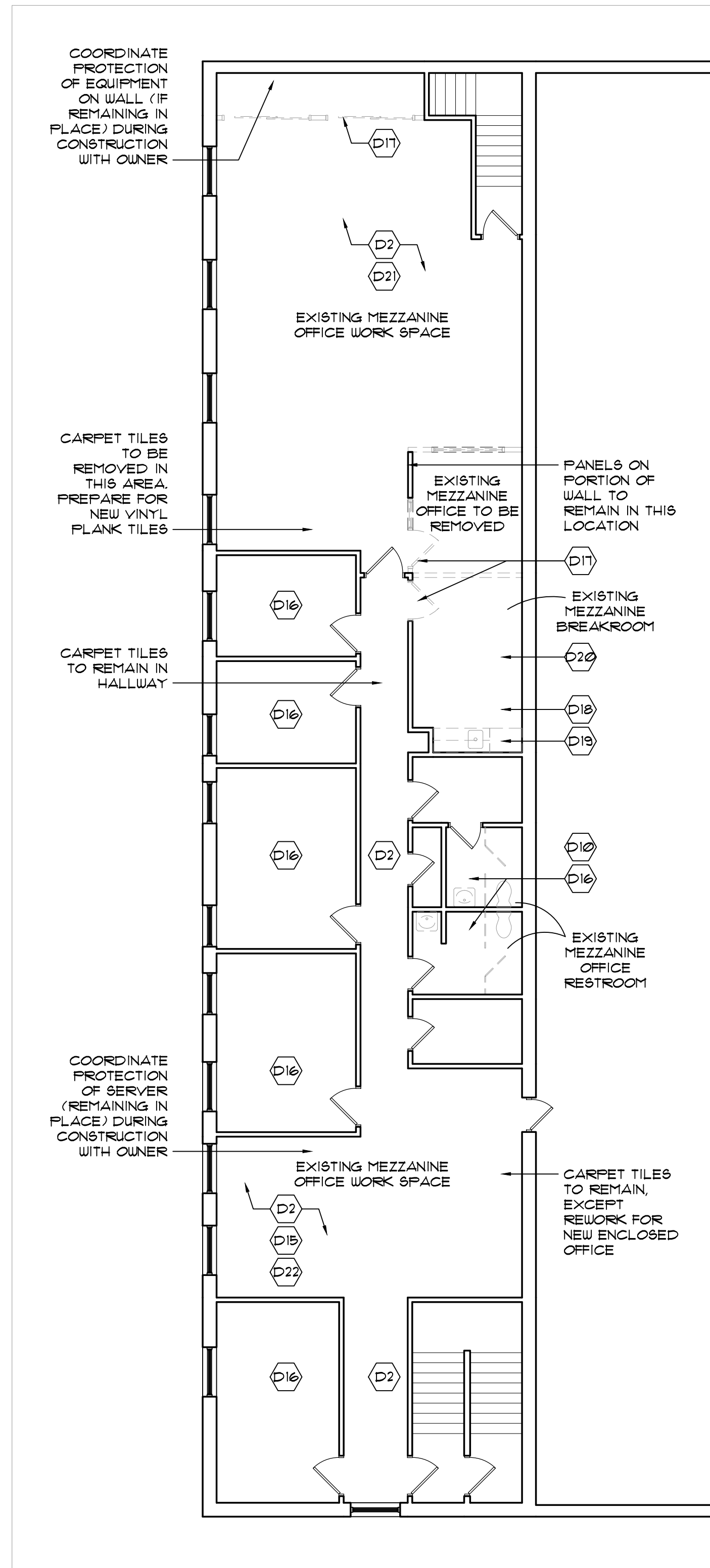
Project #: 25-001

Date:
March 17th, 2025

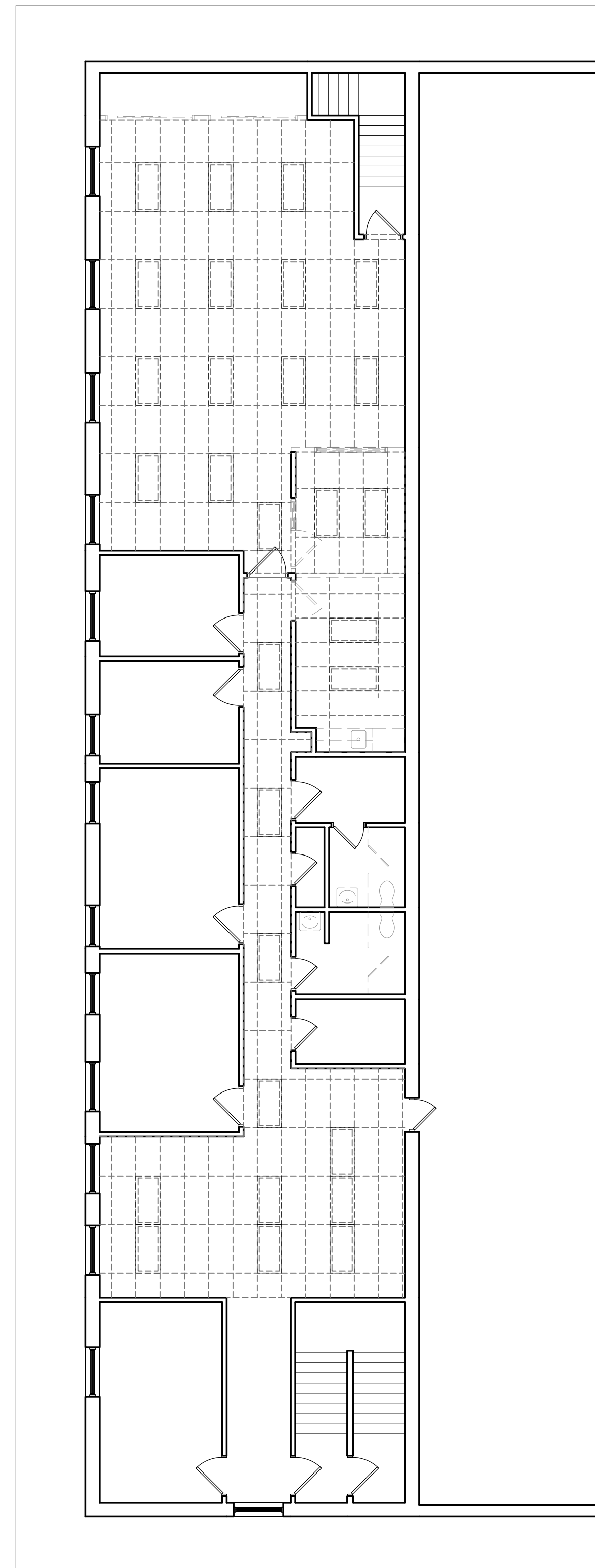
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A0

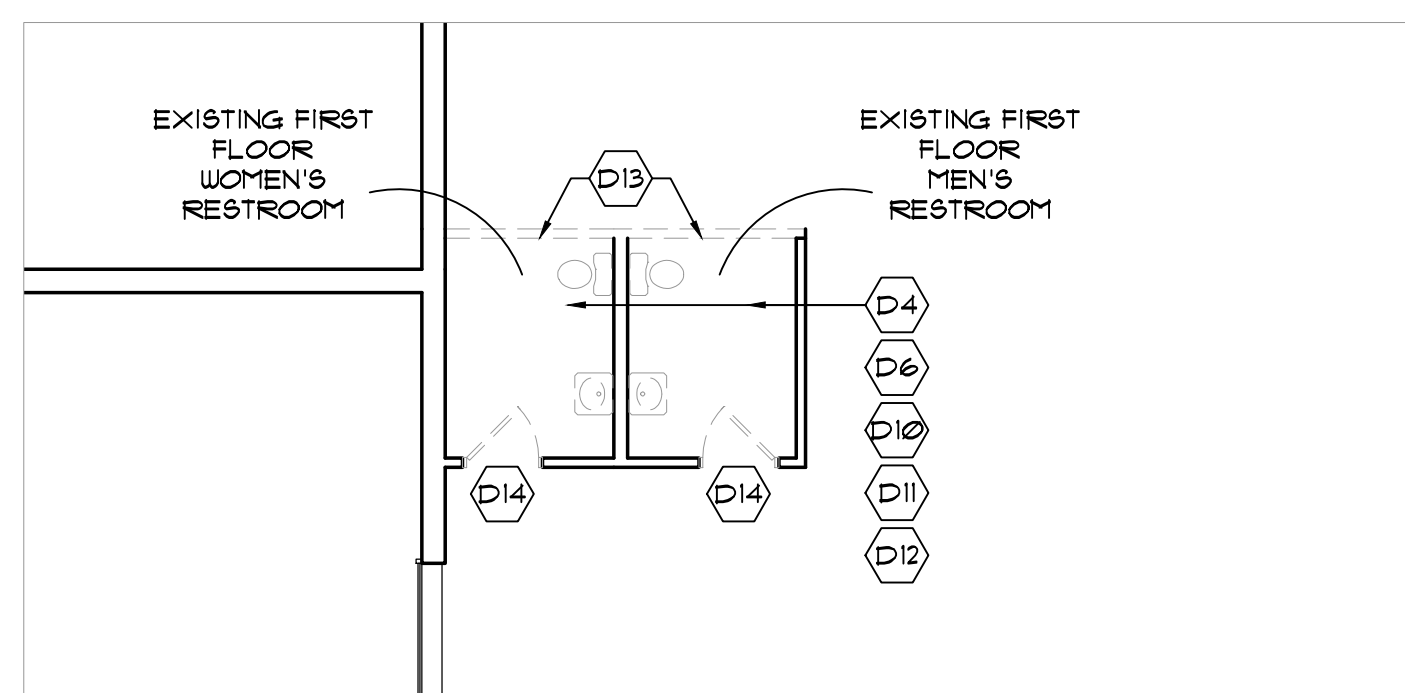
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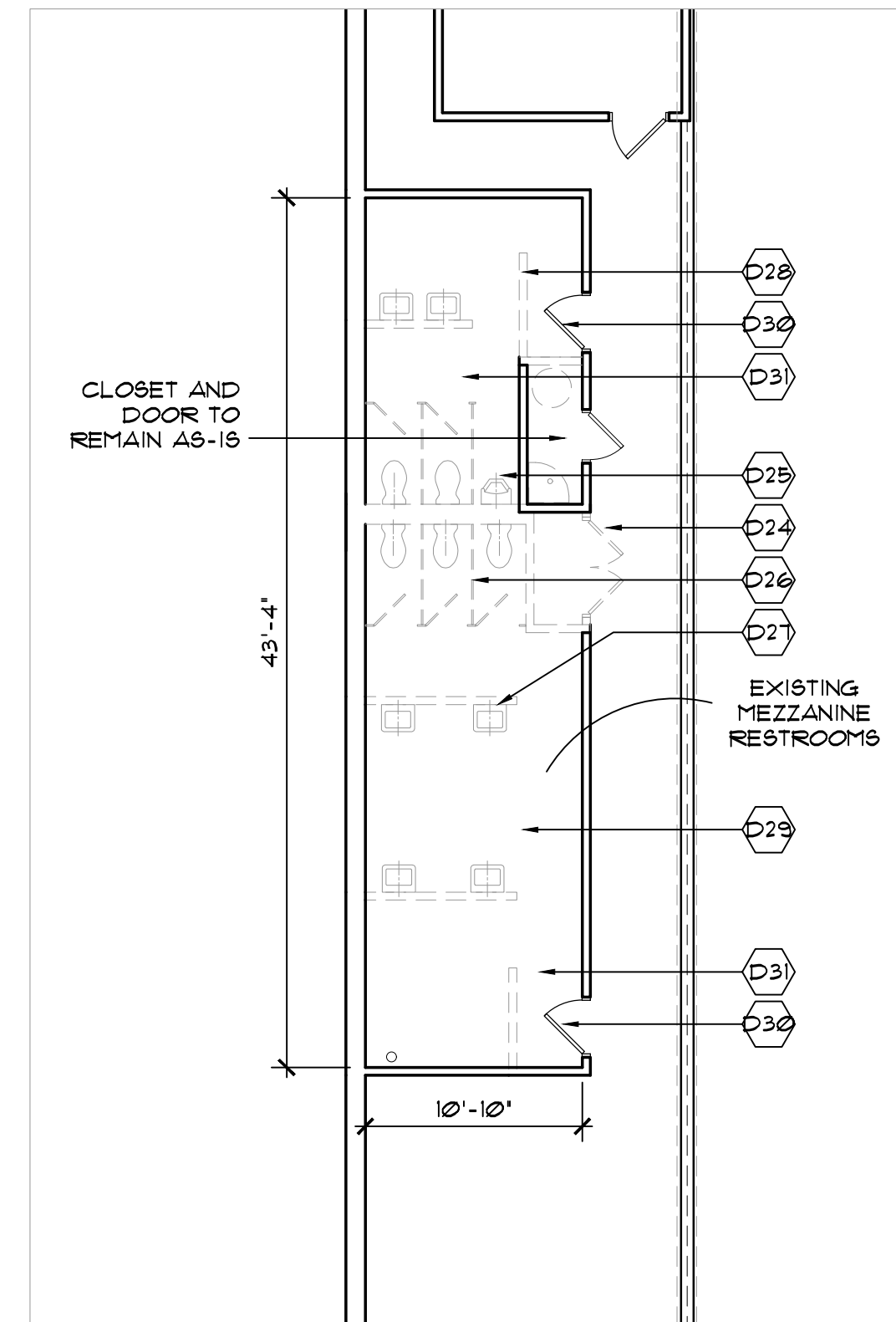
3 DEMO PLAN
 1/8" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #3



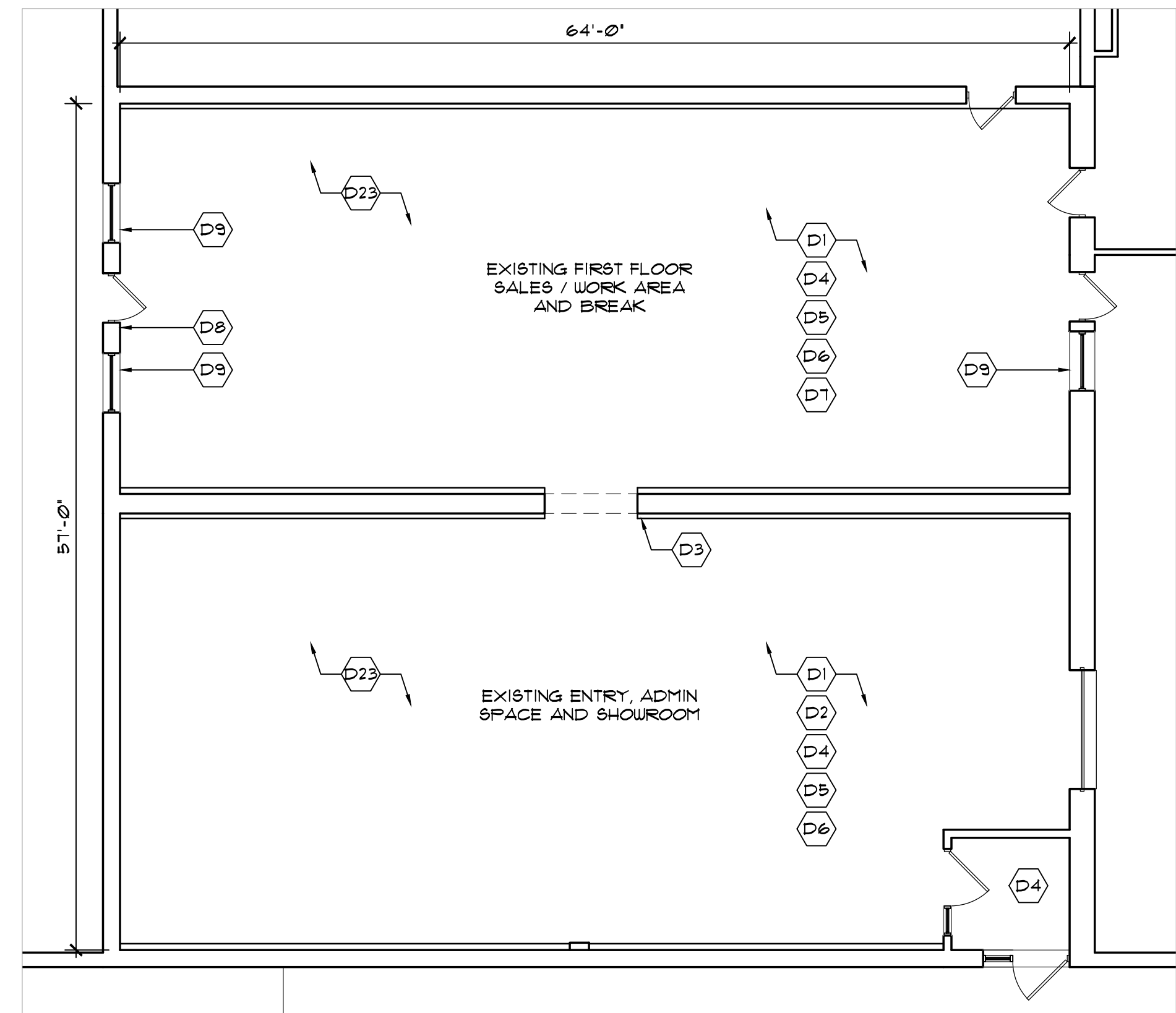
4 DEMO PLAN - CEILING PLAN
 1/8" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #4



2 DEMO PLAN
 1/8" = 1'-0" FIRST FLOOR RESTROOMS, SCOPE OF WORK #2



5 DEMO PLAN
 1/8" = 1'-0" MEZZANINE FLOOR RESTROOMS, SCOPE OF WORK #4



1 DEMO PLAN
 1/8" = 1'-0" FIRST FLOOR, SCOPE OF WORK #1

GENERAL DEMOLITION NOTES

THE BUILDING OWNER IS TO PROVIDE A HAZARDOUS BUILDING MATERIAL REPORT PRIOR TO COMMENCEMENT OF WORK.

THE DEMOLITION CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING DEMOLITION WORK TO PREVENT DAMAGE TO ANY EXISTING MATERIALS, FURNISHINGS, OR EQUIPMENT NOT INTENDED FOR DEMOLITION AS PART OF THIS CONTRACT.

IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATION. REPAIR OF THESE DAMAGES SHALL BE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR. REPAIR MUST BE PRECEDED BY A WRITTEN AND DRAIN PROPOSAL, SUBMITTED TO THE ARCHITECT INDICATING THE LOCATION AND EXTENT OF THE REPAIR. THE ARCHITECT IS TO APPROVE, IN WRITING, IT'S COMMENCEMENT.

DEMOLITION CONTRACTOR TO PROVIDE TEMPORARY SAFETY BARRIERS AS REQUIRED TO ENSURE THE SAFETY OF THE GENERAL PUBLIC, THE OCCUPANTS AND USERS OF THE ADJACENT PRIVATE AND PUBLIC PROPERTIES AND THE TRADESMEN WORKING AT THE PROJECT SITE.

THE DEMOLITION CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DEMOLITION NOTES TO DETERMINE WHICH ITEMS ARE TO BE REMOVED.

ACCESSORIES ON WALLS WITHIN SCOPE TO BE REMOVED AND COORDINATED WITH OWNER ON STORAGE OR DISPOSAL. (SHELVING, WALL DISPLAYS, WALL CABINETS, ETC.)

SECURITY CAMERAS TO BE TEMPORARILY REMOVED BY OWNER.

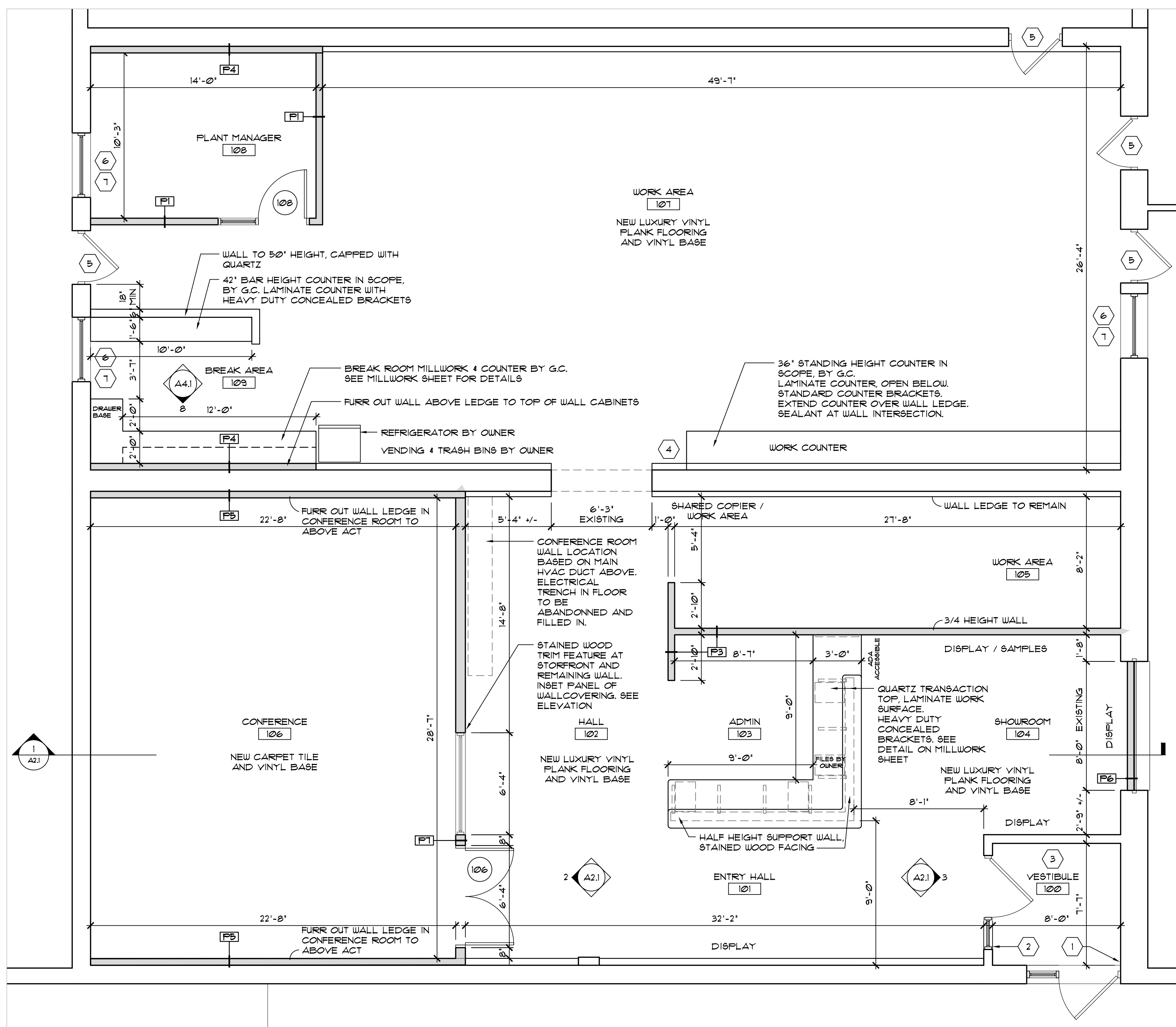
KEYED DEMOLITION NOTES

- (D1) REMOVE MILLWORK WORK COUNTERS AND ACCESSORIES
- (D2) REMOVE WALLPAPER BORDER. PREPARE SURFACE TO RECEIVE NEW PRIMER AND PAINT
- (D3) REMOVE WOOD TRIM AT CASSED OPENING
- (D4) REMOVE VINYL BASE
- (D5) REMOVE FLOORING TRANSITIONS AND CARPETING
- (D6) REMOVE VINYL COMPOSITION TILE AND ADHESIVE. PREP FLOOR FOR NEW FLOORING.
- (D7) REMOVE OFFICE LANDSCAPE PARTITIONS.
- (D8) REMOVE WALL GUARDS, SAVE FOR REUSE.
- (D9) REMOVE SILL AND APRONS
- (D10) REMOVE PLUMBING FIXTURES
- (D11) REMOVE RESTROOM WALL ACCESSORIES. PROTECT FOR POSSIBLE REUSE.
- (D12) REMOVE CEILING TILES, GRID, AND SUSPENSION ACCESSORIES.
- (D13) REMOVE DAMAGED WALL ADJACENT TO TOILETS
- (D14) REMOVE DOOR AND FRAME
- (D15) REMOVE CEILING TILES, GRID AND ACCESSORIES IN TWO OPEN WORK / LOUNGE AREAS, BREAK ROOM, AND HALLWAY.
- (D16) EVALUATE CEILING TILES IN EXISTING ENCLOSED ROOMS (OFFICES, MEZZANINE OFFICE RESTROOMS, AND SMALL CONFERENCE. REMOVE STAINED OR CHIPPED TILES. GRID TO REMAIN.
- (D17) REMOVE DOORS, WINDOWS, FRAMES, AND WALLS AS INDICATED BY DASHED, GREY LINES
- (D18) EXISTING DUCTWORK TO REMAIN IN THIS BULKHEAD. REMOVE PORTION TO EVALUATE FOR A NEW (POSSIBLY SMALLER) BULKHEAD
- (D19) REMOVE KITCHEN SINK UNIT, APPLIANCES, COUNTERS, AND CABINETRY. COORDINATE ITEMS TO RETAIN WITH OWNER
- (D20) REMOVE TILE FLOOR AND UNDERLAYMENT IN BREAK ROOM. PREPARE FOR NEW FLOOR FINISH
- (D21) REMOVE CARPET TILE IN OPEN AREA. COORDINATE STORAGE OF TILES WITH OWNER. PREPARE FOR NEW FLOOR FINISH
- (D22) SELECTIVELY REMOVE CARPET TILE TO PREPARE FOR NEW ENCLOSED OFFICE. TILES WILL BE REUSED IN NEW OFFICE.
- (D23) REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DUCTWORK AND LIGHTING INFORMATION

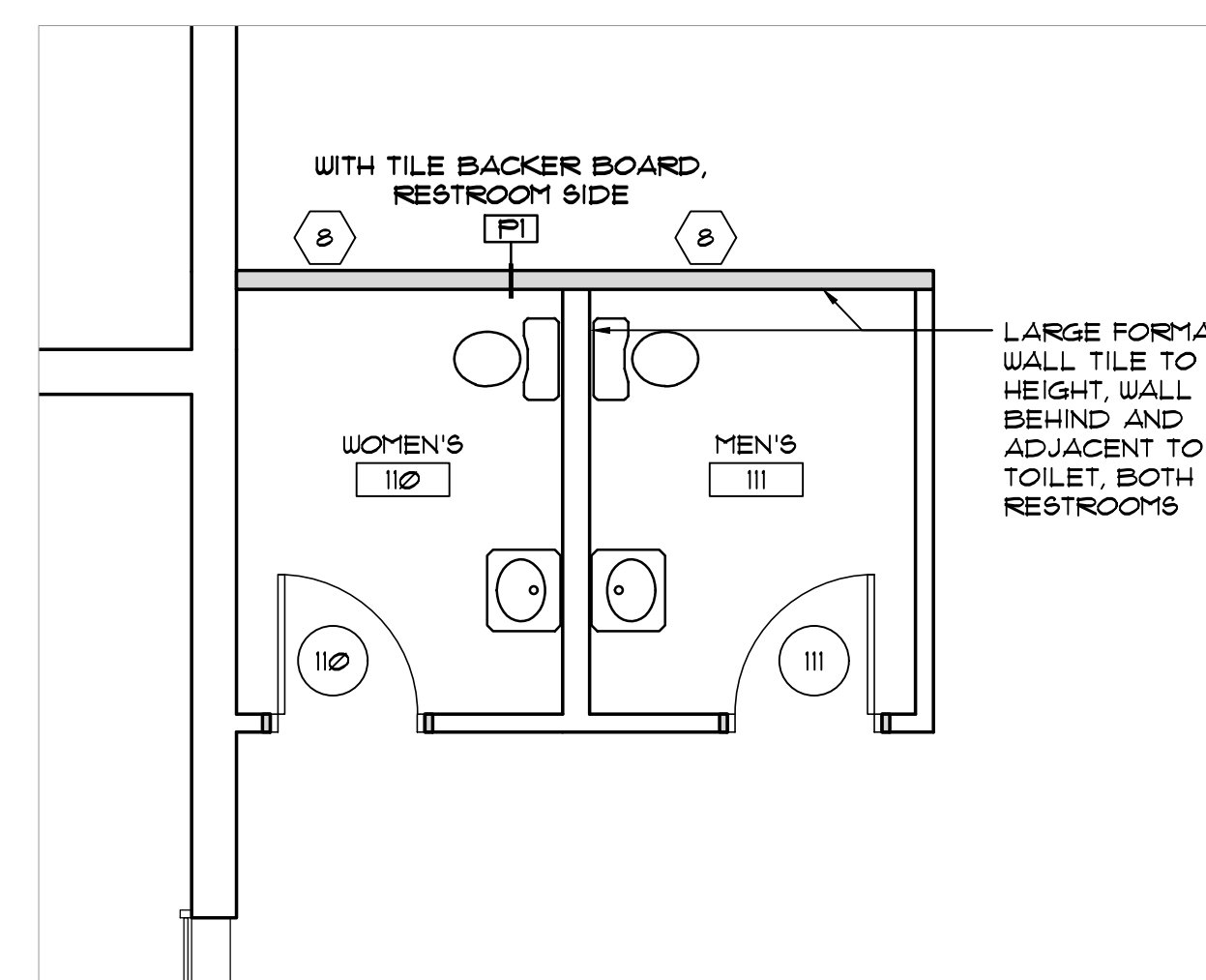
KEYED DEMOLITION NOTES FOR ADD ALTERNATE #2 (SCOPE OF WORK #4): UPDATE TO MEZZANINE RESTROOMS

- (D24) REMOVE DOOR, FRAME, AND PORTION OF WALL FOR NEW WIDER DOOR
- (D25) REMOVE PLUMBING FIXTURES WITHIN SCOPE
- (D26) REMOVE TOILET PARTITIONS WITHIN SCOPE
- (D27) REMOVE RESTROOM WALL ACCESSORIES WITHIN SCOPE. COORDINATE ANY POSSIBLE STORAGE OR REUSE WITH OWNER
- (D28) REMOVE WALLS AS INDICATED BY DASHED, GREY LINES
- (D29) REMOVE VINYL COMPOSITION TILE AND ADHESIVE. PREP FLOOR FOR NEW FLOORING.
- (D30) DOORS TO REMAIN: REMOVE ROOM SIGNAGE AND UNUSED ACCESSORIES
- (D31) SHEETROCK CEILING TO BE REMOVED WITHIN RESTROOM SCOPE ON MEZZANINE

Revisions	
Project	
Irish Companies	
Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
K STUDIO K ARCHITECTURE, PLLC	
KARYN E. TRAPP, RA 599 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title	
DEMOLITION PLANS & NOTES	
Project #: 25-001	Date: March 17th, 2025
	Drawing No.
	D1
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2 1 FIRST FLOOR PLAN
1/4" = 1'-0" PROPOSED



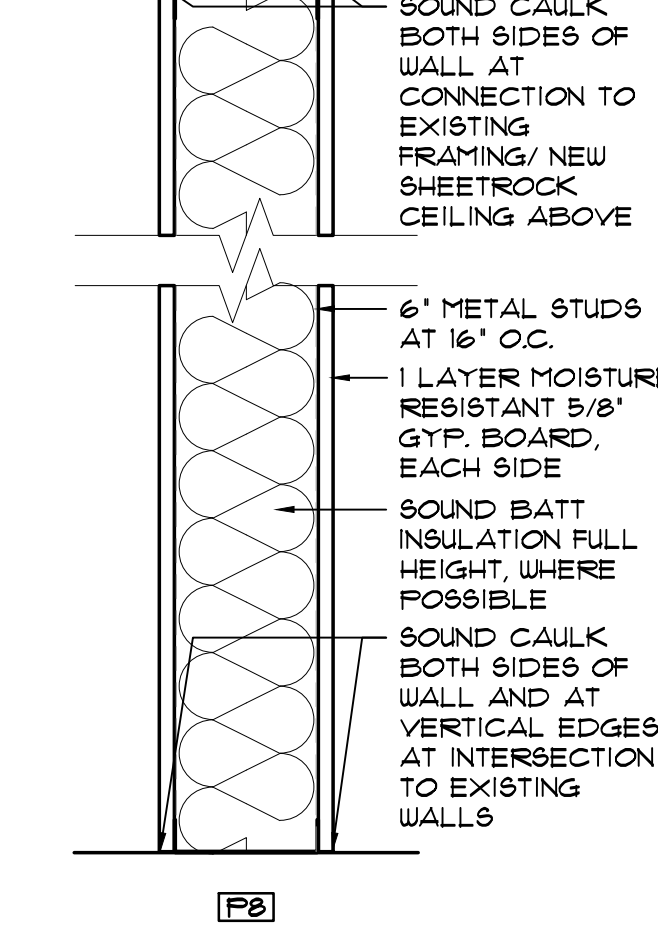
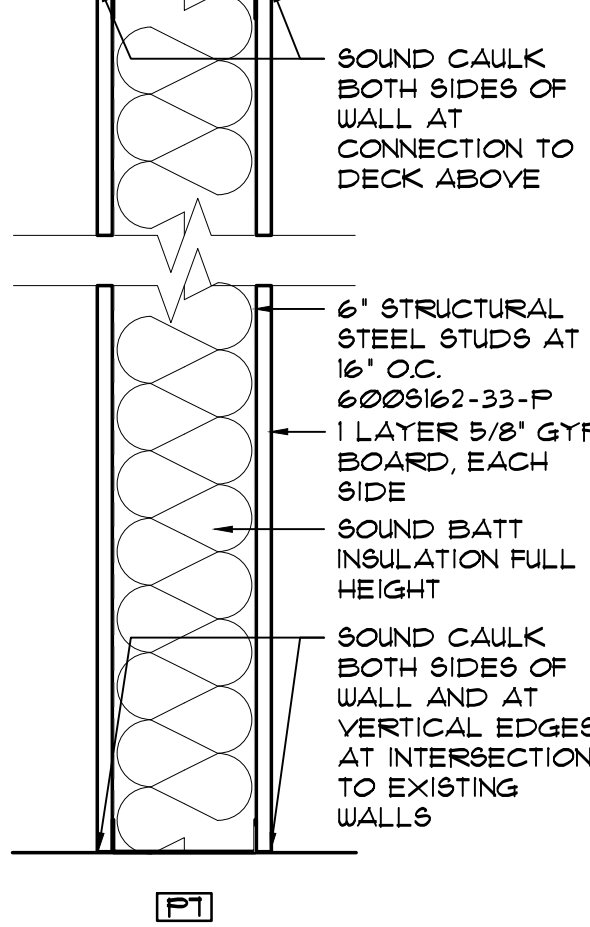
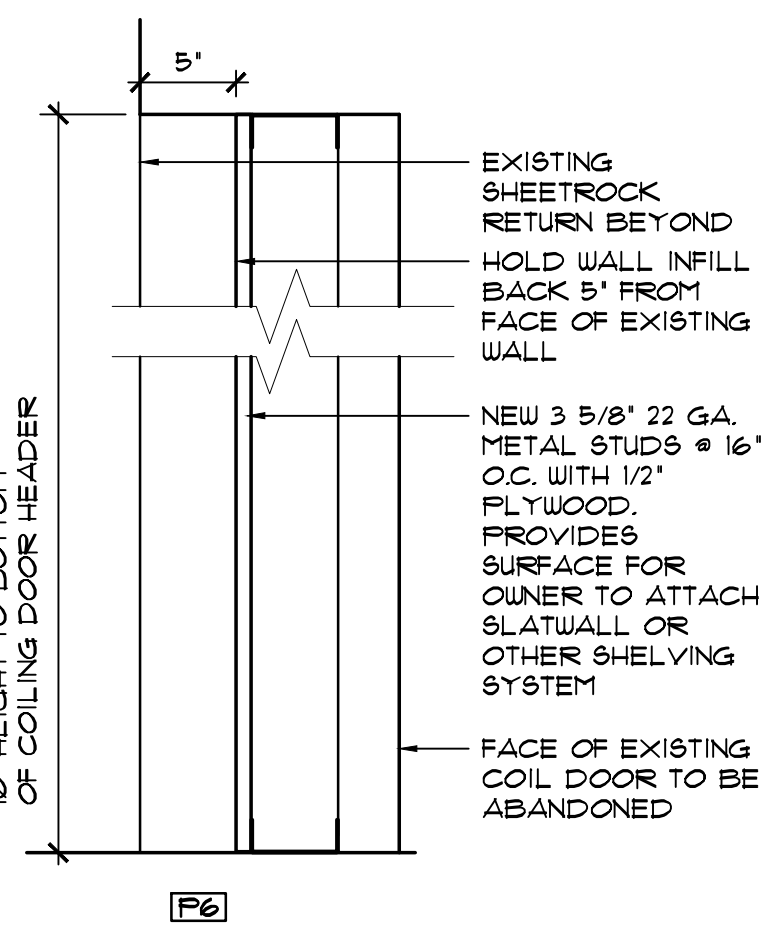
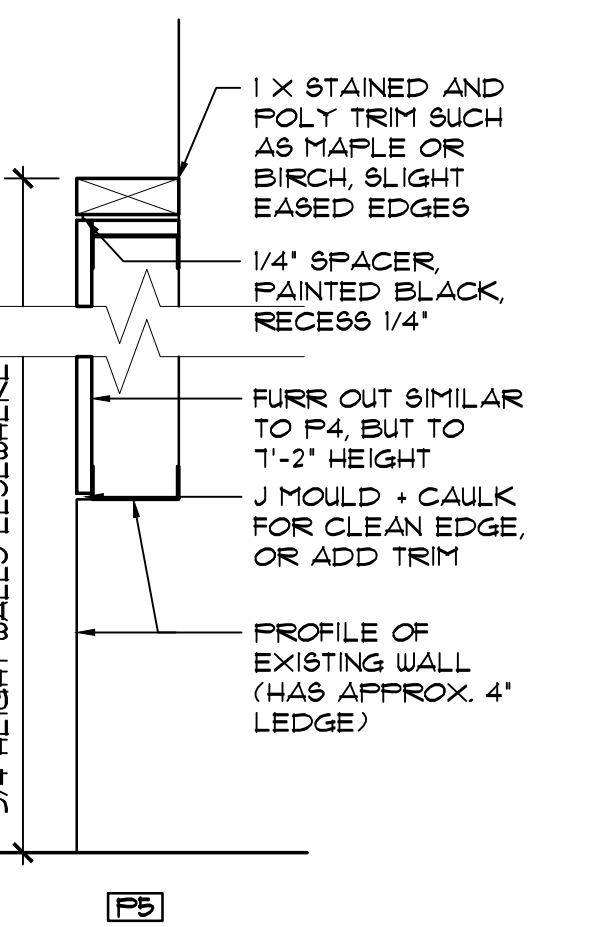
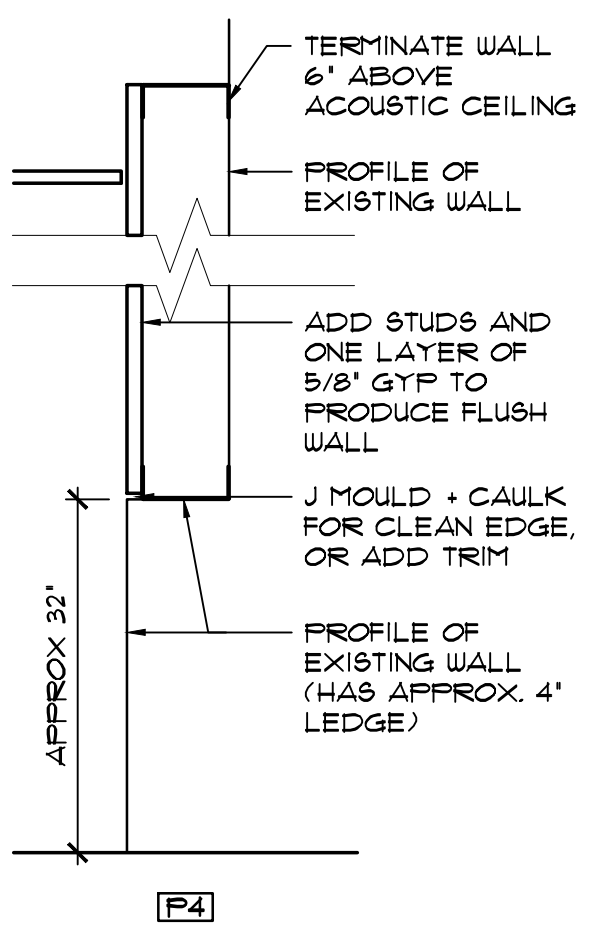
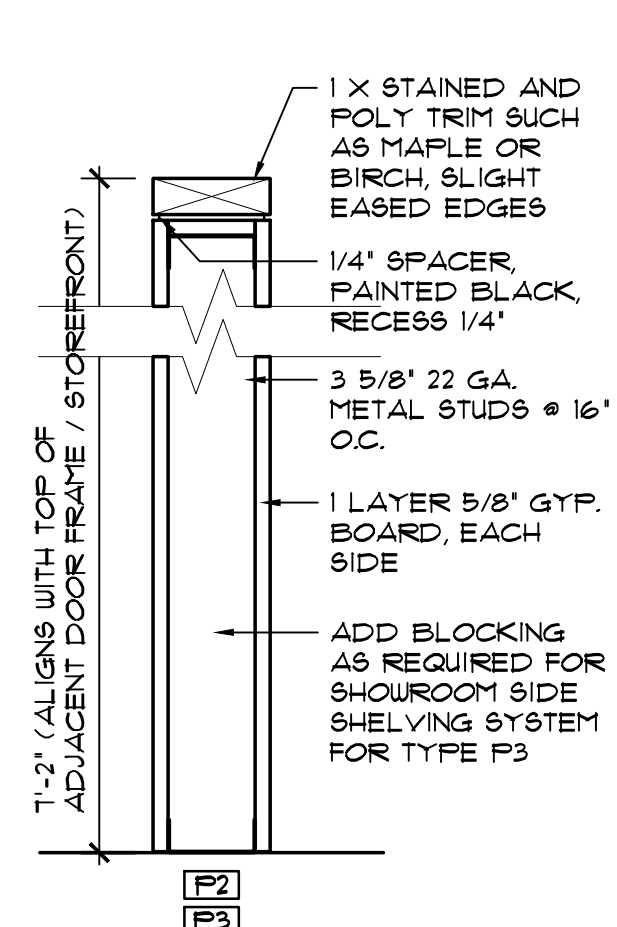
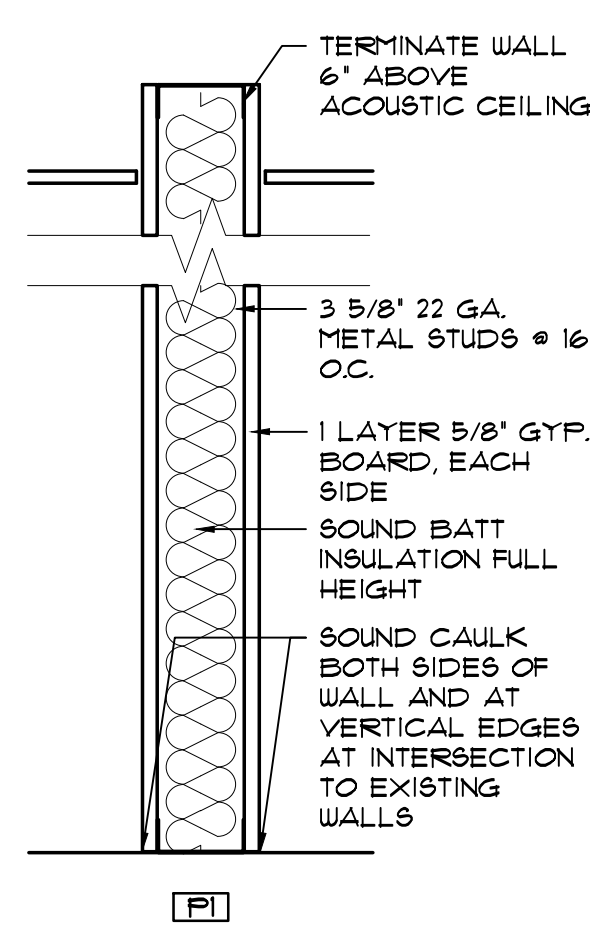
2 2 FIRST FLOOR PLAN
1/4" = 1'-0"

GENERAL PLAN NOTES

- DIMENSIONS ON PLAN ARE TO OUTSIDE FACE OF BOARD (FINISHED ROOM DIMENSION).
- PREPARE ALL WALLS IN SCOPE FOR NEW PRIMER AND PAINT BY PATCHING HOLES, NICKS, ETC.
- FINAL CLEANING TO INCLUDE EXISTING ITEMS SUCH AS EXISTING WALLS & DOORS, EXPOSED PIPING, ETC WITHIN SCOPE.

KEYED PLAN NOTES

- 1 PATCH VESTIBULE WALLS TO RECEIVE NEW VINYL BASE
- 2 REPLACE SEALANT AT STOREFRONT PERIMETER AND AT TILE FLOOR PERIMETER
- 3 VESTIBULE FLOOR AND CEILING TO REMAIN, NEW GENERAL / NEUTRAL PAINT P-1. INCLUDE IN FINAL CLEANING
- 4 NEW SURFACE MOUNT FIRE EXTINGUISHER CABINET AND EXTINGUISHER, CONFIRM REQUIRED TYPE AND SIZE WITH OWNER
- 5 PATCH HOLLOW METAL DOOR FRAMES AS REQUIRED AT EXISTING DOORS TO REMAIN, NEW PRIMER AND PAINT.
- 6 REPLACE SEALANT AT WINDOW AND DOOR PERIMETERS. PATCH SHEETROCK RETURNS TO PREPARE FOR NEW PRIMER AND PAINT. TYP. ALL INTERIOR WINDOWS IN SCOPE AT FIRST FLOOR.
- 7 NEW PLASTIC LAMINATE WINDOW SILLS AND APRON
- 8 RESTROOMS ON FIRST FLOOR. REPAIR FRAMING ON DAMAGED WALL TO ENSURE WALL IS CONTINUOUS AND FLUSH, NEW BLOCKING FOR GRAB BAR AS REQUIRED, NEW TILE BACKER BOARD.
- 9 EXISTING SILLS TO REMAIN AT MEZZANINE OFFICE AREA, TYP. REPLACE SEALANT AS REQUIRED.



1. PROVIDE DOUBLE STUDS AT ALL JAMBS.
2. PROVIDE SOLID LATERAL BRACING IN STUD WALLS AT 48\"/>
- 3. ALL GYPSUM BOARD IN WET AREAS (BATHROOMS, ADJACENT TO PLUMBING FIXTURES) TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD
- 4. ALL AREAS TO RECEIVE CERAMIC TILE SHALL RECEIVE TILE BACKER BOARD.
- 5. ALL THROUGH WALL PENETRATIONS OF NON-FIRE RATED WALLS TO BE SEALED AS REQUIRED FOR ACOUSTICAL SOUND MITIGATION.
- 6. ALL GYPSUM BOARD TO DISSIMILAR MATERIAL TRANSITION TO HAVE A 'TEAR AWAY' PLASTER BEAD.
- 7. PROVIDE BLOCKING AS BRACING IN STUD WALLS OR FURRED WALL TO SUPPORT FIXTURES, ACCESSORIES, GRAB BARS, AND FUTURE SHELVING AS DIRECTED BY OWNER.
- 8. ACOUSTICAL CAULK THE PERIMETER OF PARTITIONS, OPENINGS, OUTLET BOX OPENING, AND CUT OUTS IN ALL PARTITIONS DESIGNATED TO RECEIVE ACOUSTICAL INSULATION.

DIMENSIONS ON PLAN ARE TO OUTSIDE FACE OF BOARD (FINISHED ROOM DIMENSION).

PARTITION TYPES

Revisions

Project

Irish Companies

Facility Improvements
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Buffalo, NY 14206

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Sheet Title
FLOOR PLANS - FIRST FLOOR

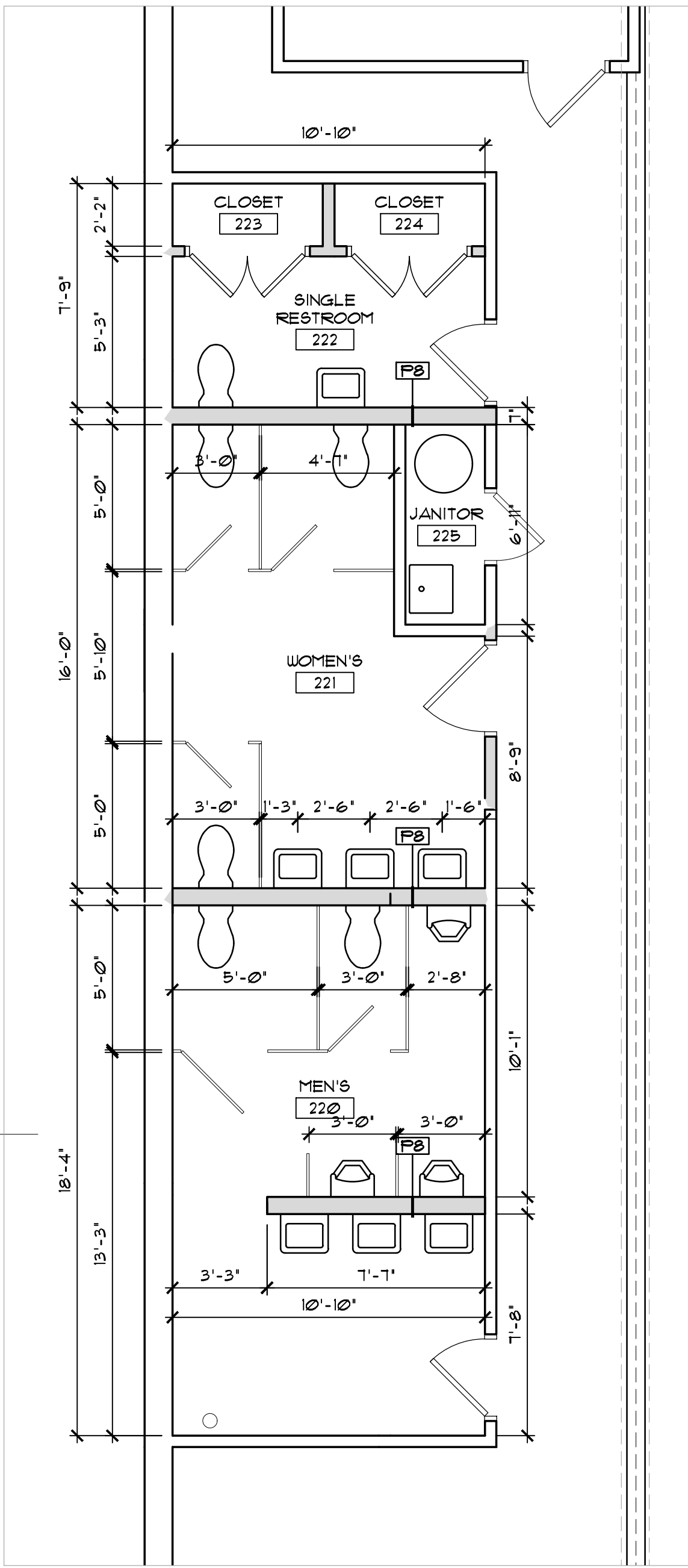
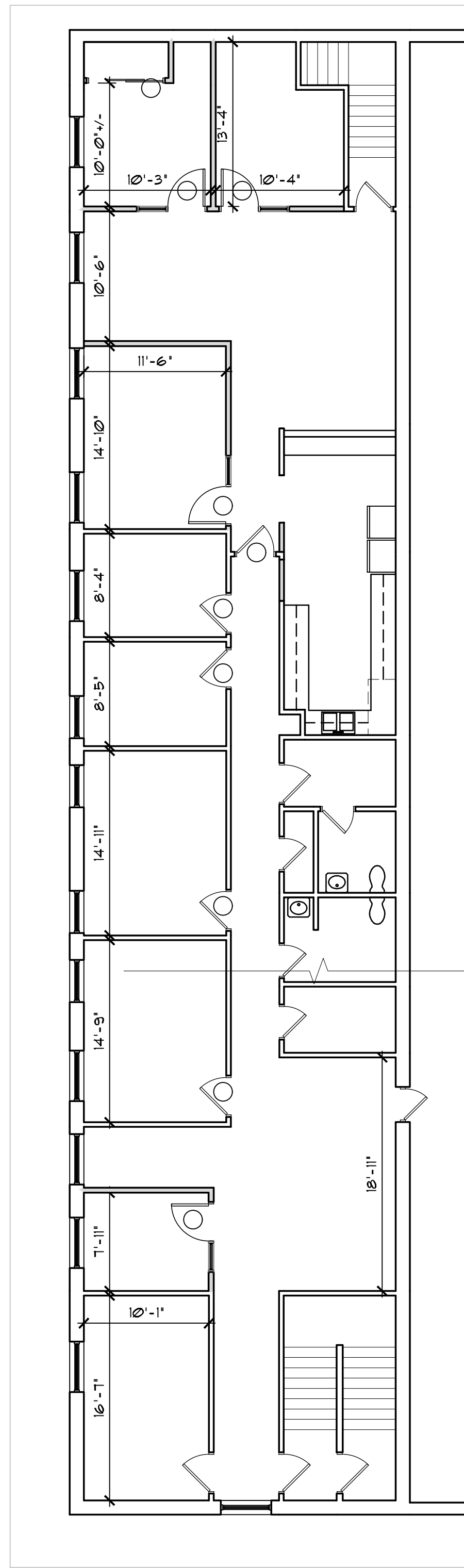
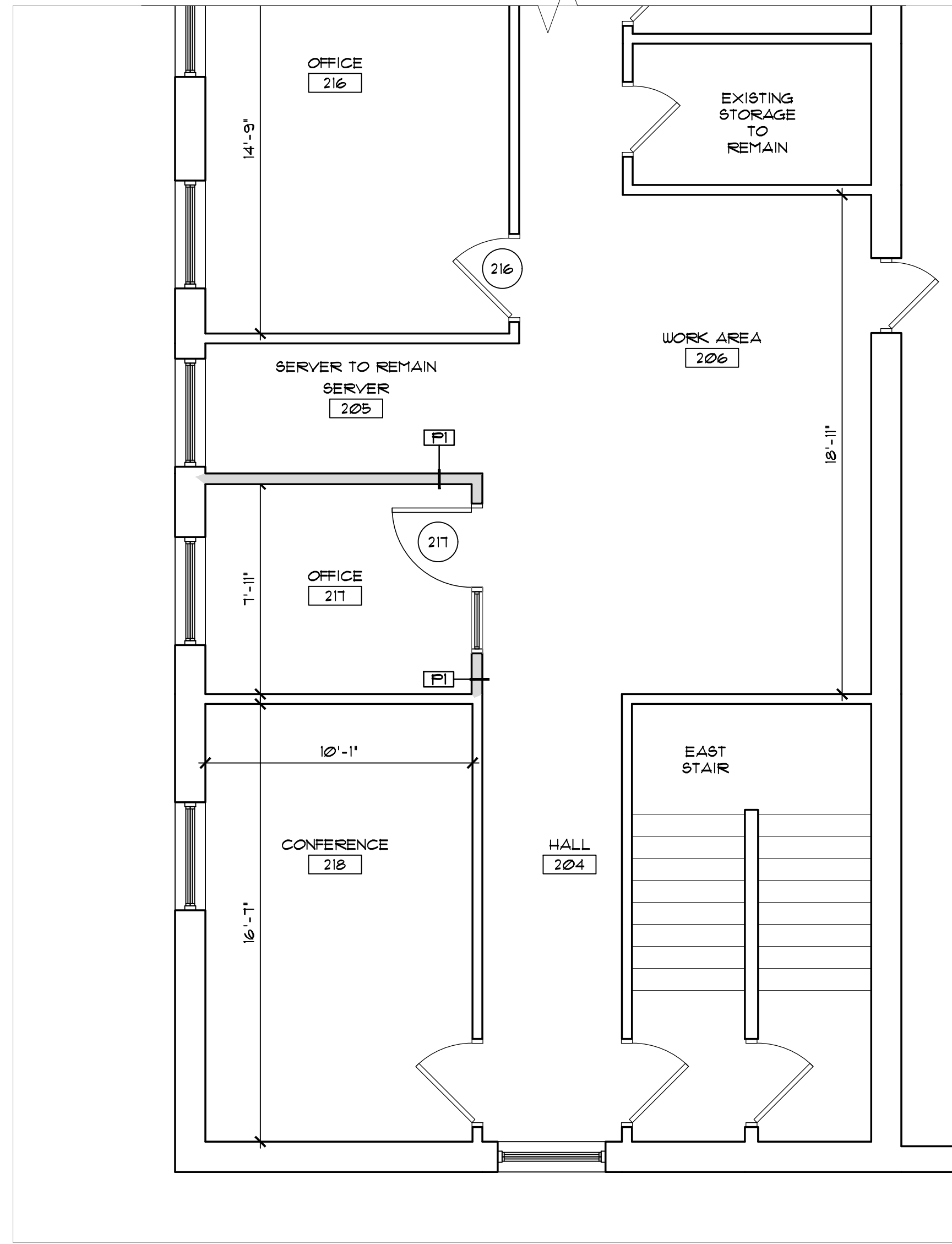
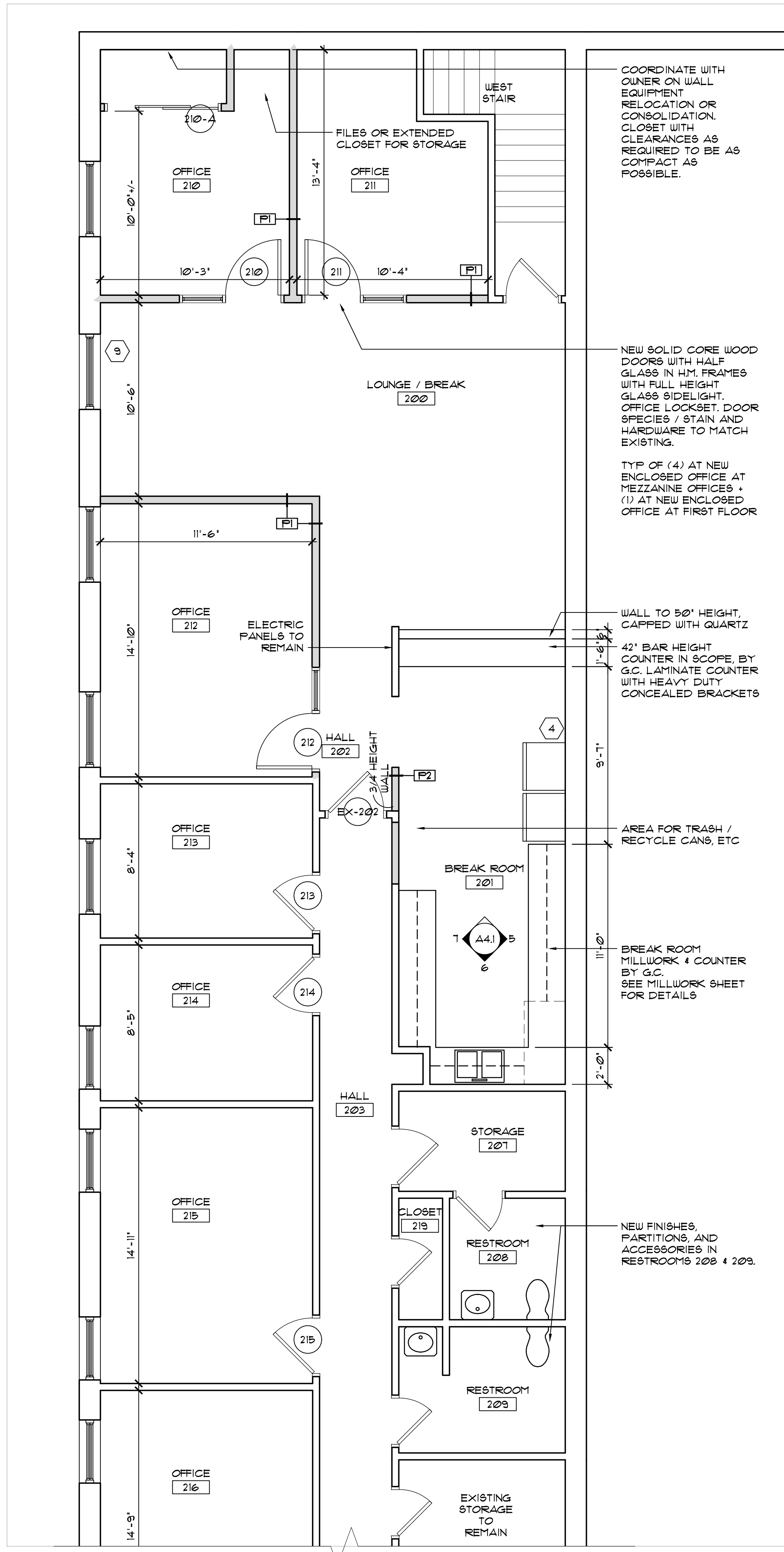
Project #: 25-001

Date:
March 17th, 2025

Drawing No.

A1.1

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GENERAL PLAN NOTES

DIMENSIONS ON PLAN ARE TO OUTSIDE FACE OF BOARD (FINISHED ROOM DIMENSION).

PREPARE ALL WALLS IN SCOPE FOR NEW PRIMER AND PAINT BY PATCHING HOLES, NICKS, ETC.

FINAL CLEANING TO INCLUDE EXISTING ITEMS SUCH AS EXISTING WALLS & DOORS, EXPOSED PIPING, ETC WITHIN SCOPE.

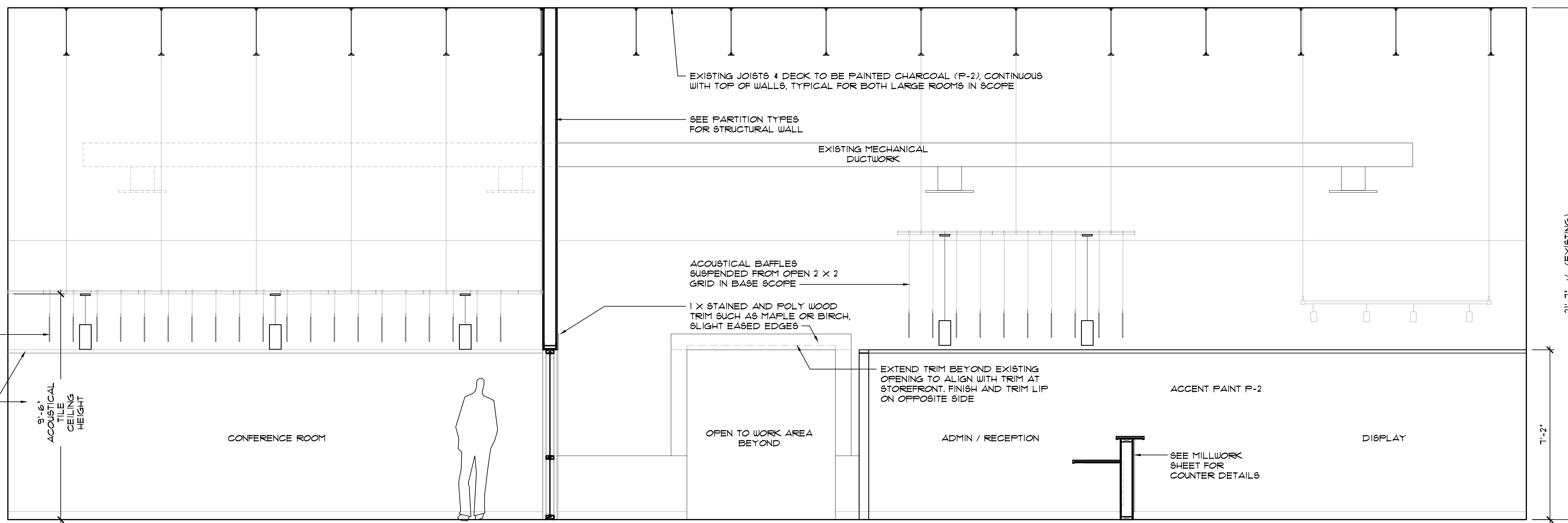
- KEYED PLAN NOTES**
- 1 PATCH VESTIBULE WALLS TO RECEIVE NEW VINYL BASE
 - 2 REPLACE SEALANT AT STOREFRONT PERIMETER AND AT TILE FLOOR PERIMETER.
 - 3 VESTIBULE FLOOR AND CEILING TO REMAIN. NEW GENERAL / NEUTRAL PAINT P-1. INCLUDE IN FINAL CLEANING
 - 4 NEW SURFACE MOUNT FIRE EXTINGUISHER CABINET AND EXTINGUISHER. CONFIRM REQUIRED TYPE AND SIZE WITH OWNER
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 - 6 REPLACE SEALANT AT WINDOW AND DOOR PERIMITERS. PATCH SHEETROCK RETURNS TO PREPARE FOR NEW PRIMER AND PAINT. TYP ALL INTERIOR WINDOWS IN SCOPE AT FIRST FLOOR.
 - 7 NEW PLASTIC LAMINATE WINDOW SILLS AND APRON
 - 8 RESTROOMS ON FIRST FLOOR: REPAIR FRAMING ON DAMAGED WALL TO ENSURE WALL IS CONTINUOUS AND FLUSH. NEW BLOCKING FOR GRAB BAR AS REQUIRED. NEW TILE BACKER BOARD.
 - 9 EXISTING SILLS TO REMAIN AT MEZZANINE OFFICE AREA. TYP. REPLACE SEALANT AS REQUIRED.

Revisions	
Project	
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FLOOR PLANS - MEZZANINE FLOOR	
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A1.2	
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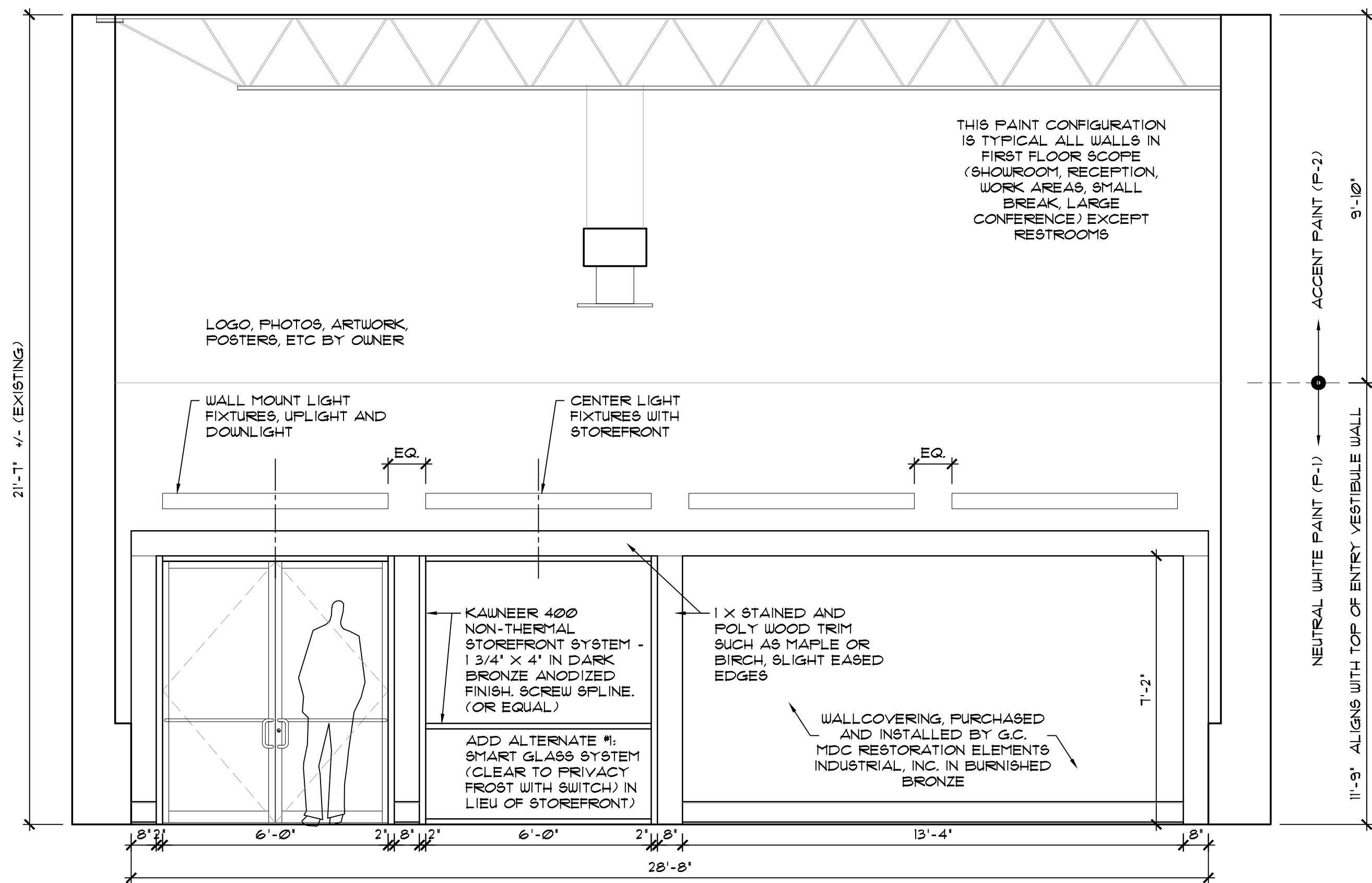
(HEIGHT OF WALLPAPER BORDER BEING REMOVED)

ADD ALTERNATE #3:
ADD SUSPENDED
ACOUSTICAL FELT
BLADES FOR
ADDITIONAL SOUND
CONTROL AND
AESTHETICS.
SEE REFLECTED
CEILING PLAN

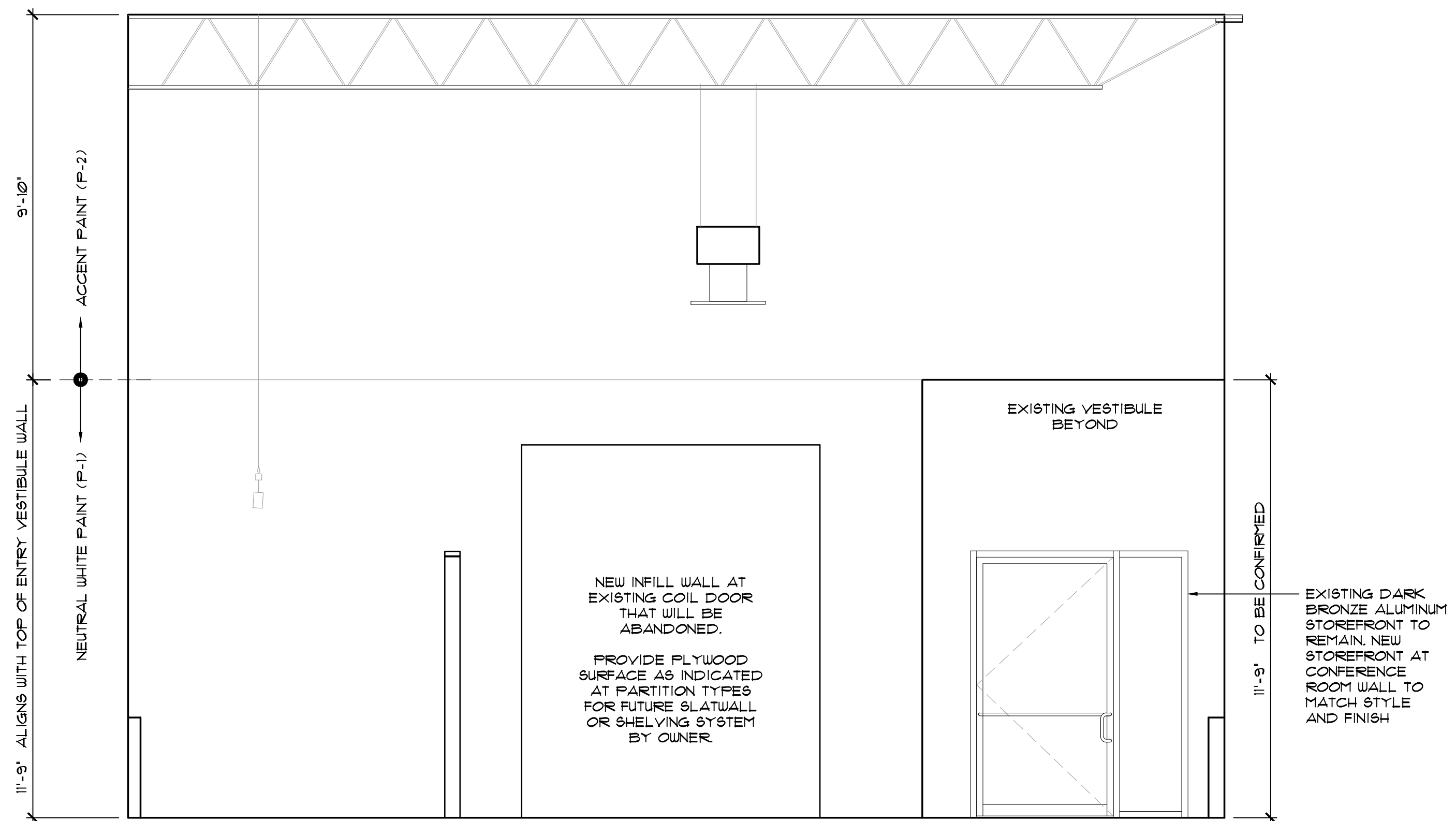
FURRED-OUT WALL
WITH WOOD CAP.
SEE PARTITION
TYPES



1 ELEVATION
3/8" = 1'-0"



2 ELEVATION
3/8" = 1'-0" CONFERENCE ROOM WALL



3 ELEVATION
3/8" = 1'-0" SHOWROOM AREA WALL

Revisions

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Sheet Title

ELEVATIONS

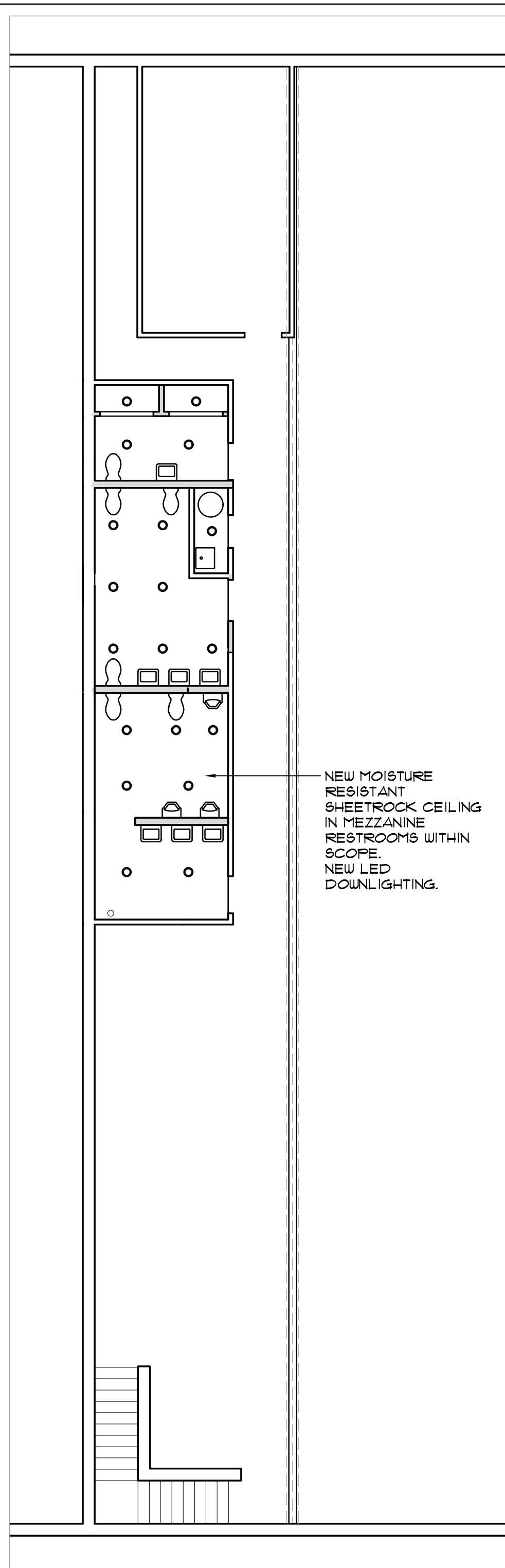
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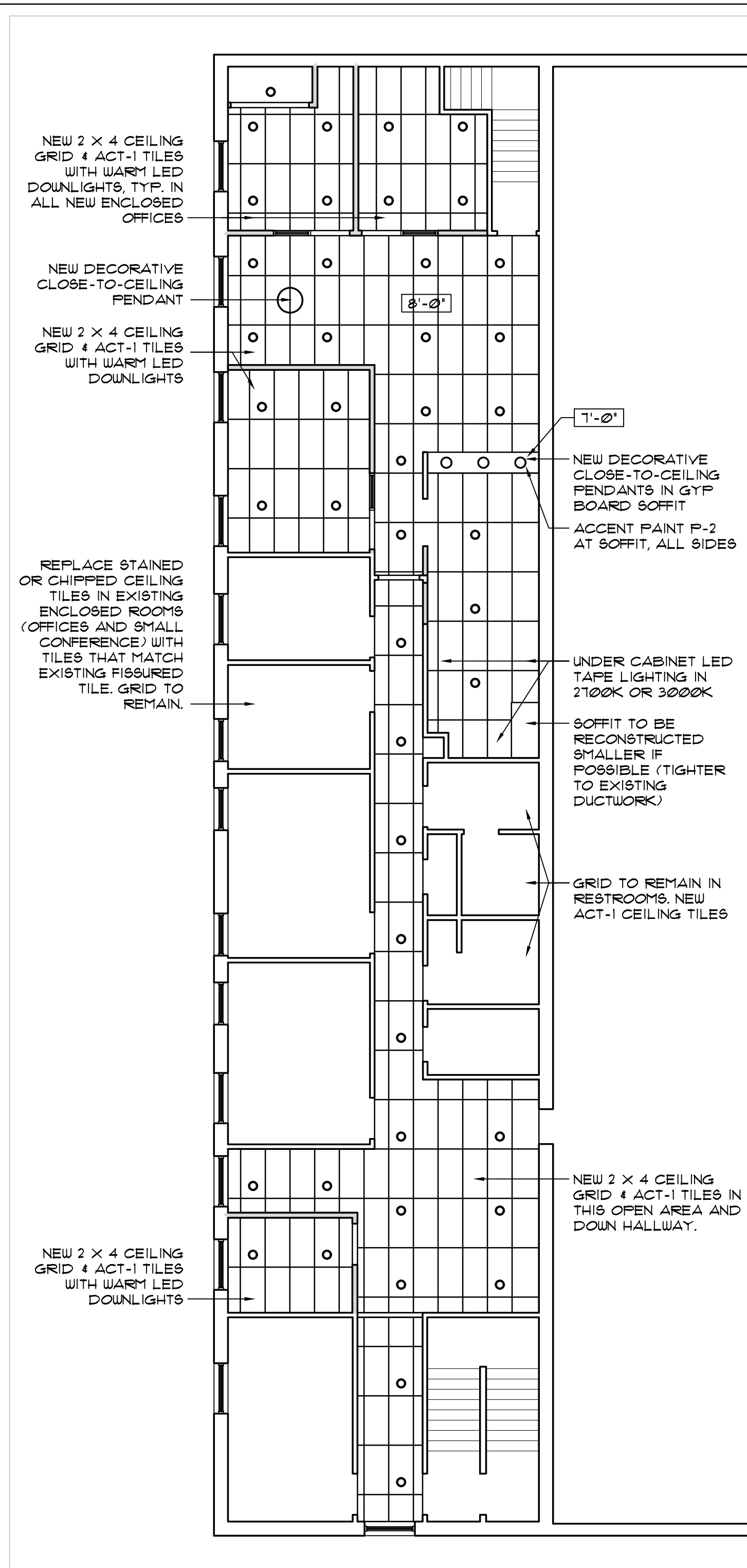
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A2.1

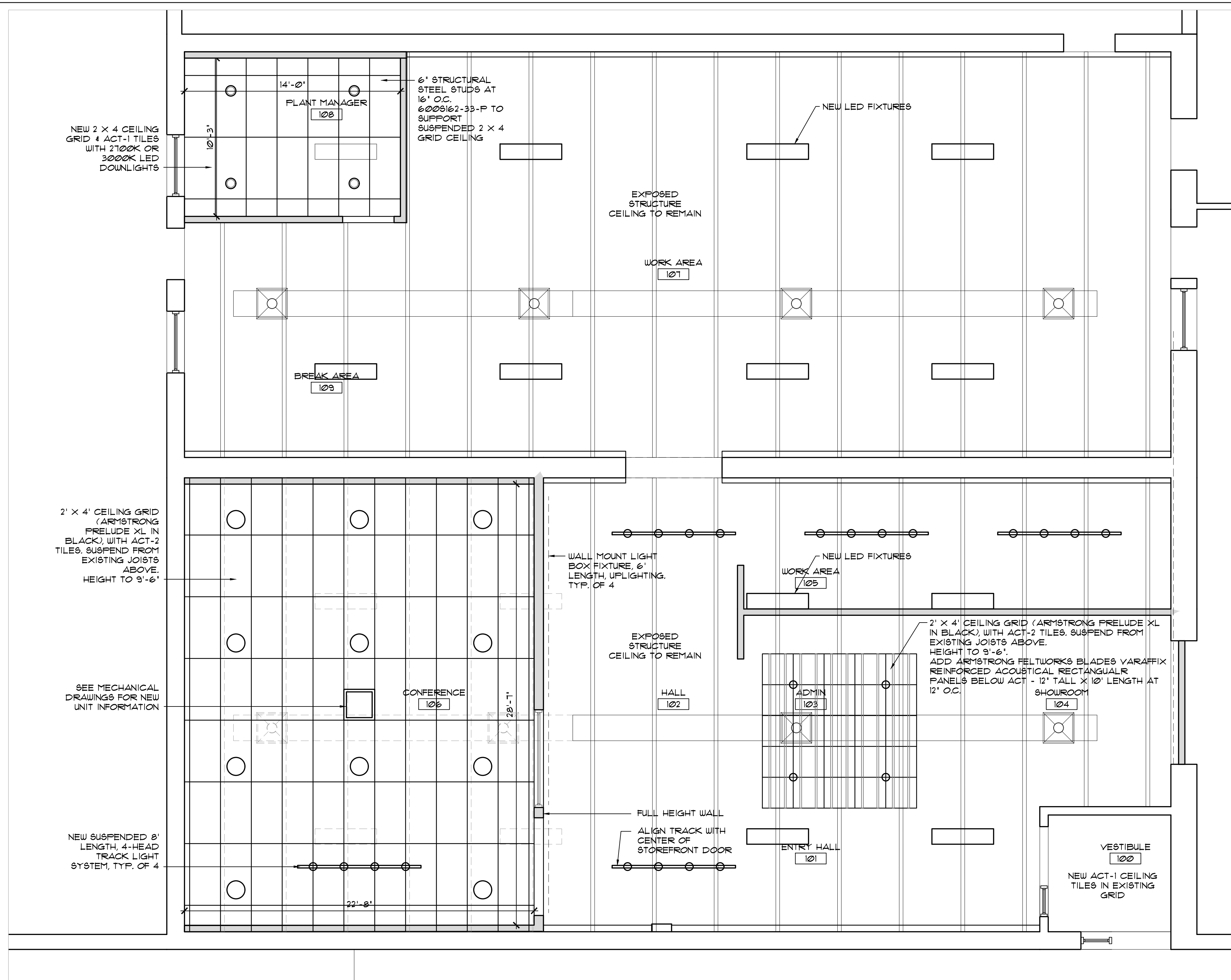
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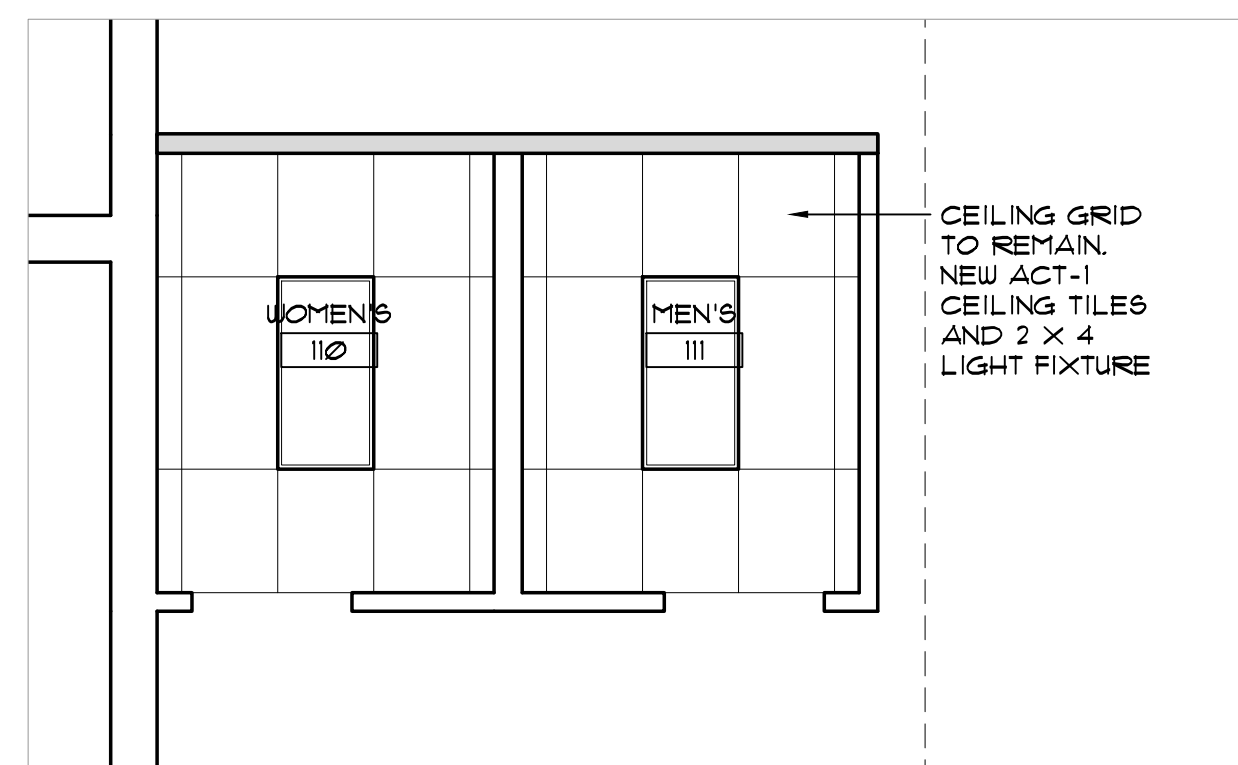
3 REFLECTED CEILING PLAN
1/8" = 1'-0"



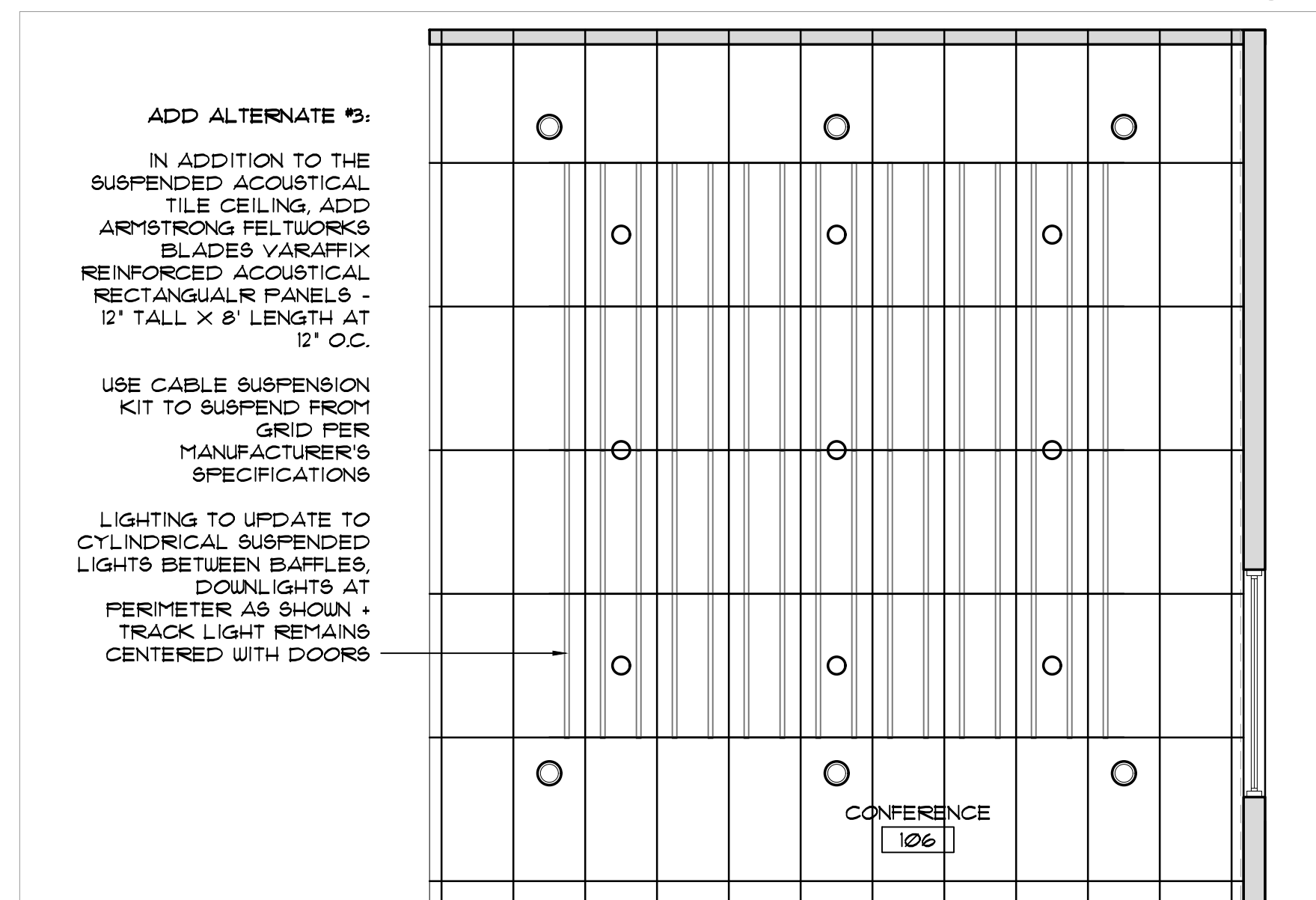
2 REFLECTED CEILING PLAN
1/8" = 1'-0"



1 REFLECTED CEILING PLAN
1/4" = 1'-0"



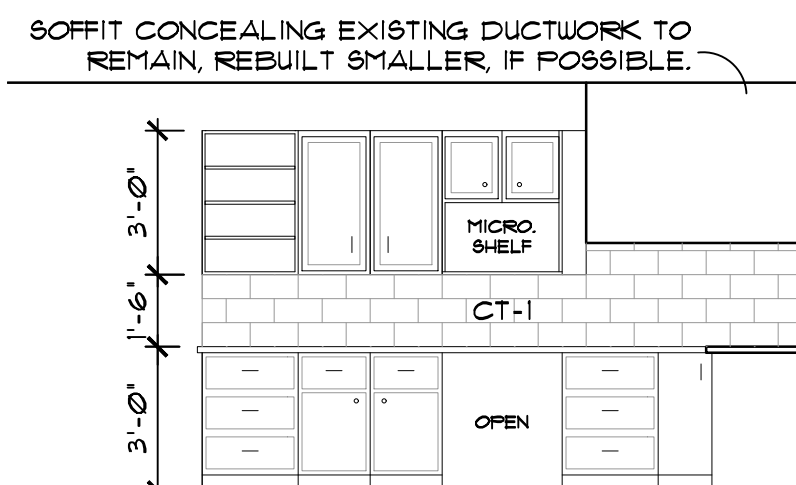
4 REFLECTED CEILING PLAN
1/4" = 1'-0"



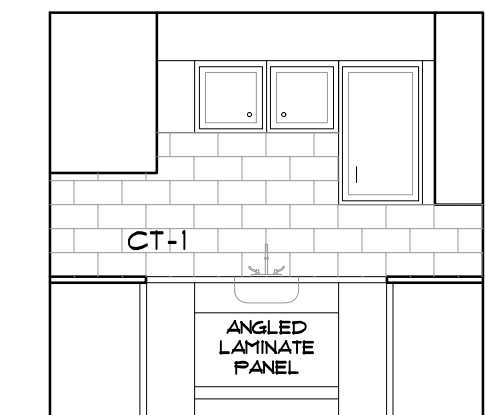
ADD ALTERNATE #3:
IN ADDITION TO THE SUSPENDED ACOUSTICAL TILE CEILING, ADD ARMSTRONG FELTWORKS BLADES VARAFIX REINFORCED ACOUSTICAL RECTANGULAR PANELS - 12" TALL X 8' LENGTH AT 12' O.C.
USE CABLE SUSPENSION KIT TO SUSPEND FROM GRID PER MANUFACTURER'S SPECIFICATIONS
LIGHTING TO UPDATE TO CYLINDRICAL SUSPENDED LIGHTS BETWEEN BAFFLES, DOWNLIGHTS AT PERIMETER AS SHOWN + TRACK LIGHT REMAINS CENTERED WITH DOORS

Revisions	
Project Irish Companies Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
KARYN E. TRAPP, RA 599 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title REFLECTED CEILING PLANS	
Project #: 25-001	Date: March 17th, 2025
Drawing No. A3.1	
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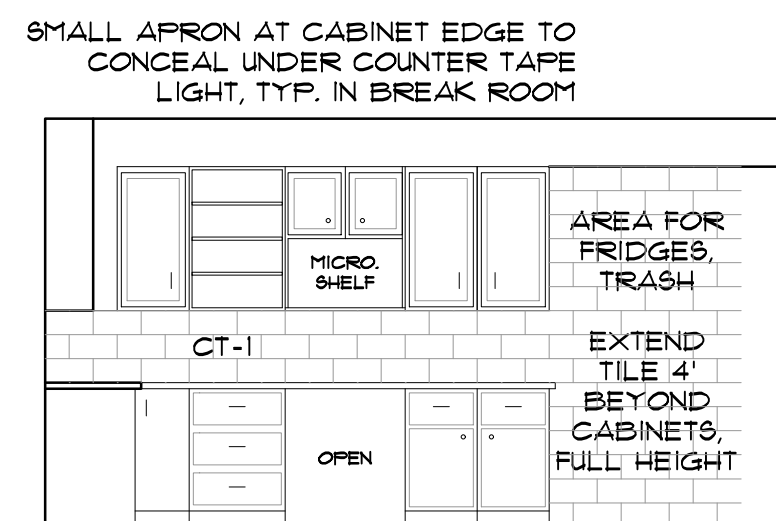
MILLWORK AT BOTH MEZZANINE OFFICE AREA KITCHEN AND FIRST FLOOR WORK AREA BREAK.
PLYWOOD CABINETRY WITH SHAKER DOOR STYLE, SOFT CLOSE DOOR HARDWARE.
HARDWARE BY TOP KNOBS, CHARLOTTE 6" FULLS & BERGEN KNOBS, BOTH IN OIL RUBBED BRONZE.
THIN, FLAT PROFILE SCHLUTER (OR EQUAL) JOLLY AT ALL TILE EDGES IN SCOPE



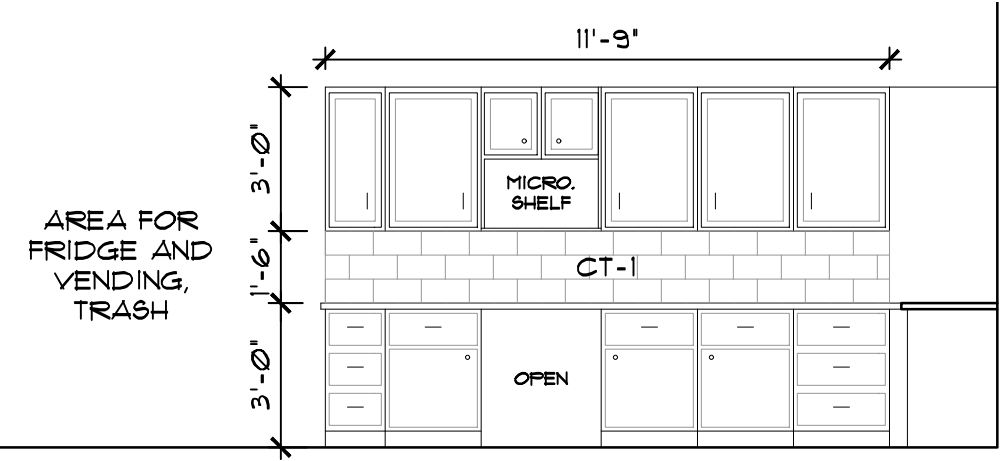
5 ELEVATION - BREAK 201
1/4" = 1'-0"



6 ELEV - BREAK 201
1/4" = 1'-0"



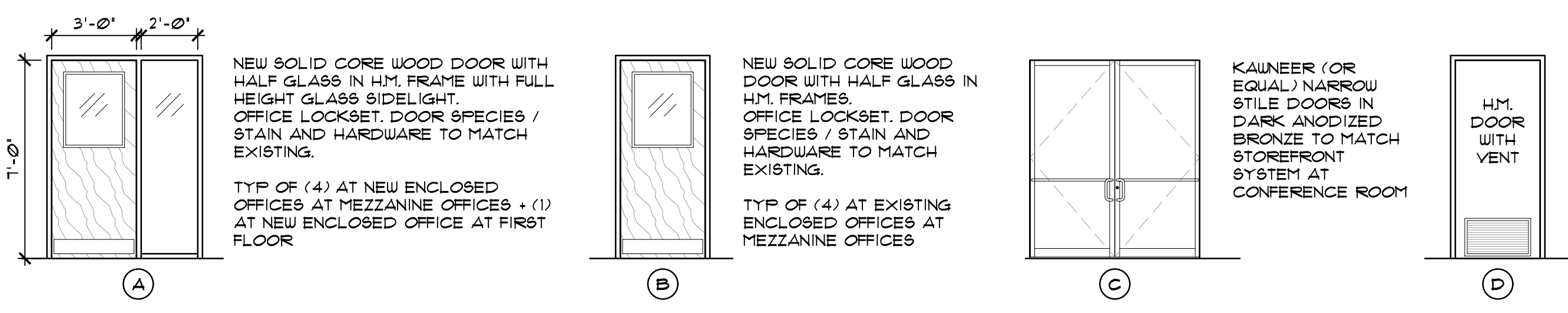
7 ELEV - BREAK 201
1/4" = 1'-0"



8 ELEVATION - BREAK 109
1/4" = 1'-0"

FINISH SCHEDULE					
SYMBOL	ITEM	MANUFACTURER	MODEL NUMBER	NAME	REMARKS
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA	BEVELED REGULAR	24" X 48" IN 15/16" PRELUDE SUSPENSION SYSTEM- WHITE TILES & GRID
ACT-2	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA	BEVELED REGULAR	24" X 48" IN 15/16" PRELUDE SUSPENSION SYSTEM- SYSTEM IN BLACK, CONFERENCE ROOM ONLY. BLACK EXPOSED GRID OVER ENTRY DECK
B-1	RUBBER BASE	ROPPE	125	FIG	4" HEIGHT FROM STANDARD COLORS - AT VLT AND VCT
B-2	RUBBER BASE	ROPPE	-	COLOR TBD	4" HEIGHT FROM STANDARD COLORS - AT CARPET TILE
B-3	WOOD BASE	-	-	STAINED	WOOD BASE IN CONFERENCE ROOM AND ON OUTSIDE OF WALL SHARED WITH CONF. ROOM. SEE PROFILE
CPT-1	CARPET TILE	INTERFACE	PLATFORM	CORNSILK	CONFERENCE ROOM, PARQUET PATTERN
CT-1	CERAMIC WALL TILE	DALTILE	MYTHOLOGY	SANTORINI MY30	4" X 12" BACKSLASH AT MEZZANINE OFFICE AREA BREAK. USE COLOR MATCH SEALANT AT TILE-TO-COUNTER TRANSITION. GROUT COLOR TBD. SEAL GROUT WITH HEAVY DUTY STAIN RESISTANT SEALER SCHLUTER (OR EQUAL) JOLLY AT EXPOSED EDGES
LVT-1	LUXURY VINYL TILE	ARMSTRONG	ST214	SELVA MANGROVE	5" X 48" WOOD-LOOK PLANK
P-1	PAINT	SHERWIN WILLIAMS	SW 7552	GREEK VILLA	GENERAL FIELD COLOR
P-2	PAINT	SHERWIN WILLIAMS	SW 1048	URBANE BRONZE	ACCENT WALL (TOP OF WALL IN LARGE ROOMS + EXPOSED CEILING)
P-3	PAINT	SHERWIN WILLIAMS	SW 9024	VINTAGE GOLD	ACCENT WALL
P-4	PAINT	SHERWIN WILLIAMS	-	-	HM DOOR FRAME COLOR
P-5	PAINT	SHERWIN WILLIAMS	-	-	CEILING PAINT AT SOFFIT AT MEZZANINE BREAK
PL-1	PLASTIC LAMINATE	WILSONART	5005-38	SIERRA CASCADE	COUNTERTOPS
Q-1	QUARTZ	WILSONART	Q4044	HANOLA GREY	TRANSACTION TOP AT RECEPTION. SLIGHT EASED EDGES
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	51899	COOL WHITE	STANDARD IMPERIAL COLLECTION SERIES. SEAL PER MANUFACTURER'S RECOMMENDATIONS
WC-1	WALLCOVERING	MDC	RESTORATION ELEMENTS	INDUSTRIAL, INC	ACCENT WALL OUTSIDE OF LARGE CONFERENCE ROOM

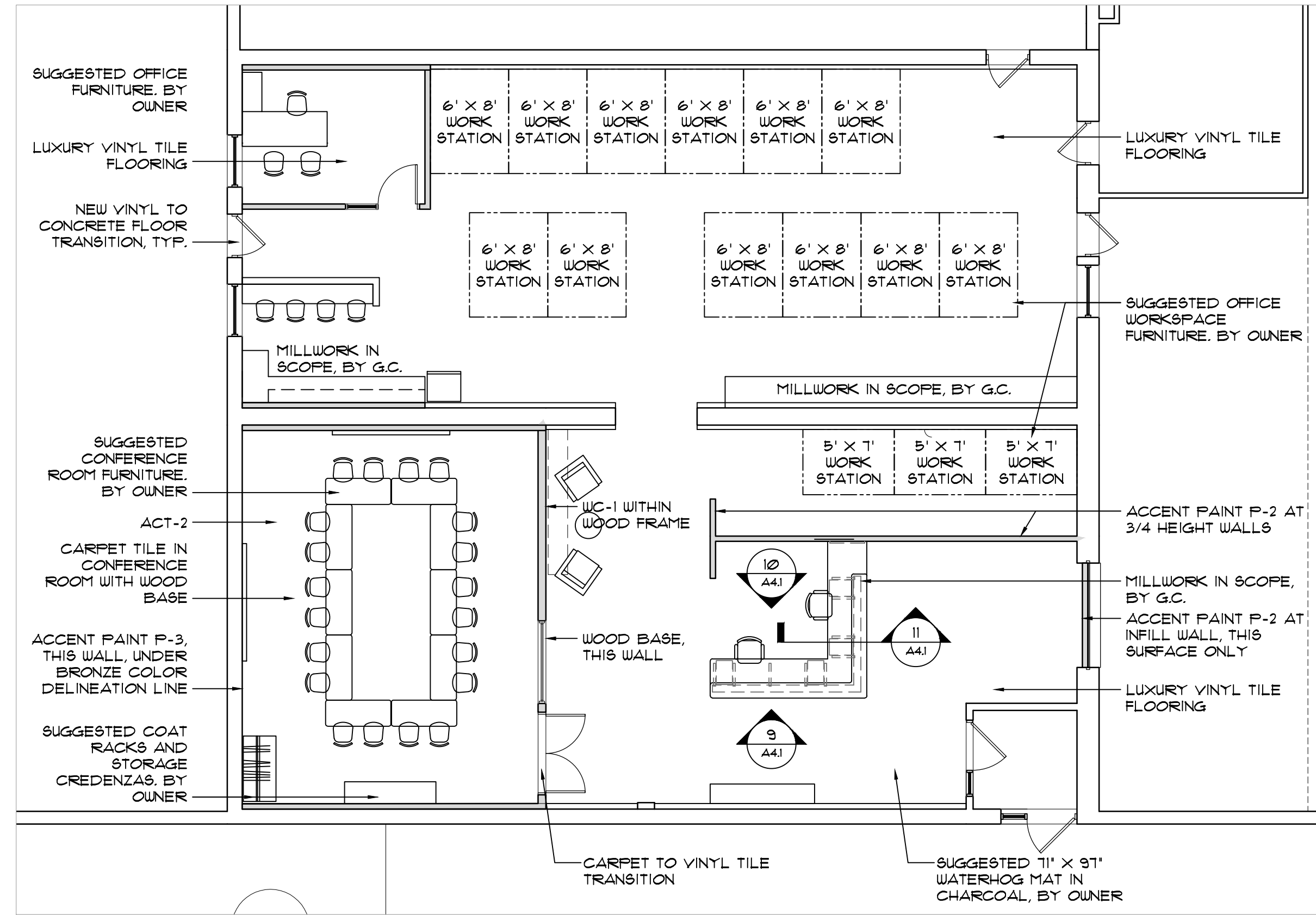
DOOR SCHEDULE							
DOOR NUMBERS ARE BASED ON THEIR CORRESPONDING ROOM NUMBER							
DOOR HARDWARE FINISH TO MATCH EXISTING BRUSHED CHROME US26D							
DOOR NO.	TYPE	MATERIAL	SIZE	FRAME	HARDWARE DET NO.	NOTES	
106	C	ALUM/GLASS	(2) 3'-0" X 7'-0"	1 3/4" ALUM	-	SEE WALL ELEVATION ON A2.1	
108	A	WOOD	3'-0" X 7'-0"	1 3/4" HM.	-	GLASS SIDELIGHT	
110	D	HM.	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
111	D	HM.	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
210	A	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	GLASS SIDELIGHT	
210-A	-	WOOD SLIDING	(2) 3'-0" X 7'-0"	1 3/4" HM.	-	DOOR WIDTH PER FINAL CLOSET SIZE	
211	A	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	GLASS SIDELIGHT	
212	A	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	GLASS SIDELIGHT	
213	B	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
214	B	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
215	B	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
216	B	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	EXISTING HM. FRAME TO BE SPOT Sanded & CLEANED AS NECESSARY. NEW PAINT	
217	A	WOOD/GLASS	3'-0" X 7'-0"	1 3/4" HM.	-	GLASS SIDELIGHT	
EX-202						EXISTING WOOD DOOR AT HALLWAY TO REMAIN. NEW DOORS WITH HALF GLASS TO BE BASED ON THIS DOOR FOR STYLE, SPECIES, STAIN. EXCEPTION: USE LEVER HARDWARE IN LIEU OF KNOB	



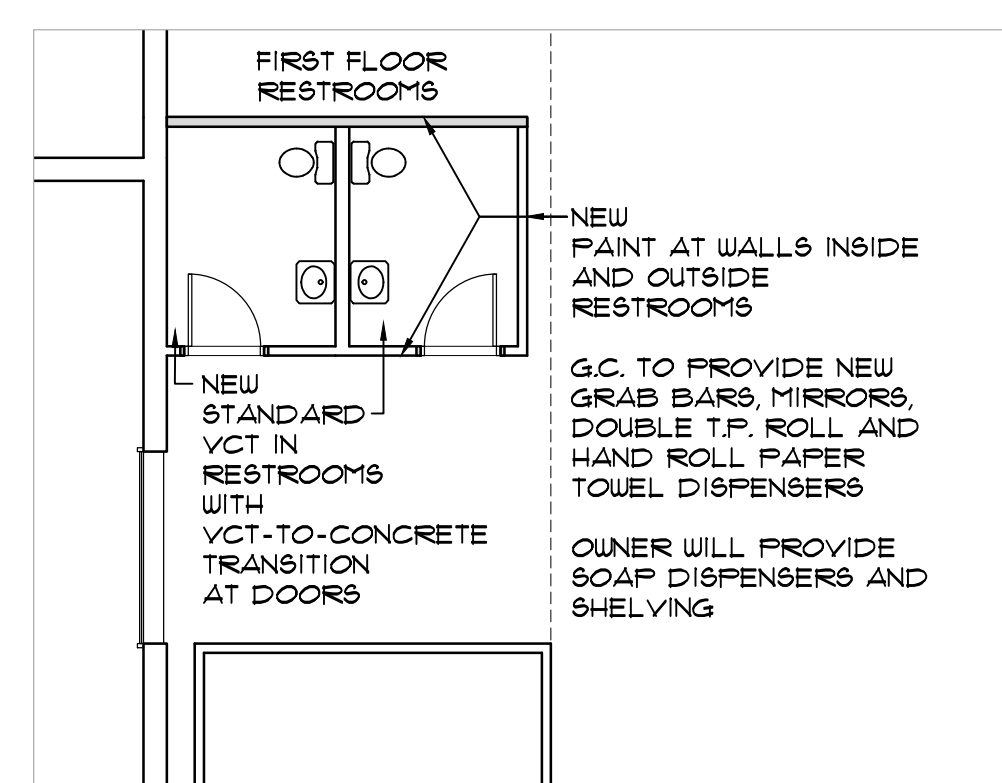
B-3 WOOD BASE PROFILE, OR SIMILAR, 1 1/4" HEIGHT, WITH SHOE, STAINED TO MATCH TRIM SURROUND AT STOREFRONT

KAWNEER (OR EQUAL) NARROW STILE DOORS IN DARK ANODIZED BRONZE TO MATCH STOREFRONT SYSTEM AT CONFERENCE ROOM

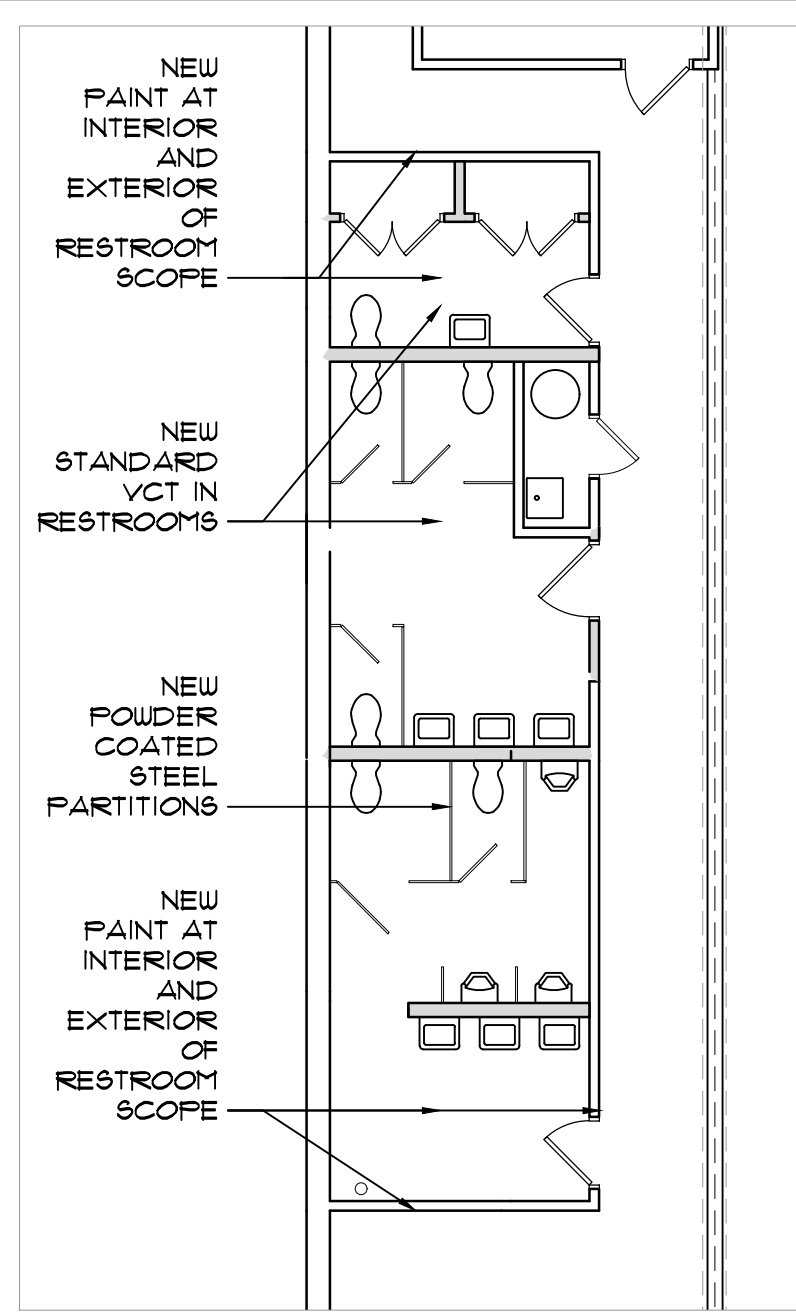
HM. DOOR WITH VENT



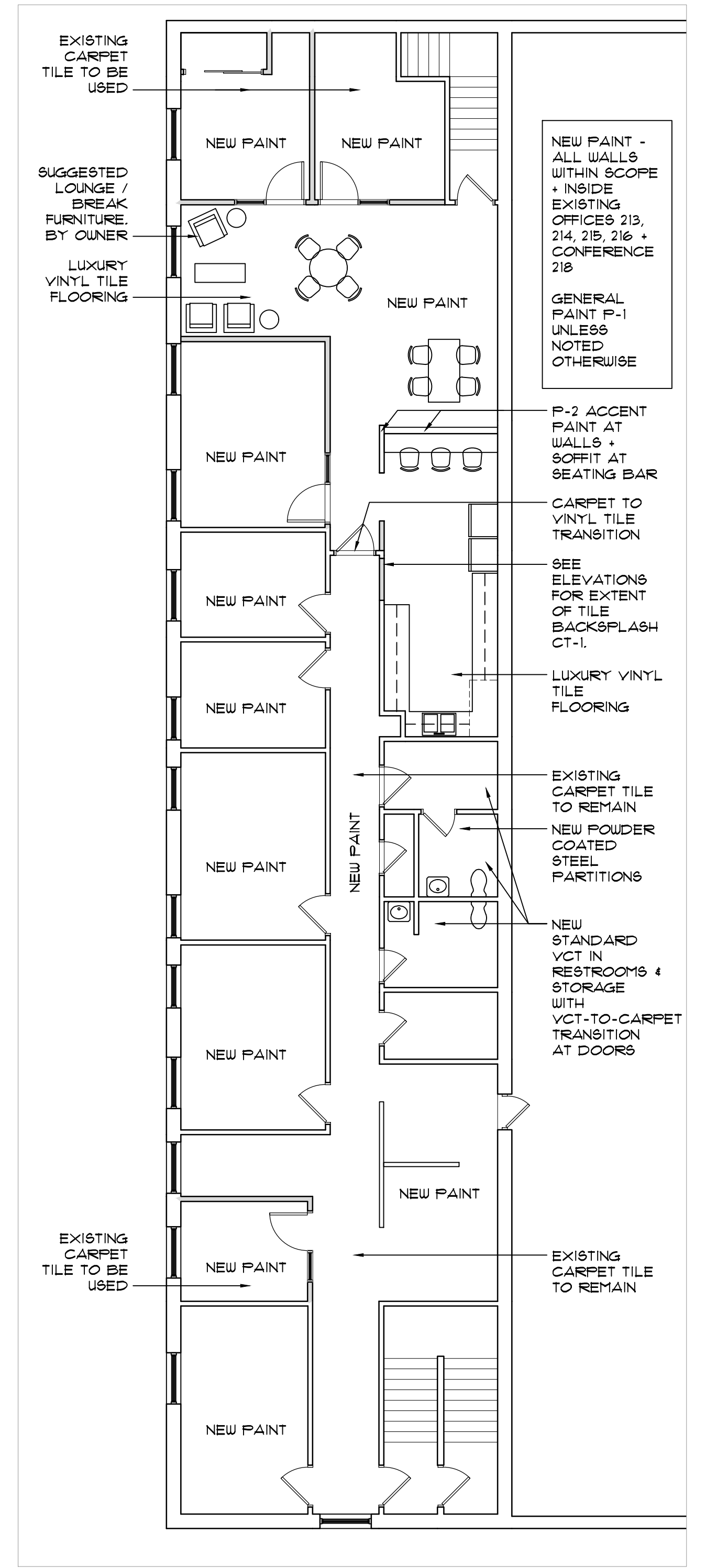
1 FINISH PLAN
1/8" = 1'-0"



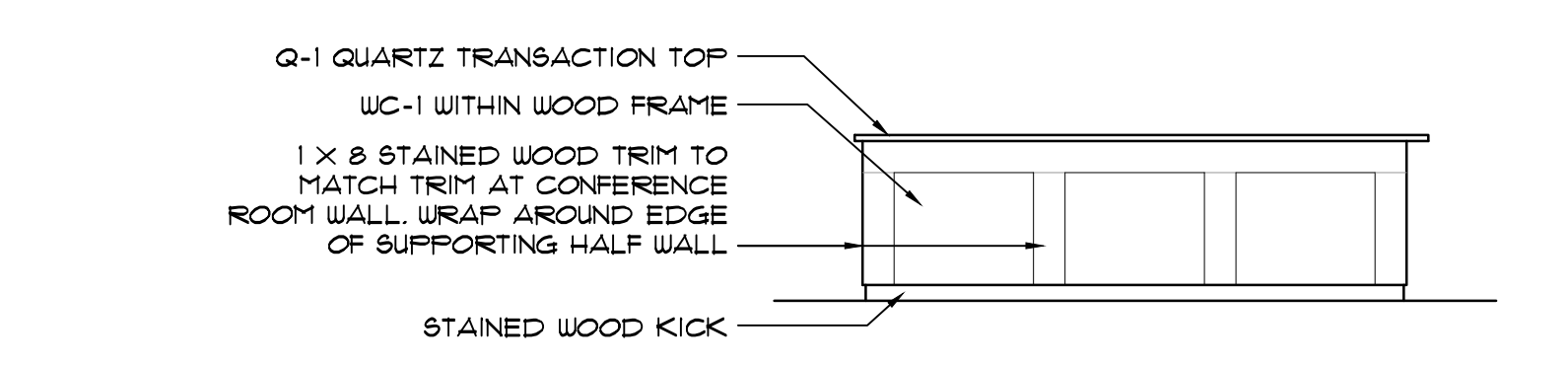
2 FINISH PLAN
1/8" = 1'-0"



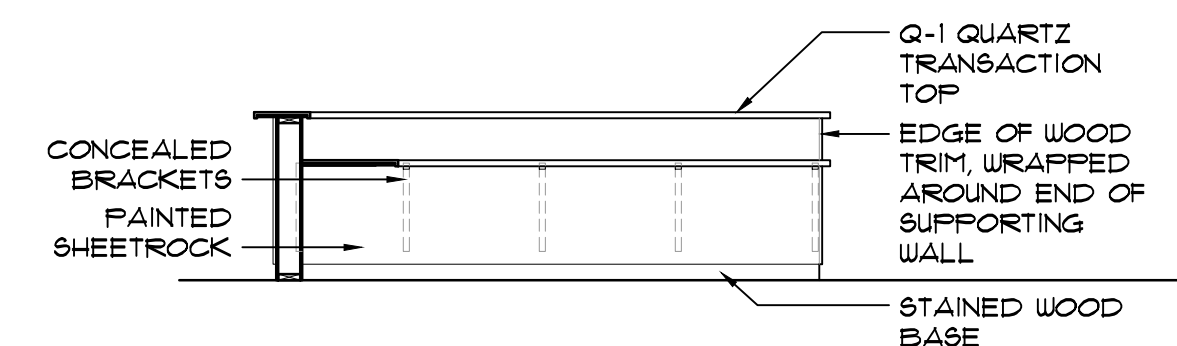
4 FINISH PLAN
1/8" = 1'-0"



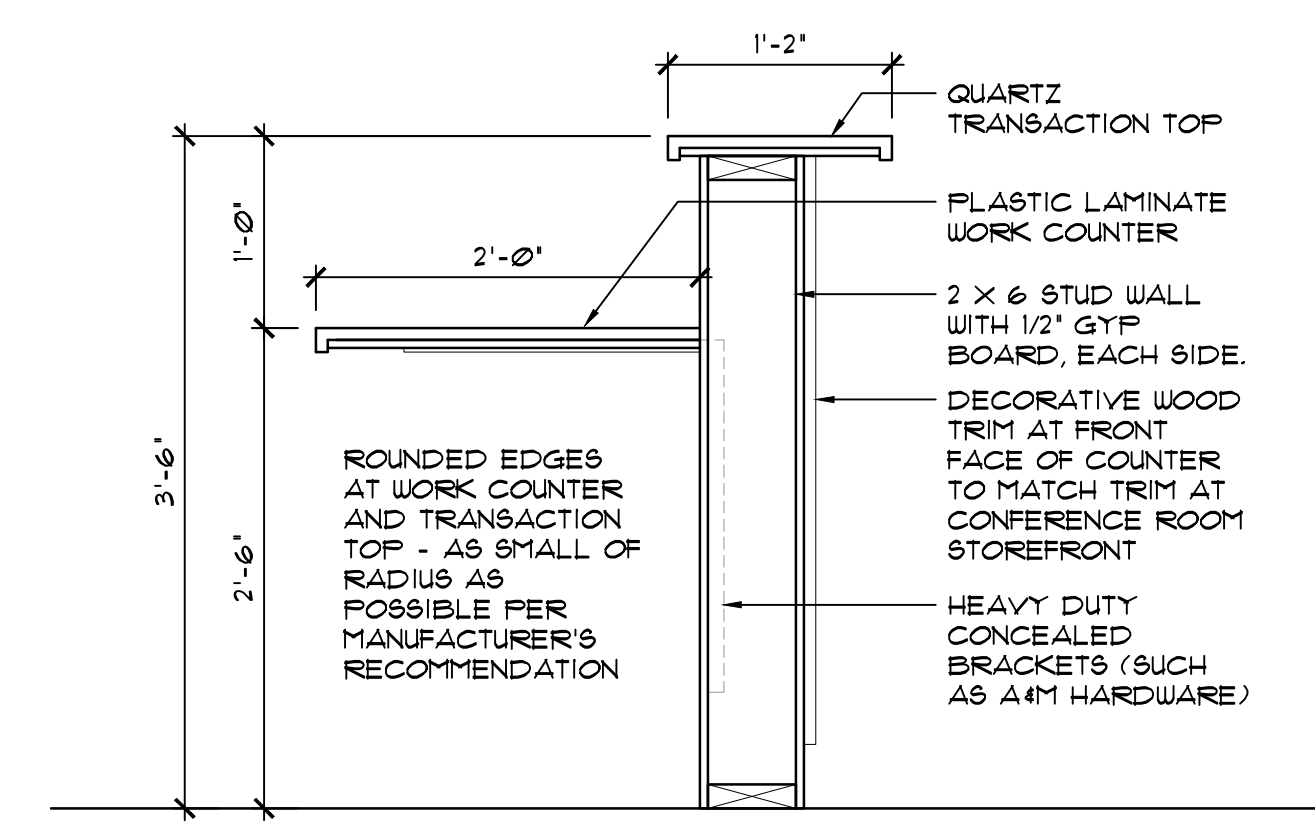
3 FINISH PLAN
1/8" = 1'-0"



9 ELEVATION - ENTRY COUNTER
1/4" = 1'-0"



10 ELEVATION - ENTRY COUNTER
1/4" = 1'-0"



11 SECTION - ENTRY COUNTER
1" = 1'-0"

- PROVIDE TRANSITION STRIPS AS REQUIRED BETWEEN FLOOR MATERIAL CHANGES.
- PROVIDE SCHLUTER (OR EQUAL) TRIM AS REQUIRED AT ALL NON-FINISHED/ EXPOSED TILE EDGES.
- PATCH ALL GYPSUM BOARD WALL AND CEILING SURFACES AT ITEMS REMOVED DURING DEMOLITION PRIOR TO PAINTING, AS REQUIRED. DETERMINE FIELD CONDITIONS PRIOR TO SUBMITTING BIDS FOR PATCHING/ PAINTING. PAINT EXISTING HOLLOW METAL DOOR & WINDOW FRAMES WITHIN SCOPE.
- ALL EXISTING BASE FLOOR SURFACES (TYPICALLY CONCRETE) TO BE PREPARED TO RECEIVE NEW FLOOR FINISHES PER MANUFACTURER'S REQUIREMENTS.

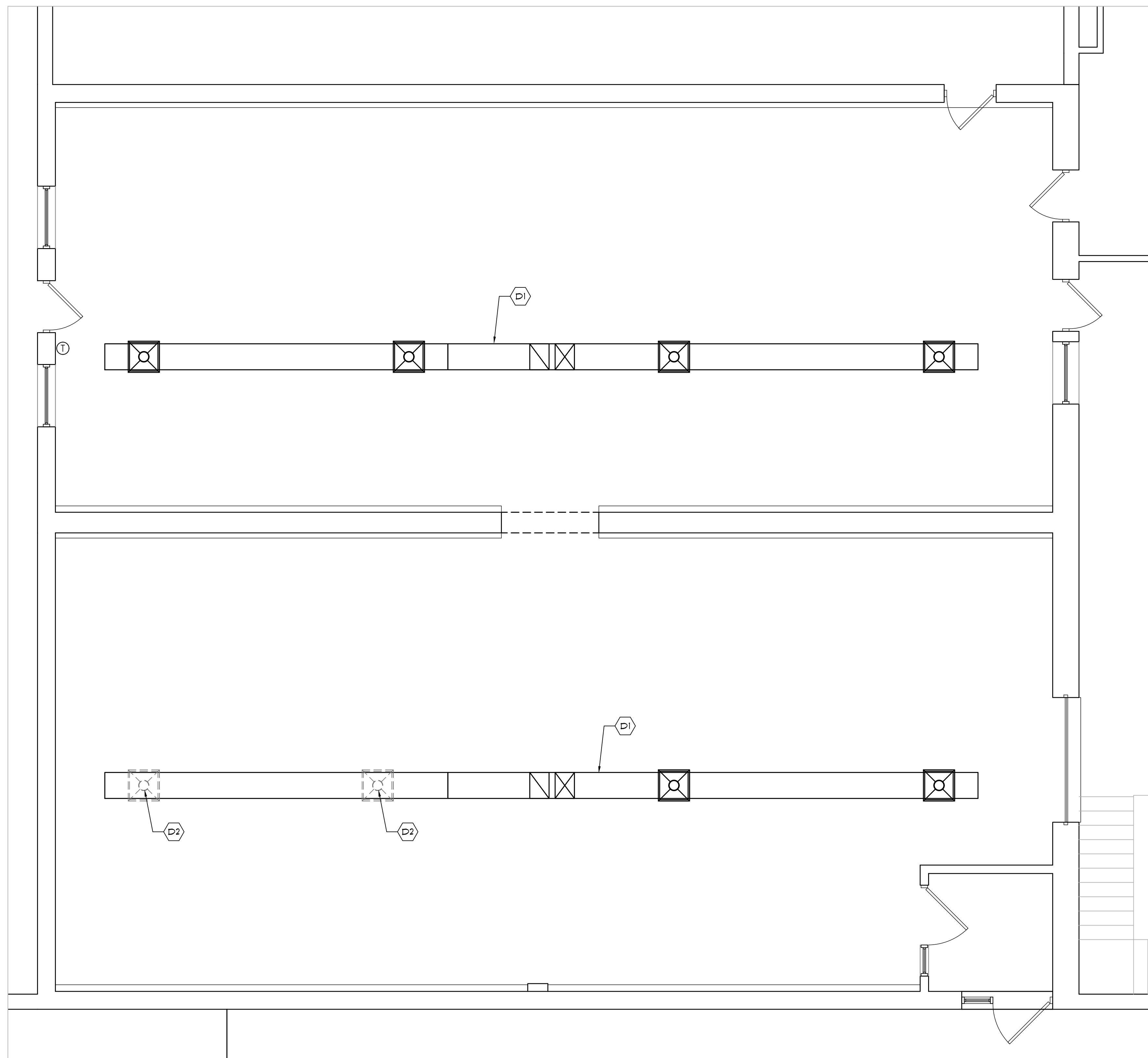
Revisions

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



Sheet Title
SCHEDULES AND MILLWORK

Project #: 25-001 Date: March 17th, 2025
Drawing No. **A4.1**
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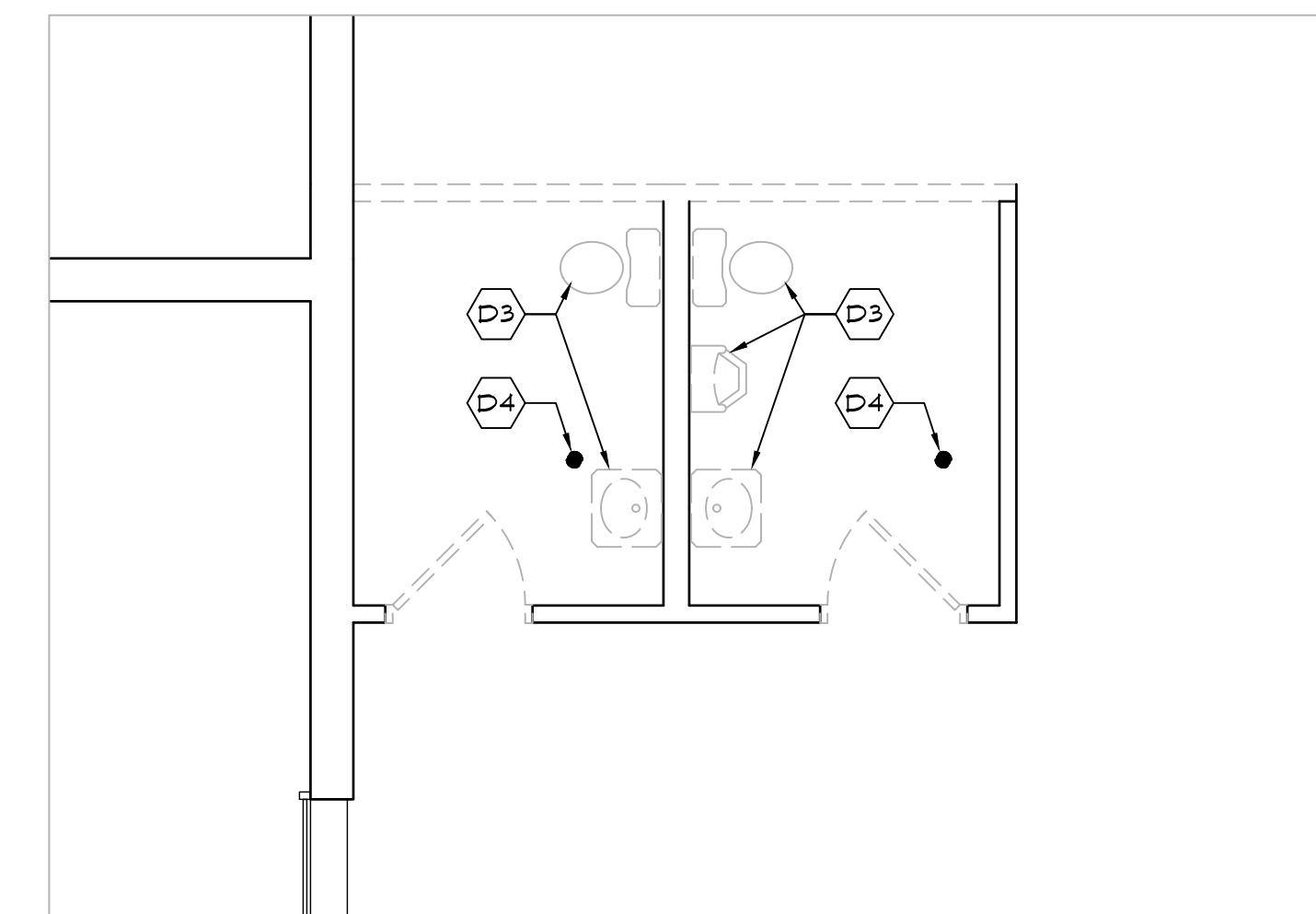

1 DEMO PLAN
 1/4" = 1'-0" FIRST FLOOR SCOPE OF WORK #1

KEYED DEMOLITION NOTES

-  EXISTING DUCTWORK TO REMAIN.
-  DISCONNECT, REMOVE AND DISPOSE OF SUPPLY DIFFUSER. INSTALL 1" (VERIFY NECK SIZE) VOLUPE CHAMFER AND SET FOR AIR OPEN.
-  DISCONNECT, REMOVE AND DISPOSE OF PLUMBING FIXTURES. TEMPORARILY CAP SANITARY AND VENT. INSTALL NEW BAUTOFFS AS APPLICABLE. TO BE RECONNECTED UNDER NEW WORK.
-  DISCONNECT, REMOVE AND DISPOSE OF SPRINKLER. INSTALL FLEX HEAD AND SECURE UNTIL NEW CEILING IS INSTALLED.

GENERAL DEMOLITION NOTES

- 1. VERIFY EXTENT OF NEW WORK WITH ARCHITECT.
- 2. PERFORM PRE-DEMOLITION REPORT AND SUBMIT TO ARCHITECT/ENGINEER. THIS SHALL INCLUDE ALL DIFFUSERS WITHIN WORK AREA AS WELL AS DIFFUSERS IN ADJACENT AREAS SERVED BY COMMON ROOF TOP UNITS THAT WILL BE AFFECTED BY THIS WORK.
- 3. THERE IS NOT AN EXISTING TEMPERATURE CONTROL SYSTEM.

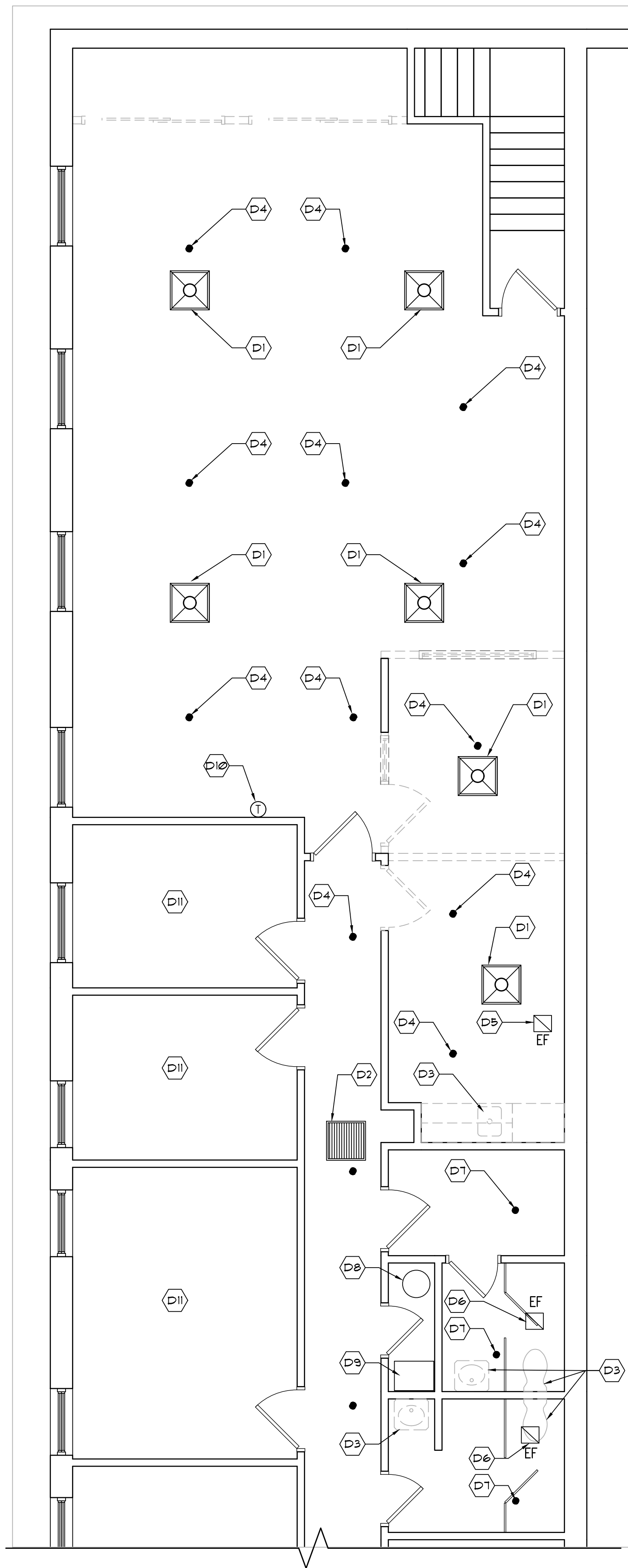



2 DEMO PLAN
 1/4" = 1'-0" FIRST FLOOR RESTROOMS, SCOPE OF WORK #2



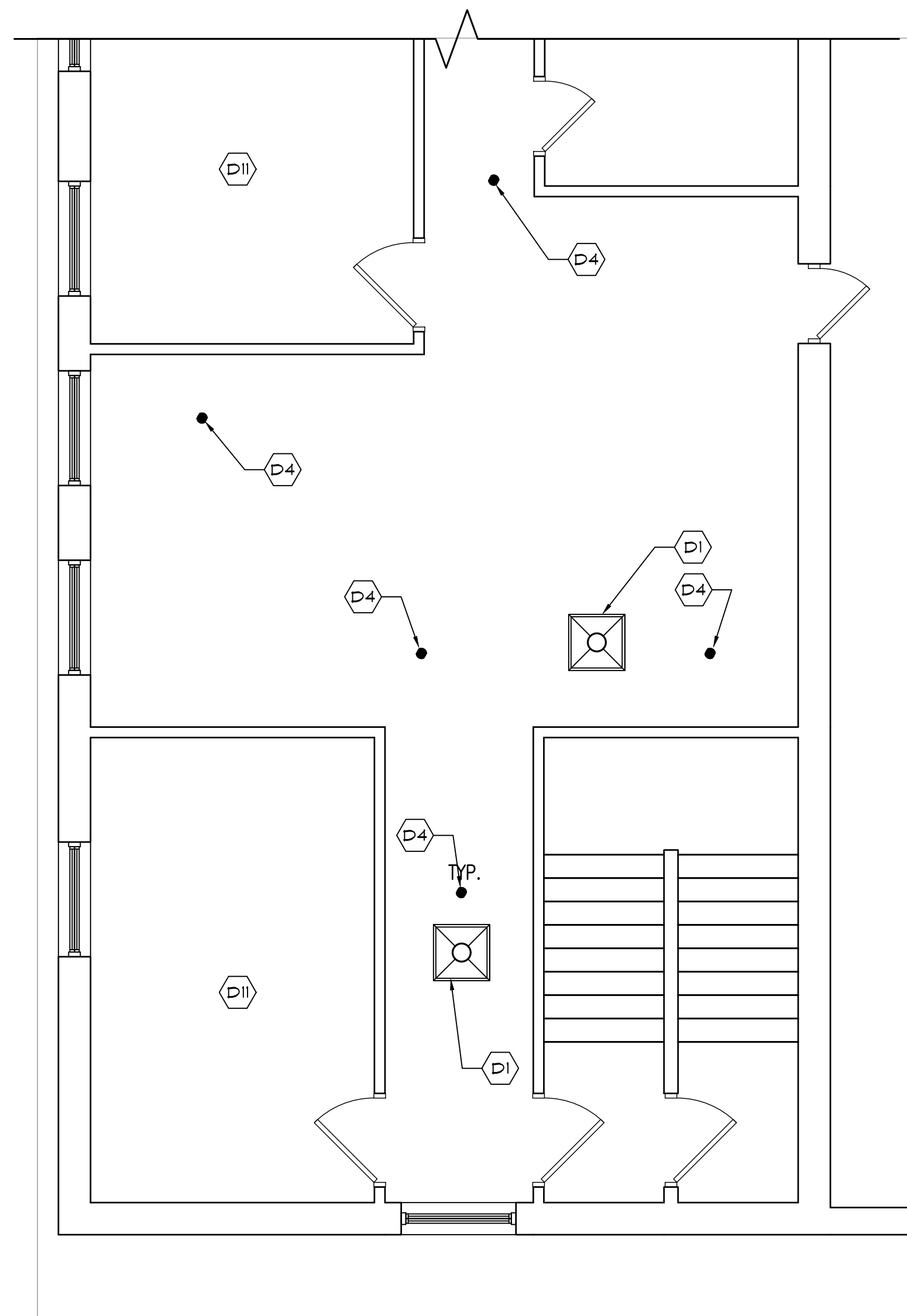
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 STUDIO K ARCHITECTURE, PLLC KARYN E. TRAPP, RA 599 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title	
DEMOLITION PLANS - FIRST FLOOR MECHANICAL/PLUMBING/FP	
Project #: 25-001	Date: March 17th, 2025
Drawing No.	
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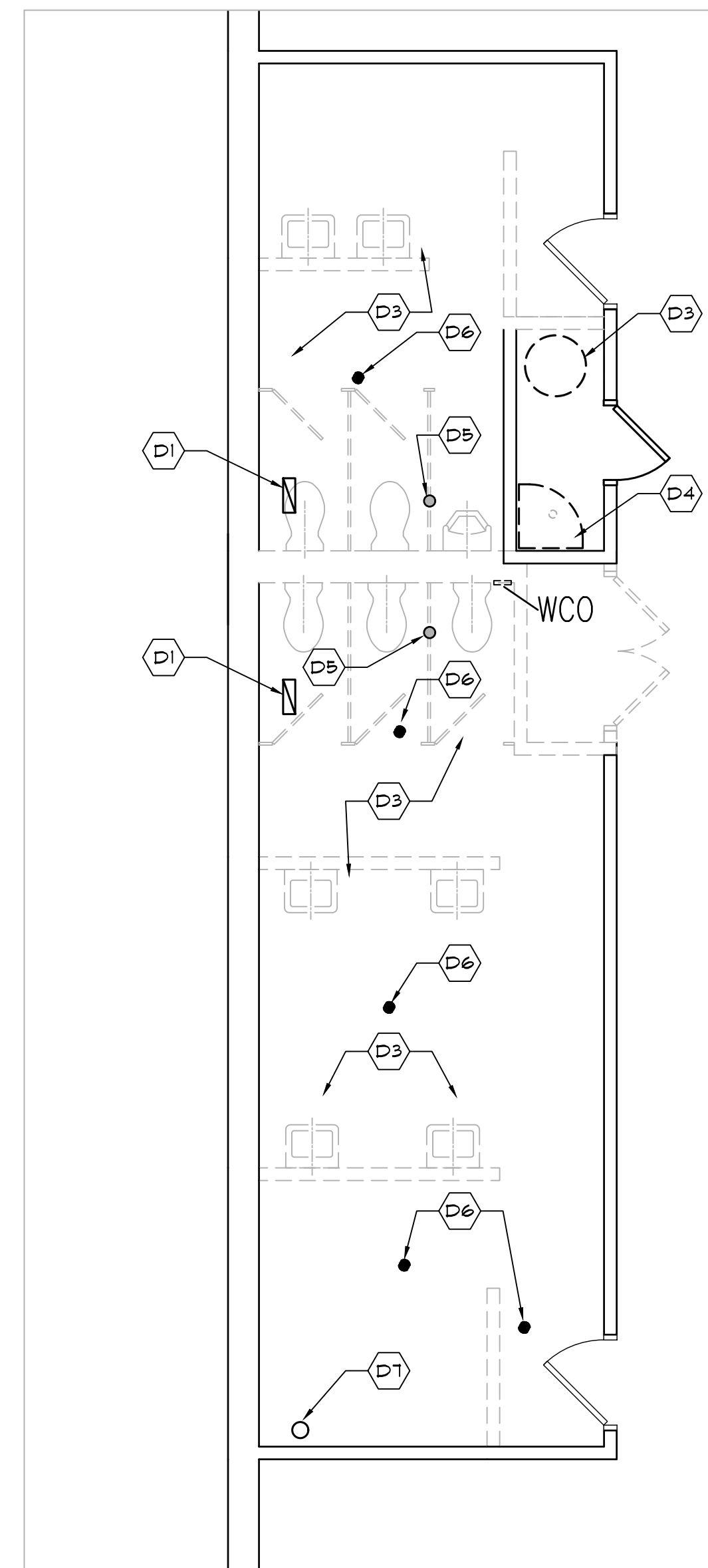


3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #3

- KEYED DEMOLITION NOTES
MEZZANINE FLOOR OFFICE SPACE
- D1 CAREFULLY DISCONNECT AND REMOVE SUPPLY DIFFUSER. CLEAN AND STORE FOR RECONNECTION UNDER NEW WORK.
 - D2 CAREFULLY DISCONNECT AND REMOVE RETURN GRILLE. CLEAN AND STORE FOR RECONNECTION UNDER NEW WORK.
 - D3 DISCONNECT, REMOVE AND DISPOSE OF FILTERING FUTURE(S). TEMPORARILY CAP SANITARY AND VENT. INSTALL NEW SHUTOFFS AS APPLICABLE, TO BE RECONNECTED UNDER NEW WORK.
 - D4 DISCONNECT, REMOVE AND DISPOSE OF SPRINKLER. INSTALL FLEX HEAD AND SECURE UNTIL NEW CEILING IS INSTALLED.
 - D5 CAREFULLY DISCONNECT AND REMOVE EXHAUST GRILLE. CLEAN AND STORE FOR RECONNECTION UNDER NEW WORK.
 - D6 EXISTING EXHAUST TO REMAIN.
 - D7 EXISTING SPRINKLER TO REMAIN.
 - D8 EXISTING HOT WATER TANK TO REMAIN.
 - D9 EXISTING HOP BAK TO REMAIN.
 - D10 EXISTING THERMOSTAT TO REMAIN.
 - D11 NO WORK IN THIS AREA.

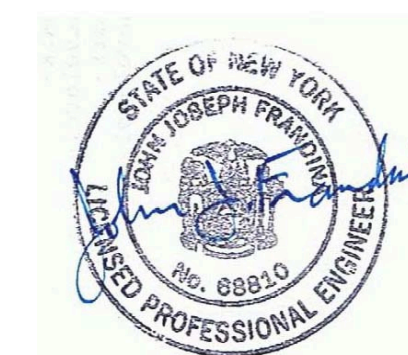


3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #3



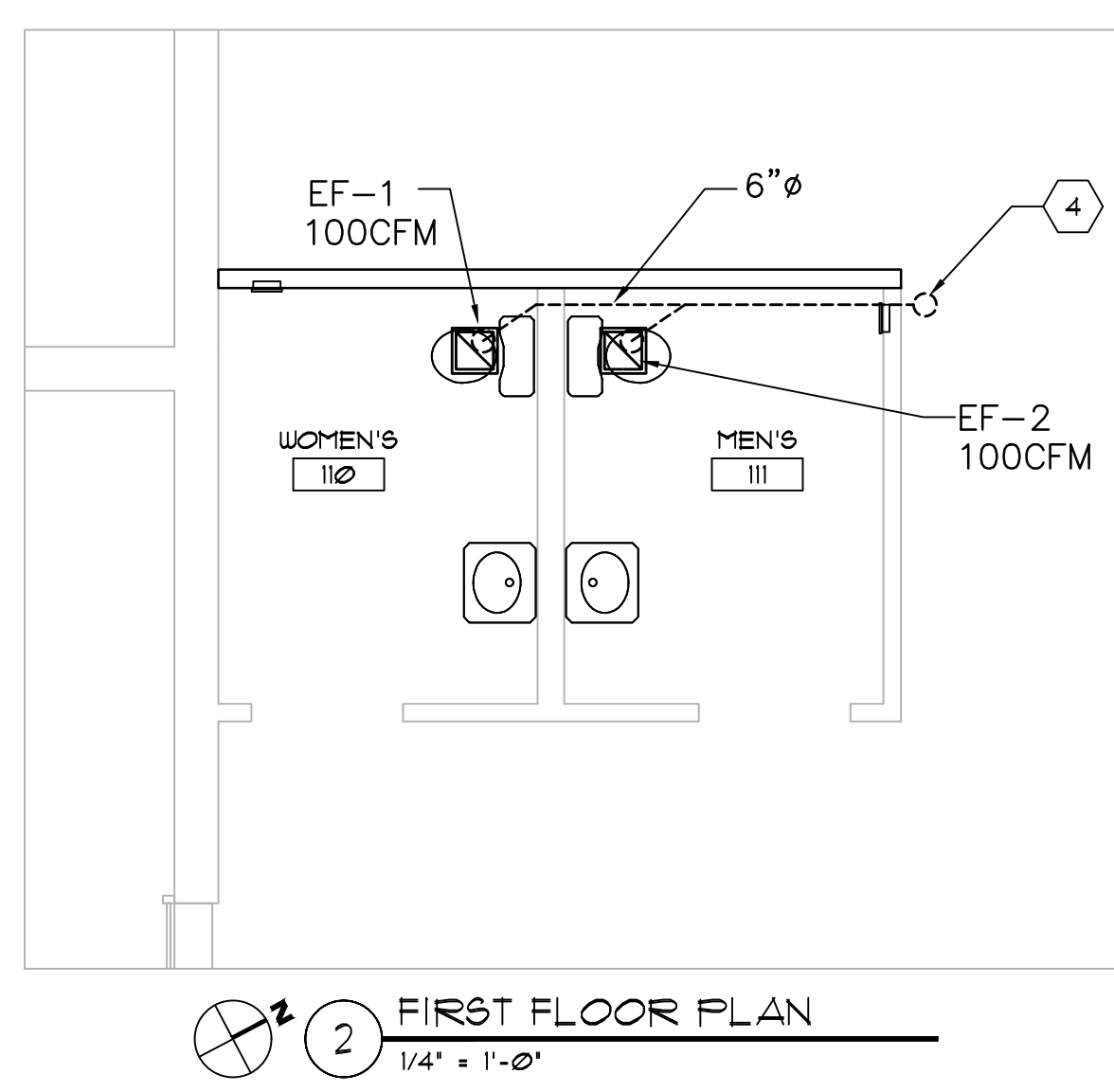
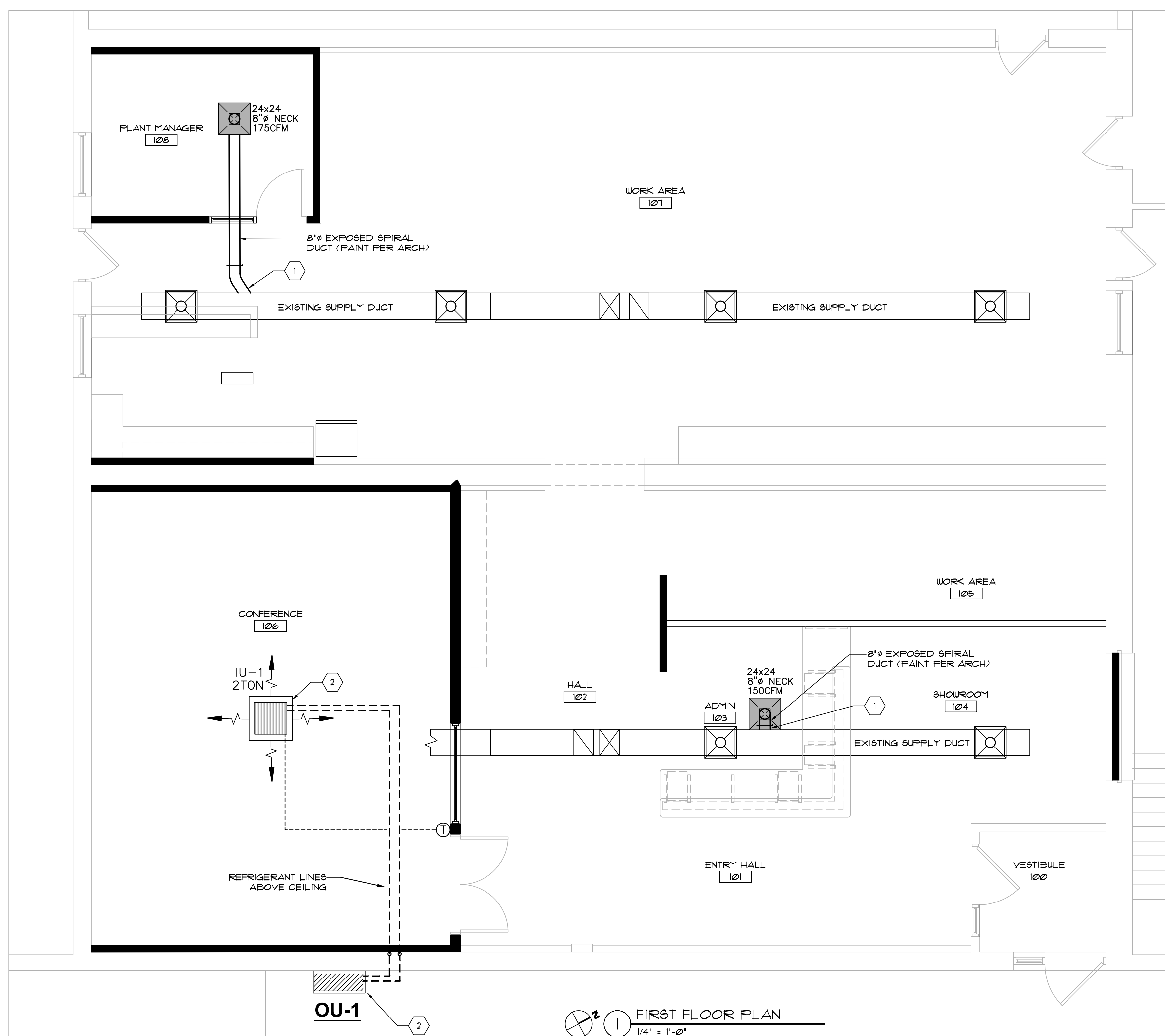
3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR RESTROOMS, SCOPE OF WORK #4

- KEYED DEMOLITION NOTES
MEZZANINE FLOOR RESTROOMS
- D1 DISCONNECT, REMOVE AND DISPOSE OF EXHAUST FAN DUCTWORK AND GRILLE.
 - D2 DISCONNECT, REMOVE AND DISPOSE OF FILTERING FUTURE(S). REMOVE SANITARY IN ITS ENTIRETY DOWN TO MAIN BELOW MEZZANINE FLOOR. REMOVE VENT PIPING BACK TO ABOVE CEILING. REMOVE COLD WATER BACK TO MAIN AND INSTALL NEW SHUTOFF. REMOVE HOT WATER BACK TO TANK.
 - D3 DISCONNECT, REMOVE AND DISPOSE OF HOT WATER TANK. PIPING DOWN TO FIRST FLOOR RESTROOMS TO REMAIN. INSTALL NEW SHUTOFFS AND PREP FOR RECONNECTION.
 - D4 DISCONNECT, REMOVE AND DISPOSE OF HOP BAK. REMOVE SANITARY IN ITS ENTIRETY DOWN TO MAIN BELOW MEZZANINE FLOOR. REMOVE VENT PIPING BACK TO ABOVE CEILING. REMOVE COLD WATER BACK TO MAIN AND INSTALL NEW SHUTOFF. REMOVE HOT WATER BACK TO TANK.
 - D5 EXISTING FLOOR DRAIN TRAP AND PIPING TO BE REMOVED BACK TO MAIN BELOW MEZZANINE FLOOR.
 - D6 DISCONNECT, REMOVE AND DISPOSE OF SPRINKLER. INSTALL FLEX HEAD AND SECURE UNTIL NEW CEILING IS INSTALLED.
 - D7 FIRE PROTECTION PIPING TO REMAIN.



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Revisions	
Project Irish Companies Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
 STUDIO K ARCHITECTURE, PLLC KARYN E. TRAPP, RA 599 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title DEMOLITION PLANS - MEZZ LEVEL MECHANICAL/PLUMBING/FP	
Project #: 25-001	Date: March 17th, 2025
Drawing No. DM1.2	
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- GENERAL MECHANICAL NOTES**
1. CHANGE FILTERS IN ROOF TOP UNITS SERVING WORK AREAS.
 2. COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED PLANS.
 3. PREPARE POST-CONSTRUCTION BALANCE REPORT AND SUBMIT TO ARCHITECT/OWNER. THIS SHALL INCLUDE ALL DIFFUSERS WITHIN WORK AREA AS WELL AS DIFFUSERS IN ADJACENT AREAS SERVED BY COMMON ROOF TOP UNITS AFFECTED BY THIS WORK.
 4. ALL SUPPLY & RETURN DUCTWORK TO BE ASTM A484, 60K GALVANIZED STEEL GAUGES AS RECOMMENDED BY SPAGNA, FN-135A.
 5. ALL EXHAUST DUCTWORK TO BE ASTM A484, ALUMINUM M40-M44 GAUGES AS RECOMMENDED BY SPAGNA, FN-135A.

2 FIRST FLOOR PLAN
1/4" = 1'-0"

- KEYED MECHANICAL NOTES**
1. CONNECT TO EXISTING SUPPLY DUCT WITH SPIRAL GULLAN. INSTALL VOLUME DAMPER AND 8" SPIRAL DUCT DOWN TO NEW CEILING SUPPLY DIFFUSER. USE PRICE MODEL, SPD OR EQUAL, COMFORT BALANCE.
 2. INSTALL NEW DUCTLESS SPLIT SYSTEM COMPLETE WITH OUTDOOR UNIT, REFRIGERANT LINE SETS, INSULATION, SUPPORTS, THERMOSTAT AND CONTROL WIRING.
 3. MOUNT OUTDOOR UNIT TO BUILDING EXTERIOR AT 24" ABOVE GRADE. SUPPORT ON MANUFACTURER'S WALL BRACKET.
 4. INSTALL NEW 6" ALUMINUM EXHAUST DUCT UP THROUGH ROOF. TERMINATE 24" ABOVE THE ROOF WITH ROOFSECK AND ENDSCKEN. HIRE SERVICES OF OWNER'S ROOFING CONTRACTOR FOR ROOF OPENING AND FLASHING.

EXHAUST FAN SCHEDULE

EQUIPMENT #	SERVICE	MFG.	MODEL	CFM	ESP (in. wg.)	MOTOR W or HP	RPM	ELECTRICAL DATA		NOTES
								V/φ/Hz	FLA	
EF-1 & 2	FIRST FLOOR RESTROOMS	GREENHECK	SP-A125	100	0.25	53W	1,100	115/1/60	0.62	1
EF-3	MEZZANINE SINGLE RESTROOM	GREENHECK	SP-A125	100	0.25	53W	1,100	115/1/60	0.62	1
EF-4, 5	MEZZANINE RESTROOMS	GREENHECK	SP-A190	150	0.25	113W	1,400	115/1/60	1.3	2,3

- NOTES:**
1. CONTROL THROUGH ROOM LIGHT OCCUPANCY SENSOR SWITCH.
 2. PROVIDE SQUARE TO ROUND DUCT ADAPTER.
 3. CONTROL THROUGH SEPARATE WALL SWITCH.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	M-NET Address	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB(WB) (°F) / [Water in temp]	Heating Design Entering Temp DB(WB) (°F) / [Water in temp]	Corrected Capacity			Estimated Cooling Coil LAT (°F) / [LWT]	Estimated Heating Coil LAT (°F) / [LWT]	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) / [Design gpm GUS/min]	Max Fan ESP Setting 208V/230V (IN WG)	Voltage / Phase	Electrical MCA/MFS	Condensate Removal Rate (gal/hr)	Actual Port Assignments	Notes / Options
										Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)											
IUIOU-1	Conference 106	IU-1	N/A	TPLA0A0241EA80	Ceiling-Cassette (Four-Way)	24,000	26,000	75.0/63.0	70	FULL DEMAND	22,136.9	19,839.4	FULL DEMAND	23,838.3	51.2	98.3	5/8 / 3/8	HIGH	810	208/230V/1-phase	Powered by Outdoor	0.42	1, 2, 3, 4

Notes & Options:

- 1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
- 2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- 3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
- 4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
- 5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.
- 6 Factory representatives shall review the project prior to and throughout the installation of CITY MULTI equipment.
- 7 Factory representatives shall startup and commission CITY MULTI equipment upon completion of equipment installations.
- 8 Factory representatives shall provide on-site assistance for the BMS integration of the CITY MULTI equipment.
- 9 Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment.
- 10 Provide Wind Baffle Kit for Cooling to 0F for P-Series (SF for PLMY and MX2).

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	M-NET Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Efficiency (IEER) [SEER]	EER2 [SEER2]	Heating COP @ 47°F [HSPFF]	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Max Pipe Length from BC or 1st Joint (feet)	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Inverter Driven Compressor Type / Quantity	Preliminary Added Field Charge (See Note 5)	Electrical-Per Module			Notes / Options	
																			208/230 or [460V]	MCA 208/230 or [460V]	RFS		MOCP
OU-1	OU-1	N/A	PLZ-HA24NH41-R1		24,000	26,000	0 [N/A]	11.7 []	2.08 [N/A]	100.0 %	88.0	1.2	0.0	3/8 / 5/8	22,136.9	23,838.3	Scroll/1	0.0	208/230V / 1-phase	17	25	27	1, 2, 3, 4, 5, 6, 7, 8, 9

Notes & Options:

- 1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
- 2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- 3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
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- 6 Factory representatives shall review the project prior to and throughout the installation of CITY MULTI equipment.
- 7 Factory representatives shall startup and commission CITY MULTI equipment upon completion of equipment installations.
- 8 Factory representatives shall provide on-site assistance for the BMS integration of the CITY MULTI equipment.
- 9 Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment.
- 10 Provide Wind Baffle Kit for Cooling to 0F for P-Series (SF for PLMY and MX2).

Revisions

Project

Irish Companies

Facility Improvements
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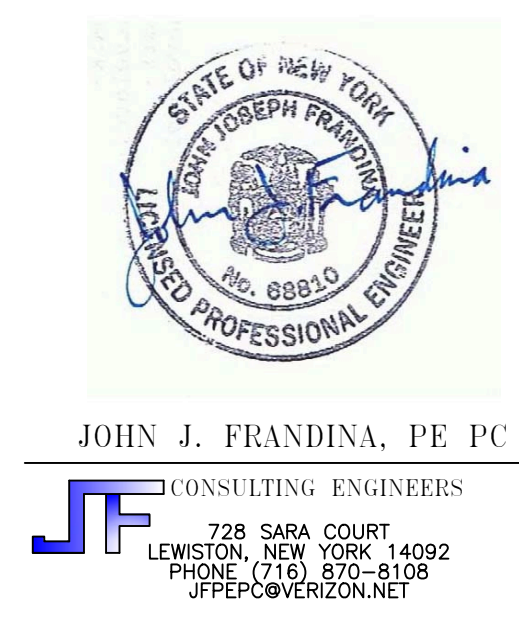
Sheet Title
FLOOR PLANS - FIRST FLOOR MECHANICAL/PLUMBING

Project #: 25-001

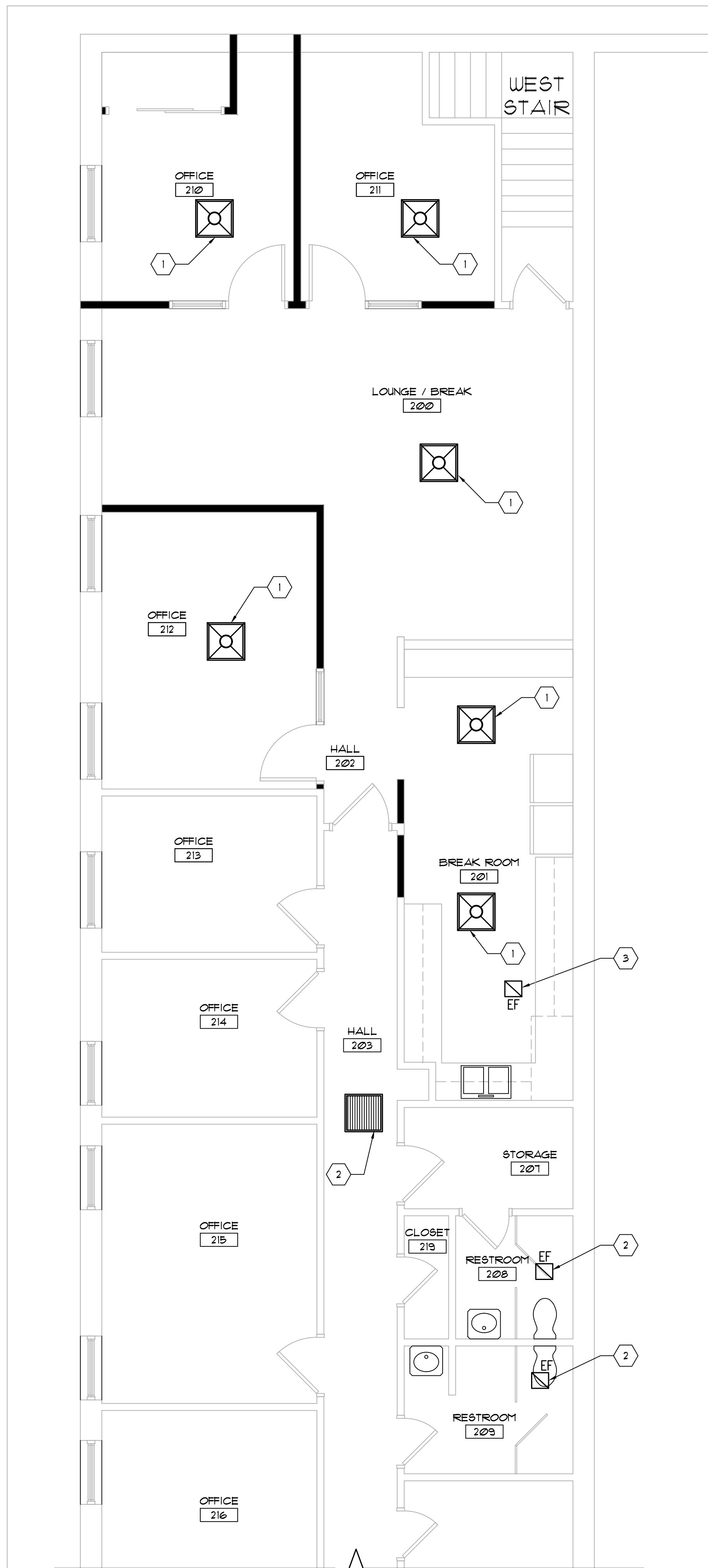
Date: April 28th, 2025

Drawing No.
M1.1

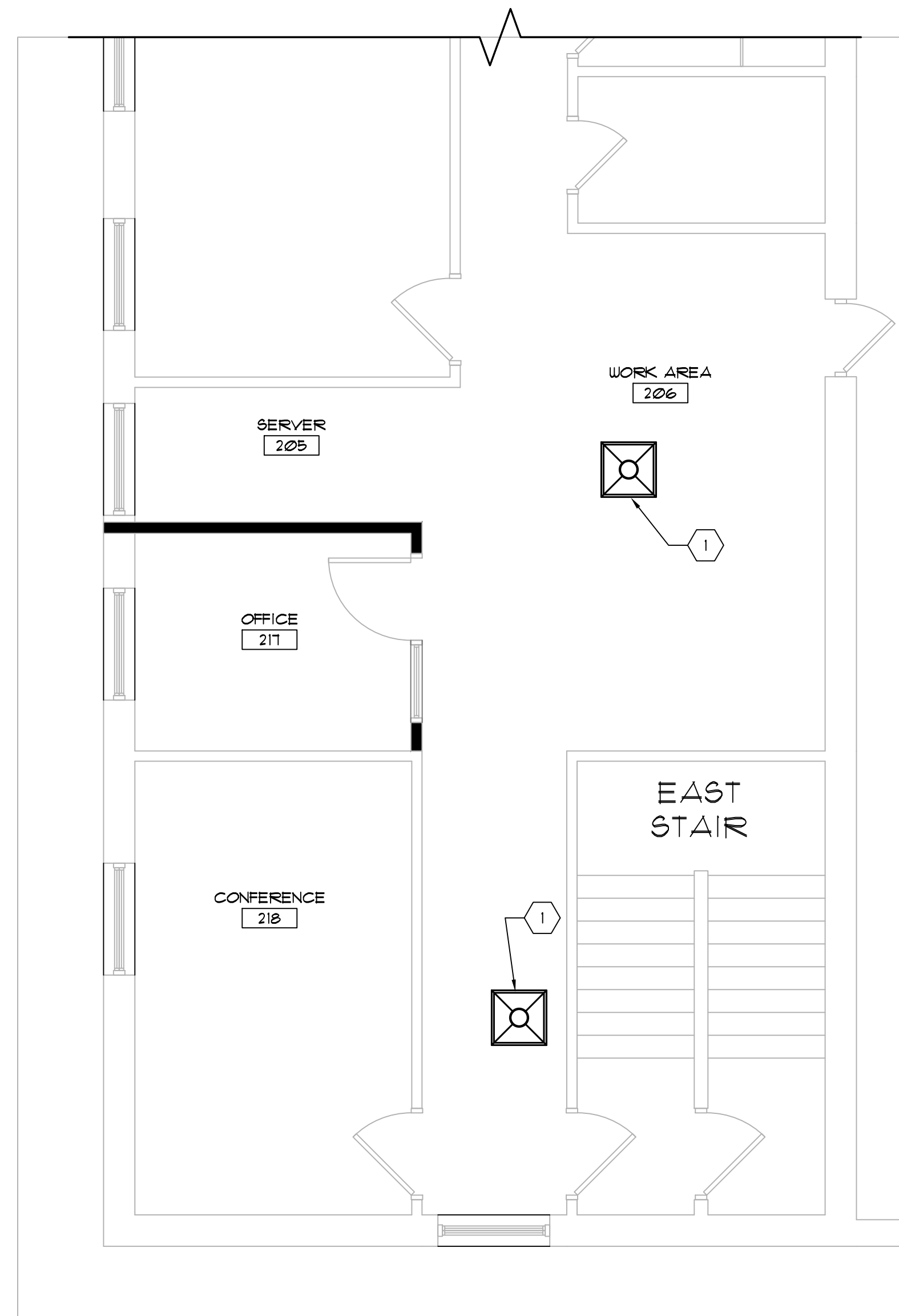
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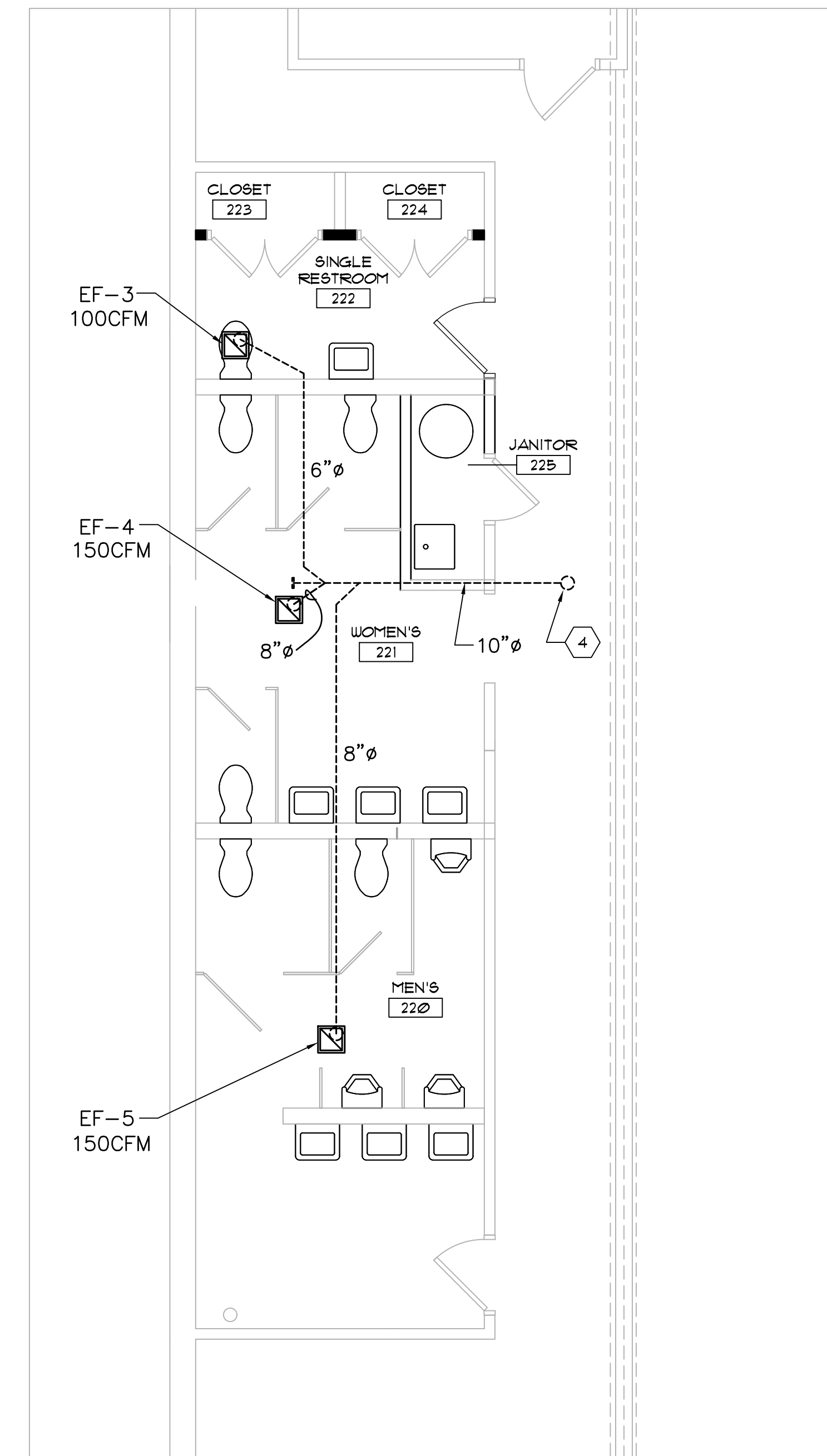


MEZZANINE OFFICE FLOOR PLAN
1
1/4" = 1'-0"



MEZZANINE OFFICE FLOOR PLAN
2
1/4" = 1'-0" PARTIAL

- KEYED CONSTRUCTION NOTES
- 1 REINSTALL RELOCATED SUPPLY DIFFUSER WITH NEW HARD DUCT ELBOW RECONNECT INSULATED FLEX. USE HARD DUCT STRAIGHT SECTION TO KEEP FLEX LENGTH NO MORE THAN 4FT.
 - 2 REINSTALL RELOCATED RETURN GRILLE, HOODY + RECONNECT DUCT.
 - 3 REINSTALL RELOCATED EXHAUST GRILLE, HOODY + RECONNECT DUCT.
 - 4 INSTALL NEW 1/2" ALUMINUM EXHAUST DUCT UP THROUGH ROOF. TERMINATE 24" ABOVE THE ROOF WITH GOODRICK AND BARSCREEN.

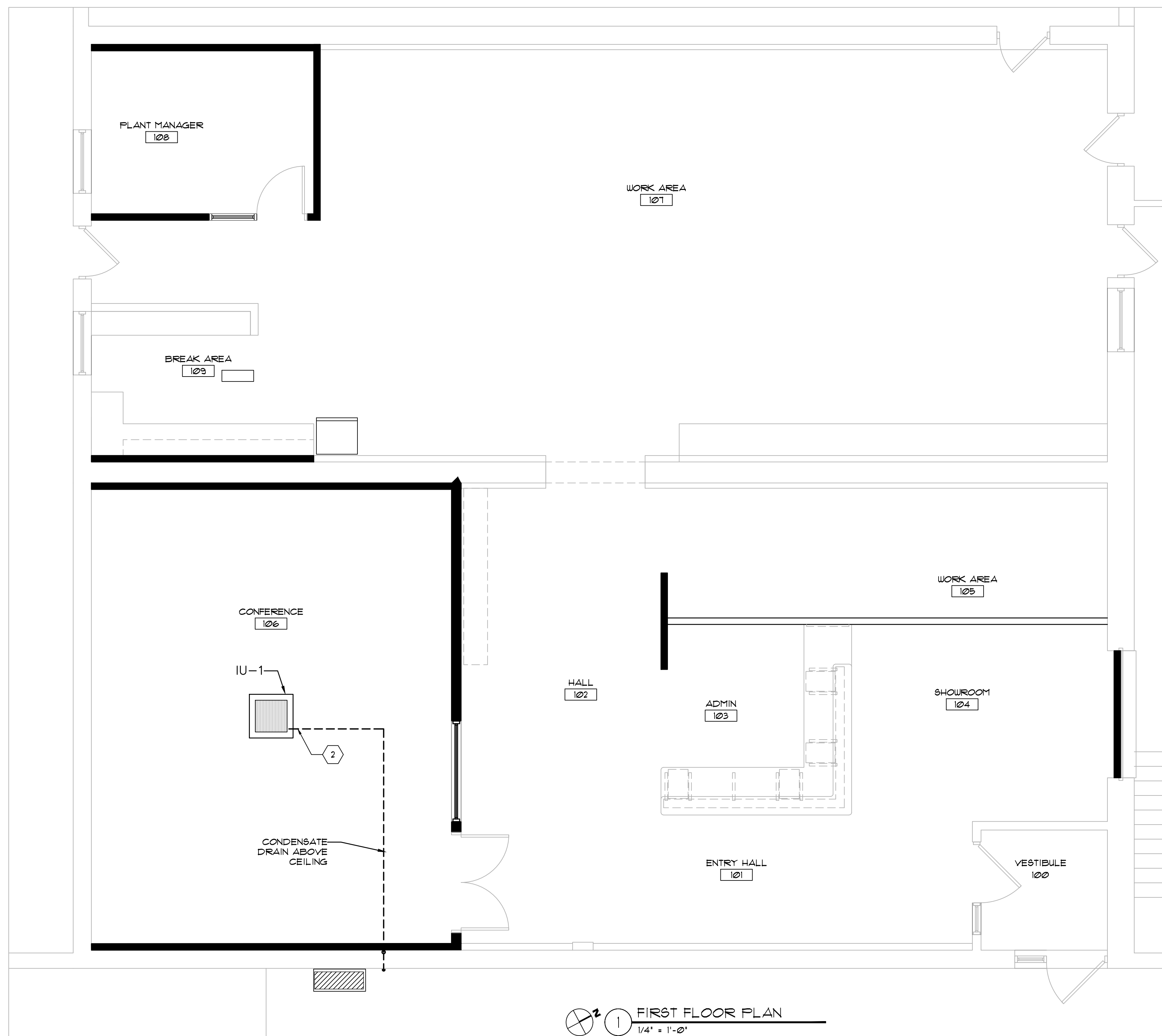


MEZZANINE RESTROOM PLAN
3
1/4" = 1'-0"

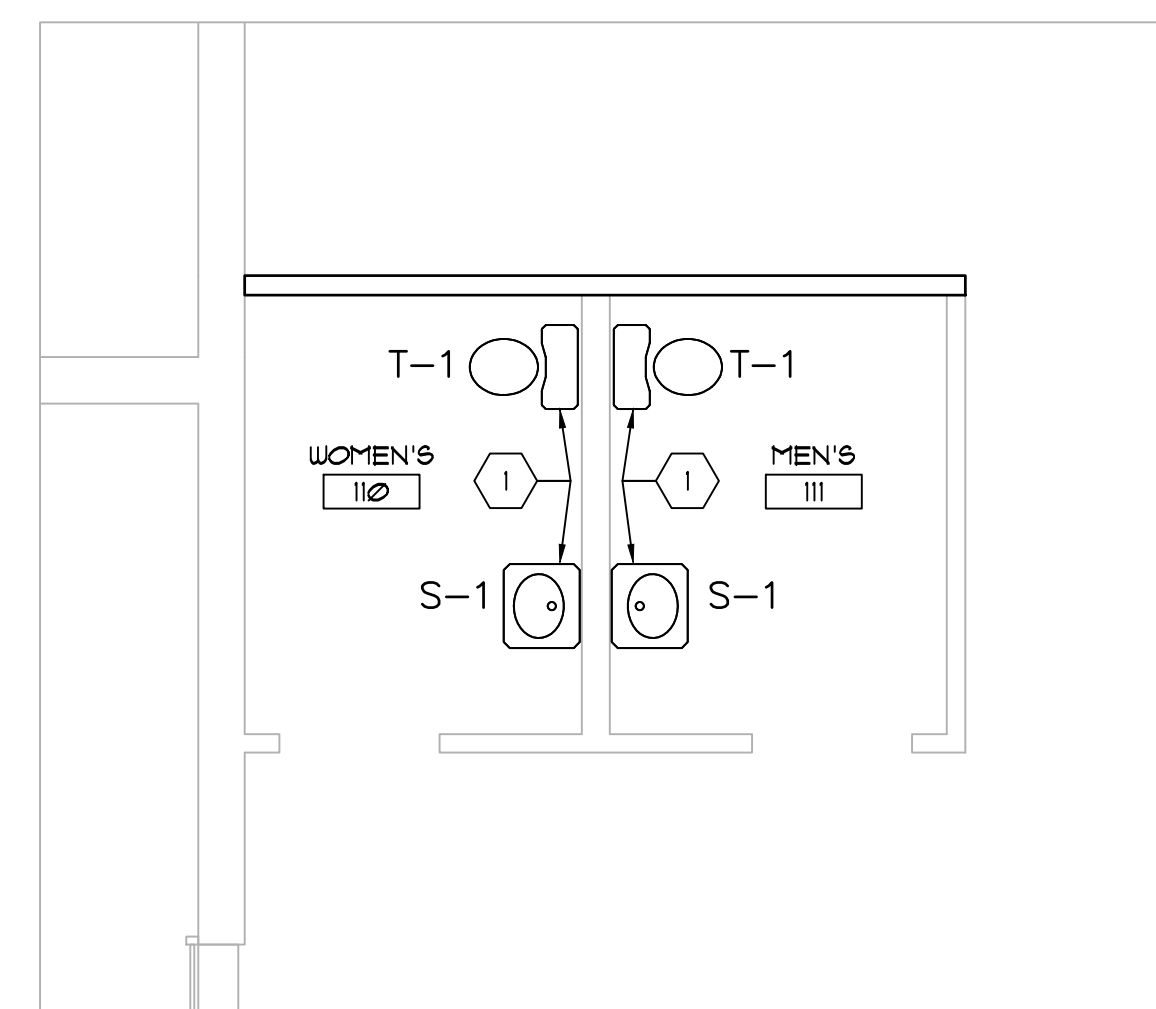


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Revisions	
Project Irish Companies Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
 KARYN E. TRAPP, RA 598 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title MEZZANINE FLOOR PLANS - MECHANICAL/PLUMBING	
Project #: 25-001	Date: April 28th, 2025
	Drawing No. M1.2
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1 FIRST FLOOR PLAN
1/4" = 1'-0"



2 FIRST FLOOR PLAN
1/4" = 1'-0"

GENERAL PLUMBING NOTES

1. SEAL ALL WALL PENETRATIONS WITH UL LISTED FIRE RATED GASKETS.
2. USE SCHED 40 PVC FOR DRAIN AND VENT PIPING.
3. UNLESS EXPOSED USE TYPE L COPPER WITH PROGRESS FITTING FOR HOT AND COLD WATER PIPING. INSULATE WITH 1/2" THICK ANFLEX PEX-A ALLOWED WHERE CONCEALED.
4. COORDINATE HVAC EQUIPMENT REQUIREMENTS AND LOCATIONS WITH MECHANICAL CONTRACTOR.

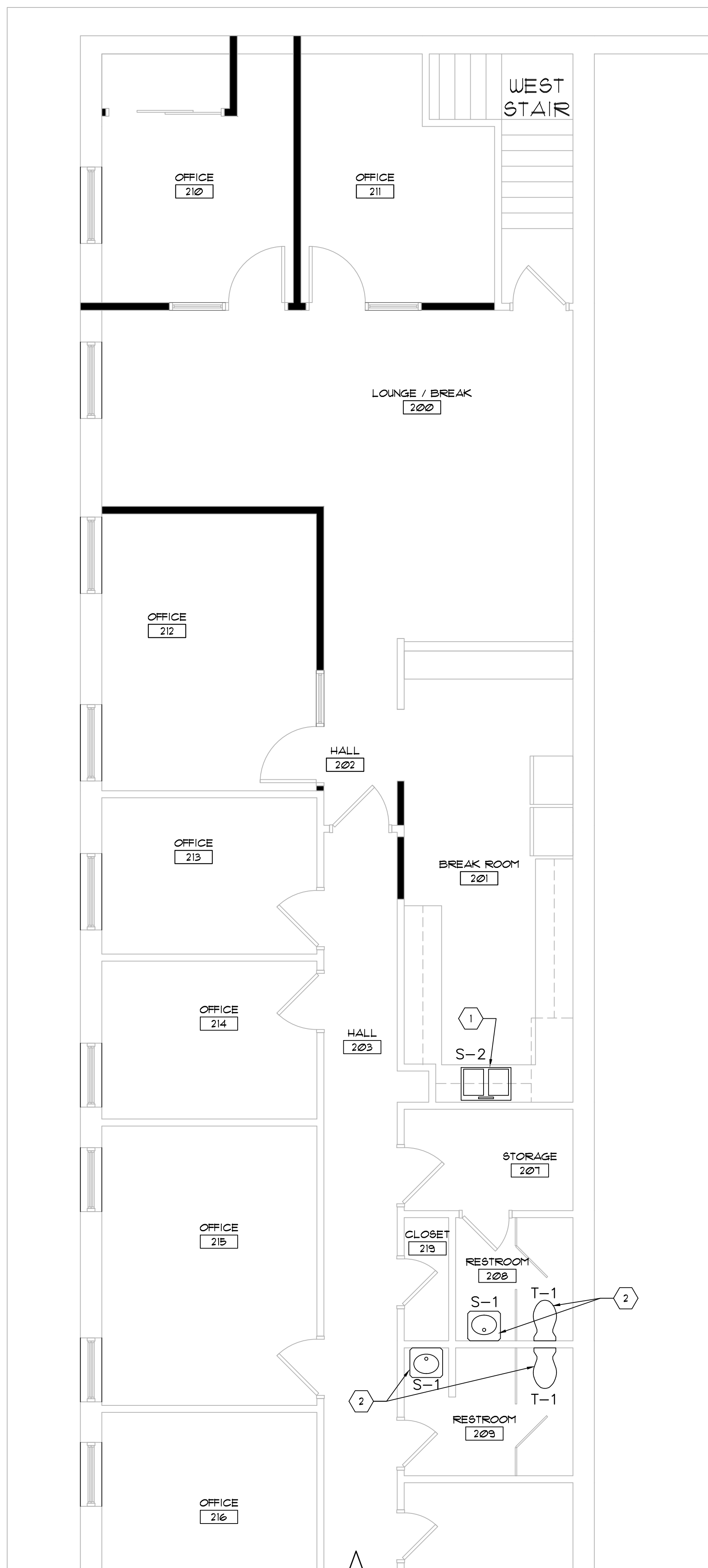
KEYED PLUMBING NOTES

- 1 INSTALL NEW PLUMBING FIXTURES, RECONNECT SANITARY, VENT, AND HOT & COLD WATER LINES.
- 2 INSTALL 3/4" UPVC CONDENSATE DRAIN FROM IU TO OUTDOORS AT 24" ABOVE GRADE.

Revisions	
Project	
Irish Companies	
Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
KARYN E. TRAPP, RA 599 Delaware Avenue, Suite 203 Buffalo, NY 14202 716-235-6078	
Sheet Title	
FLOOR PLANS - FIRST FLOOR PLUMBING	
Project #: 25-001	Date: April 28th, 2025
	Drawing No.
	P1.1
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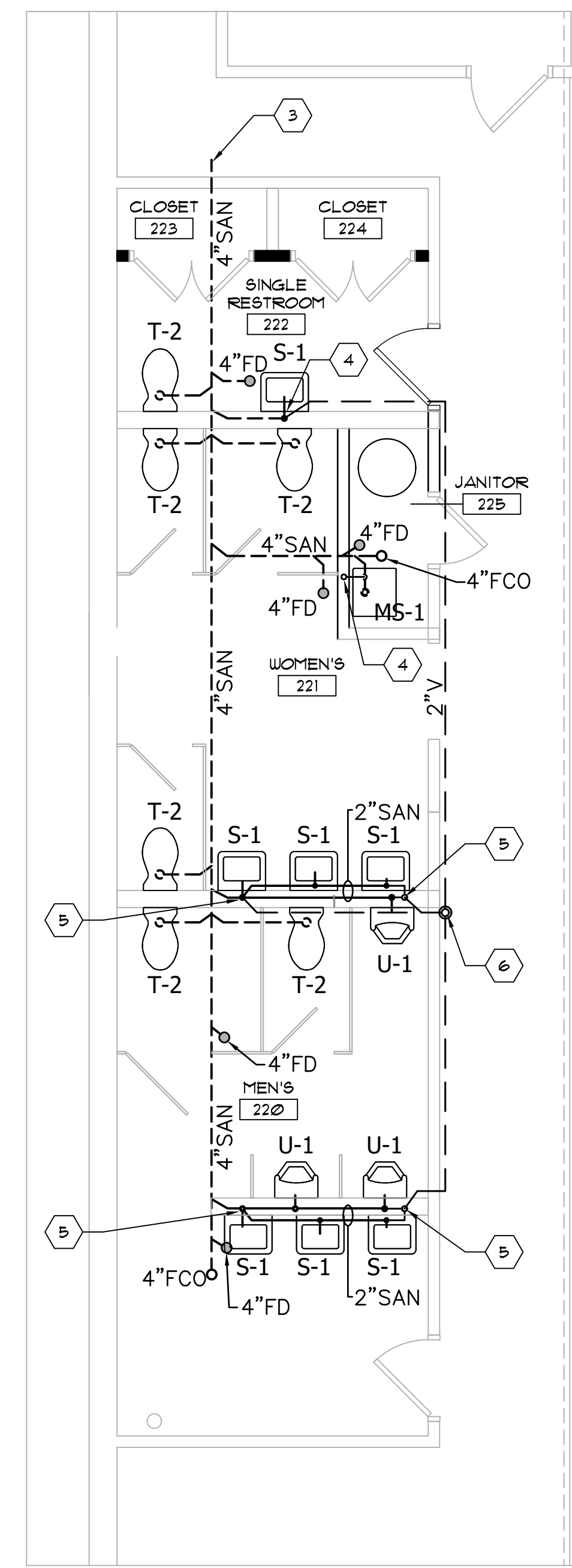
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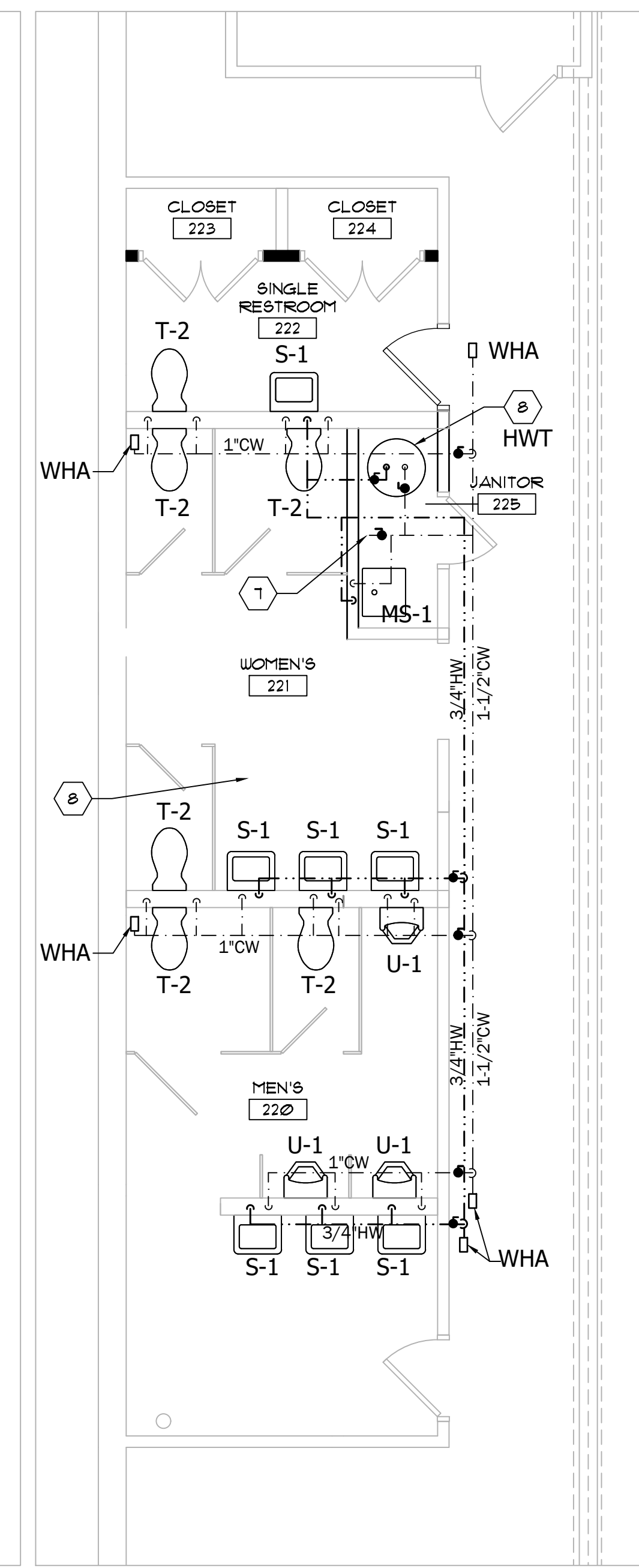
1 MEZZANINE OFFICE FLOOR PLAN
1/4" = 1'-0"

KEYED CONSTRUCTION NOTES

- 1 INSTALL NEW COBLE BOIL, 600 BAC WITH GARABAGE DISPOSER / MINERATOR EVOLUTION LAMP, 20V, 20AL RECONNECT SANITARY, VENT, AND HOT & COLD WATER LINES.
- 2 INSTALL NEW PLUMBING FIXTURES, RECONNECT SANITARY, VENT, AND HOT & COLD WATER LINES.
- 3 CONNECT TO EXISTING 4" SANITARY BELOW MEZZANINE FLOOR, VERIFY LOCATION.
- 4 1/2"V DOWN THROUGH FLOOR, 1/2"V UP.
- 5 2"V DOWN THROUGH FLOOR, 2"V UP.
- 6 2"V UP TO 2"V UP THROUGH ROOF.
- 7 CONNECT TO EXISTING 1/2" WATER LINE ABOVE MEZZANINE CEILING, VERIFY LOCATION.
- 8 INSTALL NEW 200AL, ELECTRIC HOT WATER TANK, RELIEF VALVE PIPE DOWN TO FLOOR DRAIN, 25AL EXPANSION TANK, AND 3/4"X1/2" SUPPLES (FREEZE PROTECT, 5/8"X3/4"X1/2" 200-230V, 1/4"X3/4" 20V PIPE, 200-230V).



2 MEZZANINE RESTROOM PLAN
1/4" = 1'-0" HYAC, DRAIN & VENT



3 MEZZANINE RESTROOM PLAN
1/4" = 1'-0" HOT & COLD WATER

PLUMBING FIXTURE SCHEDULE							
LETTER	TYPE OF FIXTURE		DRAINAGE		SUPPLY		
			SS	V	DCW	DHW	
T-1	FLR MTD TOILET, TANK, MANUAL FLUSH		3"	2"	1/2"		
T-2	FLR MTD TOILET, SENSOR FLUSH VALVE		3"	2"	1"		
U-1,2	FLR MTD TOILET, SENSOR FLUSH VALVE		3"	2"	3/4"		
S-1	WALL MTD SINK, VITREOUS CHINA		1 1/2"	1 1/2"	1/2"	3/4"	
S-2	UNDERMOUNT SINK, S/S		1 1/2"	1 1/2"	1/2"	3/4"	
FD	FLOOR DRAIN W/NLINE TRAP SEAL		3"	2"			
WHA	WATER HAMMER ARRESTER				3/4"	3/4"	

WATER CONNECTION SCHEDULE							
NUMBER OF FIXTURES SUPPLIED							
BRANCH PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
1/2" FIXTURE CONN.	2	3 TO 4	5 TO 7	8 TO 13	14 TO 23	-	-
3/4" FIXTURE CONN.	-	1	2	3 TO 4	5 TO 9	9 TO 24	-
3/4" FLUSH VALVE	-	1	2	3	4 TO 7	8 TO 24	-
1" FLUSH VALVE	-	-	1	2	3 TO 4	5 TO 12	13 TO 25

GENERAL SCHEDULE NOTES:
 1. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
 2. PROVIDE ALL FAUCETS, TRIM, TAIL PIECES, TRAPS, ESCUTCHEONS, AND SERVICE VALVES AS REQUIRED.

SYMBOLS & ABBREVIATIONS

- DOMESTIC COLD WATER (CW) ---
- DOM. HOT WATER (HW) ---
- NATURAL GAS (NEW) ---
- EXISTING SANITARY --- SA
- NEW SANITARY (BELOW GROUND) ---
- VENT (ABOVE GROUND) ---
- VENT (BELOW GROUND) ---
- AW AIR ADMITTANCE VALVE
- CD CONDENSATE DRAIN
- DTF DOWN THROUGH FLOOR
- FDO FLOOR CLEAN OUT
- FD FLOOR DRAIN W/TRAP & PRIMER
- NFWH NON-FREEZE WALL HYDRANT
- SAN OR S SANITARY
- VIR VENT THROUGH ROOF
- WHA WATER HAMMER ARRESTER



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Revisions

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Irish Companies
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Sheet Title
MEZZANINE FLOOR PLANS - MECHANICAL/PLUMBING

Project #: 25-001 Date: April 28th, 2025
 Drawing No. **M1.2**
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MECHANICAL SPECIFICATIONS

PART 1 - GENERAL

- 1.01 REFERENCES
A. APPLICABLE STANDARDS OF ASTM, ANSI, ASME, NFPA, AND LOCAL AND STATE BUILDING CODES.
1.02 RELATED DOCUMENTS
A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.
1.03 COORDINATION
A. ARRANGE FOR PIPE SPACES, CHASES, SLOTS, AND OPENINGS IN BUILDING STRUCTURE DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR MECHANICAL INSTALLATIONS.
B. COORDINATE REQUIREMENTS FOR ACCESS PANELS AND DOORS FOR MECHANICAL ITEMS REQUIRING ACCESS THAT ARE CONCEALED BEHIND FINISHED SURFACES.
1.04 SUBMITTALS
A. PRODUCT DATA: PROVIDE PRODUCT DESCRIPTION, CHARACTERISTICS AND LIST OF MATERIALS FOR EACH SERVICE, AND LOCATIONS.
1.05 QUALIFICATIONS
A. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.
B. INSTALLER: COMPANY HAVING A MINIMUM FIVE YEARS DOCUMENTED EXPERIENCE.
1.06 WARRANTY
A. INSTALLER SHALL COMPLY WITH OWNER'S GENERAL CONDITIONS.

PART 2 - PRODUCTS

- 2.01 DUCT MATERIALS
A. GALVANIZED STEEL DUCTS: ASTM A525 AND ASTM A527 GALVANIZED STEEL SHEET, LOCK-FORMING QUALITY, HAVING 680 ZINC COATING OF IN CONFORMANCE WITH ASTM A90.
B. STEEL DUCTS: ASTM A366.
C. FASTENERS: RIVETS, BOLTS, OR SHEET METAL SCREWS.
D. HANGER ROD: ASTM A36; STEEL; CONTINUOUSLY THREADED.
2.02 DUCTWORK FABRICATION
A. FABRICATE AND SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, AND AS INDICATED. PROVIDE DUCT MATERIAL, GAGES, REINFORCING, AND SEALING FOR OPERATING PRESSURES INDICATED.
B. SPIRAL DUCT FABRICATED PER SMACNA STANDARDS IS ACCEPTABLE.

PART 3 - EXECUTION

- 3.01 DUCT INSTALLATION
A. COORDINATE DUCT LAYOUT AND DUCT ACCESSORY ARRANGEMENT WITH DRAWINGS.
B. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF DUCT SYSTEM.
C. INSTALL DUCTS ACCORDING TO SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" UNLESS OTHERWISE INDICATED.
D. INSTALL ROUND DUCTS IN MAXIMUM PRACTICAL LENGTHS.
E. INSTALL DUCTS WITH FEWEST POSSIBLE JOINTS.
F. UNLESS OTHERWISE INDICATED, INSTALL DUCTS VERTICALLY AND HORIZONTALLY, AND PARALLEL AND PERPENDICULAR TO BUILDING LINES.
3.02 PIPING INSTALLATION
A. PRESSURE RATING: INSTALL COMPONENTS HAVING A PRESSURE RATING EQUAL TO OR GREATER THAN THE SYSTEM OPERATING PRESSURE.
B. INSTALL PIPING FREE OF SAGS, BENDS AND KINKS.
C. SOLDER JOINTS: SOLDER JOINTS SHALL BE MADE IN ACCORDANCE WITH ASTM B 828. THE TEMPERATURE OF THE JOINT DURING SOLDERING SHALL NOT BE RAISED ABOVE THE MAXIMUM TEMPERATURE LIMITATION OF THE FLUX.
D. THREADED JOINTS: THREADED JOINTS SHALL HAVE PIPE JOINT COMPOUND OR TEFLON TAPE APPLIED TO THE MALE THREADS ONLY. TIGHTEN JOINT WITH A WRENCH AND BACKUP WRENCH AS REQUIRED.
E. FLARED JOINTS: FLARED COPPER TUBE JOINTS SHALL BE MADE BY THE APPROPRIATE USE OF CAST COPPER ALLOY FITTINGS. FLARED ENDS OF COPPER TUBE SHALL BE OF THE 45-DEGREE FLARE TYPE AND SHALL ONLY BE MADE WITH A FLARING TOOL DESIGNED SPECIFICALLY FOR THAT PURPOSE.
F. PRESS CONNECTIONS: COPPER AND COPPER ALLOY PRESS CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE TUBING SHALL BE FULLY INSERTED INTO THE FITTING AND THE TUBING MARKED AT THE SHOULDER OF THE FITTING. THE FITTING ALIGNMENT SHALL BE CHECKED AGAINST THE MARK ON THE TUBING TO ASSURE THE TUBING IS FULLY ENGAGED (INSERTED) IN THE FITTING. THE JOINTS SHALL BE PRESSED USING THE TOOL(S) APPROVED BY THE MANUFACTURER.
G. PIPING IDENTIFICATION: COPPER TUBING SYSTEMS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF ASME A13.1.
3.03 REFRIGERANT PIPING INSULATION
A. SERVICE: SPLIT SYSTEMS.
1. MATERIAL: CLOSED CELL ELASTOMERIC FOAM.
2. THICKNESS: 1 INCH
3. NUMBER OF LAYERS: ONE.
4. FIELD-APPLIED JACKET: NONE.
3.04 TESTING AND BALANCING
A. PERFORM TESTING AND BALANCING PROCEDURES ACCORDING TO THE PROCEDURES CONTAINED IN AABC, ASHRAE 111, OR NEBB ON EACH OF THE FOLLOWING:
1. HVAC AIR HANDLING DUCTED SYSTEM AIR DEVICES.
B. TAB CONTRACTOR QUALIFICATIONS: TAB CONTRACTOR SHALL HAVE MINIMUM OF FIVE (5) YEARS EXPERIENCE WITH THE TESTING, ADJUSTING, AND BALANCING OF AIR SYSTEMS IN ACCORDANCE WITH PROCEDURES OF ONE OR MORE OF FOLLOWING AGENCIES: AABC, NEBB OR TABB.

END

PLUMBING SPECIFICATIONS

- 1. GENERAL
A. ALL PLUMBING WORK IS SUBJECT TO THE GENERAL REQUIREMENTS OF THE CONTRACT. ALL OTHER ARTICLES EITHER SHOWN ON THE PLANS OR MENTIONED IN THE SPECIFICATIONS, TOGETHER WITH ALL ACCOUTREMENTS NECESSARY TO COMPLETE THE WORK, SHALL BE FURNISHED AND INSTALLED BY THIS PLUMBING CONTRACTOR, UNLESS OTHERWISE STATED. ALL ADJUSTMENTS SHALL BE MADE AND SYSTEM TURNED OVER TO THE OWNER IN PERFECT WORKING ORDER.
2. LAWS, CODES, PERMITS AND INSPECTIONS
A. FILE ALL PLANS AND PAY FOR NECESSARY PERMITS AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER THIS WORK.
B. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, ENERGY CONSERVATION AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION OVER THIS WORK. THESE CODES SHALL SUPERSEDE THE SPECIFICATIONS AND DRAWINGS.
C. AT THE COMPLETIONS OF THE WORK, THE PLUMBING CONTRACTOR SHALL DELIVER TO THE OWNER A CERTIFICATE OF INSPECTION AND ACCEPTANCE OF THE WORK BY THE LOCAL INSPECTION AUTHORITY.
3. GUARANTEE
A. THE CONTRACTOR SHALL GIVE A WRITTEN GUARANTEE UPON FINAL ACCEPTANCE OF THE WORK AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, OR OPERATION THAT MAY RESULT WITHIN ONE (1) YEAR OF FINAL ACCEPTANCE BY THE OWNER.
4. EQUIPMENT AND MATERIALS
A. ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW (UNLESS OTHERWISE SPECIFIED), LISTED BY THE UNDERWRITERS LABORATORIES, AND SHALL BE OF THE SAME MAKE WHERE USED FOR SIMILAR PURPOSES.
5. MARKING AND LABELING
A. PROVIDE ENGRAVED NAMEPLATES FOR ALL PLUMBING EQUIPMENT AS WELL AS PLASTIC PIPE MARKERS TO IDENTIFY ALL PIPING SYSTEMS FOR THIS PROJECT.
6. FINAL CLEANING
A. AFTER TESTS HAVE BEEN MADE AND THE INSTALLATION HAS BEEN FOUND SATISFACTORY BY THE ENGINEER, THOROUGHLY CLEAN THE ENTIRE INSTALLATION, BOTH EXPOSED SURFACES AND INTERIORS. REMOVE ALL DEBRIS CAUSED BY THE WORK UNDER THIS CONTRACT FROM ALL SPACES INSIDE AND OUTSIDE THE BUILDING. AT COMPLETION OF WORK, CLEAN ALL FIXTURES AND METAL WORK AND LEAVE IN POLISHED CONDITION.
7. PLUMBING PIPING
A. BELOW GRADE DOMESTIC WATER PIPING AND FITTINGS SHALL BE TYPE "K" COPPER WITH SOLDER JOINTS. JOINTS SHALL BE AS PER ASTM B 32 WITH LEAD-FREE SOLDER AND FLUXES. USE PEX-A WHERE INDICATED ON PLANS. USE PREINSULATED PEX-A FOR PIPE SIZES 3/4" OR LARGER.
B. ABOVE GRADE DOMESTIC WATER PIPING AND FITTINGS:
1. TYPE "L" COPPER WITH SOLDER JOINTS. JOINTS SHALL BE AS PER ASTM B 32 WITH LEAD-FREE SOLDER AND FLUXES. (OR)
C. ABOVE AND BELOW GRADE SANITARY SEWER, VENT PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC.
D. ABOVE GRADE NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK IRON PIPE. FITTINGS SHALL BE CLASS 150 MALLEABLE IRON ASTM A197, THREADED UP TO 2", WELDED OVER 2". ALL PIPING TO BE INSTALLED AND TESTED PER NFPA 54.
8. PLUMBING PIPING INSULATION
A. LOCATION - COLD WATER PIPING AND HOT WATER PIPING (EXCEPT WHERE CHROME PLATED EXPOSED IN ROOMS).
B. TYPE - FIBERGLASS 25 ASJ (ALL SERVICE JACKET) GLASS FIBER ON ALL CONCEALED AND EXPOSED PIPING. GLASS FIBER SHALL BE HEAVY DENSITY RIGID FIBER MOLDED SNAP ON SECTIONS.
C. MAKE - OWENS - CORNING, CERTAINTEE, KNAUF.
D. APPLICATION - ALL SEAMS LAPS AND END JOINTS ON GLASS FIBER WILL BE SEALED BY SELF-SEALING LAPON JACKET OR JOINT SEALING STRIPS INSTALLED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. WHERE STAPLES ARE USED, THEY SHALL BE SEALED WITH BENJAMIN FOSTER 30-36 MASTIC.
E. FITTINGS - INCLUDE VALVES, FLANGES AND ALL OTHER PIPING COMPONENTS INSULATED WITH GLASS FIBER. INSUL-SURE MOLDED FIBERGLASS FITTINGS OR FABRICATED MITERED SEGMENTS SHALL BE COVERED WITH 1/4" COAT HARD SETTING FINISH CEMENT. ALL FITTINGS SHALL BE COVERED WITH GLASS FIBER LAGGING CLOTH EMBEDDED INTO BENJAMIN-FOSTER 30-35 MASTIC AND GIVEN FLOODING BRUSH COAT OF MASTIC OR ZESTIN'S ONE PIECE PREMOLDED INSULATED FITTINGS WITH JOINTS SEALED WITH Z-TAPE, PER MANUFACTURE'S RECOMMENDATIONS.
F. SIZE: HOT & COLD WATER INSULATION SCHEDULE:
1. UP TO 3/4" PIPE SIZE: 1" THICK.
2. 1" PIPE SIZE OR LARGER: 1 1/2" THICK.
9. GENERAL DUTY VALVES:
A. SHUT-OFF: USE BALL VALVES FOR DOMESTIC WATER.
B. USE LUBRICATED PLUG VALVES FOR NATURAL GAS PIPING.
10. SHOP DRAWINGS AND MANUFACTURER'S DATA
A. THE CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF ALL SHOP DRAWINGS OR DESCRIPTIVE LITERATURE ON ALL EQUIPMENT TO BE SUPPLIED.
11. AS BUILT DRAWINGS
A. AT THE COMPLETION OF THE PLUMBING WORK, THE CONTRACTOR RESPONSIBLE FOR THE WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE AS-BUILT DRAWINGS.
12. EXCAVATION
A. PERFORM ALL EXCAVATION REQUIRED FOR THE INSTALLATION OF WORK IN THIS CONTRACT. EXCAVATION TO PROVIDE SUFFICIENT CLEARANCE FOR INSTALLATION OF WORK.
12. BACK FILLING
A. BACK FILLING UPON INSPECTION TEST AND APPROVAL BY LOCAL AUTHORITIES AND ARCHITECT. NO CINDERS OR OTHER CORROSIVE MATERIAL WILL BE PERMITTED. FILL MUST BE WELL TAMPED AND PACKED FOR GREATEST POSSIBLE SETTLEMENT. NO ROCK SHALL BE USED.
14. TESTING & CLEANING
A. ALL WATER PIPING TO BE DISINFECTED IN ACCORDANCE WITH AWWA C-601-1954 AND CITY OF BUFFALO DEPT. OF WATER REQUIREMENTS.
B. PRESSURE TEST
1. HOT & COLD WATER: 150PSIG HYDROSTATIC FOR 4 HOURS.
2. NATURAL GAS: 15PSIG AIR PRESSURE FOR 1 HOUR.
3. SANITARY WASTE & VENT: FILL WITH WATER TO 10FT ABOVE HIGHEST FIXTURE FOR 8 HOURS.
4. REPAIR AS NECESSARY AND RETEST.
15. PLUMBING FIXTURES
A. MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED IN SETTING FIXTURES AND ALL ROUGHING TO BE CENTERED.
16. CHROMIUM WORK
B. ALL FITTINGS AND EXPOSED PIPE, SCREWS, NUTS, WASHERS, WALL PLATES, RIM GUARDS, CHROMIUM PLATED BRASS, TEFLON TAPE SHALL BE USED ON ALL SCREWED JOINTS FOR CHROMIUM PIPE.

17. PLUMBING FIXTURES

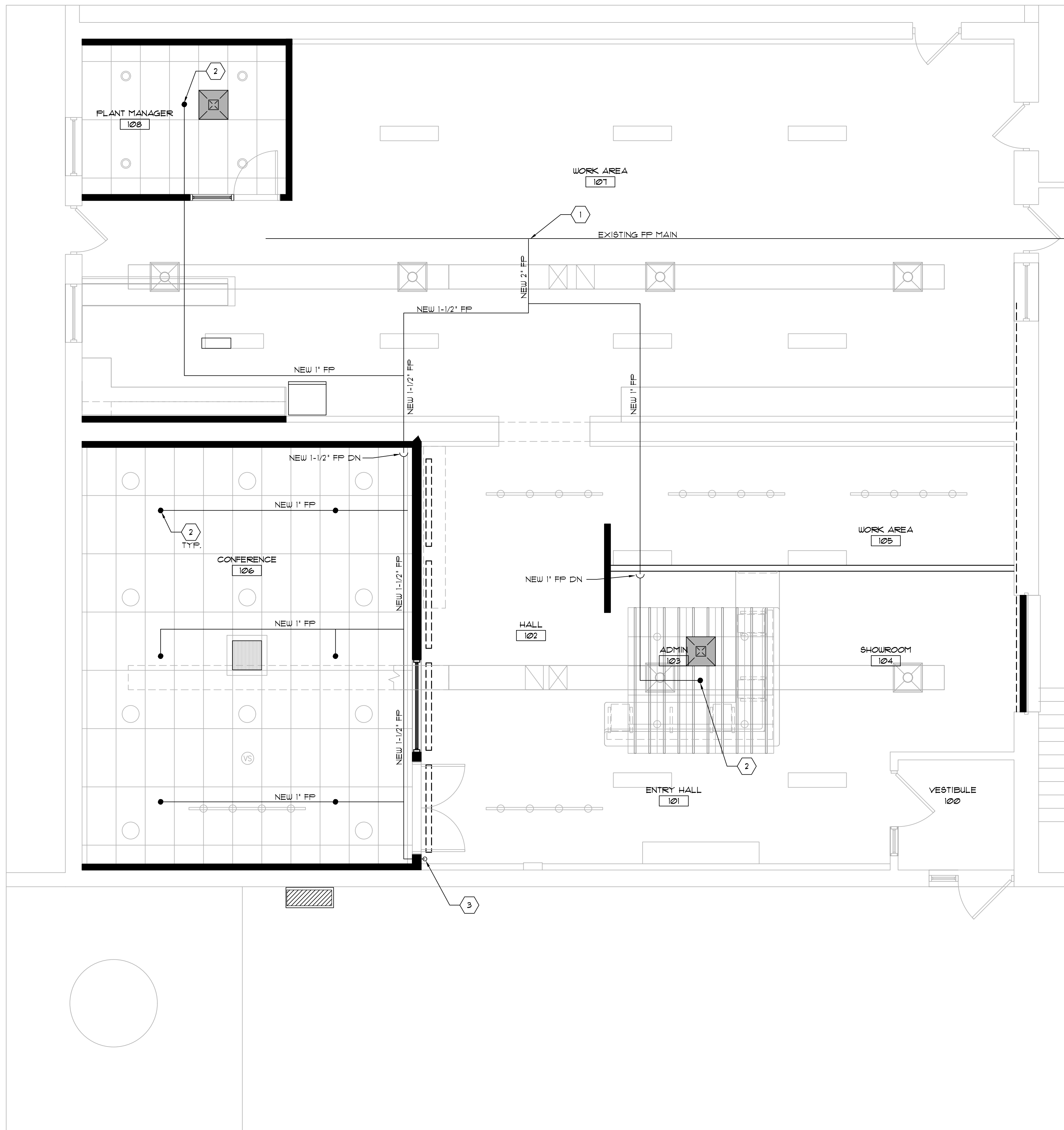
- ALL FIXTURES TO BE FURNISHED AND INSTALLED BY CONTRACTOR AS SPECIFIED BELOW OR EQUAL AS APPROVED BY OWNER.
T-1
TWO-PIECE FLOOR MOUNTED, ADA COMPLIANT, VITREOUS CHINA TOILET. ELONGATED BOWL, 1.6GPF, PRESSURE-ASSISTED, AMERICAN STANDARD "CADET 3" MODEL # 2889101.02 WITH BEMIS MODEL #1655SCT EXTRA HEAVY-DUTY OPEN FRONT SEAT W/SELF-SUSTAINING HINGE, W/O COVER. PROVIDE RING AND BOLTS, SUPPLY PIPING CHROME PLATED ESCUTCHEON. COLOR OF WATER CLOSET AND SEAT SHALL BE WHITE.
T-2
17" HIGH FLOOR MOUNTED VITREOUS CHINA TOILET, ADA COMPLIANT, ELONGATED BOWL WITH 1-1/2" TOP SPUD, 1.28GPF, AMERICAN STANDARD MODEL #3043.528.020 OR APPROVED EQUAL, WITH MODEL #5905.100 EXTRA HEAVY-DUTY OPEN FRONT SEAT W/SELF-SUSTAINING HINGE, W/O COVER, AND BATTERY OPERATED SELECTRONIC FLUSH VALVE MODEL #6065.121. PROVIDE RING AND BOLTS, SUPPLY PIPING CHROME PLATED ESCUTCHEON. COLOR SHALL BE WHITE.
U-1
HIGH EFFICIENCY VITREOUS CHINA URINAL, WHITE, 3/4" TOP SPUD, AMERICAN STANDARD WASHROCK FLOWISE MODEL 6590.001EC OR APPROVED EQUAL, WITH SLOAN MODEL G2 6188 BATTERY OPERATED FLUSH VALVE, 1.0GPF, 3/4"IPS. PROVIDE SUPPLY PIPING AND CHROME PLATED ESCUTCHEON. FOR ADA LOCATIONS, MOUNT WITH RIM AT 24" AFF.
S-1
WALL HUNG VITREOUS CHINA SINK, ADA COMPLIANT, ADA, 20" x18-1/4" WHITE, CENTER HOLE ONLY, WALL MOUNT SINK, WITH 0/7" CONCEALED CARRIER, AMERICAN STANDARD "DECORUM" MODEL #9024.001EC, WITH SINGLE LEVER HANDLE BRUSHED NICKEL SPOT-RESISTANT FAUCET DELTA "ARA" MODEL #567LF-GPM-LPU, LESS POP-UP DRAIN, 1GPM, OFFSET DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES.
INSTALL MIXING VALVE (MV) BELOW SINK FOR HOT WATER SUPPLY.
UNDER COUNTER SUPPLY AND WASTE PIPING SHALL BE COVERED WITH LAV GUARD2 PIPE COVERS AS MANUFACTURED BY TRUBRO, INC OR APPROVED EQUAL. COLOR OF PIPE COVERS SHALL BE WHITE.
S-2
DROP-IN STAINLESS STEEL, DOUBLE BOWL SINK, 33"x22"x10-1/8"D, POLISHED SATIN FINISH, REAR CENTER DRAIN, GRID STRAINER, LOOSE KEY STOP CONTROL, CHROME PLATED ESCUTCHEON AND SUPPLIES, ELKAY LUSTERONE MODEL #DLR332210PD, WITH SINGLE HOLE, SINGLE LEVER HANDLE FAUCET, W/PULL-OUT SPRAY (ELKAY MODEL #LK1410), 1.75GPM.
INSTALL MIXING VALVE (MV) BELOW SINK FOR HOT WATER SUPPLY.
MV
PROVIDE LEAD-FREE THERMOSTATIC MIXING VALVE (WATTS MODEL #LFUSG-B-M2).
MS-1
MOP SINK, 24"x24"x10"H, E.L. MUSTEE MODEL 65M, ONE PIECE MOLDED FIBERGLASS BASIN, SEALED DRAIN FOR 3" PIPE, REMOVABLE STAINLESS STEEL STRAINER SERVICE FAUCET (CHICAGO MODEL 897-RCF); CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, AND 3/4" HOSE THREAD ON SPOUT. PROVIDE WITH HOSE & HOSE HOLDER, MOP HANGER, S/S BUMPER GUARDS, PAIL HOOK.
FD-1
FLOOR DRAIN SHALL BE WATTS MODEL FD-100-A, EPOXY COATED CAST IRON BODY, PIPE SIZE PER DRAWING. ADJUSTABLE HEEL-PROOF NICKLE-BRONZE STRAINER, NO-HUB OUTLET, WITH 4" INLINE TRAP SEAL (RECTORSEAL "SURESEAL" MODEL #97044 OR EQUAL).

END

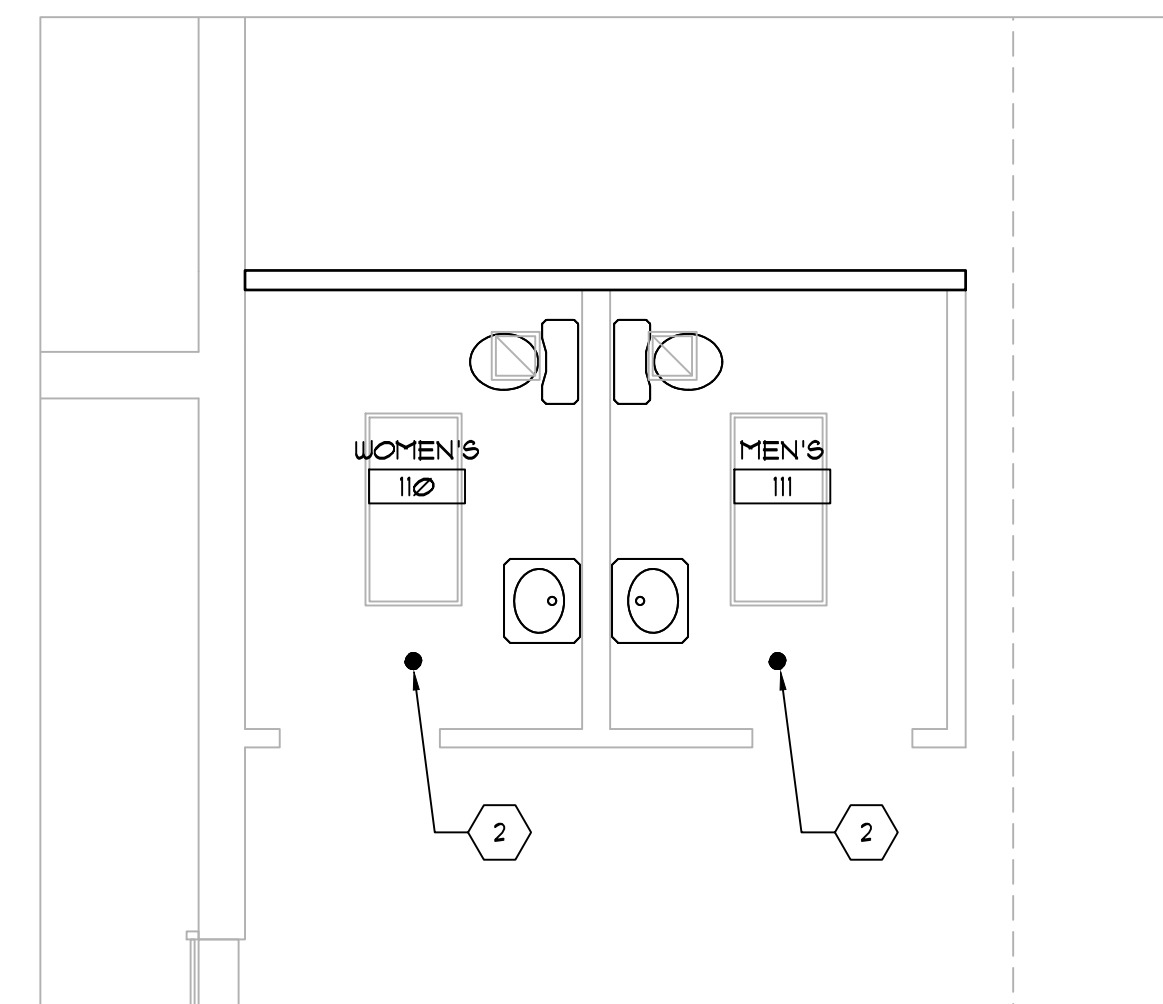


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Revisions
Project: Irish Companies
Facility Improvements
1444 Clinton Street
Buffalo, NY 14206
STUDIO K ARCHITECTURE, PLLC
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Buffalo, NY 14202 716-235-6078
Sheet Title: SPECIFICATIONS - MECHANICAL/PLUMBING
Project #: 25-001
Date: April 28th, 2025
Drawing No. MP2
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1 FIRST FLOOR PLAN
1/4" = 1'-0" PROPOSED



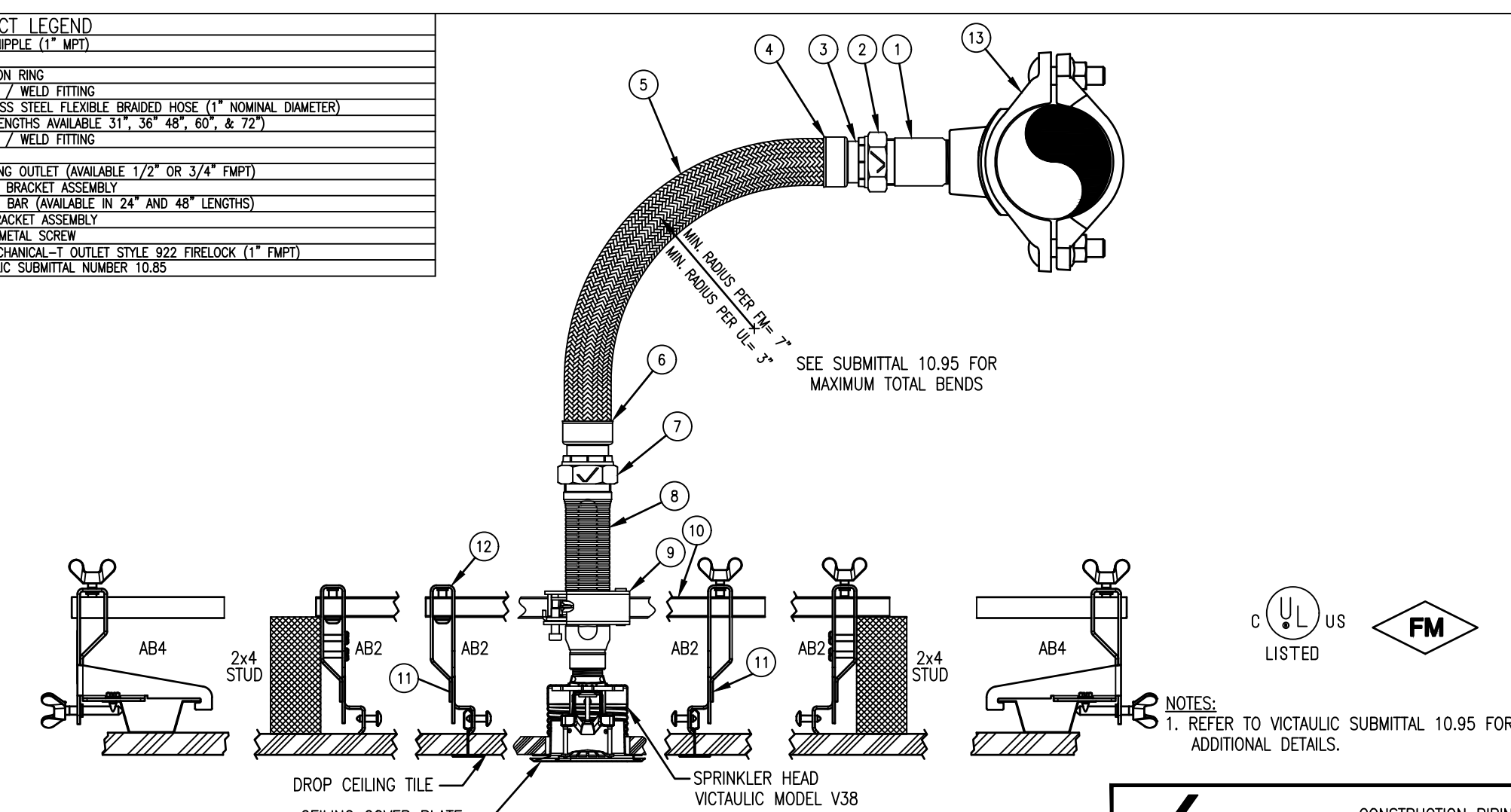
2 FIRST FLOOR PLAN
1/4" = 1'-0"

- KEYED FIRE PROTECTION NOTES
- 1 CONNECT TO EXISTING FP MAIN LOCATED AT BOTTOM OF TRUSS.
 - 2 INSTALL NEW DRY SYSTEM FLEX HEAD INTO NEW CEILING.
 - 3 INSTALL NEW DRY SYSTEM DRIP DRIP, CONFIRM LOCATION WITH OWNER.

SPRINKLER SCHEDULE				
SYMBOL	DESCRIPTION	LOCATION	TEMPERATURE	NOTES
●	CONCEALED, DRY, QUICK RESPONSE	DROP CEILINGS DINING, OTHER	165°F	1, 2

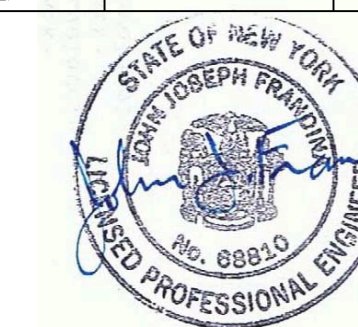
- NOTES:
1. PROVIDE WITH WHITE COVER PLATE.
 2. PROVIDE 6 SPARE SPRINKLERS OF EACH TYPE INSTALLED.

- PRODUCT LEGEND
- 1 LINE1 NPSK (1" MPF)
 - 2 NUT
 - 3 ISOLATION RING
 - 4 COLLAR / WELD FITTING
 - 5 STAINLESS STEEL FLEXIBLE BRAIDED HOSE (1" NOMINAL DIAMETER)
(LENGTHS AVAILABLE: 31", 36", 48", 60", 8, 12')
 - 6 COLLAR / WELD FITTING
 - 7 NUT
 - 8 REDUCING OUTLET (AVAILABLE 1/2" OR 3/4" NPS)
 - 9 CENTER BRACKET ASSEMBLY
 - 10 SQUARE BAR (AVAILABLE IN 2" AND 4" LENGTHS)
 - 11 END BRACKET ASSEMBLY
 - 12 SHEET METAL SCREW
 - 13 VMC MECHANICAL T OUTLET STYLE 922 FIRELOCK (1" FMP)
- SEE VICTAULIC SUBMITTAL NUMBER 10.95



BRAIDED VICFLEX FLEXIBLE
HOSE SPRINKLER ASSEMBLIES
FOR CONCEALED PENDENT SPRINKLERS

Victaulic CONSTRUCTION PIPING SERVICES DIVISION	
PROJECT: BRAIDED VICFLEX HOSE ASSEMBLIES	PROJ.#
CUSTOMER:	P.O.#
SYSTEM: VICFLEX FLEX SERIES ASB FOR CONCEALED PENDENT SPRINKLERS	
REF. DWG: VICTAULIC SUBMITTAL 10.95	#013A
DRAWN BY: RGS	DATE: 03/04/14
DATE:	DRAWING NUMBER
CHK'D BY:	DATE:
	VICFLEX-B-CB-CP
	REV. 0



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GENERAL FIRE PROTECTION NOTES

- A. ALL CONTRACTORS ARE RESPONSIBLE FOR PROPER FIELD FITTING AND QUALITY OF WORK. ALL CONTRACTORS SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR FIELD VERIFICATION PRIOR TO FABRICATION OF PIPING.
- B. ALL CONTRACTORS SHALL BE RESPONSIBLE TO REPAIR ANY CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.
- C. ALL WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE MOST CURRENT NEW YORK STATE BUILDING CODES (SEE NYPSD LOCAL FIRE MARSHAL AND OTHER APPLICABLE CODES, RULES, REGULATIONS AND ORDINANCES BY LOCAL JURISDICTIONS). THE CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
- D. THESE DRAWINGS ARE PRELIMINARY SPRINKLER PLANS AS DEFINED BY NFPA 13. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR FINALIZING WORKING SPRINKLER PLANS AND PERFORMING HYDRAULIC CALCULATIONS.
- E. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND COORDINATE WORK WITH ALL OTHER CONTRACTORS.
- F. ALL COSTS FOR CUTTING, PATCHING AND REPAIRING OF EXISTING WALLS, CEILINGS AND FLOORS OR ADDITIONAL FIRE PROTECTION WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. MATERIAL FOR RESTORATION OF EXISTING SURFACES SHALL MATCH THE EXISTING MATERIAL.
- G. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING INSTALLATION. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL NUMBER, CONDITIONS AND DIMENSIONS AT THE JOB SITE.
- H. THE SPRINKLER PLANS ARE INTENDED TO BE DIAGNOSTIC AND INDICATE ONLY THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT FOR RECORDING PURPOSES ONLY. THEY ARE NOT INTENDED TO SHOW EVERY DETAIL IN ITS EXACT LOCATION.
- I. WHERE PIPING PASSES THROUGH FIRE OR SMOKE BARRIER, THE PENETRATION SHALL BE PROPERLY SEALED AN APPROVED FIRE RATED MATERIAL TO MAINTAIN THE RATING OF THE PENETRATED WALL OR FLOOR.
- J. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- K. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER AND ALL OTHER TRADERS.
- L. THE CONTRACTOR SHALL COORDINATE PIPE ROUTINGS WITH STRUCTURE, DUCTWORK, PIPING, LIGHTS, ETC. INSTALL PIPING AS HIGH AS POSSIBLE. REFER TO ARCHITECTURAL, ELECTRICAL, HVAC, STRUCTURAL AND OTHER APPLICABLE PLANS.
- M. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICES AND MAINTENANCE OF EQUIPMENT.
- N. PIPING SHALL NOT PASS DIRECTLY OVER ELECTRIC PANELBOARDS, SWITCHBOARDS, AND SIMILAR ELECTRIC AND TELEPHONE EQUIPMENT.
- O. LEAVE ALL PIPING HANDS, FITTINGS, ETC. CLEAN AND FREE OF OBSTACLES READY TO RECEIVE PLANT IN EXPOSED AREAS. PROVIDE AND INSTALL MATERIAL TO COVER SPRINKLERS TO PROTECT DURING PAINTING. PAINING CONTRACTOR SHALL REMOVE PROTECTIVE MATERIAL.
- P. ALL PIPING SHALL BE STEEL.
- Q. CONTRACTOR SHALL PROVIDE COMPLETE SET OF CLOBBOT DOCUMENTATION NOT LIMITED TO, BUT INCLUDING, HYDRAULIC CALCULATIONS, TEST CERTIFICATES, SPARE SPRINKLERS AND HEAD BRACKETS.

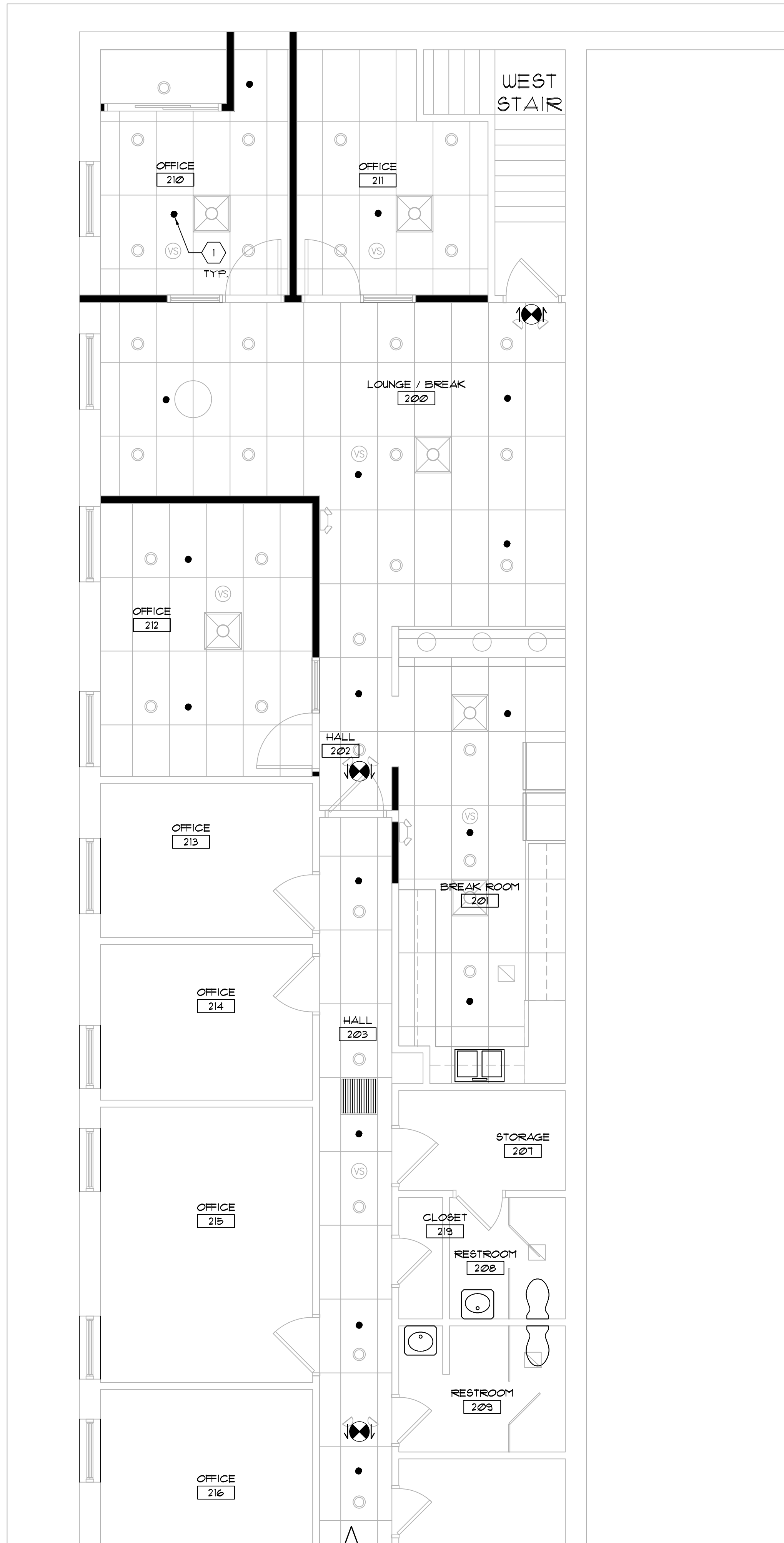
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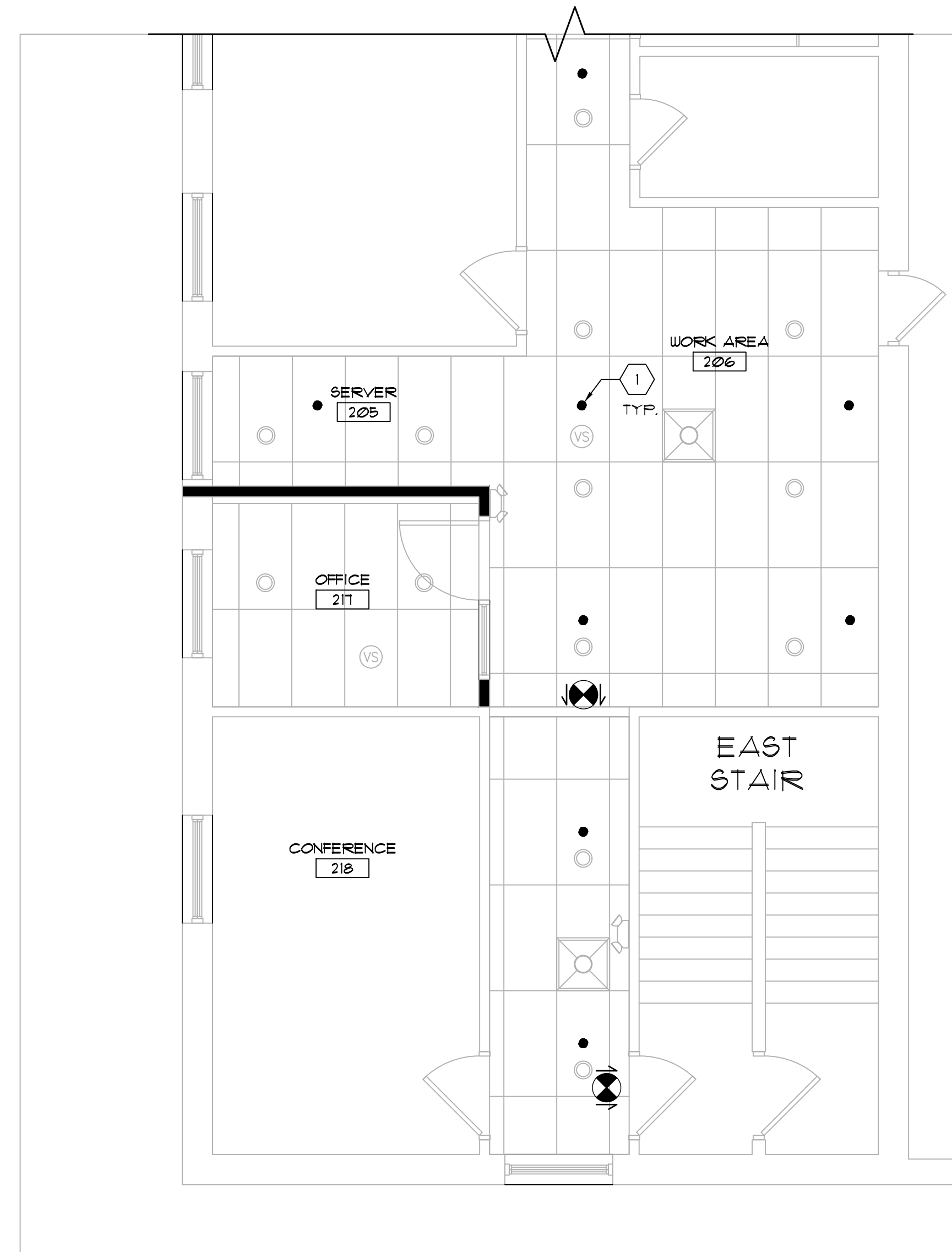
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Sheet Title
**FLOOR PLANS - FIRST FLOOR
FIRE PROTECTION**

Project #: 25-001
Date: April 28th, 2025
Drawing No. **FP1.1**
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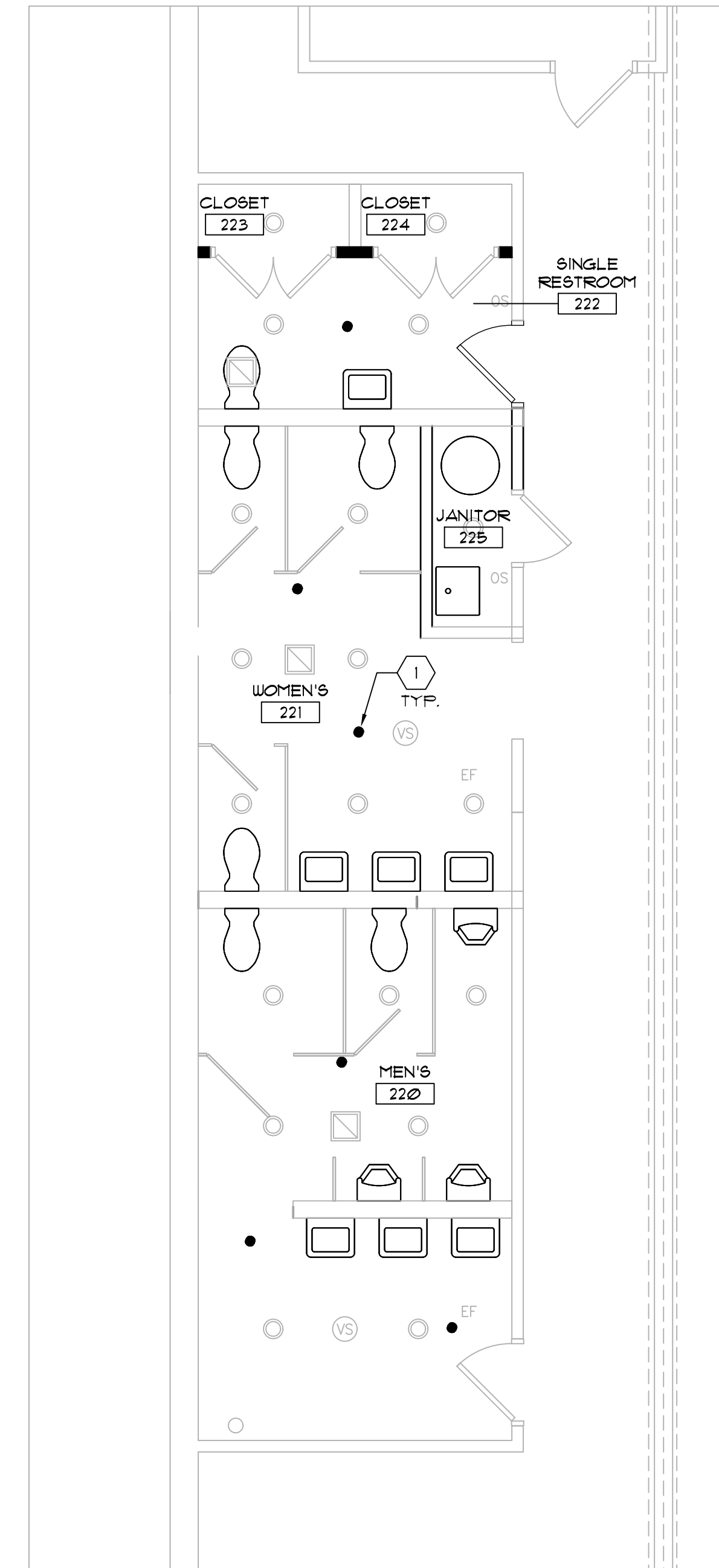


1 MEZZANINE OFFICE FLOOR PLAN
1/4" = 1'-0"



2 MEZZANINE OFFICE FLOOR PLAN
1/4" = 1'-0" PARTIAL

KEYED FIRE PROTECTION NOTES
1 INSTALL NEW DRY SYSTEM FLEX HEAD INTO NEW CEILING

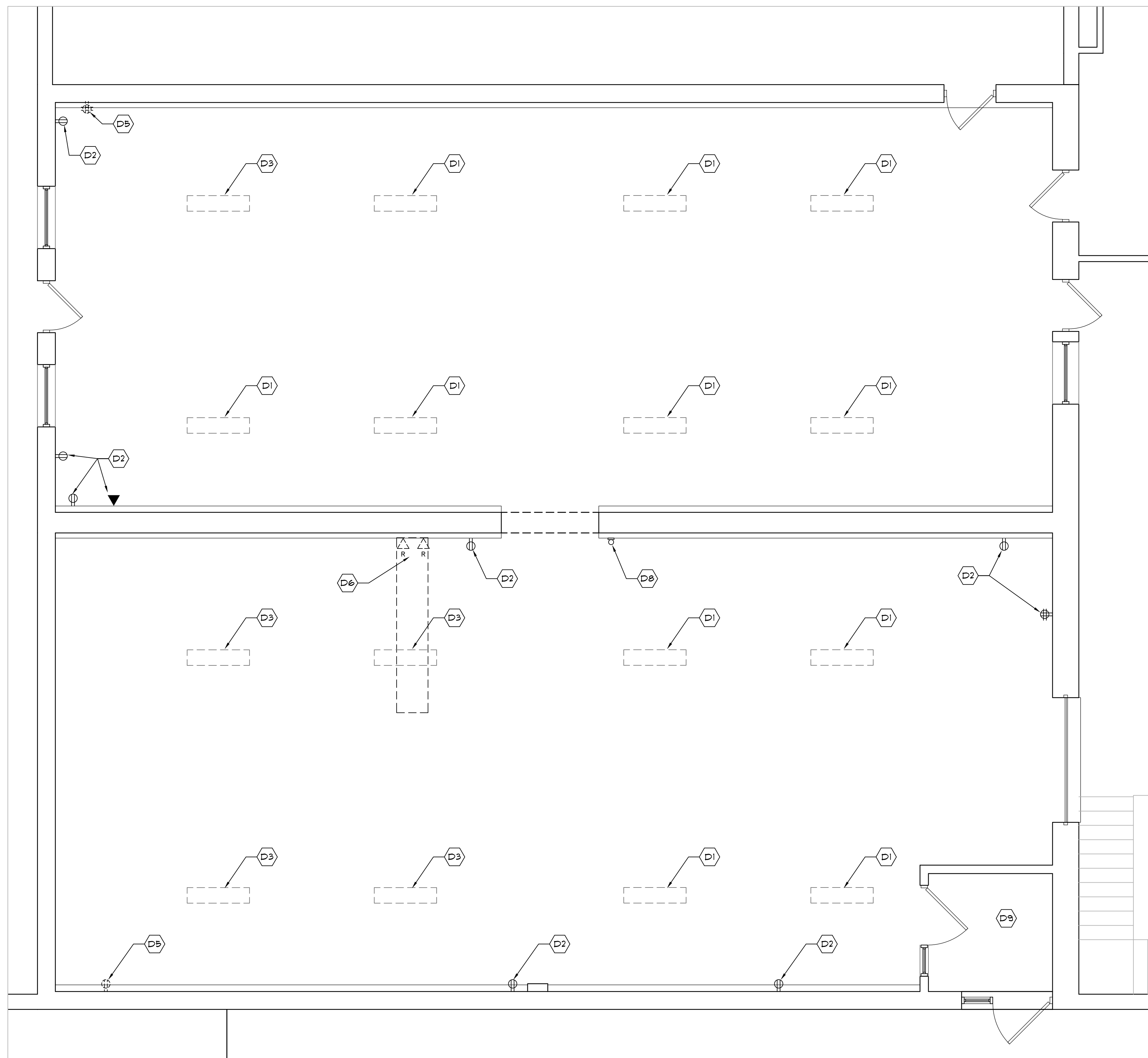


3 MEZZANINE RESTROOM PLAN
1/4" = 1'-0"



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Sheet Title MEZZANINE FLOOR PLANS - FIRE PROTECTION	
Project #: 25-001	Date: April 28th, 2025
	Drawing No. FP1.2
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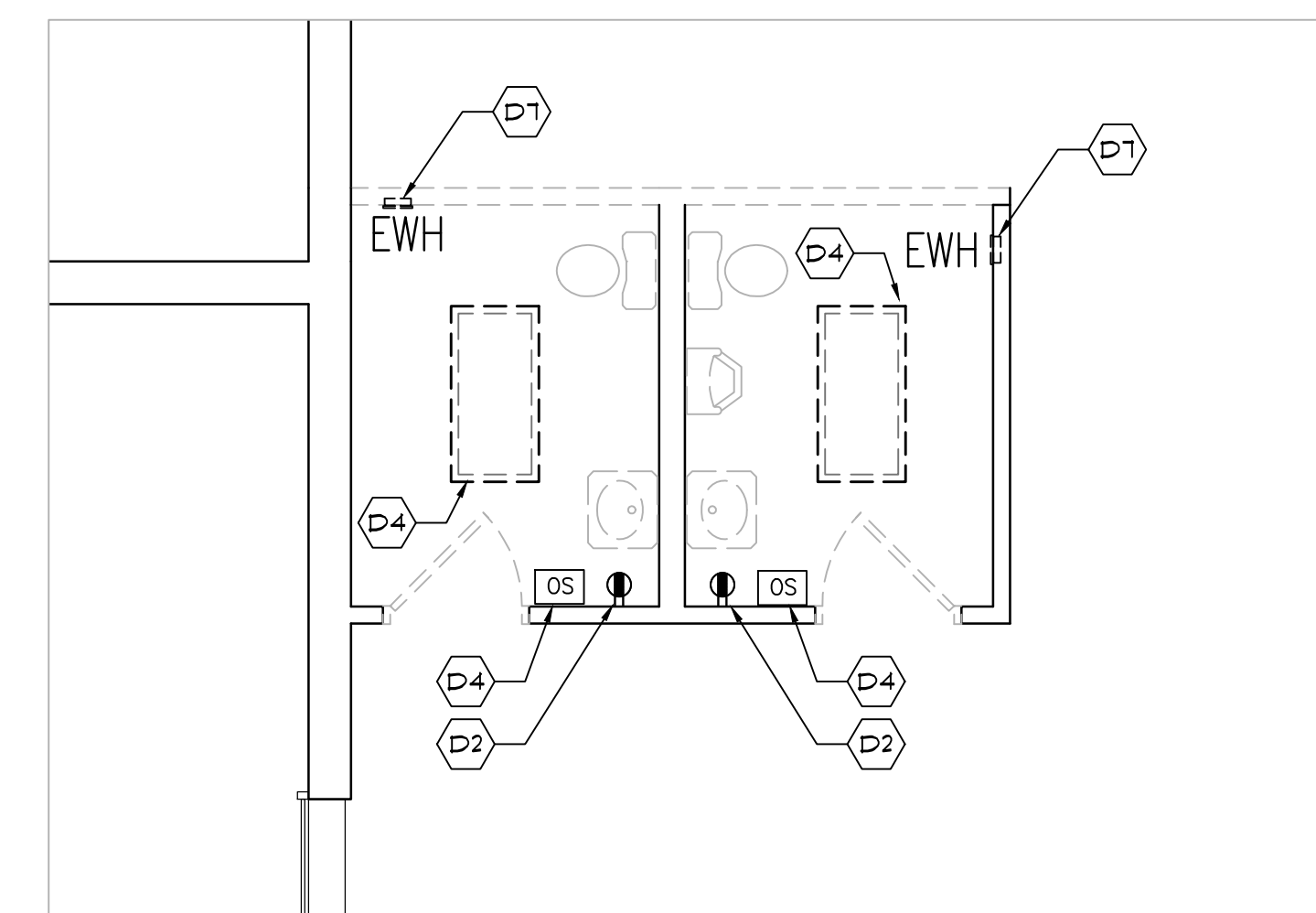
1 DEMO PLAN
1/8" = 1'-0" FIRST FLOOR RESTROOMS, SCOPE OF WORK #1

KEYED DEMOLITION NOTES

- D1 EXISTING LIGHT FIXTURE TO REMAIN.
- D2 EXISTING RECEPTACLE AND/OR DATA AS INDICATED TO BE REPLACED IN-KIND WITH COLOR PER ARCHITECT.
- D3 CAREFULLY DISCONNECT AND REMOVE LIGHT FIXTURE AND TURN OVER TO OWNER. REMOVE WIRING BACK TO SOURCE.
- D4 DISCONNECT, REMOVE AND DISPOSE OF LIGHT FIXTURE, OCCUPANCY SENSOR SWITCH AND RELATED CIRCUIT TO REMAIN.
- D5 DISCONNECT, REMOVE AND DISPOSE OF RECEPTACLE WITH RELATED CONDUIT AND WIRING BACK TO SOURCE.
- D6 DISCONNECT, REMOVE AND DISPOSE OF NETWORK CABLES RELATD TO IT CLOSET AND CONDUITS/WIRING BACK TO PANEL.
- D7 DISCONNECT, REMOVE AND DISPOSE OF ELECTRIC WALL HEATER. CONDUIT AND WIRING TO REMAIN (SOURCE: PANEL LINED ON MEZZANINE).
- D8 EXISTING SECURITY CAMERA TO REMAIN.
- D9 NO WORK IN THIS AREA.

GENERAL DEMOLITION NOTES

1. SEAL ALL FLOOR AND WALL PENETRATIONS AS A RESULT OF DEMO AND REPAIR WORK UP TO LISTED FIRE RATED CALORIFA. PATCH & PATCH AS REQUIRED.
2. FOR EXISTING RECEPTABLES, SWITCHES, AND DEVICES TO REMAIN AFFECTED BY DEMO WORK, EXTEND CIRCUITS TO MAINTAIN CONTINUITY AND CORRECT THEM AS IN WORKING ORDER.



2 DEMO PLAN
1/8" = 1'-0" FIRST FLOOR RESTROOMS, SCOPE OF WORK #2

Revisions

Project

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Sheet Title
DEMOLITION PLANS - FIRST FLOOR ELECTRICAL

Project #: 25-001

Date:
March 17th, 2025

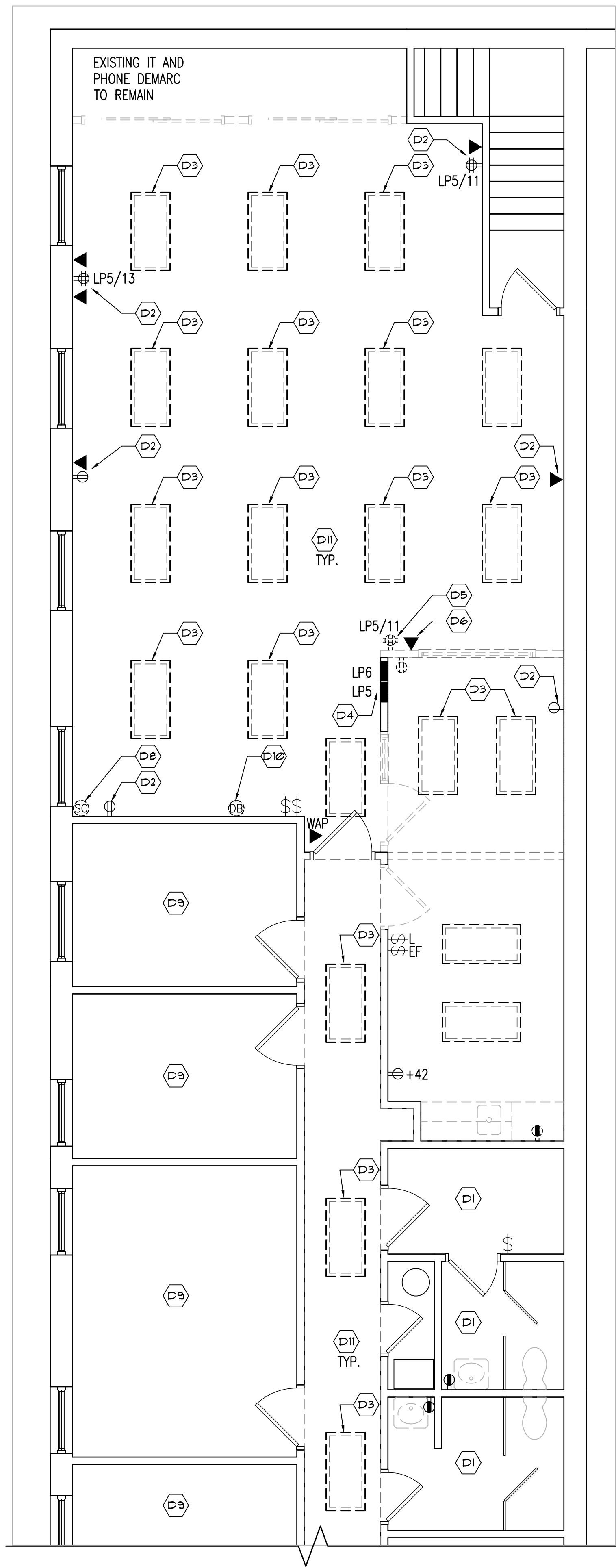
Drawing No.

DE1.1

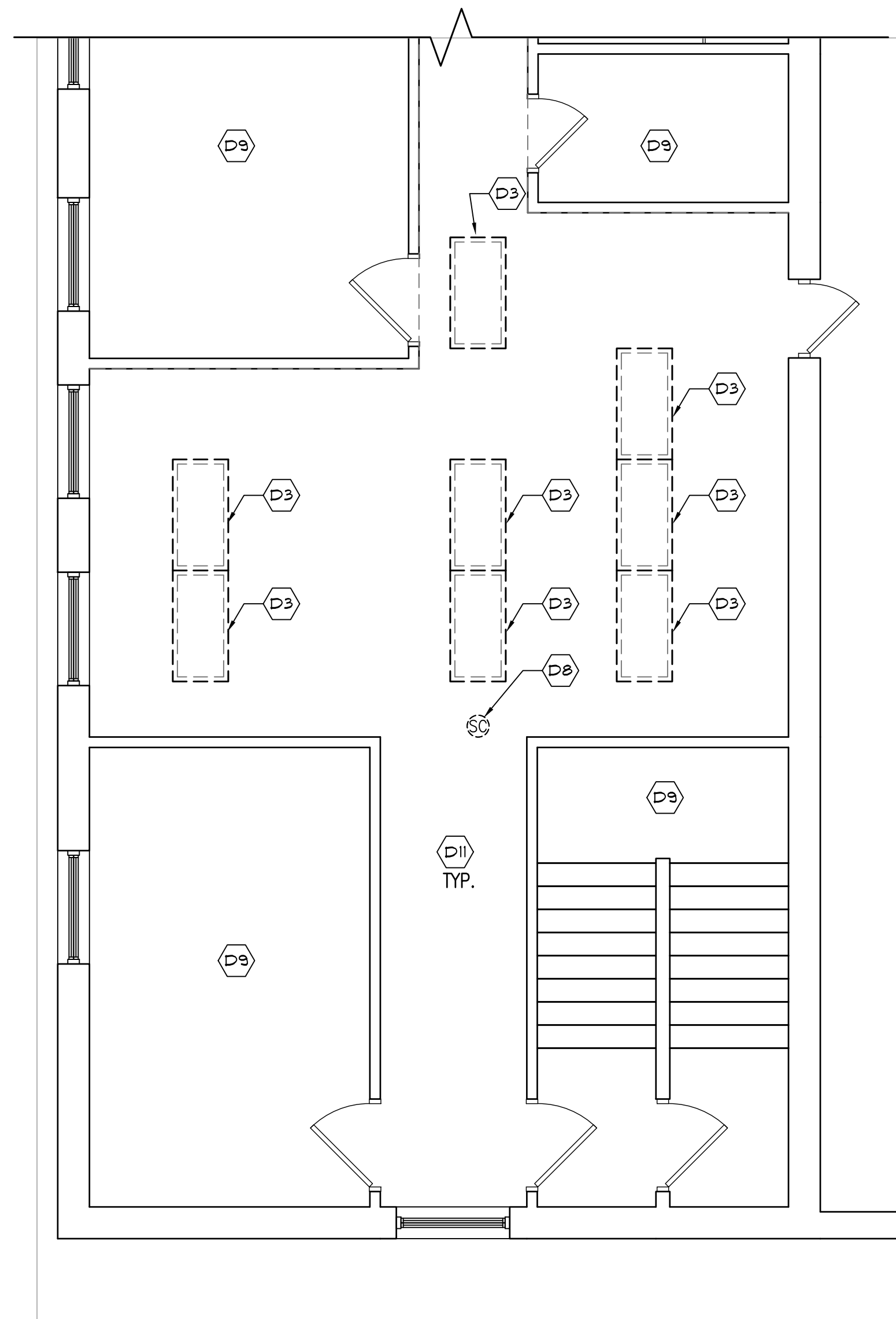
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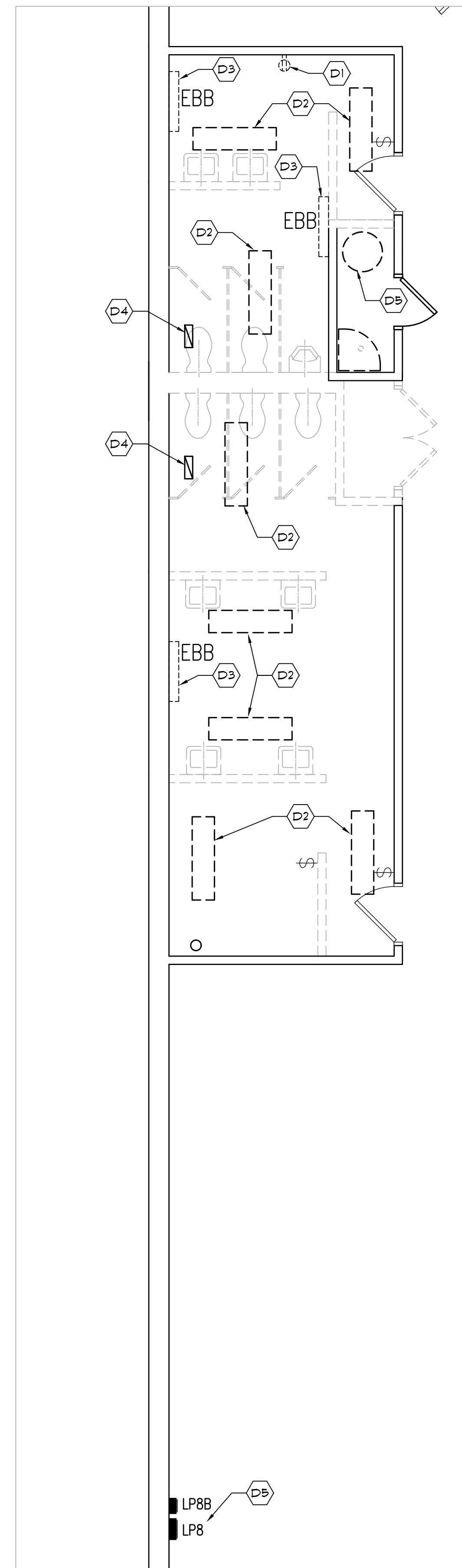
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- KEYED DEMOLITION NOTES**
MEZZANINE FLOOR OFFICE SPACE
- (D1) EXISTING RECEPTACLE, LIGHT FIXTURE, SWITCHES AND WIRING TO REMAIN.
 - (D2) EXISTING RECEPTACLE AND/OR DATA AS INDICATED TO BE REPLACED IN-KIND WITH COLOR PER ARCHITECT.
 - (D3) DISCONNECT, REMOVE, AND DISPOSE OF LIGHT FIXTURE, SWITCHES, CONDUIT AND WIRING BACK TO SOURCE.
 - (D4) EXISTING ELECTRICAL PANELS TO REMAIN.
 - (D5) DISCONNECT, REMOVE AND DISPOSE OF RECEPTACLE WITH RELATED CONDUIT AND WIRING BACK TO SOURCE.
 - (D6) DISCONNECT, REMOVE AND DISPOSE OF NETWORK JACKS AND CABLES BACK TO IT CLOSET.
 - (D7) DISCONNECT, REMOVE AND DISPOSE OF ELECTRIC WALL HEATER WITH RELATED CONDUIT AND WIRING BACK TO PANEL, LINES ON MEZZANINE.
 - (D8) EXISTING SECURITY CAMERA TO REMAIN.
 - (D9) NO WORK IN THIS AREA.
 - (D10) EXISTING DOOR BELL TO REMAIN.
 - (D11) DISCONNECT AND REMOVE EXIT SIGNS AND EMERGENCY LIGHTS WITHIN WORK AREA. REMOVE WIRING BACK TO JUNCTION BOX ABOVE CEILING TO BE RECONNECTED UNDER NEW WORK.



2/3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #3



- KEYED DEMOLITION NOTES**
MEZZANINE FLOOR RESTROOMS
- (D1) DISCONNECT, REMOVE AND DISPOSE OF RECEPTACLE WITH RELATED CONDUIT AND WIRING BACK TO SOURCE.
 - (D2) DISCONNECT, REMOVE AND DISPOSE OF LIGHT FIXTURE, SWITCHES, CONDUIT AND WIRING BACK TO SOURCE.
 - (D3) DISCONNECT, REMOVE AND DISPOSE OF ELECTRIC BASEBOARD HEATER WITH RELATED CONDUIT AND WIRING BACK TO PANEL.
 - (D4) DISCONNECT EXHAUST FAN, REMOVE AND DISPOSE OF RELATED CONDUIT AND WIRING BACK TO PANEL.
 - (D5) DISCONNECT ELECTRIC HOT WATER TANK, CONDUIT AND WIRING TO REMAIN FOR RECONNECTION.
 - (D6) EXISTING ELECTRICAL PANELS TO REMAIN.

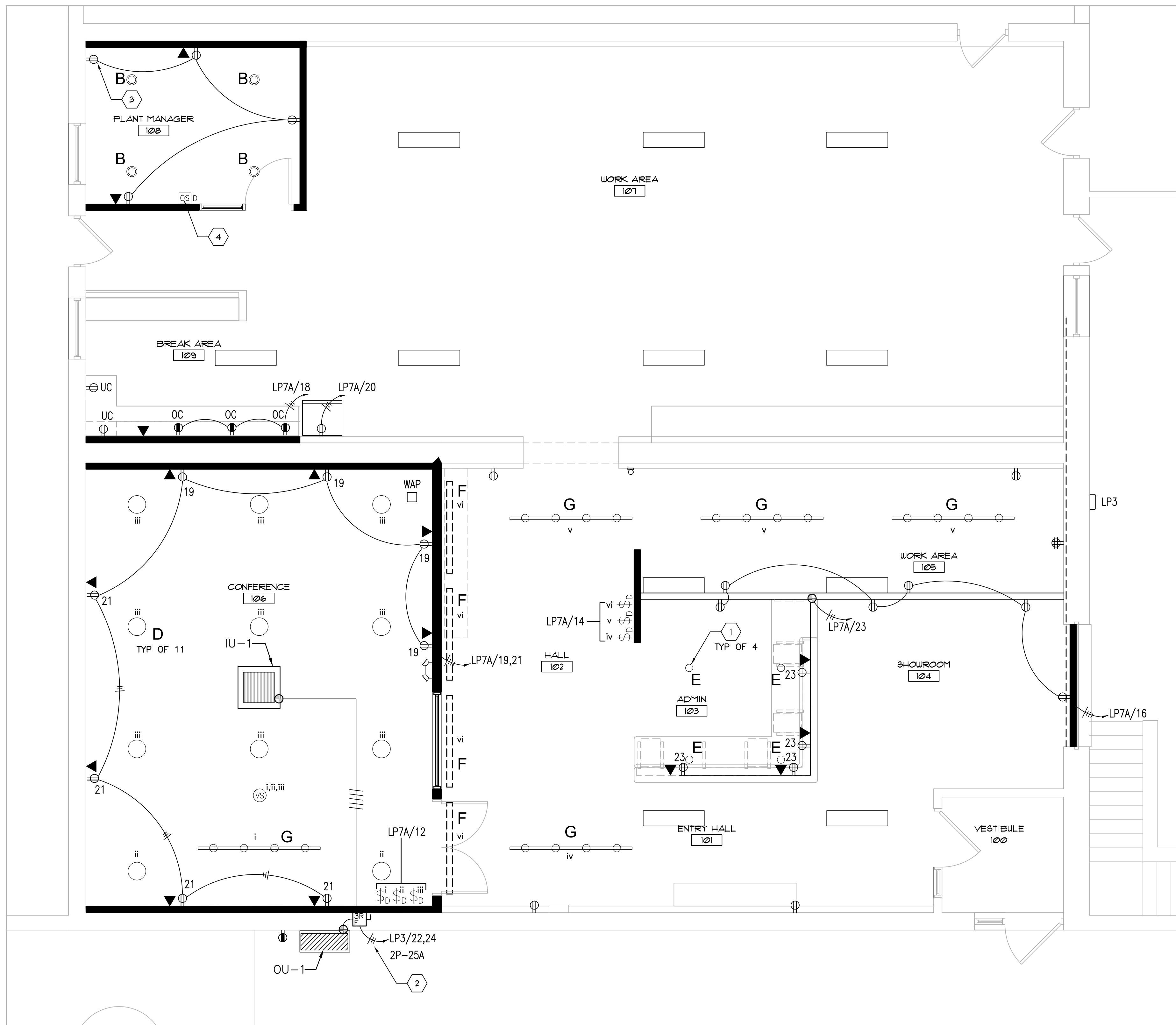
2/3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR RESTROOMS, SCOPE OF WORK #4

2/3 DEMO PLAN
1/4" = 1'-0" MEZZANINE FLOOR OFFICE SPACE, SCOPE OF WORK #3

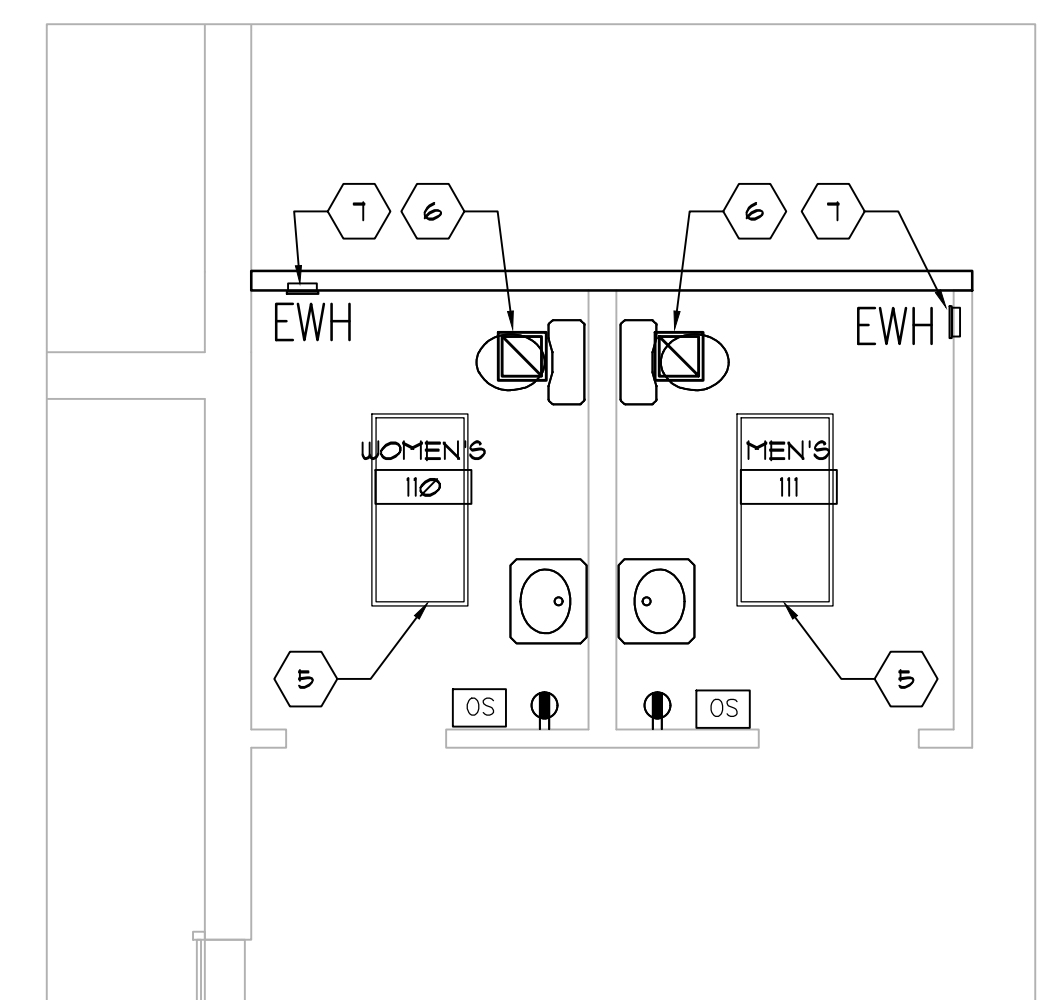


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Sheet Title DEMOLITION PLANS - MEZZ LEVEL ELECTRICAL	
Project #: 25-001	Date: March 17th, 2025
Drawing No. DE1.2	
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1 FIRST FLOOR PLAN
1/4" = 1'-0" PROPOSED



2 FIRST FLOOR PLAN
1/4" = 1'-0"

- KEYED ELECTRICAL NOTES**
- LOCATE BETWEEN SOUND SAMPLES. REFER TO ARCHITECTURAL RCP AND ELEVATIONS.
 - INSTALL CIRCUIT TO FUSED DISCONNECT SWITCH WITH BEAUTIFUL TO OUTDOOR UNIT, AND CIRCUIT FROM OUTDOOR UNIT TO INDOOR UNIT. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - CONNECT TO CIRCUIT FROM NEAREST EXISTING RECEPTACLE.
 - CONNECT TO NEAREST EXISTING LIGHTING CIRCUIT POWER SOURCE.
 - RECONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT.
 - CONNECT NEW CEILING EXHAUST FAN TO EXISTING LIGHTING CIRCUIT CONTROLLED BY ROOM OCCUPANCY SENSOR.
 - INSTALL NEW ELECTRIC WALL HEATER AND RECONNECT TO EXISTING CIRCUIT (HEAT - GRANITE MODEL, KOBOLD/ST. DEV. S.A. MODEL, THERMOSTAT PANEL, RECESSED MOUNTING FRAME, WHITE).

ELECTRICAL SYMBOLS

- INDICATES A HOME-RUN CIRCUIT WIRE AS SPECIFIED TO THE INDICATED PANELBOARD & CIRCUIT. ALL WIRING INDICATED IS MINIMUM SIZE #12 THWN COPPER IN TYPE "MC" CABLE.
- SPECIFICATION GRADE G.F.C.I. TYPE NEMA 5-20R DUPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT ABOVE COUNTER OR AS INDICATED.
- SPECIFICATION GRADE NEMA 5-20R DUPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT 18" A.F.F. UNLESS OTHERWISE SPECIFIED.
- SPECIFICATION GRADE NEMA 5-20R QUADPLEX RECEPTACLE AS SPECIFIED. MOUNTING HEIGHT 18" A.F.F. UNLESS OTHERWISE SPECIFIED.
- NEMA 10-30R, 30A, 2P, 3 WIRE, 240V AC, DRYER RECEPTACLE. MOUNTING HEIGHT 36" A.F.F. UNLESS OTHERWISE NOTED.
- OC=OVER COUNTER IF=IN FLOOR USB=DUPLEX USB
UC=UNDER COUNTER ETR=EXIST TO REMAIN
TR=TAMPER-RESISTANT
- RECEPTACLE TO REMAIN
- RECEPTACLE TO BE REMOVED
- INDICATES THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE COMPLETE ELECTRICAL CONNECTION OF EQUIPMENT AS MAY BE REQUIRED BY THE EQUIPMENT INCLUDING DISCONNECT, JUNCTION BOX, SEAL-TITE.
- SAFETY DISCONNECT SWITCH.
F = FUSED (OTHERWISE NON-FUSED)
3R = NEMA 3R ENCL. (OTHERWISE NEMA1)
- SINGLE POLE, 20 AMP 120V THERMAL OVERLOAD DISCONNECT SWITCH
- INDICATES DATA OUTLET LOCATION, MOUNTING HEIGHT 18" A.F.F. OR AS OTHERWISE INDICATED. PROVIDE BACK BOX AND CAT6 PLENUM RATED CABLE BACK TO IT CLOSET. PROVIDE JACKS, COVERS, AND CONNECTIONS.
- EXISTING DATA OUTLET TO REMAIN
- EXISTING DATA OUTLET TO BE REMOVED
- WAP WI-FI ACCESS POINT W/CAT6 PLENUM RATED CABLE BACK TO IT CLOSET.

LIGHTING SYMBOLS

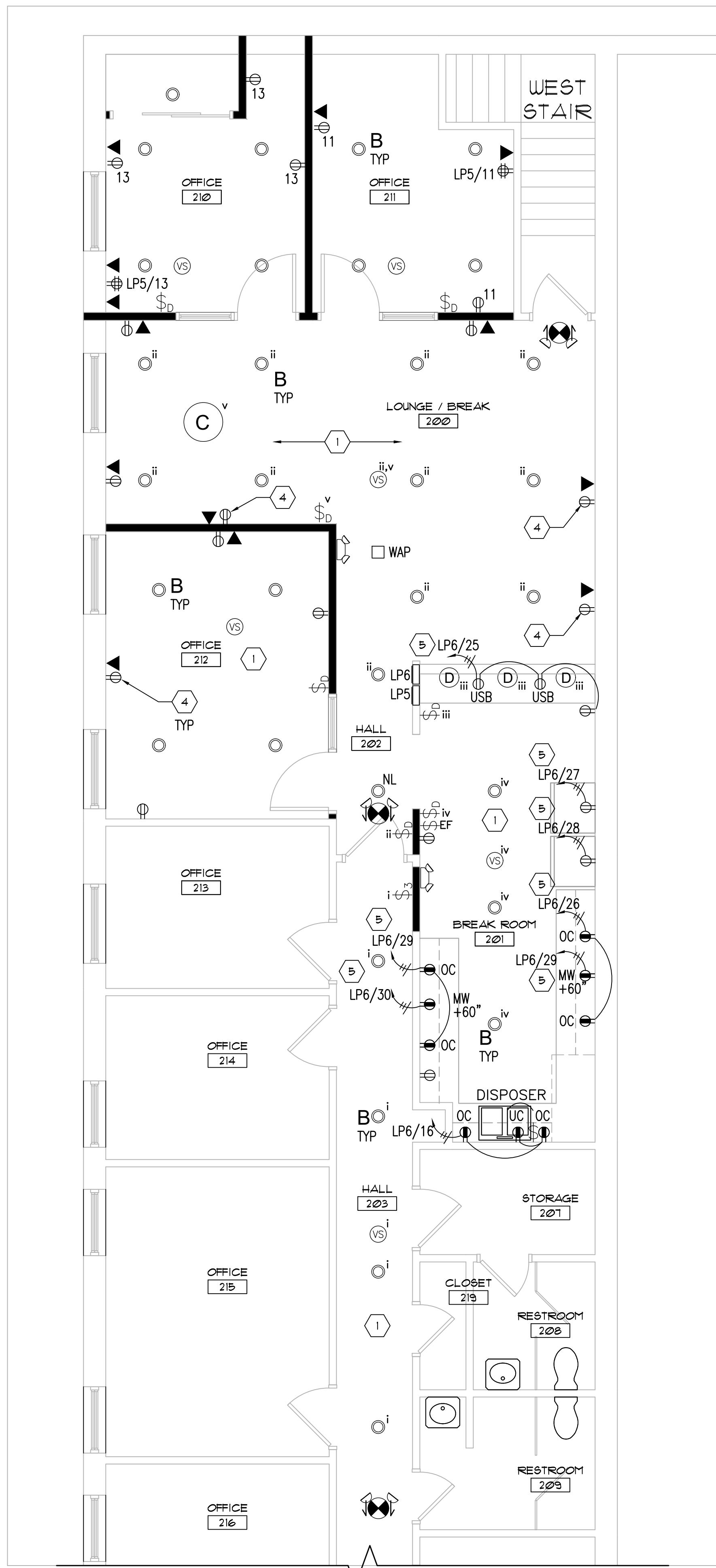
- SWITCHES AND SENSORS**
- OCCUPANCY SENSOR W/MANUAL ON & AUTO OFF CONFIG. (DUAL TECHNOLOGY, WALL MOUNTED) WATTSTOPPER #DSW-301 OR EQUAL.
 - OCCUPANCY SENSOR W/MANUAL ON & AUTO OFF CONFIG. DIMMER SWITCH, 120/277V (DUAL TECHNOLOGY, WALL MOUNTED) WATTSTOPPER #DW-311 OR EQUAL.
 - OCCUPANCY & VACANCY SENSOR (DUAL TECHNOLOGY, CEILING MOUNTED, LINE VOLTAGE, 120V) WATTSTOPPER #DT-355 OR EQUAL.
 - SINGLE POLE, 20 AMP 120V SWITCH
 - DIMMER SWITCH
 - 3-WAY SWITCH
 - NEMA 3R STEEL JUNCTION BOX
 - NIGHT LIGHT

- GENERAL ELECTRICAL NOTES**
- CONFIRM FINAL LOCATIONS AND MOUNTING HEIGHTS OF ALL CEILING FIXTURES AND DEVICES WITH THE ARCHITECT AND OWNER.
 - PROVIDE EXIT AND BY LIGHTING FIXTURE WIRING UN-SWITCHED TO LOCAL LIGHTING AREA BRANCH CIRCUIT AHEAD OF SWITCH.
 - FIXTURES DESIGNATED AS NIGHTLIGHTS 'NL' AND EXIT SIGNS SHALL BE ON UNSWITCHED LOCAL BRANCH CIRCUIT CONNECTION FOR CONTINUOUS OPERATION.
 - SEAL ALL WALL PENETRATIONS WITH UL LISTED FIRE RATED CASINGS.
 - PROVIDE PANTABLE METALLIC SURFACE MOUNTED UNFOLD FOR RECEPTACLES AND DEVICES INSTALLED ON MASONRY WALLS OTHERWISE ALL CONDUIT RUNNING SHALL BE CONCEALED WITH LIGHTING AND NEW CONSTRUCTION.

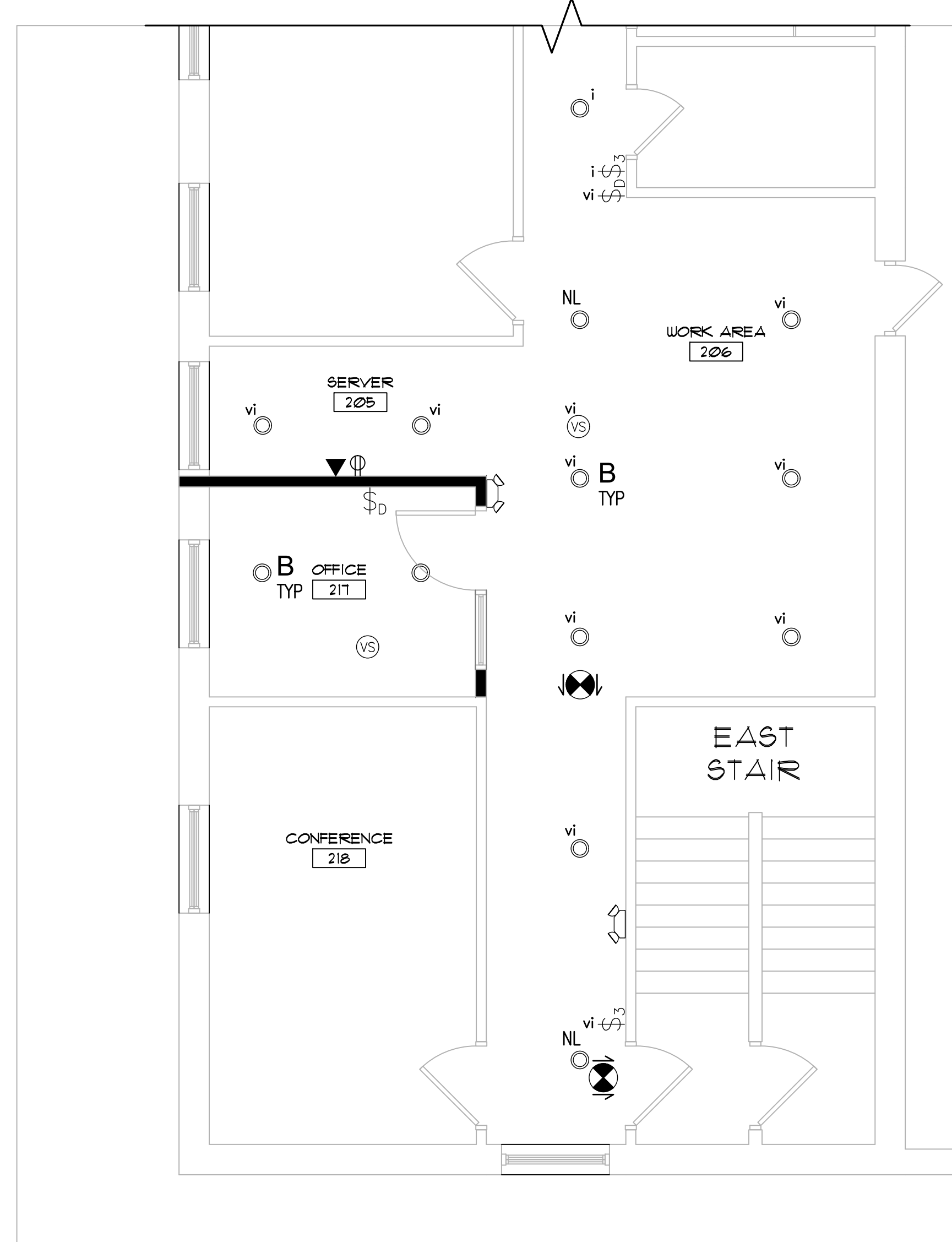


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Revisions	
Project Irish Companies	
Facility Improvements 1444 Clinton Street Buffalo, NY 14206	
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Sheet Title FLOOR PLANS - FIRST FLOOR ELECTRICAL	
Project #: 25-001	Date: April 28th, 2025
Drawing No. E1.1	
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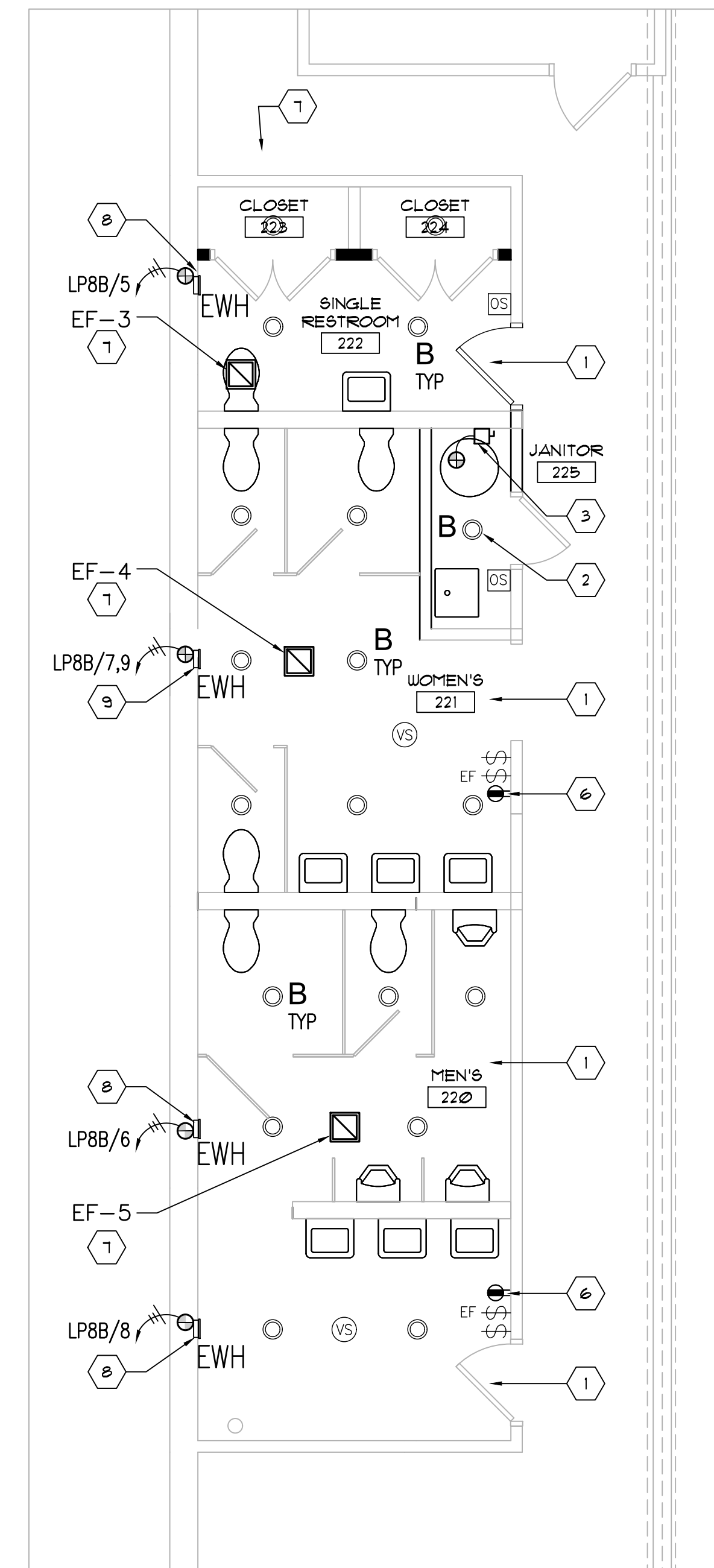
1 MEZZANINE OFFICE FLOOR PLAN
1/4" = 1'-0"



2 MEZZANINE OFFICE FLOOR PLAN
1/4" = 1'-0" PARTIAL

KEYED ELECTRICAL NOTES

- 1 INSTALL NEW LIGHT FIXTURE OCCUPANCY/VACANCY SENSOR AS APPLICABLE AND LIGHTING CIRCUIT BACK TO PANEL.
- 2 RECONNECT NEW LIGHT FIXTURE AND NEW OCCUPANCY SENSOR TO EXISTING LIGHTING CIRCUIT.
- 3 RECONNECT TO EXISTING CIRCUIT AND INSTALL NEW DISCONNECT SWITCH AND WIRING TO NEW ELECTRIC HOT WATER TANK. COORDINATE REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 4 CONNECT TO CIRCUIT FROM NEAREST EXISTING RECEPTACLE.
- 5 PROVIDE NEW 30AMP BREAKER AND 100AMP CIRCUITS AS INDICATED.
- 6 INSTALL NEW GFCI RECEPTACLE, CONDUIT/WIRING BACK TO PANEL.
- 7 INSTALL SWITCH AND CIRCUIT FOR NEW CEILING EXHAUST FAN.
- 8 INSTALL NEW ELECTRIC WALL HEATER CONDUIT AND WIRING BACK TO PANEL.
ITEM - CHAIRS, TABLE, KITCHENCART, 200V/115V, 200V/115V, 200V/115V, 200V/115V, RECESSED MOUNTING FRAME, GATE.
- 9 INSTALL NEW ELECTRIC WALL HEATER CONDUIT AND WIRING BACK TO PANEL.
ITEM - CHAIRS, TABLE, KITCHENCART, 200V/115V, 200V/115V, 200V/115V, 200V/115V, RECESSED MOUNTING FRAME, GATE.



3 MEZZANINE RESTROOM PLAN
1/4" = 1'-0"



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Sheet Title MEZZANINE FLOOR PLANS - ELECTRICAL	
Project #: 25-001	Date: April 28th, 2025
Drawing No. E1.2	This drawing may not be reproduced, copied, altered, or otherwise used without written consent of the Engineer.

ELECTRICAL SPECIFICATIONS

1. GENERAL

A.ALL ELECTRICAL WORK IS SUBJECT TO THE GENERAL REQUIREMENTS OF THE CONTRACT.

2. LAWS, CODES, PERMITS & INSPECTIONS

A.ALL WORK SHALL BE PERFORMED IN COMPLIANCE W/ ALL APPLICABLE FEDERAL, STATE & LOCAL CODES & ORDINANCES, AS WELL AS THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE INCLUDING SUBSEQUENT AMENDMENTS.

B.AT COMPLETION OF WORK, THE ELECTRICAL CONTRACTOR SHALL DELIVER TO THE OWNER A CERTIFICATE OF INSPECTION & ACCEPTANCE OF THE WORK BY THE LOCAL INSPECTION AUTHORITY.

3. GUARANTEE

A.THE CONTRACTOR SHALL GIVE A WRITTEN GUARANTEE UPON FINAL ACCEPTANCE OF THE WORK AGAINST DEFECTIVE WORKMANSHIP, MATERIALS, OR OPERATION THAT MAY APPEAR WITHIN ONE (1) YEAR OF FINAL ACCEPTANCE BY THE OWNER.

4. EQUIPMENT & MATERIALS

A.ALL EQUIPMENT & MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW (UNLESS OTHERWISE SPECIFIED), LISTED BY THE UNDERWRITERS LABORATORIES, & SHALL BE OF THE SAME MAKE WHERE USED FOR SIMILAR PURPOSES.

5. TESTS & INSPECTIONS

A.THE ENTIRE INSTALLATION SHALL BE TESTED & VERIFIED TO BE FREE FROM SHORT CIRCUITS, IMPROPER GROUNDS, & OPEN CIRCUITS.

B.AT THE COMPLETION OF THE PROJECT THE CONTRACTOR SHALL CONDUCT A TWO (2) HOUR TEST W/ ALL ELECTRICAL UTILIZATION EQUIPMENT ENERGIZED, DURING THIS PERIOD A CLOSE WATCH SHALL BE KEPT ON ALL PANELS & EQUIPMENT TO LOCATE ANY DEFECTIVE APPARATUS OR WORKMANSHIP. PARTICULAR ATTENTION SHALL BE PAID TO THE LOAD BALANCE ON VARIOUS PANELS & FEEDERS. WIRING DEVICES & APPLIANCES FOUND TO BE FUNCTIONING IMPROPERLY SHALL BE PROMPTLY REPLACED AT THE CONTRACTOR'S EXPENSE. ANY REQUIRED BALANCING OF CIRCUITS THAT BECOME APPARENT SHALL BE CARRIED OUT IMMEDIATELY.

C. THE CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF THE START OF THE TEST SO THAT HE OR HIS REPRESENTATIVE CAN PLAN TO BE PRESENT DURING THE TESTING PERIOD.

6. MARKING & LABELING

A.PROVIDE ENGRAVED NAMEPLATES FOR ALL DISCONNECTS, STARTERS, PANELBOARDS, TIMERS, CABINETS, ENCLOSURES, ETC. NAMEPLATES SHALL IDENTIFY THE ASSOCIATED EQUIPMENT BEING SERVED. THE NAMEPLATES SHALL BE PLASTIC LAMINATE W/ 3/16" BLACK ENGRAVED LETTERS ON A WHITE BACKGROUND, ATTACHED USING BOLTS, NUTS, & WASHERS.

B.MAKE CERTAIN THAT ALL CIRCUIT BREAKERS IN ALL PANEL BOARDS ARE IDENTIFIED BY ROOM NUMBER &/OR NAME, EQUIPMENT SERVED, OR OTHER APPROPRIATE DESIGNATION. PANELS SHALL BE PROVIDED W/ DOOR MOUNTED, TYPE WRITTEN DIRECTORIES UNDER CLEAR PLASTIC, UPDATE EX. PANEL BOARD DIRECTORIES.

7. INSTRUCTION

A.THOROUGHLY INSTRUCT THE OWNER'S REPRESENTATIVE IN THE PROPER OPERATIONS OF ALL EQUIPMENT FURNISHED UNDER THIS CONTRACT.

8. FINAL CLEANING

A.AFTER TESTS HAVE BEEN MADE & THE INSTALLATION HAS BEEN FOUND SATISFACTORY BY THE ENGINEER, THOROUGHLY CLEAN THE ENTIRE INSTALLATION, BOTH EXPOSED SURFACES & INTERIORS. REMOVE ALL DEBRIS CAUSED BY THE WORK UNDER THIS CONTRACT FROM ALL SPACES INSIDE & OUTSIDE THE BUILDING.

9. CONDUIT & RACEWAYS

A.ALL CONDUIT SHALL BE ELECTRICAL METALLIC TUBING W/ SET SCREW FITTINGS (INTERIOR) OR PVC SCHEDULE 40 (EXTERIOR). EMT SHALL BE DELIVERED TO THE JOB SITE IN TEN-FOOT LENGTHS & SHALL BEAR THE UL LABEL & MANUFACTURER'S NAME OR TRADEMARK. MINIMUM SIZE: 1/2 INCH TRADE SIZE.

B.THE ELECTRICAL RACEWAY SYSTEM SHALL BE INDEPENDENTLY ATTACHED OR SUPPORTED FROM THE BUILDING STRUCTURE & SHALL RUN PARALLEL W/ OR PERPENDICULAR TO THE STRUCTURAL MEMBERS.

C. SUPPORTS & ATTACHMENTS PROVIDED SHALL BE SPECIFICALLY DESIGNED FOR THE INSTALLATION. PERFORATED HANGERS OR WIRE TIE SUPPORTS ARE NOT ACCEPTABLE.

D.ALL RACEWAYS PASSING THROUGH A RATED FIRE SEPARATION SHALL HAVE A UL LISTED FIRE RATED INSTALLATION EQUAL TO THAT RATING. INSTALL WATER TIGHT SEAL FOR CONDUITS WHICH PENETRATE EXTERIOR WALLS.

E.CONDUIT SHALL BE INSTALLED IN ORDER THAT A CONTINUOUS GROUNDING PATH IS ESTABLISHED THROUGHOUT THE ENTIRE RUN. PROVIDE A SEPERATE GREEN GROUNDING EQUIPMENT CONDUCTOR IN EACH CONDUIT.

10. CONDUCTORS

A.ALL WIRE & CABLE SHALL BE NEW WITHIN ONE (1) YEAR OF MANUFACTURE WHEN DELIVERED TO THE JOB SITE & BEAR THE UL LABEL, INSULATION TYPE, VOLTAGE RATING, & MANUFACTURER'S NAME AT REGULAR INTERVALS ON THE INSULATION JACKET.

B.ALL SINGLE CONDUCTOR WIRING IN RACEWAYS SHALL BE STRANDED COPPER, 600 VOLT RATED, TYPE THHN/THWN, 90°C. MINIMUM SIZE: #12 AWG.

C. ALL MULTI-CONDUCTOR CABLE FOR BRANCH CIRCUIT WIRING SHALL BE TYPE "MC" METAL CLAD CABLE (COPPER) W/ CONTINUOUS INSULATED EQUIPMENT GROUNDING CONDUCTOR. MINIMUM SIZE: #12 AWG COMPLYING WITH NEC 250.118.

D.ALL CONTROL CABLE RUN EXPOSED IN THE CEILING SPACE FOR COMMUNICATIONS, TELEPHONE, DATA, ETC. SHALL BE TEFLON JACKETED & BE UL LISTED FOR USE IN AN AIR HANDLING PLENUM.

E.JOINTS, TAPS & SPLICES OF WIRE OF SIZE #10 & SMALLER SHALL BE MADE W/ "SCOTCHLOK" TYPE SPRING CONNECTORS; SIZES #8 & LARGER SHALL BE MADE W/ COMPRESSION CONNECTORS.

11. OUTLETS & WIRING DEVICES

A.BOXES & FITTINGS FOR CONCEALED WORK SHALL BE PRESSED SHEET STEEL, CADMIUM COATED, OR ZINC GALVANIZED AS MANUFACTURED BY RACO, STEEL CITY, UNIVERSAL, OR EQUAL. IN CONCEALED WORK, INSTALL ALL BOXES SO THAT THE FRONT EDGES DO NOT PROTRUDE BEYOND THE FINISHED WALL SURFACE. OUTLET BOXES SHALL BE 4" SQUARE OR OCTAGONAL & NOT LESS THAN 1-1/2" DEEP. IN ALL CASES THEY SHALL BE OF A SIZE & SHAPE ESPECIALLY ADAPTED TO THE PARTICULAR USE TO WHICH THEY ARE PUT. WHERE SPACE LIMITATIONS DICTATE, 2" x 4" BOXES MAYBE USED, IF PROPER VOLUME AS DICTATED BY THE NEC.

B.RECEPTACLES SHALL BE DUPLEX GROUNDING TYPE 20A, NEMA 5-20R, 120V, SPECIFICATION GRADE, W/ WHITE PLASTIC COVER PLATE. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLES SHALL BE UL 914 LISTED & PROVIDED IN LOCATIONS AS INDICATED. COLOR SHALL BE WHITE PLASTIC.

C. GROUND FAULT CURRENT INTERRUPTER (GFCI) DUPLEX RECEPTACLES SHALL BE AN INTEGRAL UNIT, SUITABLE FOR MOUNTING IN A STANDARD OUTLET BOX. GFCI RECEPTACLES SHALL BE SELF-TEST RECEPTACLES IN ACCORDANCE WITH UL 943.

D.SWITCHES SHALL BE SINGLE POLE, OR THREE-WAY AS INDICATED, 20A, 120V-277V, SPECIFICATION GRADE, QUITE TYPE, W/ WHITE PLASTIC COVER.

E.MANUFACTURES:

- (1) HUBBELL
- (2) LEVITON
- (3) BRYANT
- (4) PASS & SEYMOUR
- (5) COOPER WIRING SYSTEM

12. LIGHT FIXTURE REQUIREMENTS

A.ALL LIGHT FIXTURES ARE TO BE PROVIDED COMPLETED W/ ALL NECESSARY ACCESSORIES, SUPPORTS & FOR PROPER INSTALLATION. CATALOG NUMBERS SHOWN ARE BASIC FIXTURE TYPES, & ADDITIONAL FEATURES, ACCESSORIES, & OPTIONS HEREIN SPECIFIED OR SCHEDULED ARE TO BE PROVIDED FOR ALL FIXTURES PROVIDED.

13. GROUNDING

A.ALL EQUIPMENT GROUNDING CONNECTIONS SHALL BE COMPLETELY CONNECTED PRIOR TO ENERGIZING EQUIPMENT, THE ENTIRE RACEWAY SYSTEM SHALL COMPOSE A CONTINUOUS GROUND FROM THE INITIAL GROUND CONNECTION TO THE FURTHEST OUTLET.

B.ALL RECEPTACLES SHALL HAVE A SEPERATE GROUNDING CONDUCTOR INSTALLED FROM THE GROUND TERMINAL ON THE DEVICE TO THE METALLIC BOX.

14. PANELBOARDS

A.AS REQUIRED NEW CIRCUIT BREAKERS SHALL BE QUICK MAKE, QUICK-BREAK, W/ THERMAL MAGNETIC TRIP. CIRCUIT BREAKERS FOR HVAC EQUIPMENT LOADS SHALL BE SPECIFICALLY RATED FOR SUCH LOADS (HACR TYPE). MULTI-POLE BREAKERS SHALL HAVE A COMMON INTERNAL TRIP, UL LISTED AS MULTI-POLE UNITS. HANDLE TIES ARE NOT PERMITTED.

15. SHOP DRAWINGS & MANUFACTURER DATA

A.THE CONTRACTOR SHALL SUBMIT W/ SUCH PROMPTNESS AS TO CAUSE NO DELAYS IN HIS WORK OR THAT OF OTHER CONTRACTORS. PROVIDE SIX (6) COPIES OF ALL SHOP DRAWINGS OR DESCRIPTIVE LITERATURE ON ALL EQUIPMENT TO BE SUPPLIED.

16. AS BUILT DRAWINGS

A.AT THE COMPLETION OF THE ELECTRICAL WORK, THE CONTRACTOR RESPONSIBLE FOR THE WORK PERFORMED UNDER THIS CONTRACT SHALL PROVIDE AS-BUILT DRAWINGS.

B.THE CONTRACTOR WILL BE FURNISHED A SET OF PRINTS OF THE CONTRACT DRAWINGS FOR THE PURPOSE OF KEEPING A COMPLETE RECORD OF ALL INSTALLATION WORK. THE CONTRACTOR SHALL KEEP A COMPLETE RECORD AF ALL WORK & SHALL INDICATE DEVIATIONS FROM THE CONTRACT DRAWINGS. ALL CHANGES, REVISIONS &/OR ADDITIONS MADE IN THE INSTALLATION OF THE WORK, WHICH DIFFER FROM THAT REQUIRED BY THERE DRAWINGS, SHALL BE NOTED.

END

LUMINAIRE SCHEDULE

TYPE	SYMBOL	LUMINAIRE DESCRIPTION	LIGHT SOURCE	VOLTAGE	DESIGN BASIS OR EQUAL
A		2'x4', EDGE LIT LED PANEL, RECESSED, WHITE FROSTED ACRYLIC LENS, DIMMABLE, SELECTABLE LUMENS AND CCT. * PROVIDE EMERG OPTION WHEN NOTED 'EM'.	LED 4620LMS 40.2W 4000° K	UNIV	COOPER METALUX 24FPSL2SCT3 -EL10W*
B		6" DIA., RECESSED DOWNLIGHT, DIMMABLE, WIDE DISTRIBUTION, INTEGRAL 0-10V DIMMABLE DRIVER	LED, 90CRI 1041LM 9.4W 4000° K	120/277	COOPER HALO MODEL 750ICATMLS609940/693WB WHITE BAFFLE & TRIM RING
C		24" SEMI-FLUSH BOWL W/ CONCENTRIC CIRCLES FINIALS, DARK BRONZE, A19 BASE. PROVIDE DIMMABLE 60W EQUIV. LED BULBS.	LED (6)10W 1600LMS 4000° K	120	JUSTICE DESIGN GROUP MODEL #CLD-9652-25-DBRZ-F6
D		10" FLUSH MOUNT. PAINTED COPPER BRONZE PATINA, DIMMABLE LED MODULE.	LED 25W 1850LMS 3000° K	120	GEORGE KOVACS MODEL #P842-647B-L
E		6INCH WIDE MINI PENDANT, BLACK, E26 BASE. PROVIDE DIMMABLE LED 60W EQUIVALENT BULBS.	LED, 80CRI 2800 LM 12 W 4000° K	120	SEARCY MILLENNIUM MODEL #2961-PBZ
F		8 FT LED LINEAR FIXTURE, POLYCARBONATE FROSTED, 0-10V DIMMABLE, CCT SELECTABLE, BLACK, SURFACE MNT KIT.	LED, 80CRI 6600 LM 60 W 4000° K	120/277	WARELIGHT DIRECT G2 SERIES BEAMLED-6-66-SCT-DMV-8K
G		8FT TRACK, BLACK, SUSPENSION KIT, (4) DIMMABLE PAR38 LED LIGHT HEADS.	LED 25W 1850LMS 3000° K	120	TRACK AND LIGHT HEADS, MODEL #LED-TLSK214-ABK

EM		EMERGENCY BATTERY PACK LIGHTING FIXTURE, 90 MINUTES BACKUP	LED	120/277	COOPER SURELITE MODEL #APEL
EM/EX		COMBO EXIT AND EMERGENCY LIGHT THERMOPLASTIC, LED TYPE EXIT LUMINAIRE, WHITE HOUSING, RED "EXIT" ON FACE UNIVERSAL MOUNT, NI-CAD BATTERY, HIGH POWER TO RUN 2 LED REMOTE HEADS.	LED 3.8W	120/277	COOPER SURELITE MODEL #APCH7
EXIT		THERMOPLASTIC, LED TYPE EXIT LUMINAIRE, WHITE HOUSING, RED "EXIT" ON FACE UNIVERSAL MOUNT, NI-CAD EM BATTERY	LED	120/277	COOPER SURELITE MODEL #APX7

NOTES:

- 1. PROVIDE FIXTURES COMPLETE WITH MOUNTING KITS.
- 2. PROVIDE APPROVED FIXTURES HAVING SIMILAR PERFORMANCE.



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Sheet Title
SPECIFICATIONS & SCHEDULE - ELECTRICAL

Project #: 25-001

Date: April 28th, 2025

Drawing No.

E2

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