

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330



PROJECT LOCATION

VICINITY MAP
NTS

SPIEZLE GROUP, INC.
M / E / P ENGINEERS



SPIEZLE ARCHITECTURAL GROUP, INC
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www.spiezle.com

CODE SUBMISSION: 09/17/2026
BID DATE: 09/17/2026

BID DOCUMENTS

BUILDING E OFFICE
RENOVATION

25U012

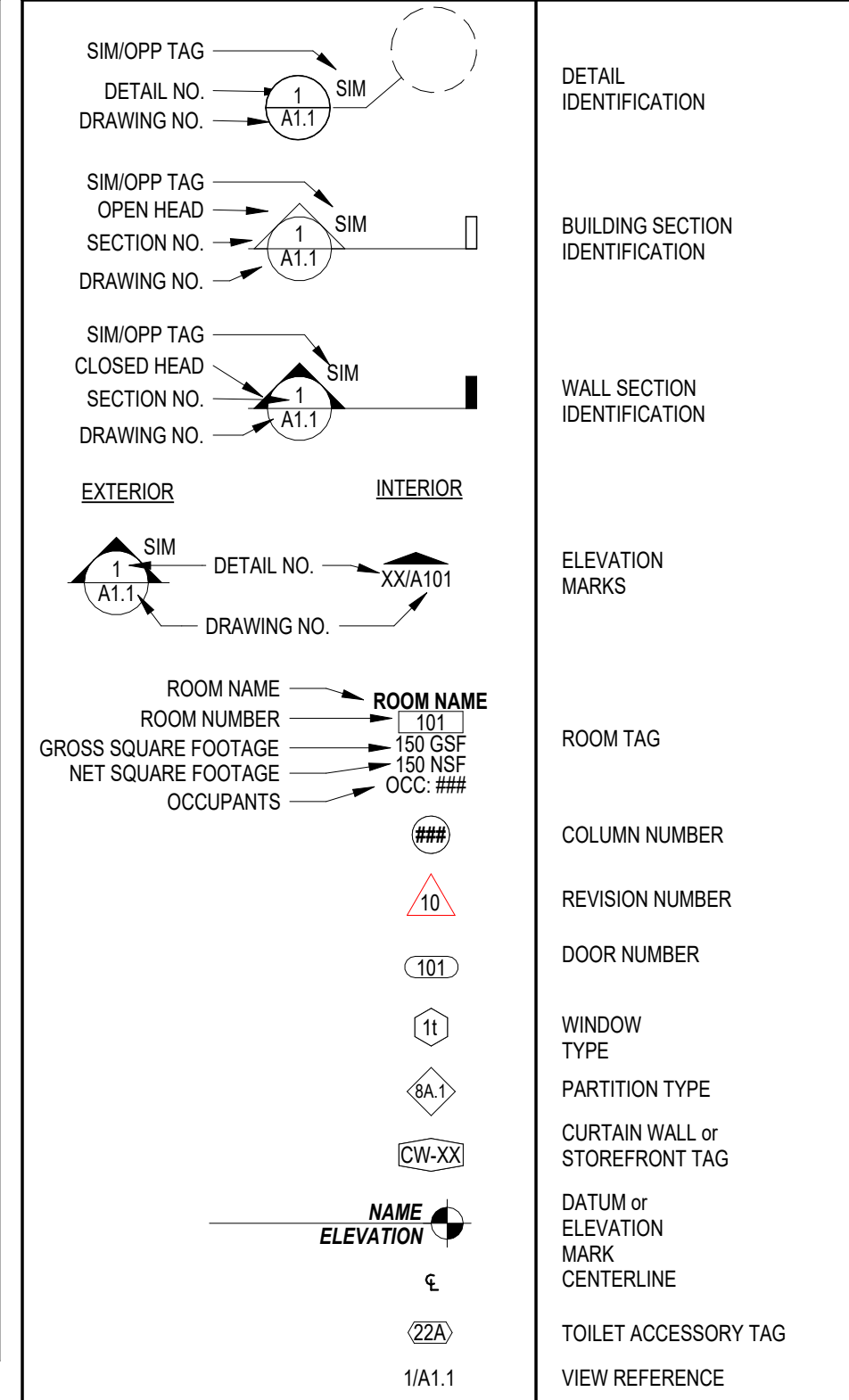
DRAWING NUMBER:

G1.1



CJ	CONTROL JUNG
CM	CONCRETE MASONRY UNIT
CMF	CM FORMED METAL FINISH SYSTEM
DWG	DRAWINGS
GFS	GLASS FIBER INSULATION AND FRAMING SYSTEM
EL	ELEVATION
EQ	EQUAL
EJ	EXPANSION JOINT
EW	ELECTRIC WATER COOLER
FDC	FLOOR DRAIN
FJ	FIRE EXTINGUISHER (BRACKET MOUNTED)
FFC	FIRE EXTINGUISHER CABINET
FT	FOOT OF FEET
FTW	FIRE RETARDANT TREATED WOOD
GALV	GALVANIZED
GSP	GROSS SQUARE FEET
GWB	GLASS WOOD BOARD
HM	HOLLOW METAL
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MO	MAXIMUM OPENING
NSF	NOT APPLICABLE
NC	NET CONTRACT
NET	NET SQUARE FEET
ON	ON CENTER
OD	OUTSIDE DIAMETER OR OUTSIDE DIAMETER
PCD	POINT OF PAINTED
PTW	TREATED PRESSED WOOD
PVC	POLY VINYL CHLORIDE
REIN	REINFORCED OR REINFORCING
RWC	RAIN WATER CONDUCTOR
SF	SQUARE FEET
TOS	TOP OF STEEL
TY	TYPICAL
VF	VERIFY IN FIELD

	BATT / MINERAL WOOL INSULATION
	BRICK
	CONCRETE
	CONCRETE MASONRY UNIT (CMU)
	EARTH
	FIRE SAFING
	GYPSUM WALL AND/OR CEILING BOARD
	MORTAR NET
	MORTAR / GROUT
	PLYWOOD
	POROUS FILL or SUB-SLAB AGGREGATE
	RIGID INSULATION
	SPRAY FOAM INSULATION
	STEEL
	CONTINUOUS WOOD BLOCKING
	WOOD SHIM or BLOCKING



DWG. NO.	TITLE	CURRENT REVISION
GENERAL		
G1.1	COVER	
	NOTES, ABBREVIATIONS, PARTITION TYPES AND LIST OF DRAWINGS	
CODE PLANS		
LS1.1	LIFE SAFETY PLAN	
DEMOLITION		
AD1.1	DEMOLITION PLAN	
AD1.2	DEMOLITION PLAN	
ARCHITECTURAL		
A1.1	FLOOR PLAN	
A2.0	TOILET ROOM PLANS AND ELEVATIONS	
A3.0	ROOF PLAN	
A3.1	ROOF PLAN	
AA.1	REFLECTED CEILING PLAN AND DETAILS	
AS.1	EXTERIOR ELEVATIONS	
AT.0	PLAN DETAILS	
AB.1	CASEWORKER AND EQUIPMENT PLANS AND DETAILS	
AB.2	CASEWORKER AND EQUIPMENT ELEVATIONS	
AB.1	FINISH PLANS AND INTERIOR ELEVATIONS	
AB.2	FINISH PLANS AND INTERIOR ELEVATIONS	
AB.3	INTERIOR ELEVATIONS	
AB.4	INTERIOR ELEVATIONS	
AT0.1	DOOR AND FRAME SCHEDULES	
HEATING, VENTILATION, AND AIR CONDITIONING		
MD1.0	MECHANICAL, GENERAL NOTES, ABBREVIATIONS AND LEGEND	
MD1.0	MECHANICAL, DEMOLITION PARTIAL FLOOR PLAN	
MD1.1	MECHANICAL, DEMOLITION PARTIAL FLOOR PLAN	
M1.0	MECHANICAL, NEW WORK PARTIAL FLOOR PLAN	
M1.1	MECHANICAL, NEW WORK PARTIAL FLOOR PLAN	
M2.0	MECHANICAL, NEW WORK PARTIAL FLOOR PLAN	
M2.1	MECHANICAL, NEW WORK PARTIAL FLOOR PLAN	
M3.0	MECHANICAL, FLOW DIAGRAMS	
MA.0	MECHANICAL, SCHEDULES	
M5.0	MECHANICAL, DETAILS	
PLUMBING		
P0.0	PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGEND	
PD1.0	PARTIAL FLOOR PLAN - DOMESTIC WATER - AREA 'E' DEMOLITION	
PD1.1	PARTIAL FLOOR PLAN - PLUMBING AREA 'E' DEMOLITION	
P1.0	PARTIAL FLOOR PLAN - DOMESTIC WATER - AREA 'A' NEW WORK	
P1.1	PARTIAL FLOOR PLAN - PLUMBING NEW WORK	
P9.0	PLUMBING RISER DIAGRAM - DEMOLITION	
P3.1	PLUMBING NATURAL GAS RISER DIAGRAM	
PA.0	PLUMBING DETAILS	
ELECTRICAL		
ED1.0	ELECTRICAL, GENERAL NOTES, ABBREVIATIONS AND LEGEND	
ED1.0	ELECTRICAL, DEMOLITION PARTIAL FLOOR PLAN	
ET.0	ELECTRICAL, PARTIAL NEW WORK FLOOR PLAN	
FIRE SUPPRESSION		
FPD.0	FIRE PROTECTION GENERAL NOTES, ABBREVIATIONS AND LEGEND	
FPD1.0	PARTIAL FLOOR PLAN - FIRE PROTECTION - DEMOLITION	
FA.1	FIRE ALARM PARTIAL FLOOR PLANS - DEMOLITION AND NEW WORK	

CERTIFICATE:



SIGNATURE

THOMAS S. PERRINO
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SPIEZE ARCHITECTURAL GROUP, INC.

SEAL

CONSULTANTS

BID DOCUMENTS

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#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

NOTES, ABBREVIATIONS,
PARTITION TYPES AND
LIST OF DRAWINGS

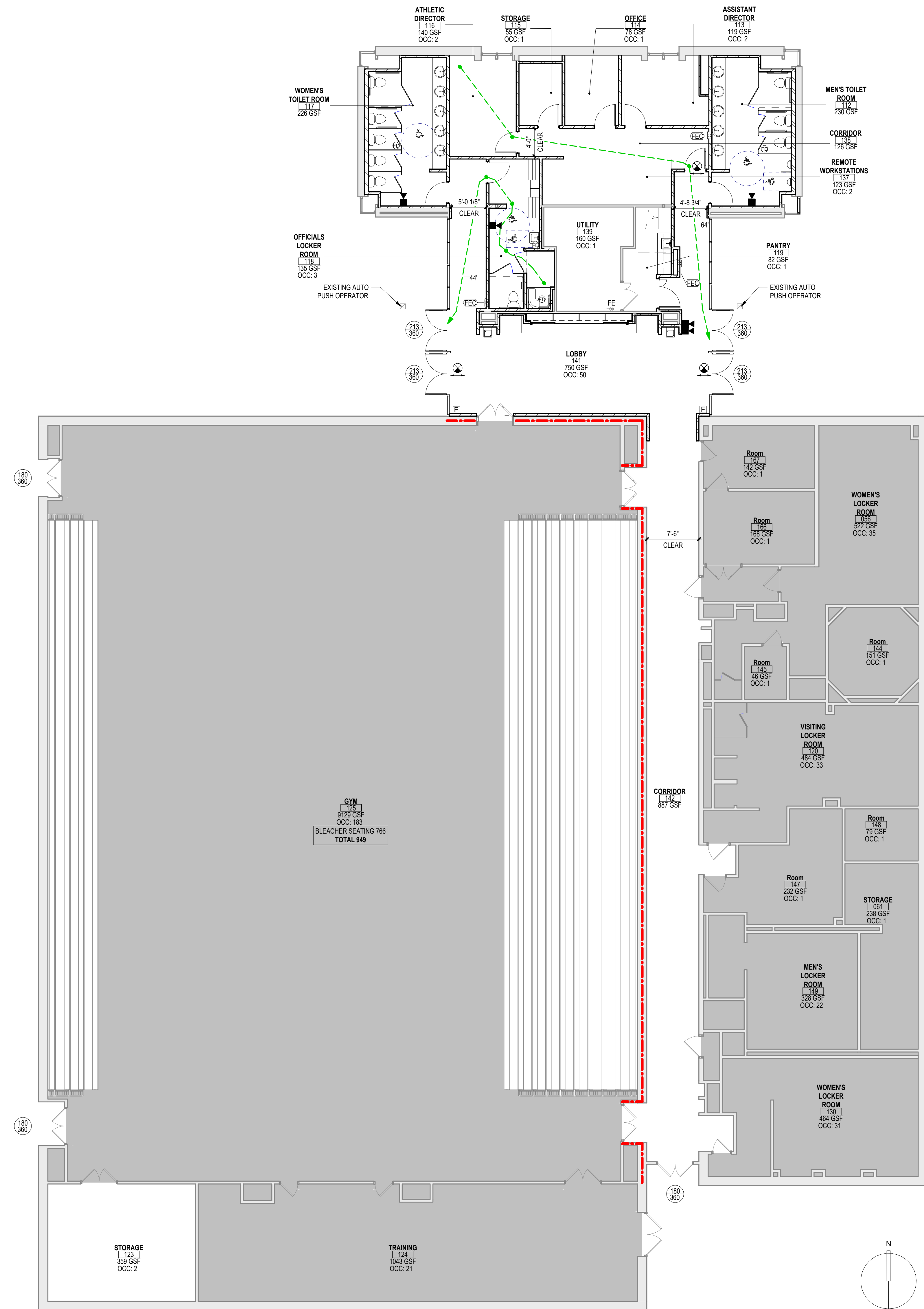
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DRAWING NUMBER

G1.2



1. BUILDING SUBCODE (NJAC 5:23-3.14)
2. INTERNATIONAL BUILDING CODE - 2021 NEW JERSEY EDITION
3. NATIONAL STANDARD PLUMBING CODE - 2021
4. NATIONAL ELECTRICAL CODE (NFPA 70) - 2020
5. ENERGY SUBCODE - ASHRAE 90.1-2019
6. INTERNATIONAL MECHANICAL CODE - 2021
7. INTERNATIONAL FUEL GAS CODE - 2021
8. REHABILITATION SUBCODE - NUJCC, SUBCHAPTER 6
9. BARRIER FREE SUBCODE, ICC/ANSI A117.1-2017

REQUIRED PLUMBING FIXTURES (TABULATION OF PLUMBING FIXTURES AS PER 2015 NATIONAL STANDARD PLUMBING CODE)				
OCCUPANT LOAD BASED ON EGRESS REQUIREMENTS MAXIMUM OCCUPANTS = 1,165				
BUSINESS = 145 (MAXIMUM OCCUPANTS) x (2/3) = 97 (CALCULATED OCCUPANTS) x 50% = 49				
ASSEMBLY = 1,020 (MAXIMUM OCCUPANTS) x (2/3) = 680 (CALCULATED OCCUPANTS) x 50% = 340				
REQUIRED FIXTURES PER GENDER (PER TABLE 7.2.1.1):				
	<u>WOMEN</u>	<u>MEN</u>	<u>UNISEX</u>	<u>TOTAL</u>
WATER CLOSETS	7	5	-	9
LAVATORIES	3	3	-	4
DRINKING FOUNTAINS	-	-	3	3
PROVIDED FIXTURES:				
	<u>WOMEN</u>	<u>MEN</u>	<u>UNISEX</u>	<u>TOTAL</u>
WATER CLOSETS	7	8	1	16
LAVATORIES	7	7	1	15
DRINKING FOUNTAINS	-	-	4	4
NO MORE THAN 50% OF PROVIDED AND REQUIRED NUMBER OF WATER CLOSETS ARE URINALS				

	EXISTING 1 HOUR FIRE PARTITION 1 HOUR FIRE PARTITION FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER EMERGENCY EXIT SIGN FIRE ALARM HORN AND STROBE FIRE ALARM STROBE FIRE ALARM PULL STATION
X = 64' X = XX'	MAXIMUM EXIT ACCESS TRAVEL DISTANCE COMMON PATH OF EGRESS TRAVEL DISTANCE
ACTUAL EGRESS LOAD EGRESS CAPACITY	DOOR EGRESS CAPACITY TAG
NOTES: 1. INCLUSION IN LEGEND DOES NOT IMPLY SCOPE, NOT ALL SYMBOLS MAY BE USED. 2. MAXIMUM OCCUPANT LOAD AS SHOWN IS USED FOR EGRESS CALCULATIONS ONLY. 3. EGRESS CAPACITY IS BASED ON CLEAR WIDTH OF DOORS MINUS 3" FOR SINGLE DOOR, 4" FOR DOUBLE DOOR. 4. ANY NEWLY CONSTRUCTED OR RENOVATED FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, OR SMOKE PARTITION, WHICH IS PART OF THIS SCOPE OF WORK, MUST BE IDENTIFIED ABOVE THE CEILING. THE IDENTIFICATION SHALL BE STYLED WITH A MINIMUM OF 2" HIGH LETTERS OR SIMILAR MARKINGS AND SHALL BE IN ALL ROOMS, CORRIDORS, OR OTHER SPACES TRAVERSED.	

INTERNATIONAL BUILDING CODE			
CHAPTER 3 • OCCUPANCY CLASSIFICATION AND USE			
302	EXISTING USE GROUP CLASSIFICATION	B & A4	
CHAPTER 5 • GENERAL BUILDING HEIGHTS AND AREAS			
504.3	ALLOWABLE BUILDING HEIGHT ACTUAL BUILDING HEIGHT	75'-0" FT 12'-8" FT	
504.4	ALLOWABLE NUMBER OF STORIES ACTUAL NUMBER OF STORIES	3 1	
506	ALLOWABLE TOTAL BUILDING AREA ACTUAL TOTAL BUILDING AREA	38,000 SF 16,793 SF	
508.4	REQUIRED SEPARATION OF OCCUPANCIES (MIXED-USE) B OCCUPANCY TO A-4 OCCUPANCY	1 HOUR	
509	INCIDENTAL USES (TABLE 509)		
	N/A	0 HOUR	
510.7	SPECIAL PROVISIONS N/A	0 HOUR	
CHAPTER 6 • TYPES OF CONSTRUCTION			
MIN. CONSTRUCTION TYPE REQ.		IIB	
EXISTING CONSTRUCTION TYPE		IIB FULLY SPRINKLERED	
TABLE 601			
BUILDING ELEMENT		REQ'D RATING (HRS)	
PRIMARY STRUCTURAL FRAME		0	
BEARING WALLS	EXTERIOR	0	
	INTERIOR	0	
NON BEARING WALLS	EXTERIOR (TABLE 602)	0	
	INTERIOR	0	
FLOOR CONSTRUCTION		0	
ROOF CONSTRUCTION		0	
CHAPTER 8 • INTERIOR FINISHES			
OCCUPANCY (SPRINKLED)		FSI	
INTERIOR EXIT STAIRS, RAMPS, PASSAGeways		B	
CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS		C	
ROOMS AND ENCLOSED SPACES		C	
CHAPTER 9 • FIRE PROTECTION			
AUTOMATIC SPRINKLER SYSTEM PROVIDED		(YES)	
CHAPTER 10 • MEANS OF EGRESS			
TOTAL OCCUPANT LOAD		66	
FUNCTION OF SPACE	AREA (SF)	OCCUPANCY LOAD FACTOR	NUMBER OF OCCUPANTS
BUSINESS	597	150	10
ASSEMBLY	10,172	50	204
BLEACHERS			766
LOBBY	748	15	50
LOCKERS	1,954	15	125
STORAGE	1,488	300	10
TOTAL		1,165	
GROSS AREA		16,793 SF	
GROSS RENOVATION AREA		3,089 SF	
GROSS RENOVATION VOLUME		43,776 SF	
MAX EXIT ACCESS TRAVEL DISTANCE		300'	
TRAVEL DISTANCE REQUIREMENTS			
MAX. COMMON PATH OF TRAVEL EXIT ACCESS (TABLE 1005.2.1)		100'	
MAX. EXIT ACCESS (TABLE 1017.2)		300'	
MAX. DEAD END TRAVEL (TABLE 1020.4)		50'	
MINIMUM CORRIDOR WIDTH (TABLE 1020.2)		44"	

CERTIFICATE



SIGNATURE _____

21AJ01506400
21AJ01674400
21AJ01170100
21AJ01564200
21AJ01784200
21AD00063000

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FOR BIDDING

09/17/2026

DRAWING TITLE:

LIFE SAFETY PLAN

COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

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LS1.1

GENERAL DEMOLITION NOTES

- DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE WORK INDICATED HEREWITH, AS COORDINATED WITH WORK OF ALL OTHER TRADES, AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN EACH CONTRACTOR'S BASE BID TO PERFORM AND COMPLETE CONSTRUCTION, UNLESS OTHERWISE INDICATED. REFER TO ASBESTOS ABATEMENT REPORT AS WELL AS MECHANICAL, ELECTRICAL AND PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL ITEMS DESIGNATED AS SALVAGED SHALL BE PROTECTED AND TURNED OVER TO THE OWNER.
- ITEMS TO BE RELOCATED OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.
- LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
- WHEN A NEW WALL, CEILING, ROOF OR FLOOR ASSEMBLY IS INDICATED WHERE AN EXISTING WALL, CEILING, ROOF OR FLOOR ASSEMBLY EXISTS, THE EXISTING SHALL BE COMPLETELY REMOVED, WITH ASSOCIATED UTILITIES REMOVED AND CAPPED BEHIND THE SURFACES TO REMAIN. ALL DEPRESSIONS, INDENTATIONS, OR PROTRUSIONS LEFT AFTER THE REMOVAL OF ITEMS WHICH MAY INTERFERE WITH THE CONSTRUCTION SHALL BE REPAIRED, REPLACED OR REMOVED TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING SURFACES.
- CONTRACTORS SHALL VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS OR DISCREPANCIES ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.
- WHERE OPENINGS ARE INDICATED TO BE MADE IN EXISTING MASONRY WALLS, OR EXISTING OPENINGS ARE TO BE FILLED, THE CONTRACTOR SHALL TOOTH IN NEW MASONRY CONSTRUCTION TO MATCH ADJACENT COURSING.
- CONTRACTOR(S) ARE RESPONSIBLE FOR SHORING, BRACING AND UNDERPINNING RELATED TO THE DEMOLITION, REMOVAL OR CUTTING OF ANY WALL, PARTITION, OR ANY OTHER LOAD-BEARING OR STRUCTURAL ELEMENT.

DEMO KEYNOTE LEGEND

Key Value	Keynote Text
D1	REMOVE EXISTING WATER FOUNTAINS AND STORE FOR REINSTALLATION. OWNER TO TEMPORARILY RELOCATE VENDING MACHINES UNTIL WORK IS COMPLETE.
D2	REMOVE ALL TOILET ACCESSORIES AND RETURN TO THE OWNER.
D3	REMOVE TOILET PARTITIONS AND BRACING IN THEIR ENTIRETY.
D4	REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.
D5	REMOVE EXISTING SUSPENDED CEILING SYSTEM AND FIXTURES IN ITS ENTIRETY. SAFE-ORF EXISTING CONDUITS WHERE SCHEDULED TO BE REUSED OTHERWISE TERMINATE CONDUIT AND WIRING BACK TO NEAREST PANEL.
D6	REMOVE EXISTING RESILIENT FLOOR FINISHES AND BASE IN THEIR ENTIRETY DOWN TO SUBSTRATES.
D7	SHAWCUT AND REMOVE CONCRETE FLOOR FOR NEW PLUMBING, COORDINATE EXTENTS WITH NEW PIPING.
D8	REMOVE EXISTING TILE FINISH AND PREPARE SUBSTRATE FOR NEW FINISH.
D9	REMOVE EXISTING MASONRY WALLS IN THEIR ENTIRETY, COORDINATE EXTENTS WITH NEW WORK.
D10	RELOCATE EXISTING EQUIPMENT PER ENGINEERING DRAWINGS. SEE IMAGE A.
D11	REMOVE HANDRAILS AND ASSOCIATED BRACKETS IN THEIR ENTIRETY.
D14	REMOVE CURTAINWALL STOREFRONT FRAMING AND GLAZING AS INDICATED. PROTECT EXISTING MASONRY/WALL OPENINGS TO REMAIN.
D17	REMOVE ALL WAX AND POLISH. PREPARE BRICK FLOOR TO RECEIVE LEVELING. PREPARE EXISTING BRICK BASE TO RECEIVE PRIMER AND PAINT. SECURE ANY LOOSE BRICKS.
D19	REMOVE EXISTING DISPLAYS AND WALL MOUNTED EQUIPMENT. RELOCATE EQUIPMENT PER PROPOSED PLANS. SEE IMAGE F. COORDINATE UTILITY RELOCATIONS WITH ENGINEERING DRAWINGS.
D20	REMOVE EXISTING DISPLAY CASE(S) SYSTEM IN ITS ENTIRETY, INCLUDING ASSOCIATED LIGHTING SYSTEM AND CONTROLS.
D21	REMOVE EXISTING FIRE EXTINGUISHER AND CABINET. STORE FOR REINSTALLATION.
D22	REMOVE LOCKERS, BASE AND TOPS AS INDICATED ON DRAWINGS.
D23	REMOVE CASEWORK/CABINETRY IN ITS ENTIRETY.
D25	REMOVE PLUMBING FIXTURES AS INDICATED. CAP PIPING FOR RECONNECTION WHERE INDICATED, OTHERWISE REMOVE BACK TO NEAREST VALVE OR CAP BELOW FINISHED SURFACES.
D26	REMOVE EXISTING SKYLIGHT. MAINTAIN EXISTING ROOF WARRANTY.

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HAMILTON, NJ 08691
PHONE: 609.394.2274

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SPIEZZE ARCHITECTURAL GROUP, INC. 2140200000

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DRAWING TITLE:

DEMOLITION PLAN

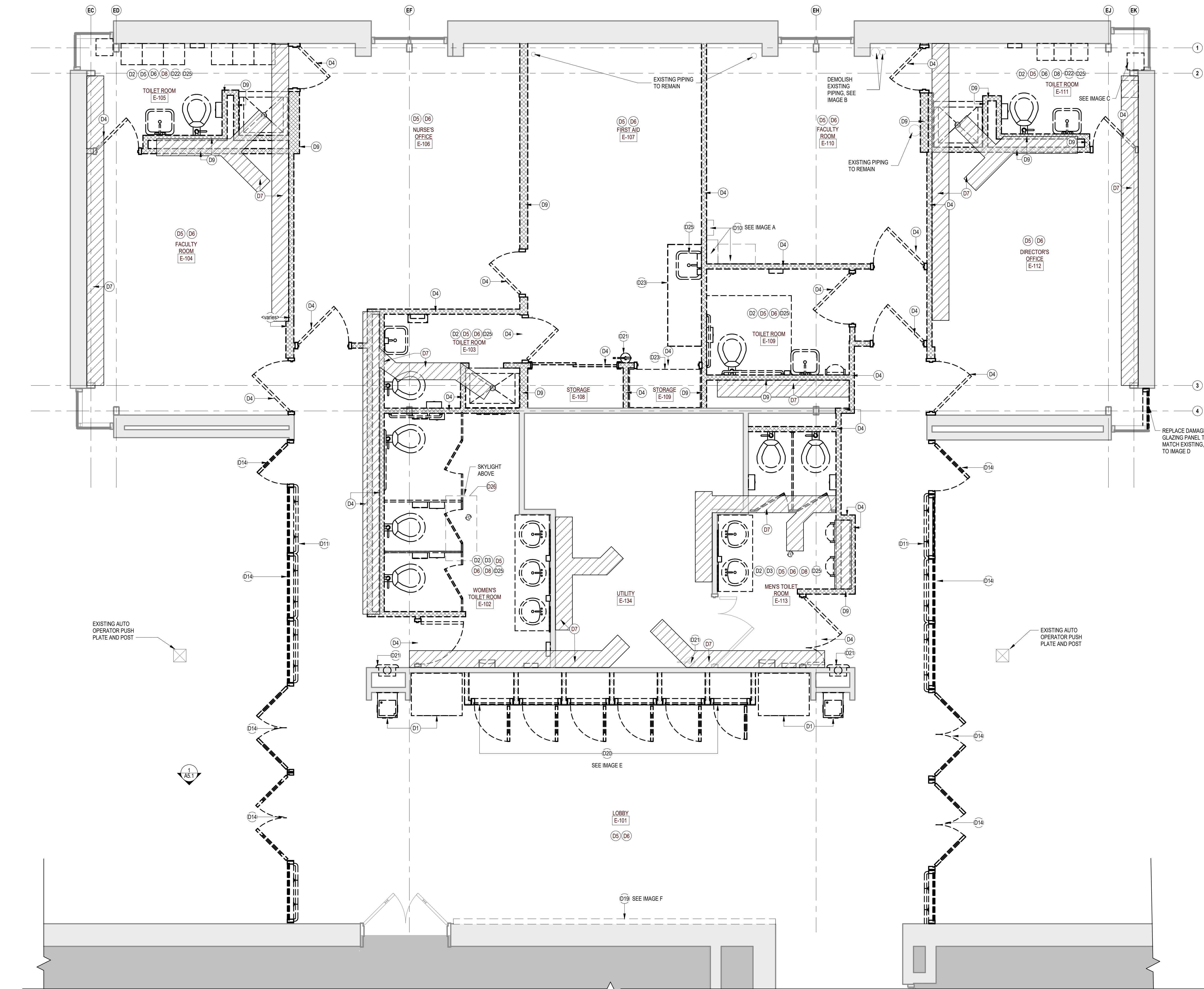
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DO NOT SCALE THE DRAWINGS

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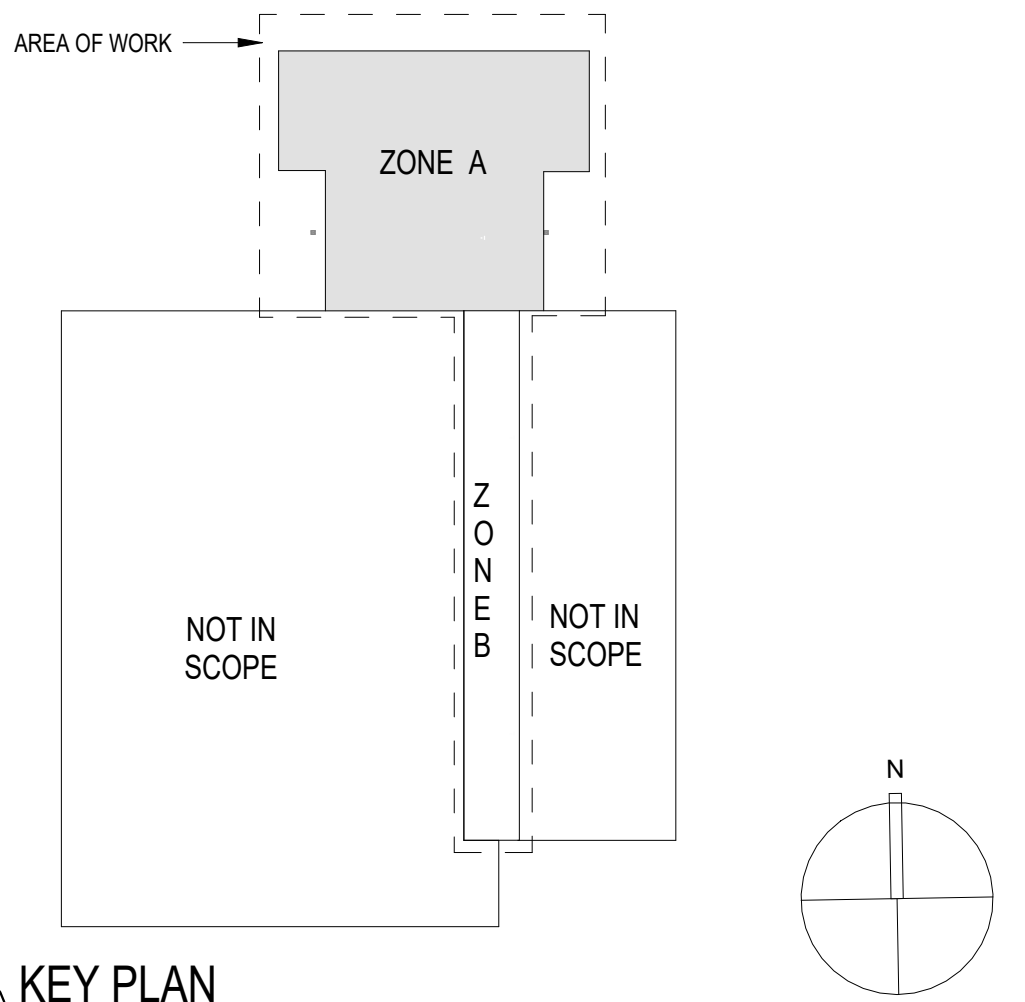
AD1.1



1 DEMOLITION PLAN

2 KEY PLAN

NOT TO SCALE



This architectural floor plan depicts a long, narrow corridor, labeled "CORRIDOR [E-27] 017", which runs vertically through the center of the layout. The corridor is flanked by various rooms and spaces. On the left side, there is a large room with a brick wall texture, a long narrow room, and a room with a staircase. On the right side, there are several rooms of varying sizes, some with brick walls, and a large room with a staircase. The plan includes numerous doors, windows, and architectural details such as walls, floors, and stairs. A north arrow is located at the bottom center of the plan.

-DEMO KEYNOTE LEGEND		
Key Value	Keynote Text	
D1	REMOVE EXISTING WATER FOUNTAINS AND STORE FOR REINSTALLATION. OWNER TO TEMPORARILY RELOCATE VENDING MACHINES UNTIL WORK IS COMPLETE.	
D2	REMOVE ALL TOILET ACCESSORIES AND RETURN TO THE OWNER.	
D3	REMOVE TOILET PARTITIONS AND RETURN TO THE OWNER.	
D4	REMOVE DOOR, FRAME AND HARDWARE IN ITS ENTIRETY.	
D5	REMOVE EXISTING SUSPENDED CEILING SYSTEM AND FIXTURES IN ITS ENTIRETY. SAFE-OF EXISTING CONDITIONS WHERE SCHEDULED TO BE REUSED OTHER THAN EXHAUSTIVE CONDUIT AND WIRING BACK TO NEAREST PANEL.	
D6	REMOVE EXISTING RESILIENT FLOOR FINISHES AND BASE IN THEIR ENTIRETY DOWN TO SUBSTRATES.	
D7	SAW-CUT AND REMOVE CONCRETE FLOOR FOR NEW PLUMBING. COORDINATE WITH NEW PIPING.	
D8	REMOVE EXISTING TILE FINISH AND PREPARE SUBSTRATE FOR NEW FINISH.	
D9	REMOVE EXISTING MASONRY WALLS IN THEIR ENTIRETY. COORDINATE EXISTENTS WITH NEW WORK.	
D10	REMOVE EXISTING PARTITIONING FOR ENGINEERING DRAWINGS. SEE IMAGE A	
D11	REMOVE HANDRAILS AND ASSOCIATED BRACKETS IN THEIR ENTIRETY.	
D14	REMOVE CURTAINWALL/STOREFRONT FRAMING AND GLAZING AS INDICATED. PROTECT EXISTING CURTAINWALL OPENINGS TO REMAIN.	
D15	REMOVE WAX AND POLISH. PREPARE EXISTING FLOOR TO RECEIVE NEWLY EXPOSED EXISTING BRICK BACK TO RECEIVE PRIMER AND PAINT. SECURE ANY LOOSE BRICKS	
D19	REMOVE EXISTING DISPLAYS AND WALL MOUNTED EQUIPMENT. RELOCATE EQUIPMENT FOR PROPOSED PLANS. SEE IMAGE F. COORDINATE UTILITY RELOCATIONS WITH ENGINEERING DRAWINGS	
D20	REMOVE EXISTING DISPLAY CASE(S) SYSTEM IN ITS ENTIRETY, INCLUDING ASSOCIATED LIGHTING SYSTEM AND CONTROLS	
D21	REMOVE EXISTING FIRE EXTINGUISHER AND CABINET. STORE FOR REINSTALLATION	
D22	REMOVE CASE/LOCKERS, BASE AND TOPS AS INDICATED ON DRAWINGS	
D23	REMOVE CASE/WORKCOUNTER IN ITS ENTIRETY	
D24	REMOVE PLUMBING FIXTURES AS INDICATED. CAP PIPING FOR RECONNECTION WHERE INDICATED. OTHERWISE REMOVE BRICK BACK TO NEAREST VAPOR OR CAP BEHIND EXPOSED SURFACES	
D25	REMOVE EXISTING SKYLIGHT. MAINTAIN EXISTING ROOF WARRANTY.	

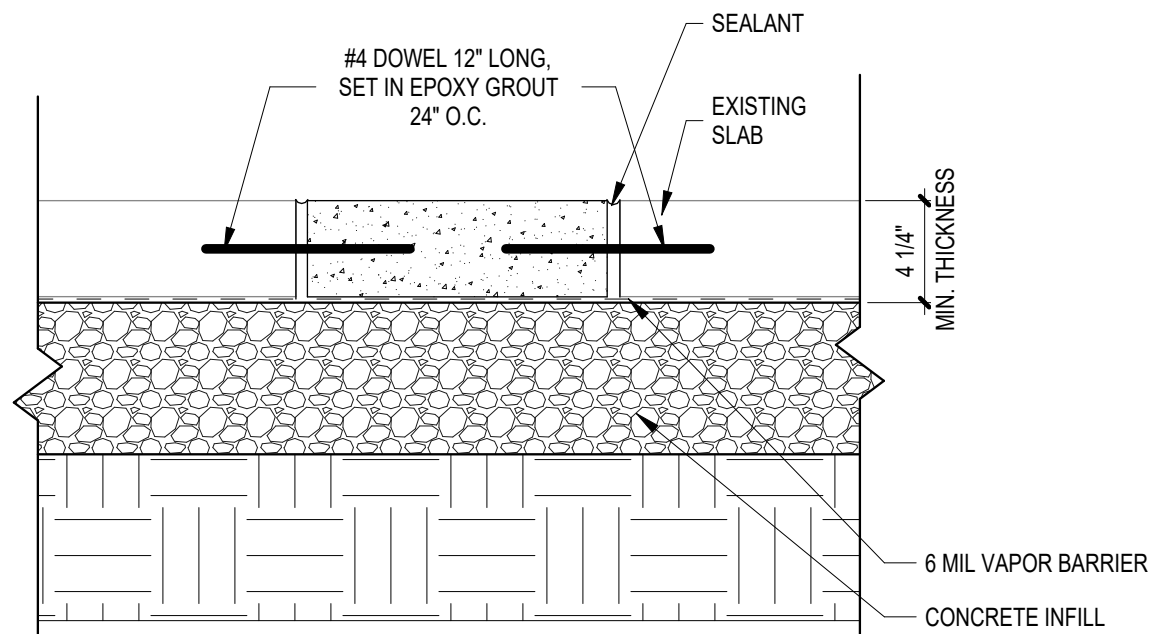


PLAN LEGEND

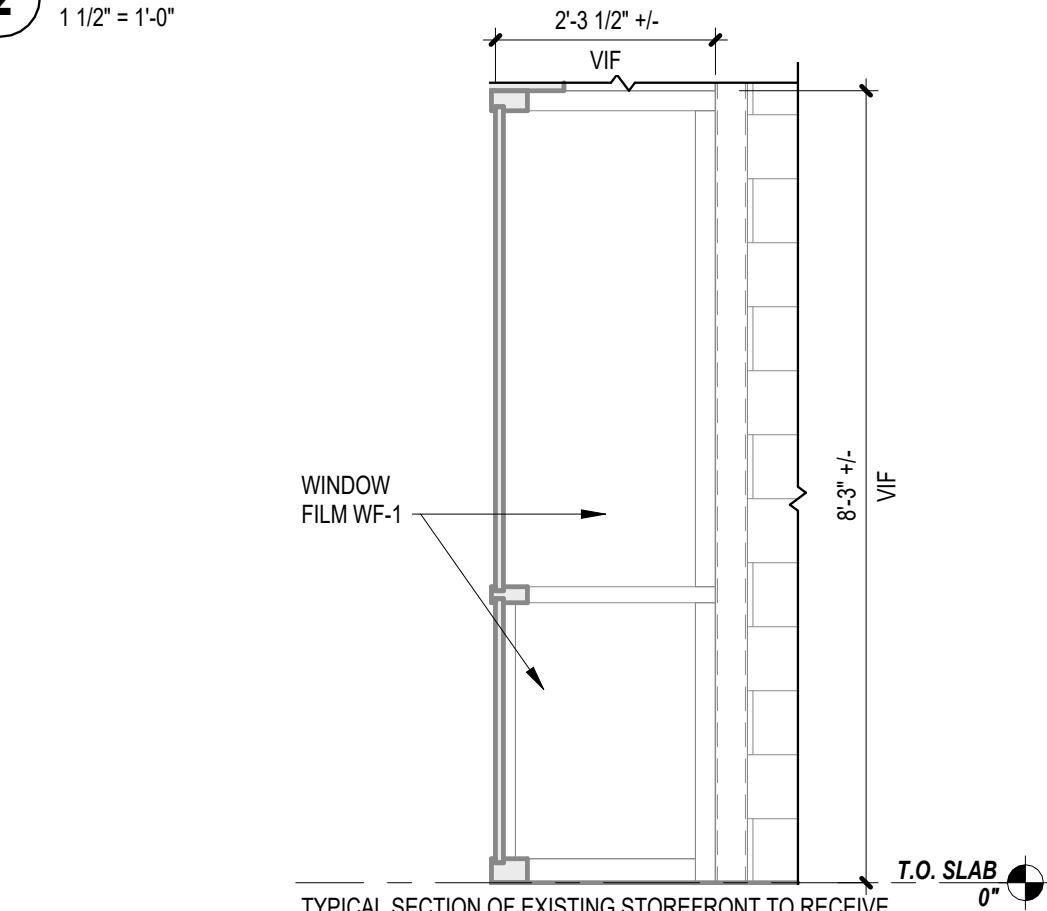
- PROPOSED METAL STUD WALL (SEE PARTITION TYPES)
- PROPOSED CMU WALL (SEE PARTITION TYPES)
- EXISTING WALL TO REMAIN
- PROPOSED DOOR
- EXISTING DOOR TO REMAIN

GENERAL NOTES

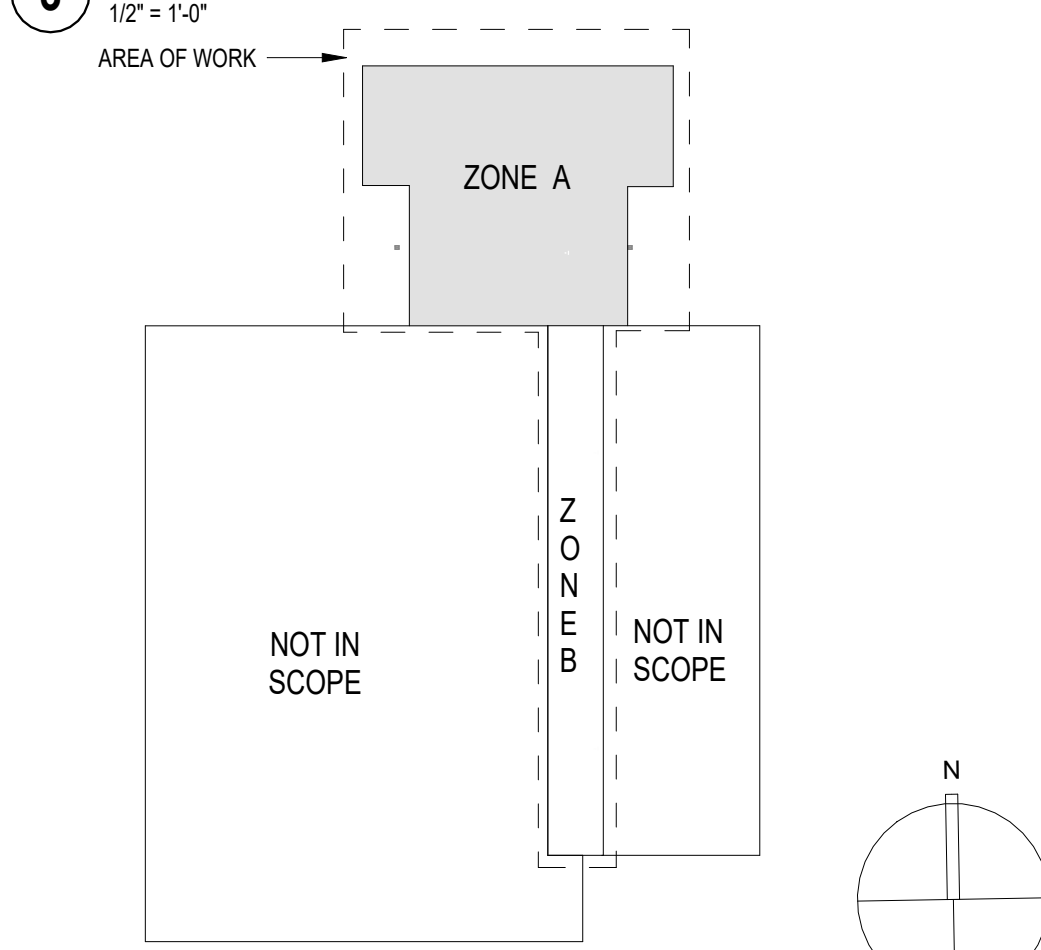
- ELEVATION AT TOP OF FINISHED FLOOR SLAB SHALL BE REFERENCED AS DATUM ELEVATION 0'-0".
- DO NOT SCALE THE DRAWINGS. IF A DIMENSION IS UNCLEAR OR A DISCREPANCY IS FOUND IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF WORK. WHERE FABRICATION IS REQUIRED, DIMENSIONS SHALL BE VERIFIED PRIOR TO THE PRODUCTION OF SHOP DRAWINGS.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STATUTES, AND REGULATIONS IN PERFORMANCE OF THE WORK.
- REFER TO THE FIRE RESISTANCE DIRECTORY (LATEST EDITION) BY UNDERWRITERS LABORATORIES FOR THE REQUIREMENTS OF ALL SPECIFIED FIRE RATED ASSEMBLIES. DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN A SIMILAR MANNER OR BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. MODIFICATIONS MAY BE REQUIRED BY THE CONTRACTOR TO ACCOMMODATE FOR MINOR VARIATIONS IN THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND INSTALLATION OF OWNER SUPPLIED EQUIPMENT AS IDENTIFIED IN THE DRAWINGS AND SPECIFICATIONS, INCLUDING THE RELOCATION OF EXISTING EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES AND COORDINATING WITH NEW WORK. ADVISE ARCHITECT/ENGINEER OF CONFLICTS PRIOR TO COMMENCEMENT OF WORK.
- ALL GRADING SHALL SLOPE AWAY FROM THE BUILDING.
- PRIOR TO POURING OF CONCRETE FOOTINGS, THE CONCRETE REINFORCEMENT STEEL SHALL BE GROUND AND BONDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) SECTION 250.40. A CONDUCTIVE REINFORCING BAR MEASURING AT LEAST 1/2" IN DIAMETER AND A MINIMUM OF 20 FEET IN LENGTH THAT IS ENCASED IN A MINIMUM OF 2" CONCRETE COVER SHALL SUFFICE FOR USE AS AN ELECTRODE.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE PROJECT AND SCHEDULING OF THE WORK CONDUCTED BY OTHER TRADES.
- THE CONTRACTOR SHALL CONSTRUCT CHASES AND/OR RECESSES AS SHOWN, AND AS REQUIRED TO CONCEAL THE WORK OF OTHER TRADES AS DIRECTED BY THE ARCHITECT TO MATCH ADJACENT CONSTRUCTION, REGARDLESS IF SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL LOOSE LINTELS FOR ALL WALL PENETRATIONS WIDER THAN 6" AS A RESULT OF DUCT, PIPE OR OTHER EQUIPMENT INSTALLATIONS.
- ALL WALL AND FLOOR PENETRATIONS SHALL BE PATIOTED AND SEALED BY THEIR RESPECTIVE TRADES.
- ALL FLOOR PENETRATIONS FOR PIPING AND CONDUIT SHALL BE SLEEVED AND SEALED.
- PARTITIONS SHALL BE LAID OUT STARTING FROM CONDITIONS WHERE ALIGNMENT WITH EXISTING CONSTRUCTION IS SHOWN, UNLESS OTHERWISE NOTED. DIMENSIONS ARE TAKEN TO THE FACE OF WALLS/PARTITIONS.
- DIMENSIONS TO MASONRY CONSTRUCTION ARE GIVEN TO THE NOMINAL FACE OF THE WALL. EXTERIOR MASONRY DIMENSIONS ARE TAKEN TO THE NOMINAL FACE OF THE WALL, UNLESS OTHERWISE NOTED. CLEAR DIMENSIONS SHALL BE TAKEN FROM THE FINISHED FACE OF WALLS.
- WALLS OVERLAPPING COLUMN LINES SHALL BE ASSUMED CENTERED ON THE COLUMN UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL FURNISH AND INSTALL BLOCKING IN FRAMED WALL ASSEMBLIES WHERE WALL MOUNTED ACCESSORIES, CABINETS OR OTHER ACCESSORIES ARE INDICATED.
- TERMINATE ALL INTERIOR WALLS TO THE UNDERSIDE OF DECKING, UNLESS OTHERWISE NOTED OR INDICATED BY SPECIFIC PARTITION TYPES.
- ALL OUTSIDE CMU CORNERS OF INTERIOR WALLS SHALL BE BULLNOSED, UNLESS OTHERWISE NOTED.
- PROVIDE ANGLED BLOCKS AND BRICKS FOR OUTSIDE CORNERS OF MASONRY WALLS OR OTHER SPECIAL SHAPES AVAILABLE FROM MANUFACTURER.
- REFER TO ROOM FINISH LEGEND AND PROJECT SPECIFICATIONS FOR FINISH REQUIREMENTS.



2 TYPICAL CONCRETE SLAB INFILL DETAIL



3 STOREFRONT SECTION



4 KEY PLAN

1 FLOOR PLAN

CODE REVIEW:

CERTIFICATE:



SPIEZZE ARCHITECTURAL GROUP INC.
1355 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609.394.2274

SIGNATURE:

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SCOTT E. DOANE 2140105400
STEVEN L. BROWN 2140117000
STEVEN G. BROWN 2140105000
JOHN F. WRIGHT 2140117000
SPIEZZE ARCHITECTURAL GROUP, INC. 2140208300

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

FLOOR PLAN

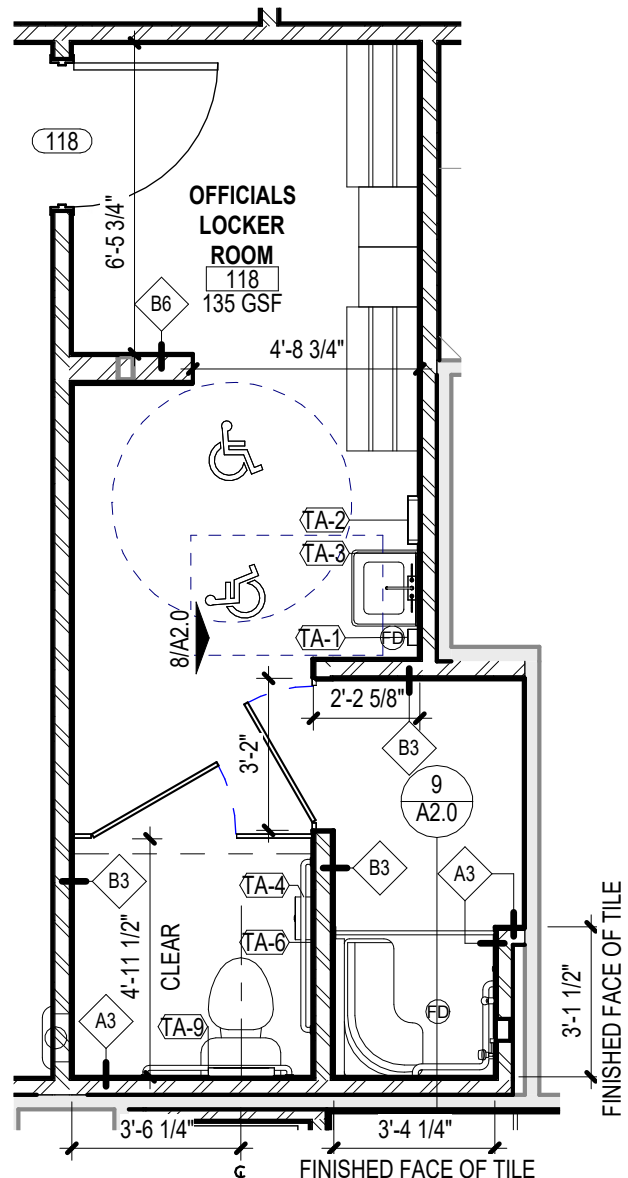
COMMISSION NUMBER:

25U012

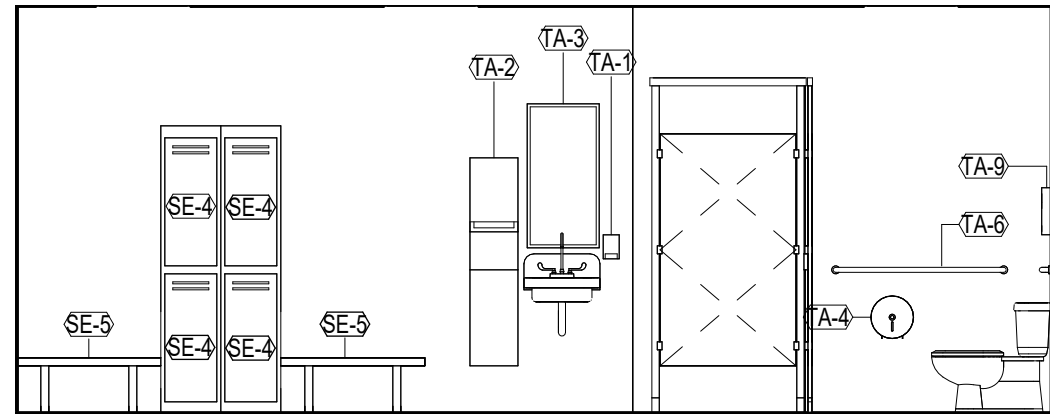
DO NOT SCALE THE DRAWINGS

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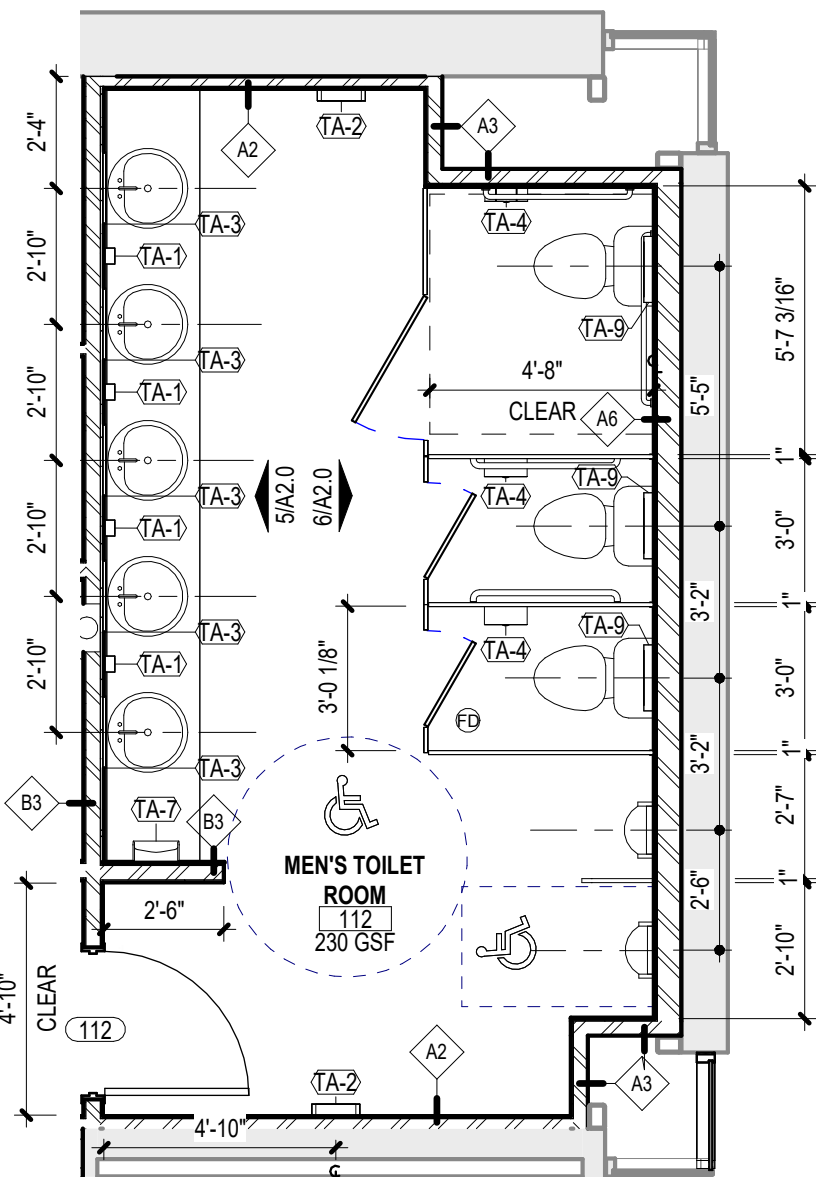
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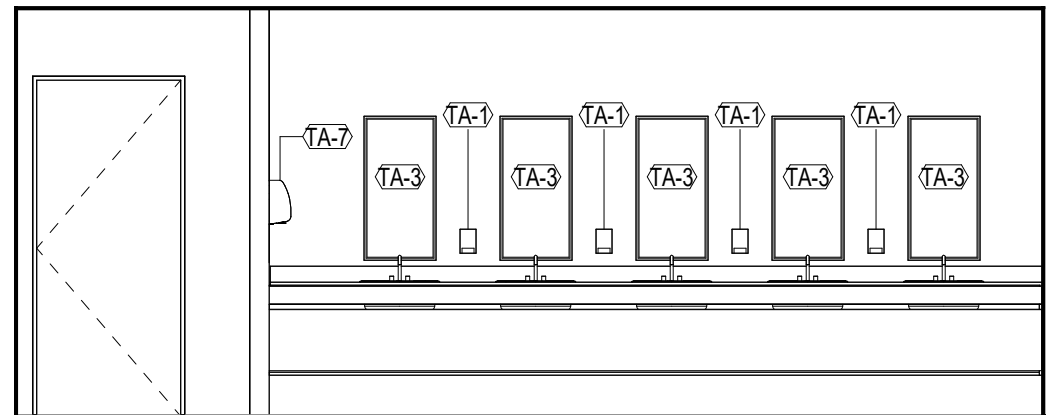
7 OFFICIALS LOCKER ROOM PLAN
1/4" = 1'-0"



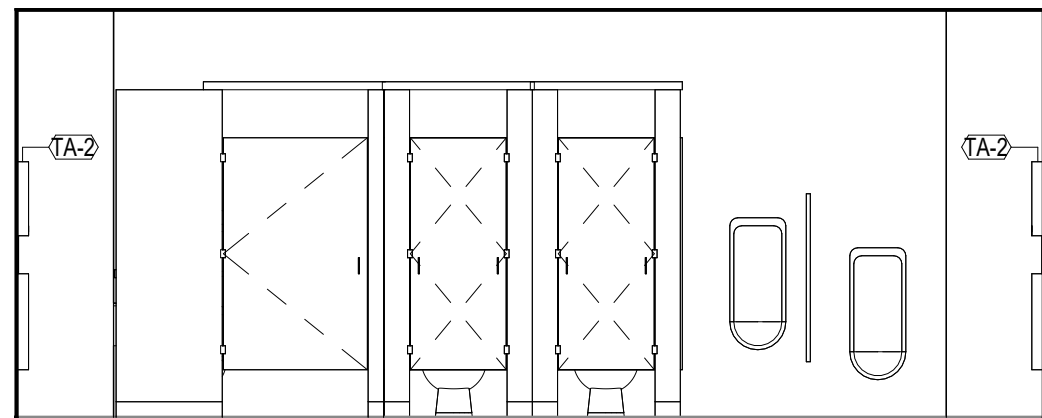
8 OFFICIALS LOCKER ROOM ELEVATION
1/4" = 1'-0"



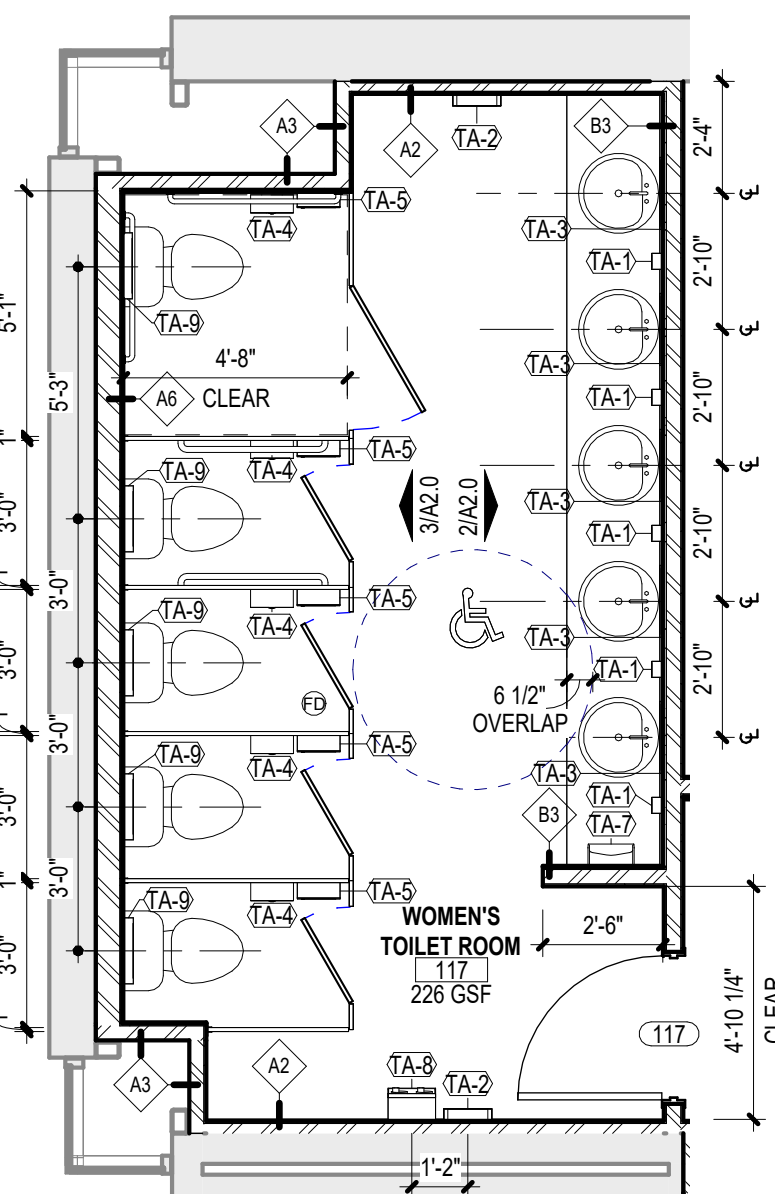
4 MEN'S TOILET ROOM PLAN
1/4" = 1'-0"



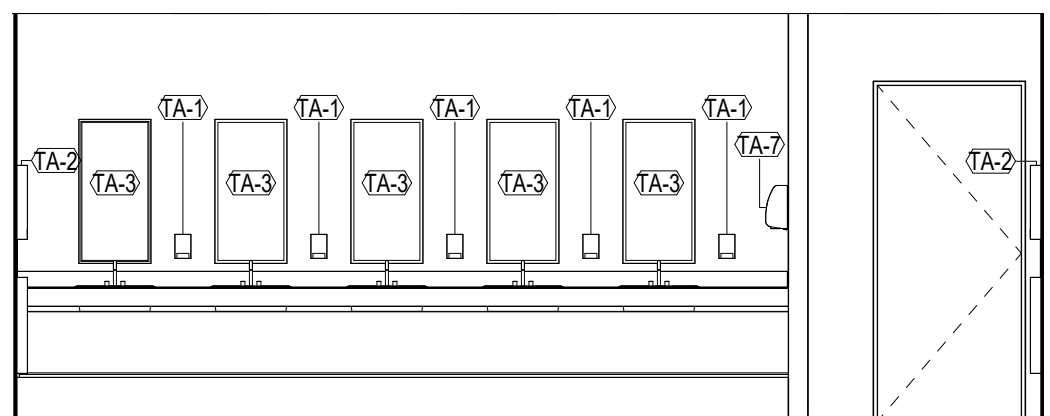
5 MEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"



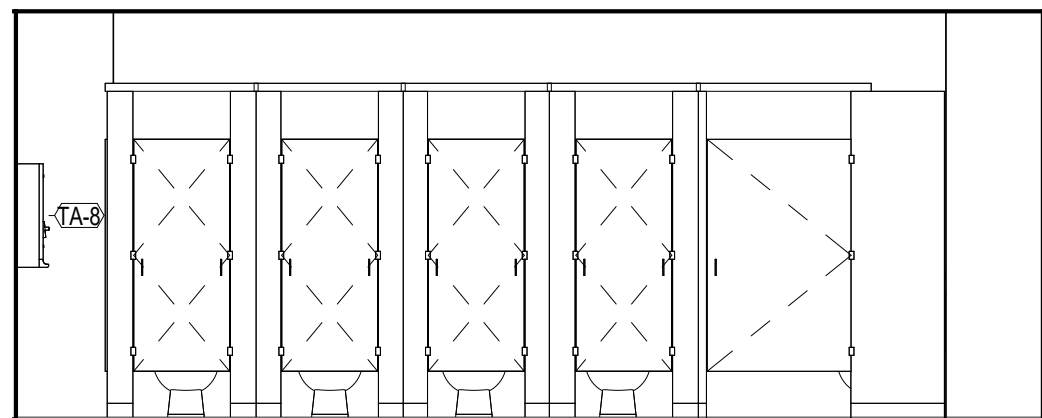
6 MEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"



1 WOMEN'S TOILET ROOM PLAN
1/4" = 1'-0"



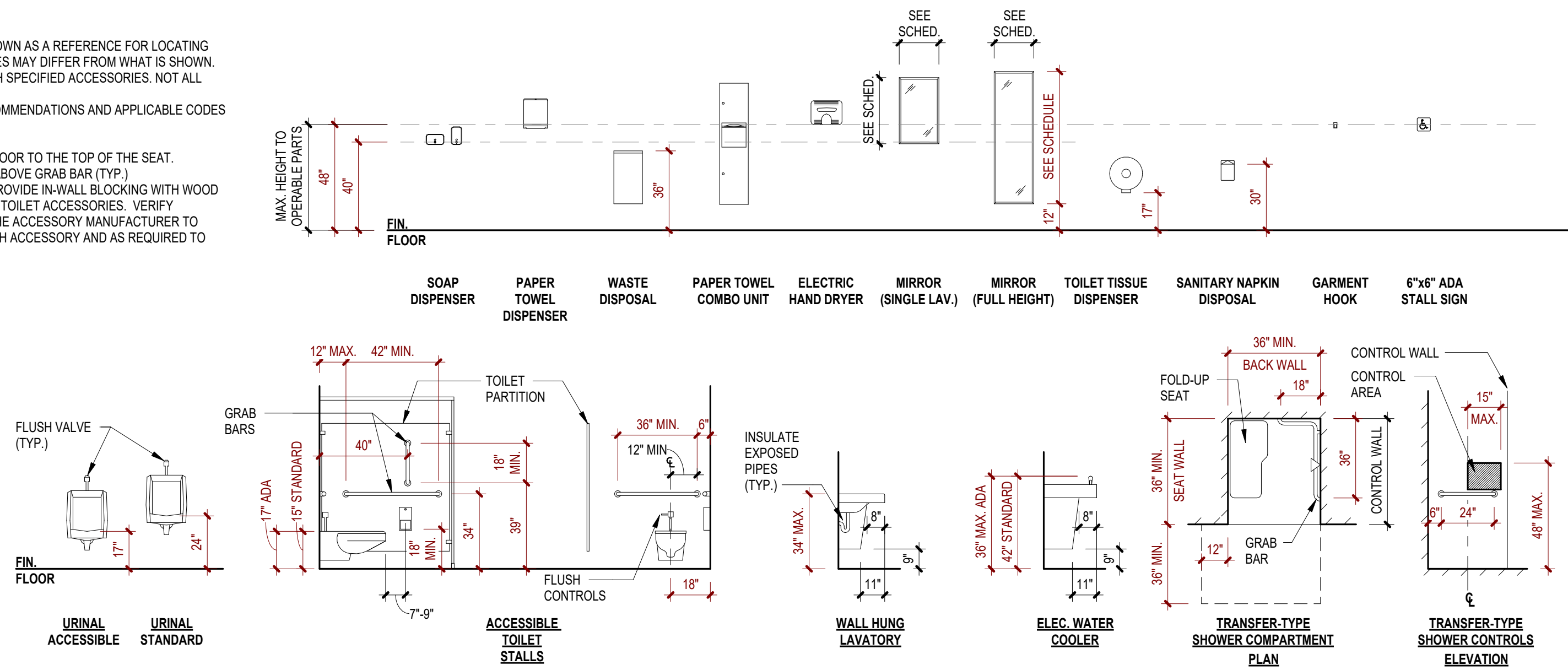
2 WOMEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"



3 WOMEN'S TOILET ROOM ELEVATION
1/4" = 1'-0"

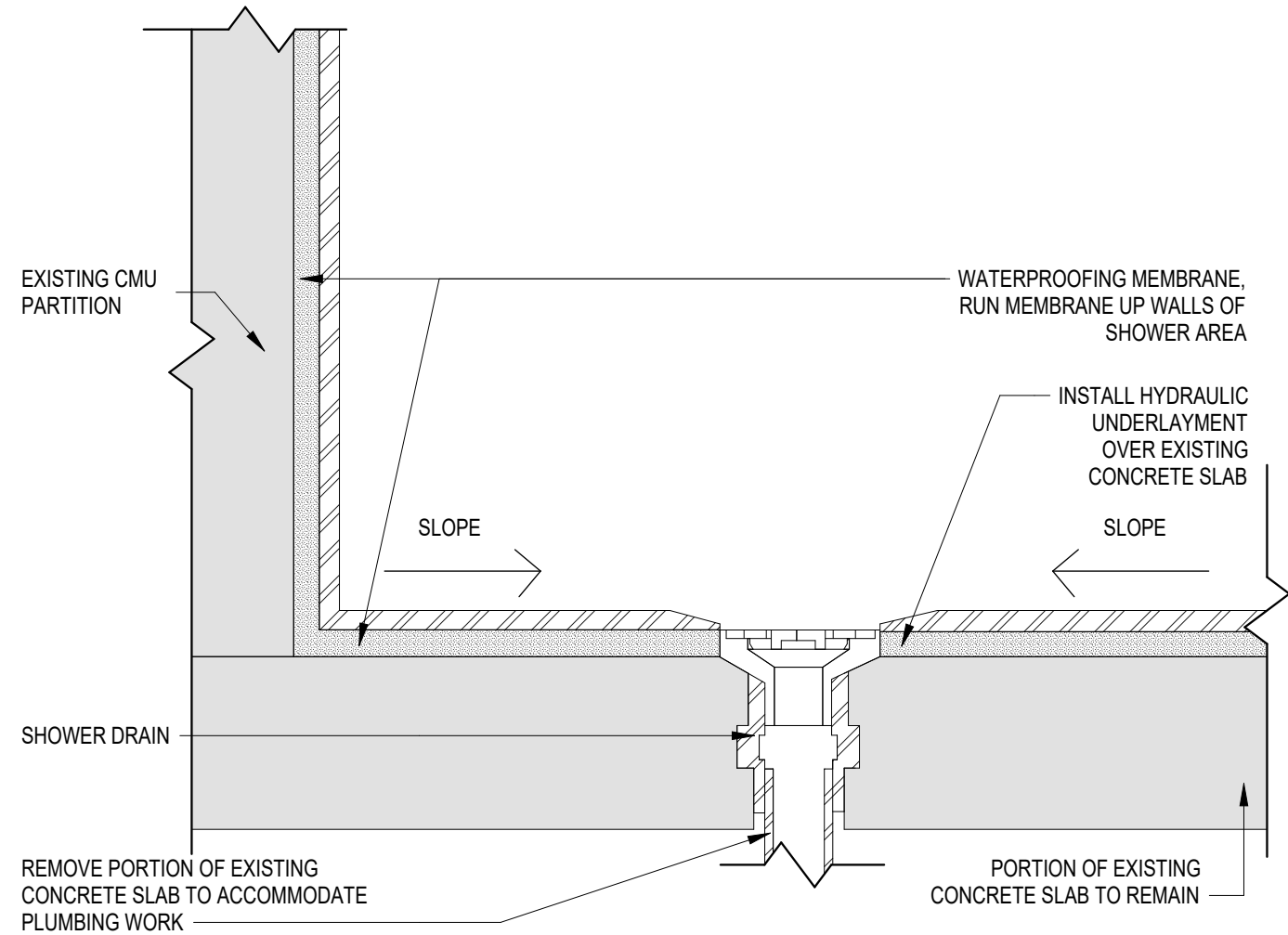
STANDARD TOILET ACCESSORY MOUNTING HEIGHTS

- NOTES:**
1. FIXTURES AND ACCESSORIES SHOWN IN THIS DIAGRAM ARE SHOWN AS A REFERENCE FOR LOCATING FIXTURES AND ACCESSORIES ONLY. ACTUAL SPECIFIED FIXTURES MAY DIFFER FROM WHAT IS SHOWN. CONTRACTOR SHALL COORDINATE INDICATED DIMENSIONS WITH SPECIFIED ACCESSORIES. NOT ALL ACCESSORIES MAY BE USED.
 2. FIXTURES SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES AND REGULATIONS.
 3. WRAP ALL EXPOSED PIPING.
 4. HEIGHT OF WATER CLOSETS ARE MEASURED FROM FINISHED FLOOR TO THE TOP OF THE SEAT.
 5. DISPENSERS SHALL BE 1'-12" MINIMUM BELOW OR 12" MINIMUM ABOVE GRAB BAR (TYP.).
 6. AT FRAMED WALL ASSEMBLIES WHETHER INDICATED OR NOT, PROVIDE IN-WALL BLOCKING WITH WOOD OR METAL STRAPPING IN FRAMED CONSTRUCTION TO SUPPORT TOILET ACCESSORIES. VERIFY SUBSTRATES AND PROVIDE BLOCKING AS RECOMMENDED BY THE ACCESSORY MANUFACTURER TO ADEQUATELY SUPPORT THE DESIGN LOADS REQUIRED FOR EACH ACCESSORY AND AS REQUIRED TO MAINTAIN PRODUCT WARRANTY.

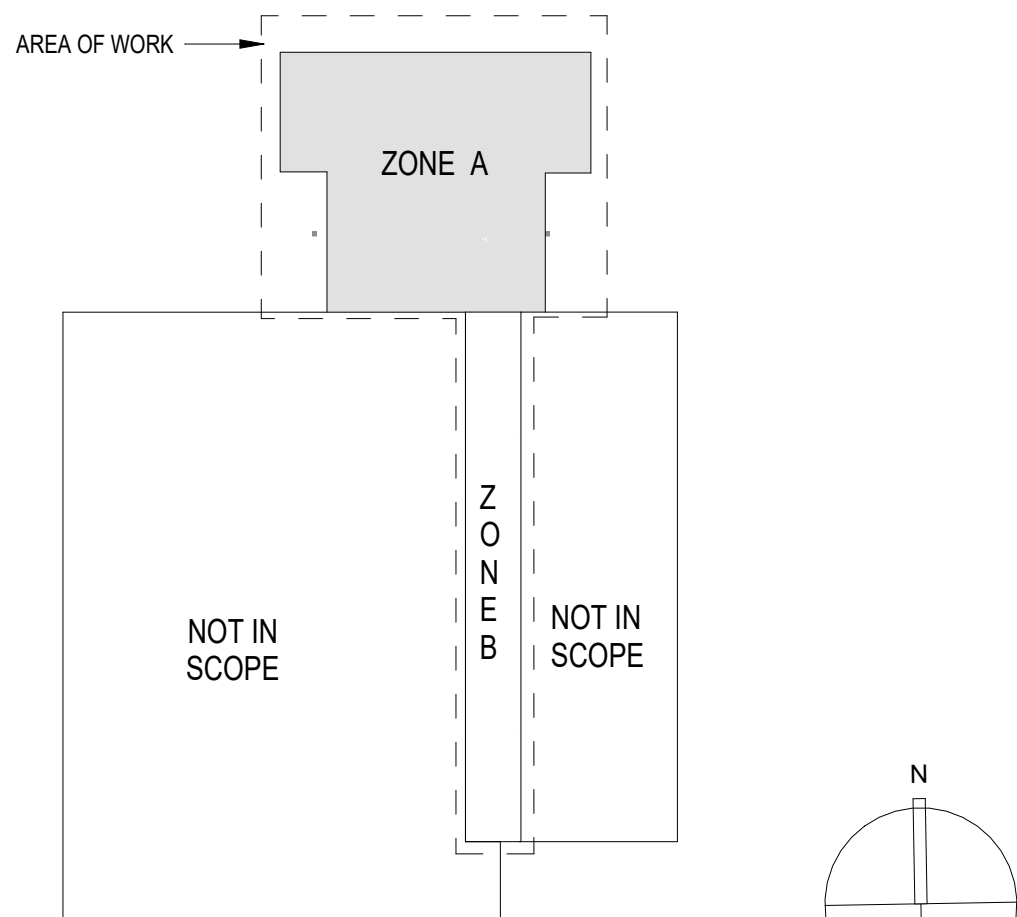


TOILET ACCESSORY LEGEND

	DESCRIPTION	MOUNTING TYPE	MANUF.	MODEL #	FURNISHED BY	INSTALLED BY	COMMENTS
TA-1	SOAP DISPENSER	WALL MOUNT	HILLYARD	HIL22281	CONTRACTOR	CONTRACTOR	
TA-2	TOWEL DISPENSER AND WASTE RECEPTACLE	RECESSED	BRADLEY	2A25	CONTRACTOR	CONTRACTOR	
TA-3	MIRROR	WALL MOUNT	ASI	IR20	CONTRACTOR	CONTRACTOR	
TA-4	TOILET TISSUE DISPENSER	WALL MOUNT	RENDOWN	REN05151B	CONTRACTOR	CONTRACTOR	
TA-5	SANITARY NAPKIN DISPOSAL	WALL MOUNT	ALPINE	451-SSB	CONTRACTOR	CONTRACTOR	
TA-6	GRAB BAR SET	WALL MOUNT	BOBRICK	HB-6806	CONTRACTOR	CONTRACTOR	
TA-7	AUTOMATIC HAND DRYER	WALL MOUNT	DYSON	NICKEL-HU02	CONTRACTOR	CONTRACTOR	
TA-8	SANITARY NAPKIN DISPENSER	RECESSED	ASI	04B	CONTRACTOR	CONTRACTOR	
TA-9	DISPENSER, TOILET SEAT COVER	WALL MOUNT	ALPINE	ALP453	CONTRACTOR	CONTRACTOR	



9 SHOWER DRAIN DETAIL
1 1/2" = 1'-0"



10 KEY PLAN
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:

spiezie

SPIEZZE ARCHITECTURAL GROUP INC.
1395 YAROVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
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SIGNATURE:

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SCOTT E. DOANE 2140105440
STEVEN L. BROWN 2140117000
STEVEN G. BROWN 2140105040
JOHN F. WRIGHT 2140117000
SPIEZZE ARCHITECTURAL GROUP, INC. 2140308000

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

TOILET ROOM PLANS AND ELEVATIONS

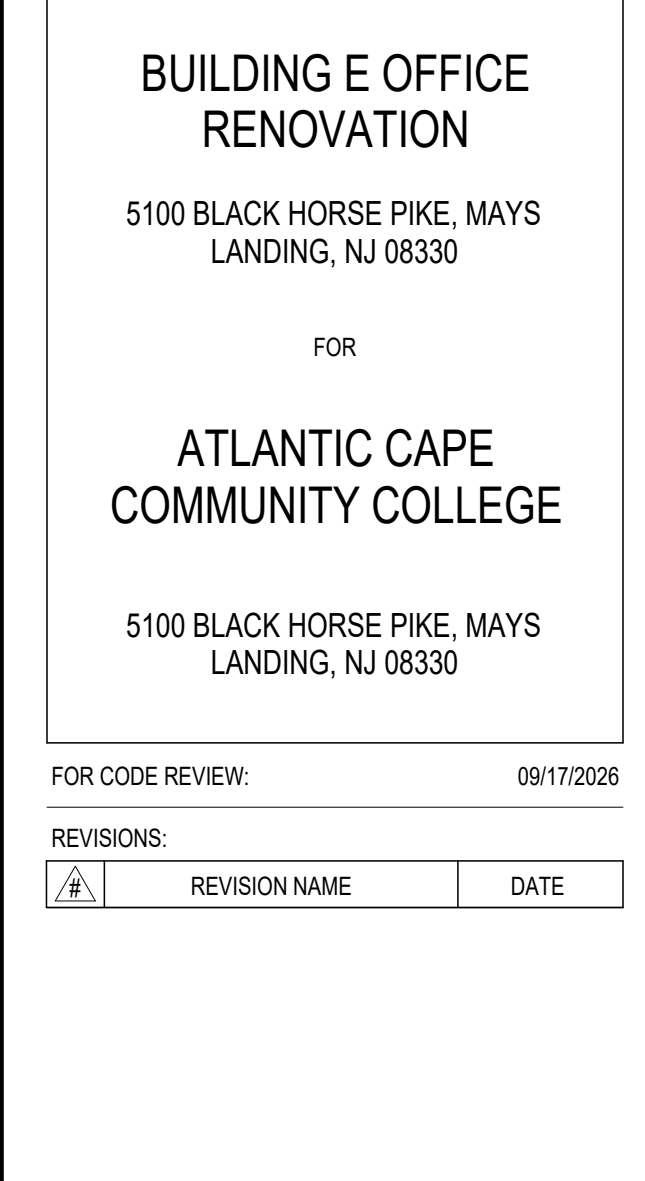
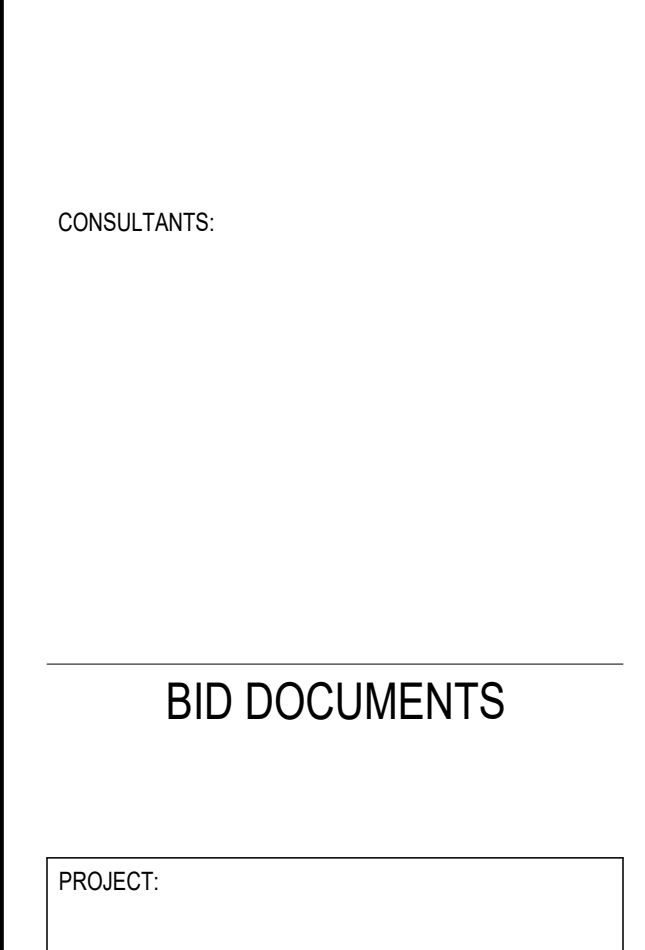
COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

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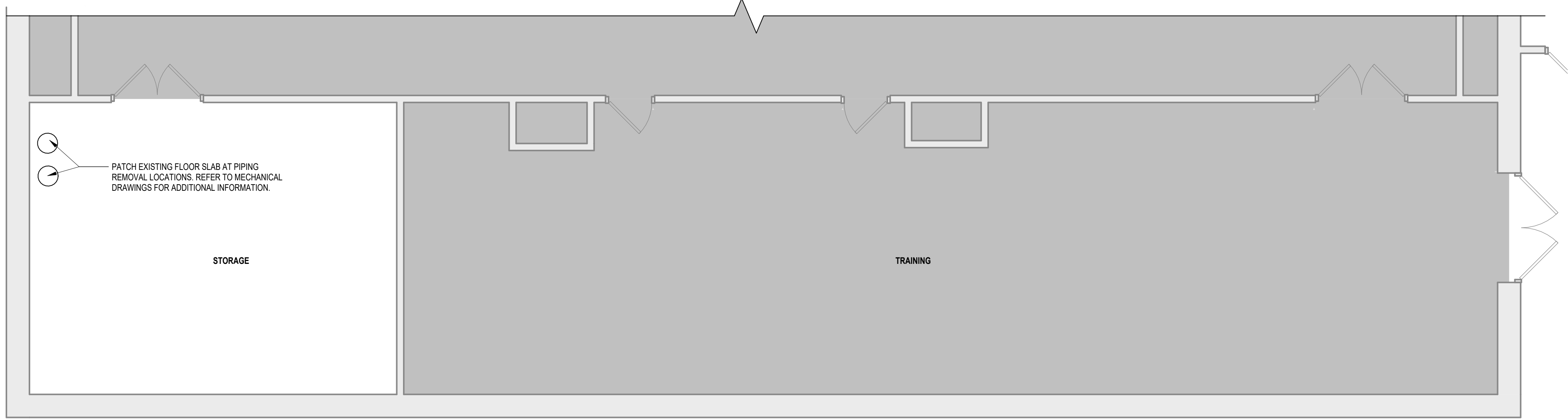
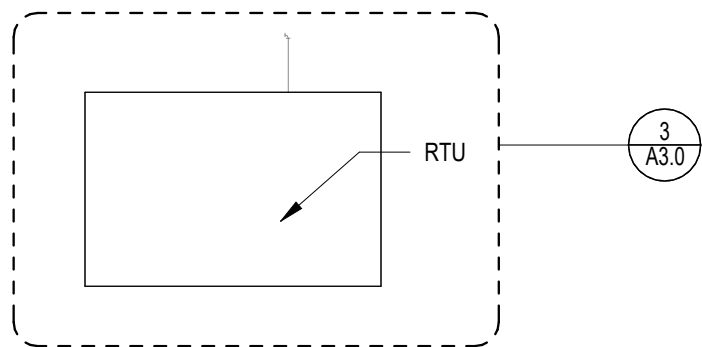
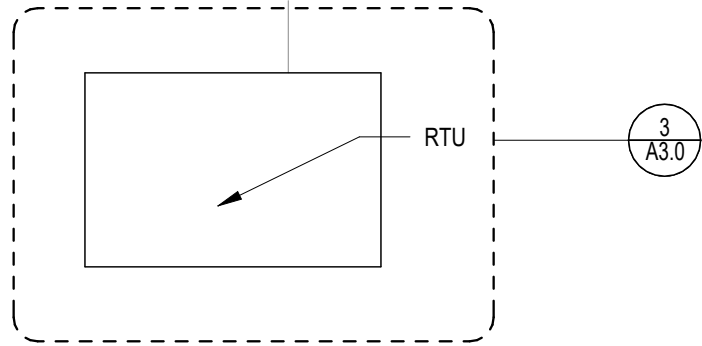
A2.0



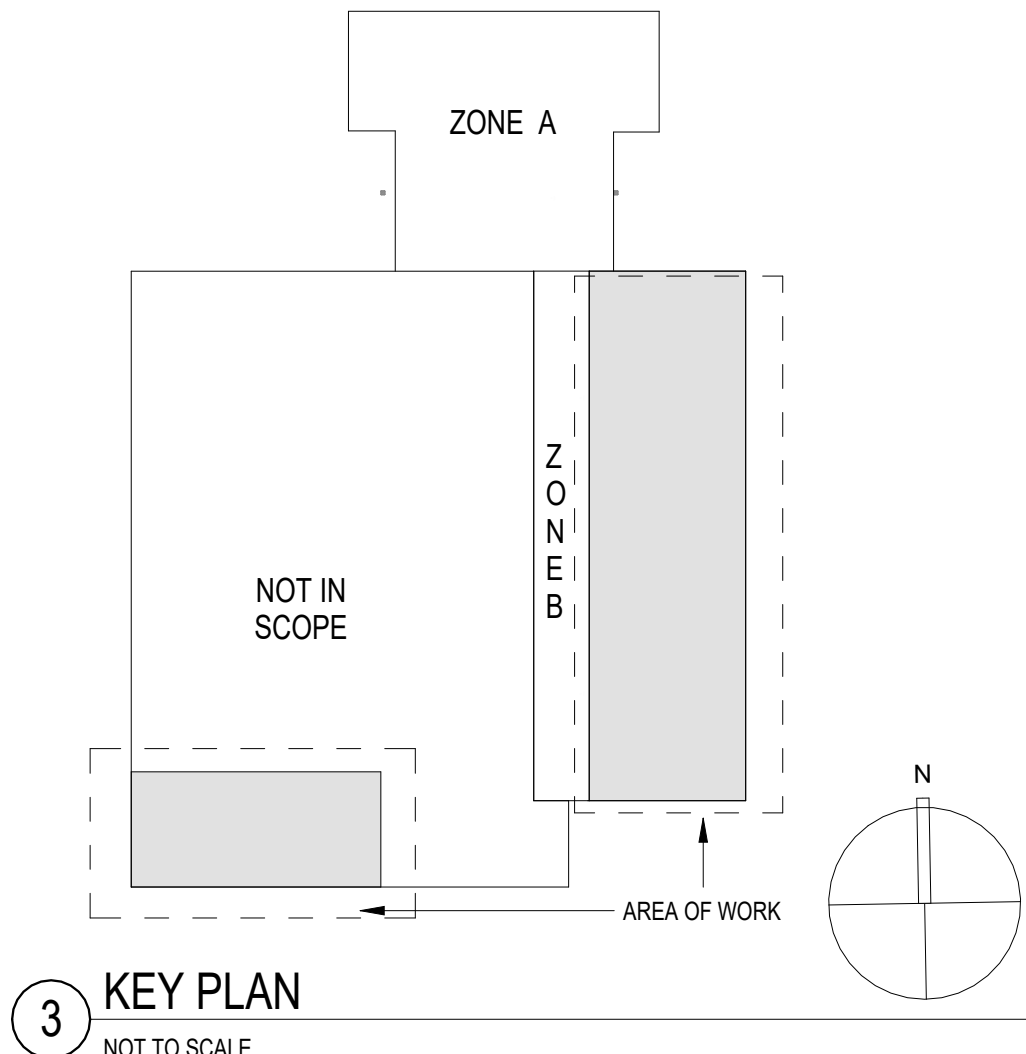
1/16"=1'-0"
1/8"=1'-0"
1/4"=1'-0"
1/2"=1'-0"
3/4"=1'-0"
1"=1'-0"
1 1/2"=1'-0"
2"=1'-0"
3"=1'-0"
4"=1'-0"
6"=1'-0"
8"=1'-0"
12"=1'-0"
16"=1'-0"
24"=1'-0"

1 ROOF PLAN
1/4" = 1'-0"

RTU



2 MEZZANINE PLAN
1/4" = 1'-0"



3 KEY PLAN
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1355 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
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SCOTT E. DOANE
STEVEN L. LONE
STEVEN G. BEGLI
JOHN F. WISGUT
SPIEZLE ARCHITECTURAL GROUP, INC.

21401050400
21401050400
21401101000
21401050400
21401101000
21403000000

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE
RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

ROOF PLAN

COMMISSION NUMBER:

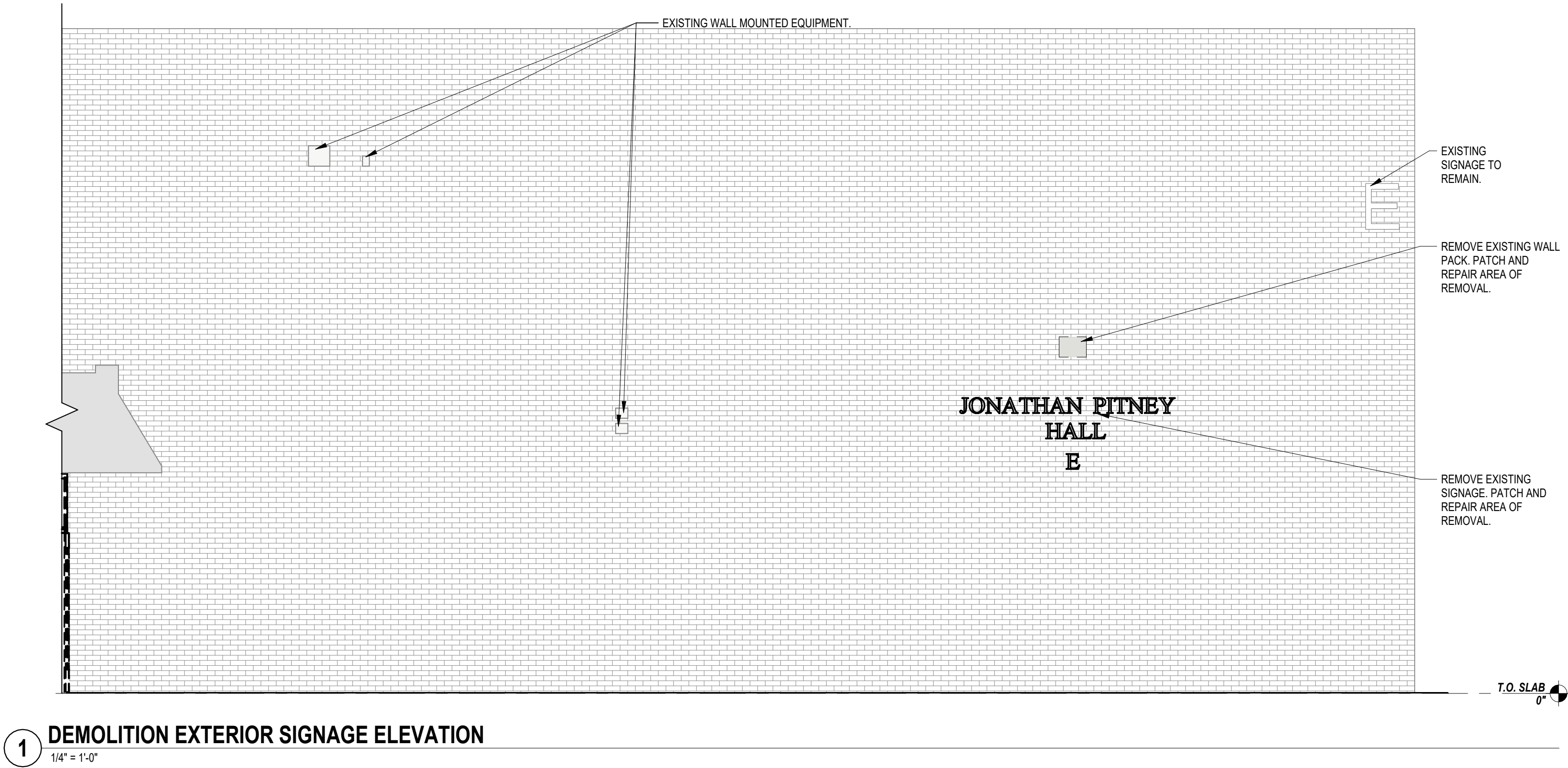
25U012

DO NOT SCALE THE DRAWINGS

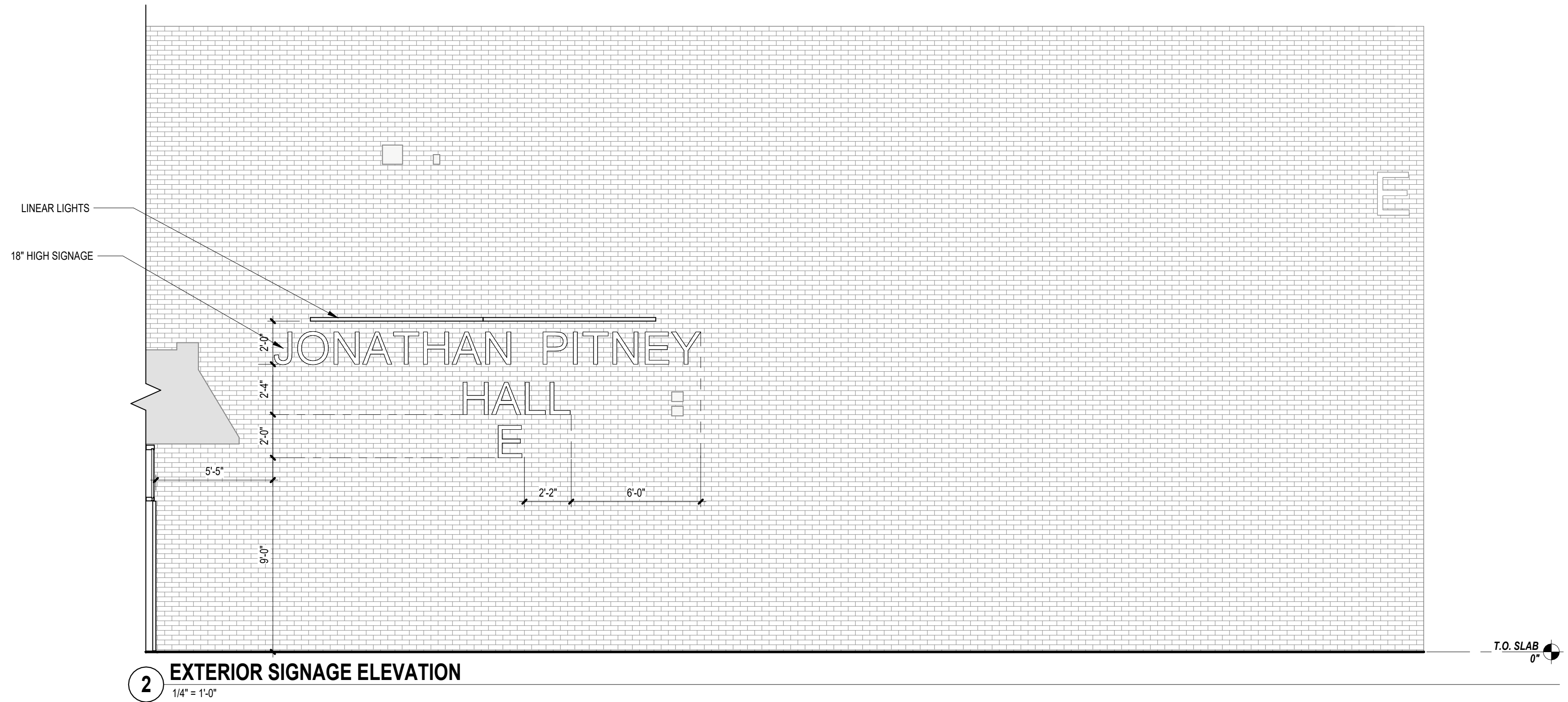
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A3.1

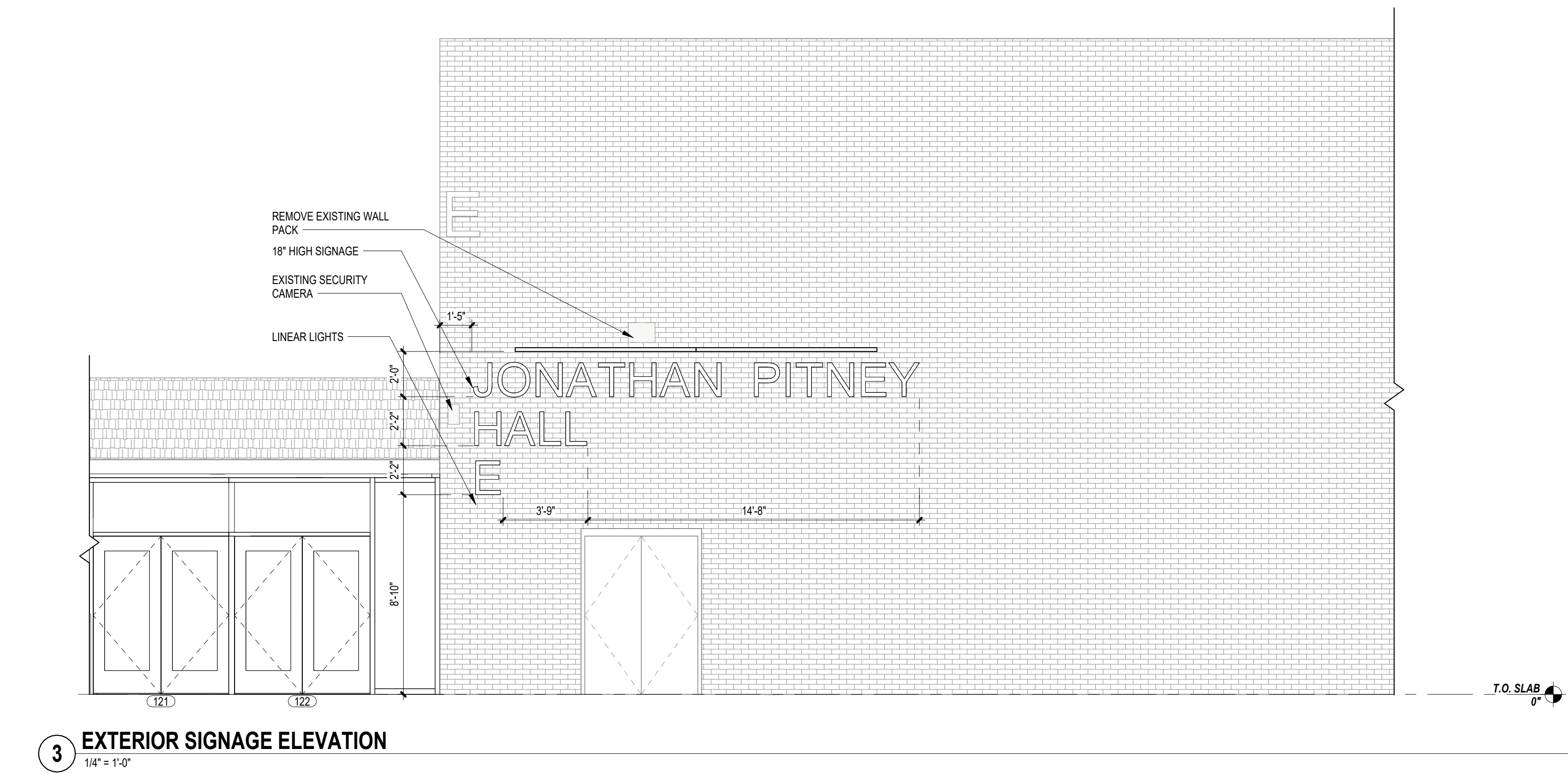
3' = 1'-0"
1 1/2" = 1'-0"
1" = 1'-0"
3/4" = 1'-0"
1/2" = 1'-0"
1/4" = 1'-0"
1/8" = 1'-0"
1/16" = 1'-0"



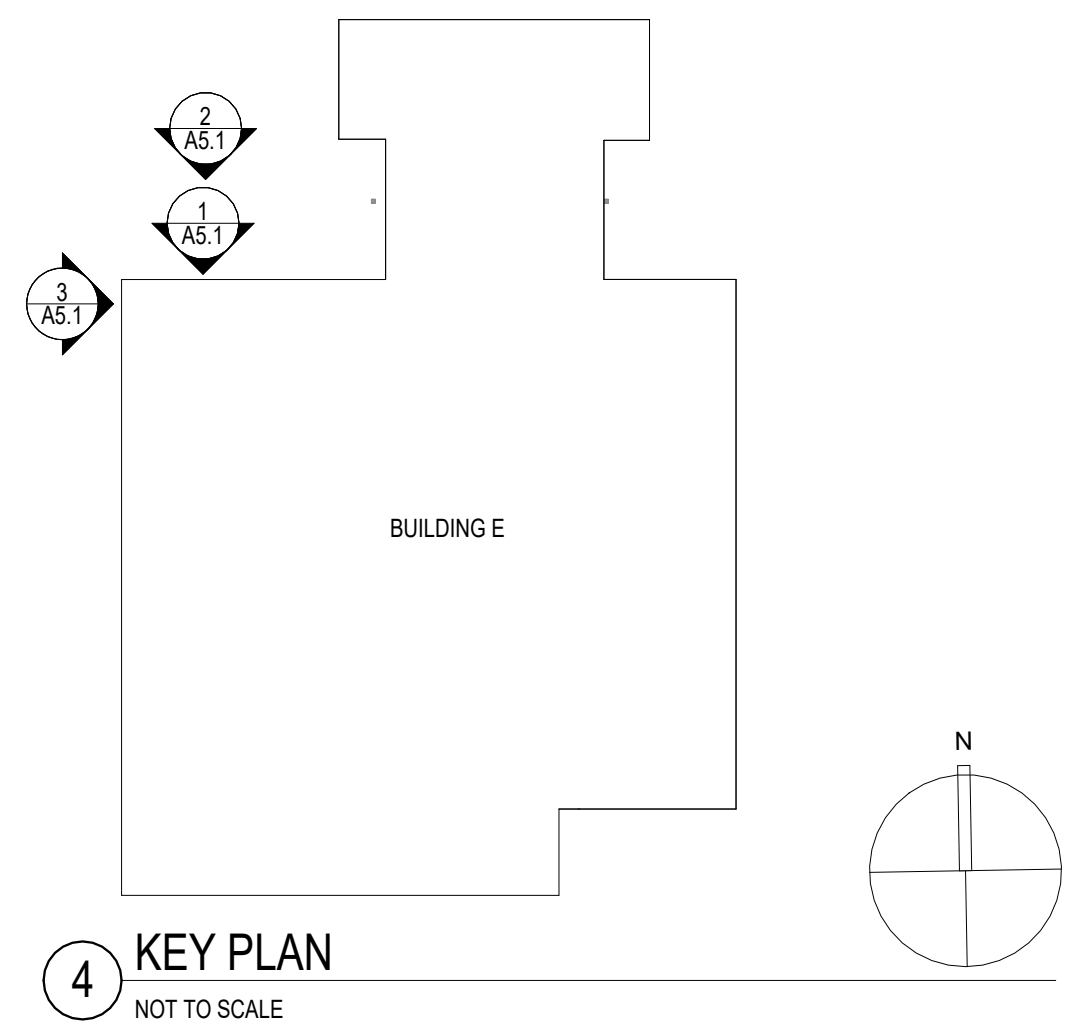
1 DEMOLITION EXTERIOR SIGNAGE ELEVATION
1/4" = 1'-0"



2 EXTERIOR SIGNAGE ELEVATION
1/4" = 1'-0"



3 EXTERIOR SIGNAGE ELEVATION
1/4" = 1'-0"



4 KEY PLAN
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:



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SUITE 2A
HAMILTON, NJ 08691
PHONE: 609.394.2274

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SCOTT E. DOANE 21401050400
STEVEN L. BROWN 21401050400
STEVEN G. BROWN 21401050400
JOHN F. WRIGHT 21401050400
SPIEZLE ARCHITECTURAL GROUP, INC. 21401050400

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

EXTERIOR ELEVATIONS

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

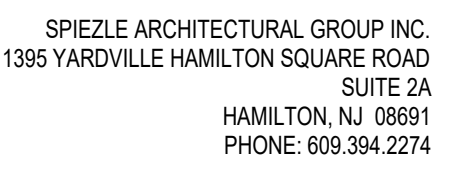
DRAWING NUMBER:

A5.1

CASEWORK / MILLWORK NOTES

1. CASEWORK OR OTHER FURNITURE SHOWN DASHED INDICATES EQUIPMENT OR FURNITURE TO BE SUPPLIED BY THE OWNER OR OWNER'S VENDOR. UNLESS OTHERWISE NOTED
2. REFUR TO A-2 DWS FOR DESIGNATION OF TOILET ACCESSORIES.
3. PLASTIC LAMINATE CASEWORK AND MODEL NUMBERS ARE BASED ON TMJ SYSTEMS CASEWORK COLLECTION
4. ALL LAMINATES SHOWN WITH VERTICAL GRAIN PATTERN.
5. OUTSIDE FASCIA CORNERS TO BE MITERED.
6. ALL EXPOSURE RISE PANELS ON WALL, CABINETS AND LIGHT VALENCES TO BE ONE PIECE OF LAMINATE.
7. ALL SINK FRONTS TO ALIGN WITH ADJACENT DOOR AND DRAINAGE FACE.
8. THERE SHOULD NOT BE A VERTICAL MILLJIN IN CABINETS WITH DOUBLE DOORS, 24" WIDE.
9. SEE CASEWORK ELEVATIONS FOR LAMINATE SEAM LOCATIONS.
10. ALL OUTSIDE CORNER TOP CORNERS TO HAVE A 2" RADIUS.

CERTIFICATE:



SIGNATURE: _____

THOMAS S. PERRINO
SCOTT E. DOWNE
STEVEN LEONE
STEVEN G. SIEGEL
JOHN F. WRIGHT
SPIEZLE ARCHITECTURAL

SEAL:

CONSULTANTS:

PROJECT:

OR

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

	REVISION NAME	DATE
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FOR BID: 09/17/2026

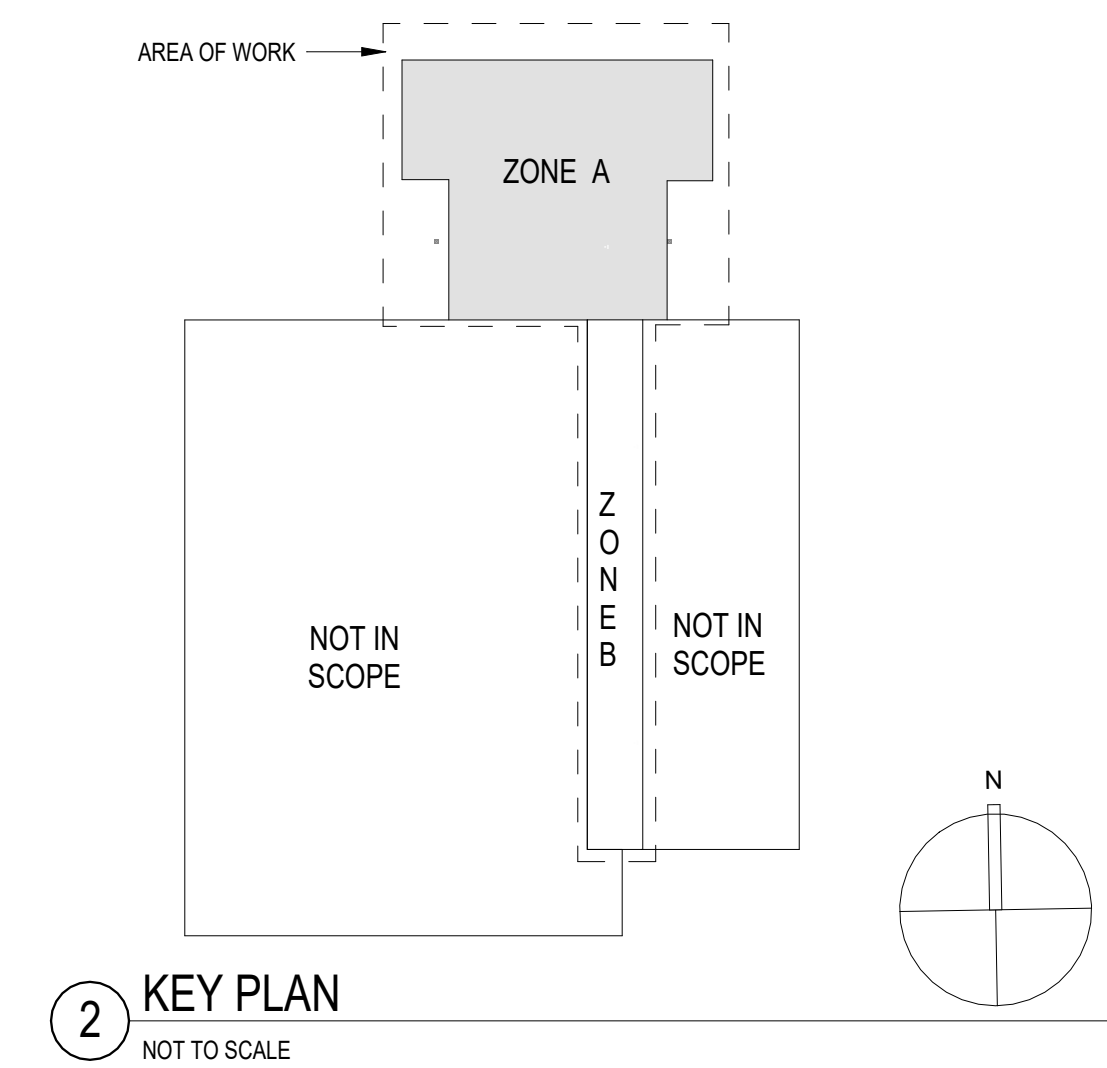
DRAWING TITLE:

COMMISSION NUMBER:

DO NOT SCALE THE DRAWINGS

DO NOT SCALE THE DRAWINGS

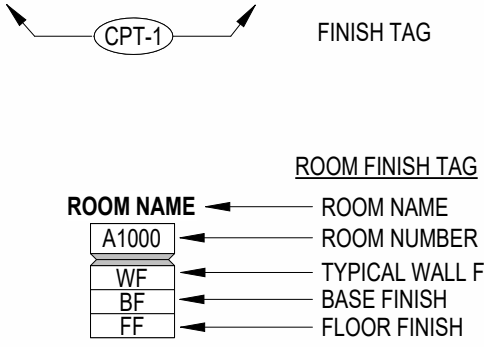
A8.1



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

2 KEY PLAN
NOT TO SCALE

GENERAL FINISH NOTES:



- NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
- CONTACT INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND AND/OR SPECIFICATIONS OR IF COLOR AND/OR FINISH IS NOT SPECIFIED.
- REFER TO FINISH LEGEND AND PLAN FOR GENERAL FINISHES.
- REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRODUCT LEAD TIMES TO ENSURE DELIVERY THAT MEETS THE PROJECT SCHEDULE.
- THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND CONFIRM QUANTITIES PRIOR TO ORDERING PRODUCTS. IN THE EVENT OF CONTRADICTORY INFORMATION CONTACT THE INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
- ALL MATERIALS SHALL BE INSTALLED USING MANUFACTURERS RECOMMENDED INSTALLATION METHODS AND ADHESIVES.
- WARRANTY INFORMATION AND INSTRUCTIONS OF MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED TO THE OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
- THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
- ALL SUBSTRATE SURFACES ARE TO BE PROPERLY PREPARED TO RECEIVE FINISH MATERIALS. CONTRACTOR IS NOT TO APPLY FINISHES UNTIL SUBSTRATE IS PREPARED PER MANUFACTURERS WRITTEN INSTRUCTIONS FOR ALL INSTALLATIONS OR APPLICATIONS.
- PAINT GRILLS, WALL DIFFUSERS, ELECTRICAL PANELS, WALL MOUNTED BOXES, ACCESS PANELS, ETC., WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR IF THE ITEM IS ON A WALL-COVERED WALL, PROVIDE A CUSTOM PAINT COLOR USED TO MATCH. SUBMIT TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL.
- ALL DIRECTIONAL LAMINATES SHOULD RUN WITH THE VERTICAL GRAIN PATTERN UNON.
- ALL WALL PAINT TO BE EGGSHELL FINISH UNON.
- ALL METAL AND PAINTED TRIM TO BE SEMI-GLOSS ENAMEL FINISH UNON.
- INSTALL DIRECTIONAL WALLCOVERING ORIENTED AS SPECIFIED IN ELEVATION.
- ALL VINYL/RUBBER BASE TO BE ROLLED GOODS, NOT LINEAR 4" LENGTHS, UNON.
- FINISHES INDICATED ON "ROOM FINISH TAG" ARE INCLUSIVE OF ALL RESPECTIVE SURFACES IN ROOM (UNLESS OTHERWISE NOTED) WHETHER OR NOT INDICATED ON PLANS OR ELEVATIONS.

FLOOR FINISH NOTES:

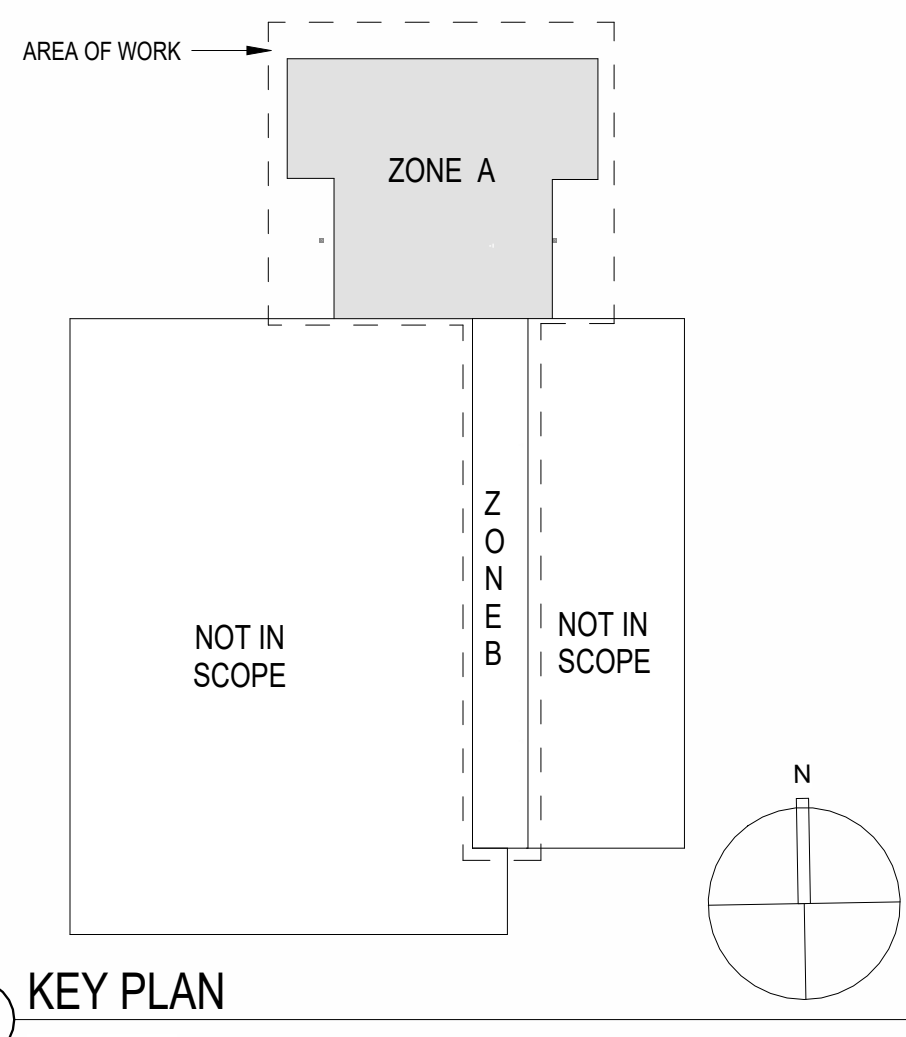
- PROVIDE SHOP DRAWING LAYOUT SHOWING ALL FLOOR PATTERN LOCATIONS, GRAIN DIRECTION AND SEAMING DIAGRAM.
- INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN.
- REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
- ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UNON.
- IN A WALL OPENING WITHOUT HINGES REFER TO FINISH PLANS FOR TRANSITION LOCATION OF WRAPPED MATERIALS.
- FLASH PATCH THE FLOOR AT TRANSITION OF ALL MATERIALS. PROVIDE TRANSITION STRIPS AS NECESSARY. SUBMIT TRANSITIONS TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL. ALL FLOORING TRANSITIONS MUST ADHERE TO THE AMERICANS WITH DISABILITIES ACT.

CEILING NOTES - FOR ALL PROJECTS:

- ALL NEW GWB CEILINGS/SOFFITS TO BE PAINTED CP-1 UNLESS OTHERWISE NOTED.

LVT KEY LEGEND

LVT-1	
LVT-2	
LVT-3	
LVT-4	



1 FINISH PLAN

3/8" = 1'-0"

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
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PHONE: 609.394.2274

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STEVEN G. BROWN 2140105000
JOHN F. WRIGHT 2140105000
SPIEZLE ARCHITECTURAL GROUP, INC. 2140300000

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

FINISH PLANS AND INTERIOR ELEVATIONS

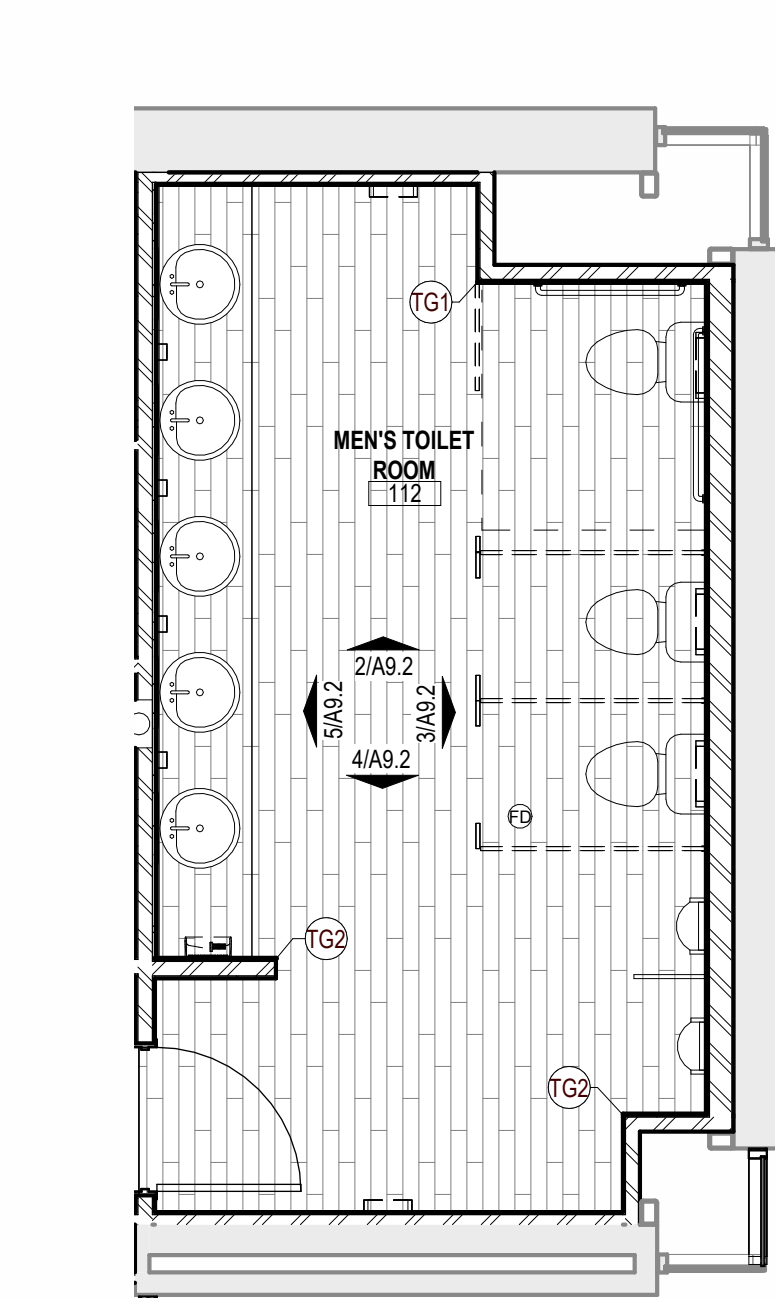
COMMISSION NUMBER:

25U012

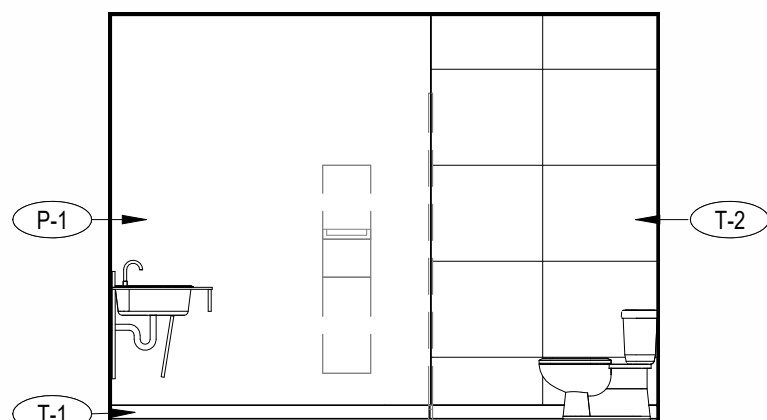
DO NOT SCALE THE DRAWINGS

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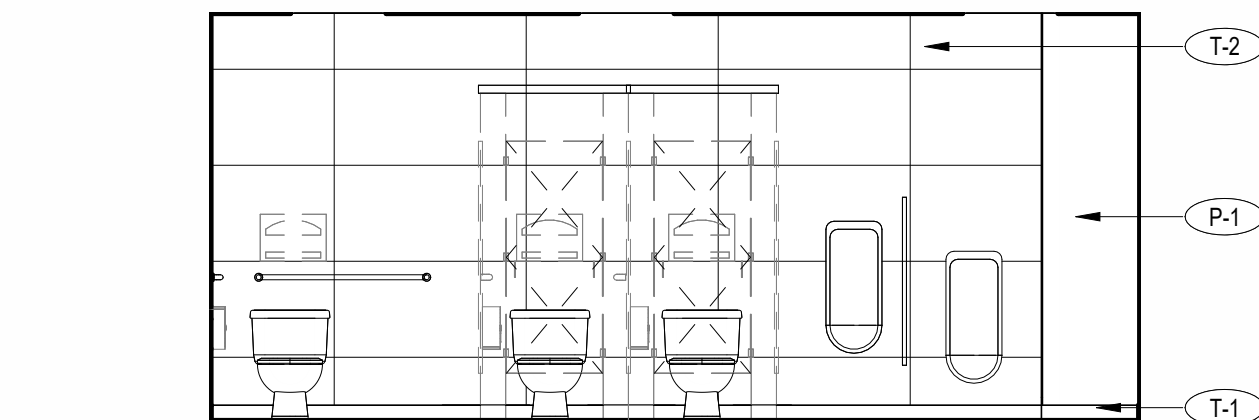
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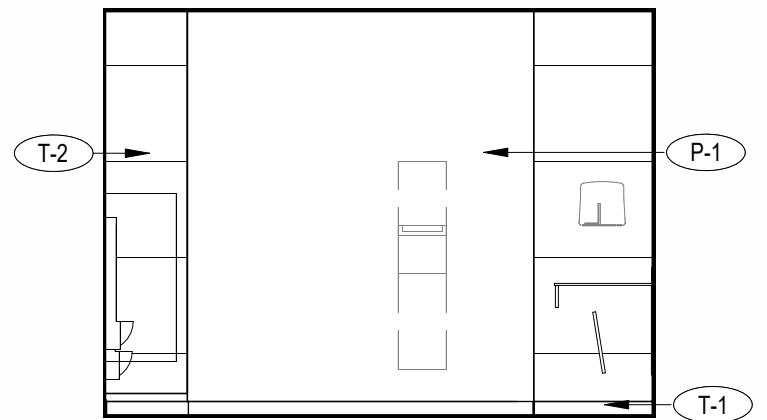
1 MEN'S TOILET PLAN
1/4" = 1'-0"



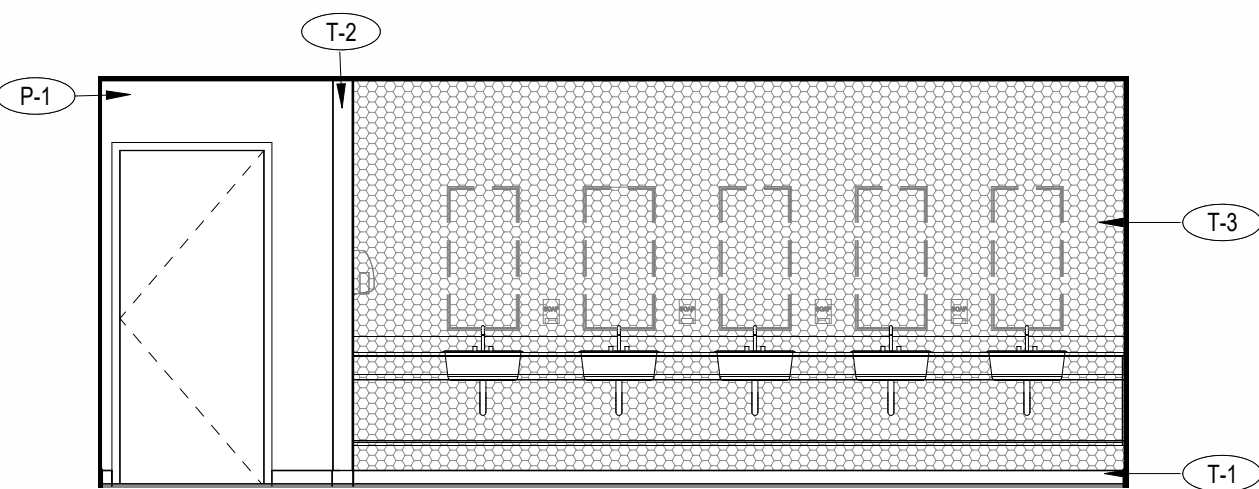
2 TOILET ROOM ELEVATION
1/4" = 1'-0"



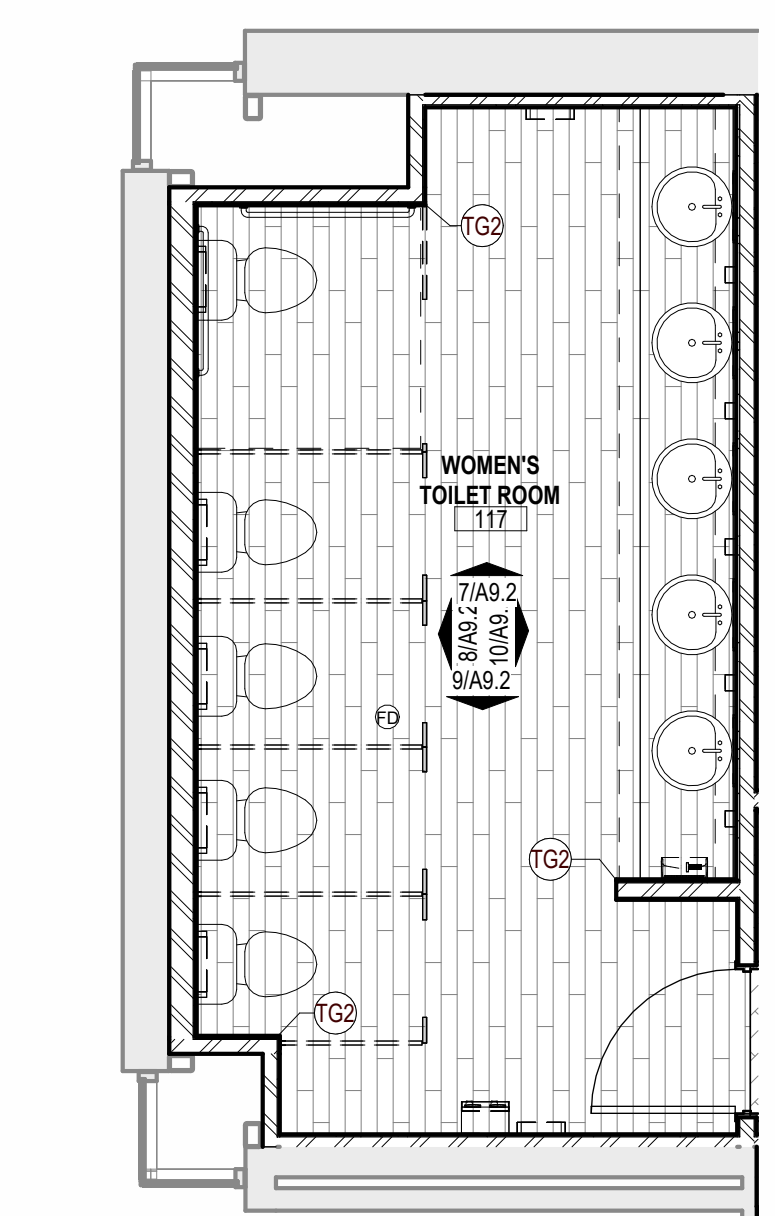
3 TOILET ROOM ELEVATION
1/4" = 1'-0"



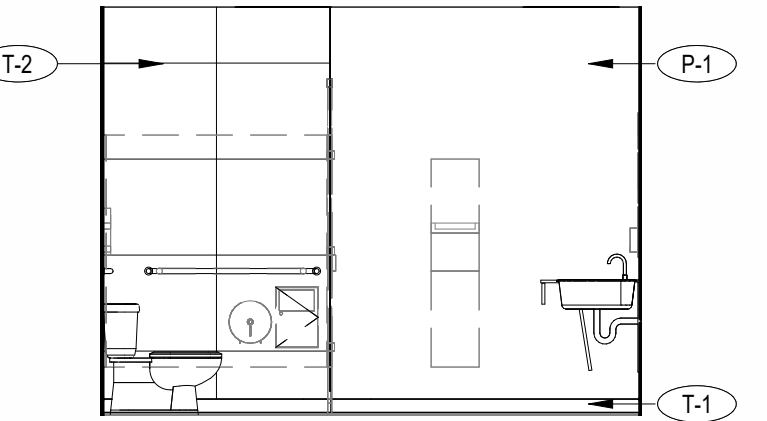
4 TOILET ROOM ELEVATION
1/4" = 1'-0"



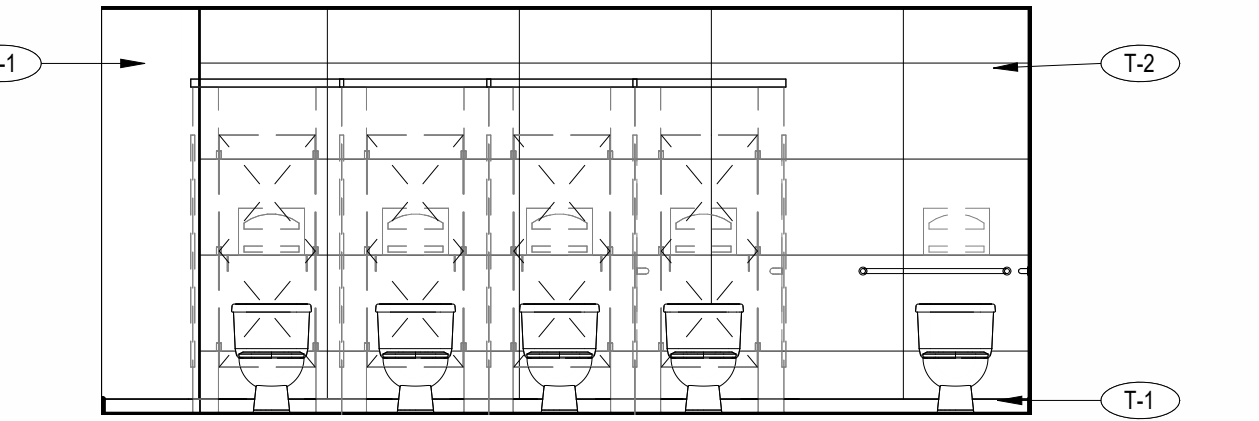
5 TOILET ROOM ELEVATION
1/4" = 1'-0"



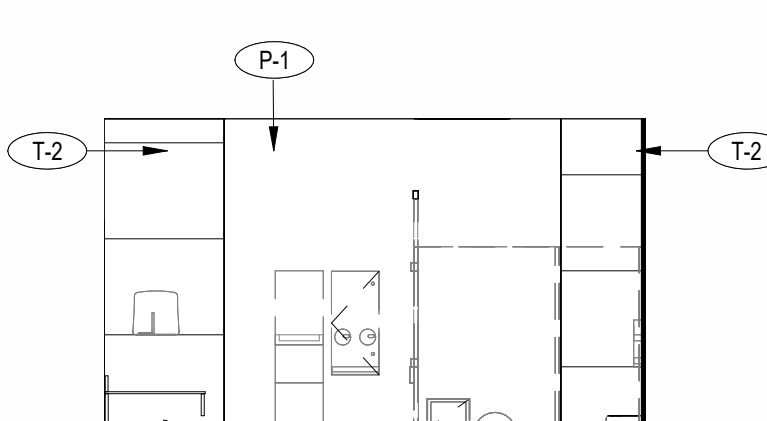
6 WOMEN'S TOILET PLAN
1/4" = 1'-0"



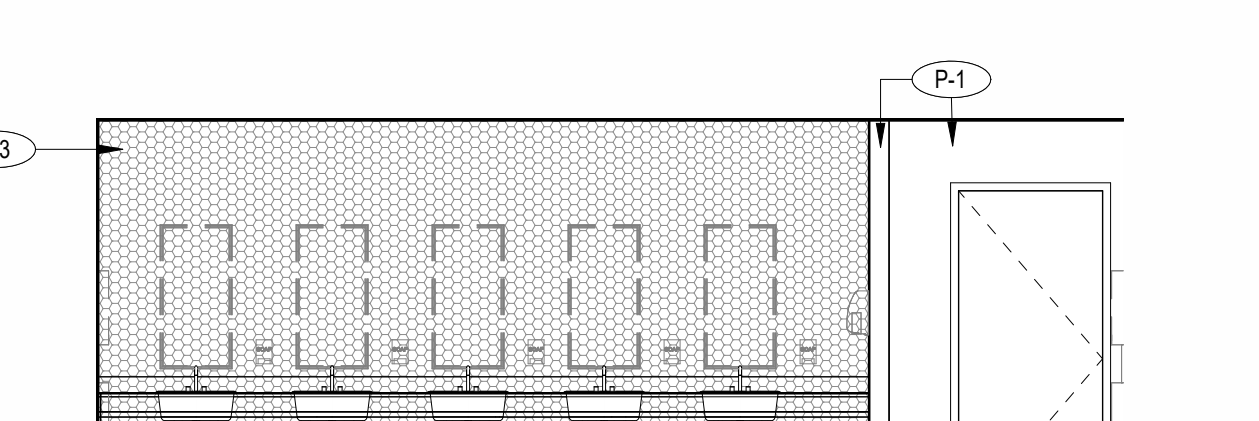
7 TOILET ROOM ELEVATION
1/4" = 1'-0"



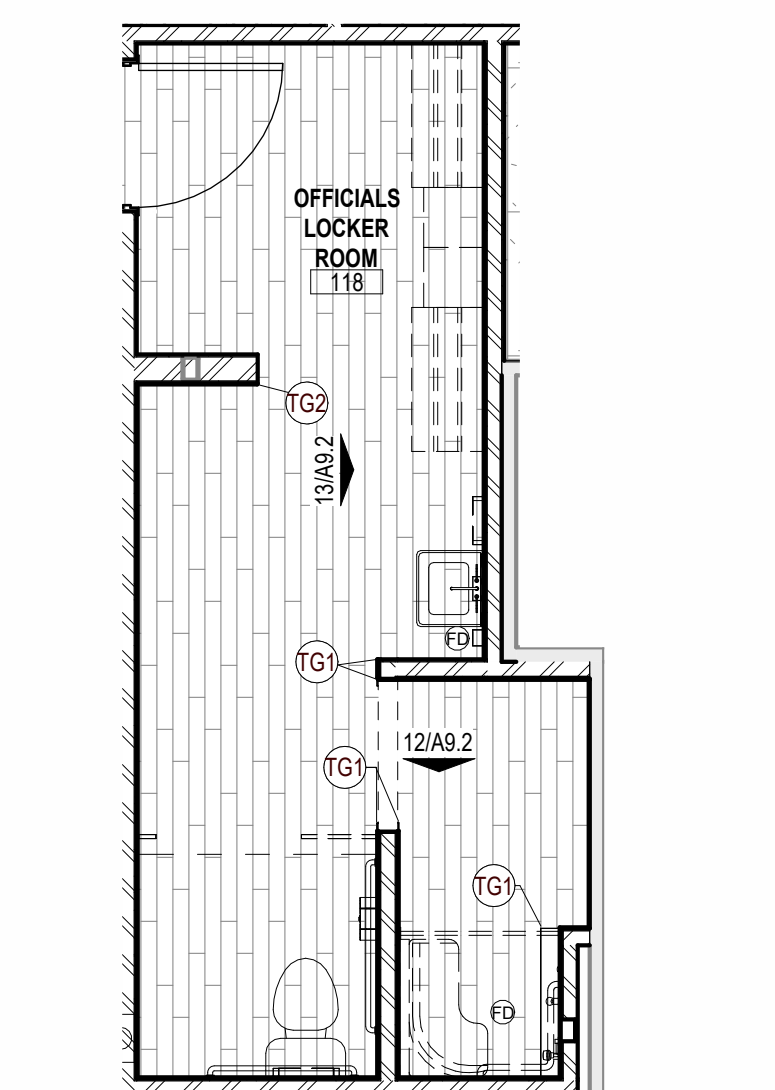
8 TOILET ROOM ELEVATION
1/4" = 1'-0"



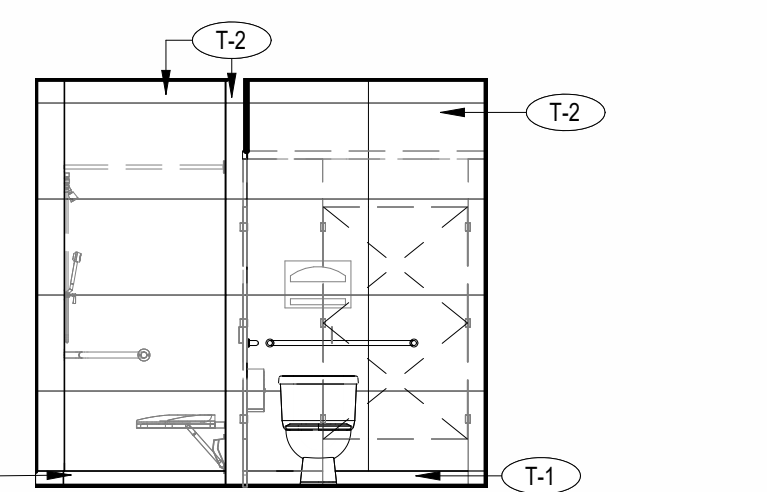
9 TOILET ROOM ELEVATION
1/4" = 1'-0"



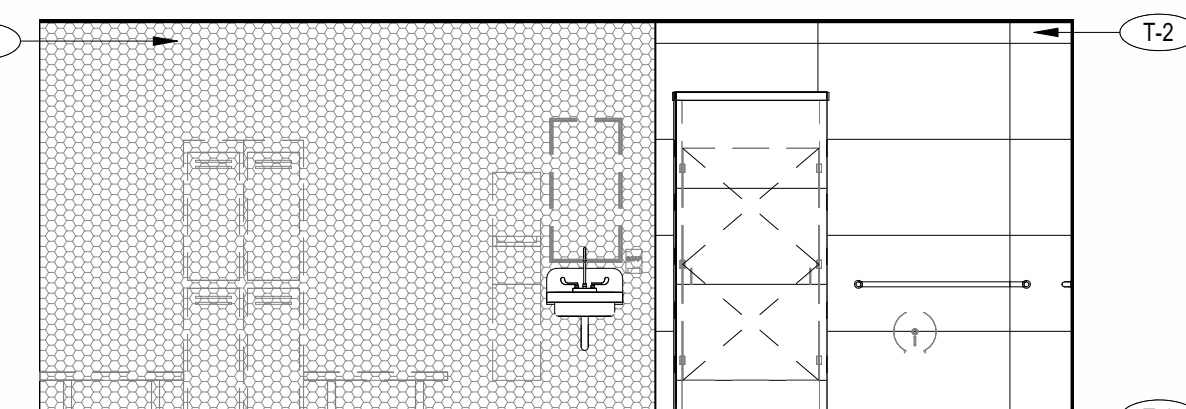
10 TOILET ROOM ELEVATION
1/4" = 1'-0"



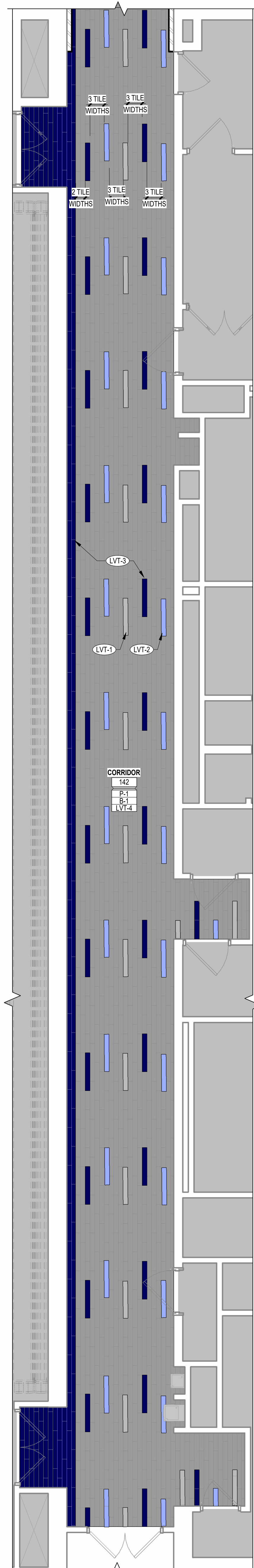
11 OFFICIALS LOCKER ROOM PLAN
1/4" = 1'-0"



12 OFFICIALS LOCKER ROOM ELEVATION
1/4" = 1'-0"

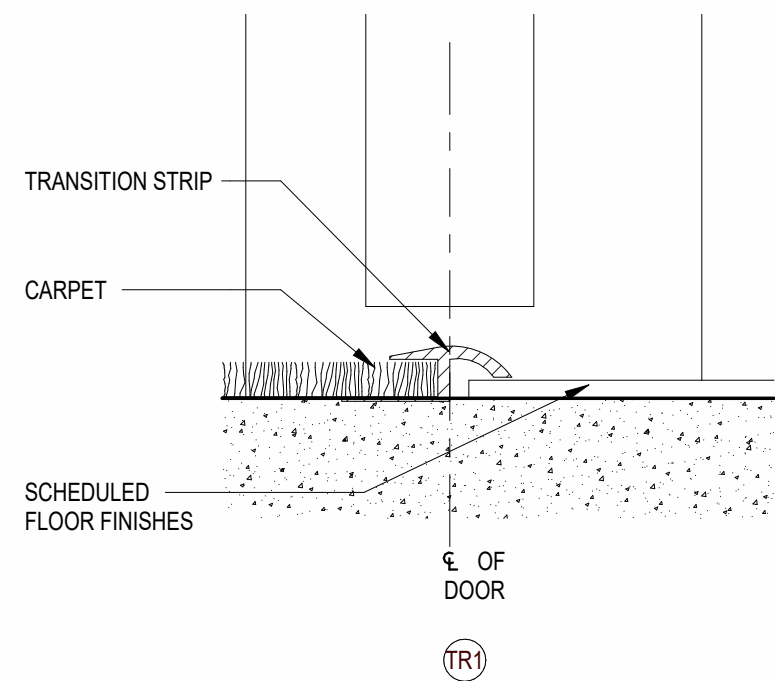


13 OFFICIALS LOCKER ROOM ELEVATION
1/4" = 1'-0"

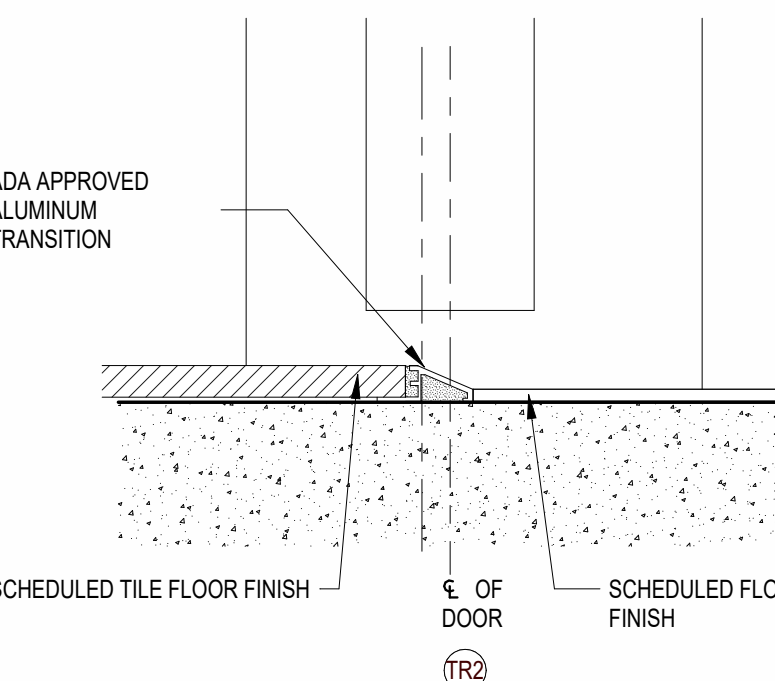


14 CORRIDOR FINISH PLAN
1/4" = 1'-0"

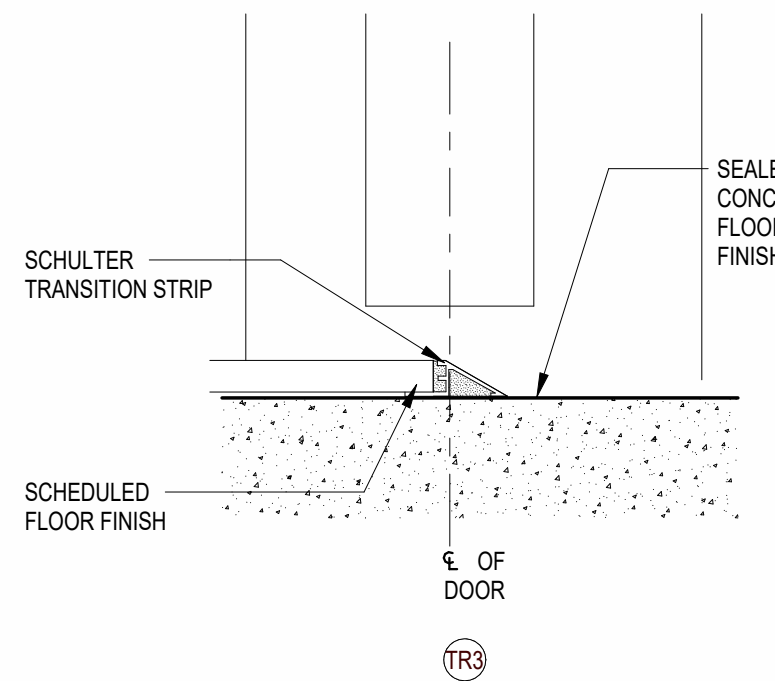
INTERIOR FINISH SCHEDULE		
CARPET TILE		
CPT-1	DESCRIPTION: OFFICES MANUFACTURER: MANNINGTON COLLECTION: MOIRE STYLE: VISIBLE LIGHT TILE 13783 COLOR: FREQUENCY DIMENSION: 18" X 36" INSTALL: ASHLAR CONTACT: LORISE VANVOORTHUZEN CONTACT: LORISE.VAN@MANNINGTON.COM	
CPT-2	DESCRIPTION: OPEN OFFICE AREA MANUFACTURER: MANNINGTON COLLECTION: MOIRE STYLE: RAY TRACING COLOR: AURA 24787 DIMENSION: 18" X 36" INSTALL: ASHLAR CONTACT: LORISE VANVOORTHUZEN CONTACT: LORISE.VAN@MANNINGTON.COM	
CPT-3	DESCRIPTION: OPEN WORK ACCENT MANUFACTURER: MANNINGTON COLLECTION: MOIRE STYLE: RAY TRACING COLOR: FREQUENCY DIMENSION: 18" X 36" INSTALL: ASHLAR CONTACT: LORISE VANVOORTHUZEN CONTACT: LORISE.VAN@MANNINGTON.COM	
LUXURY VINYL TILE		
LVT-1	DESCRIPTION: GENERAL MANUFACTURER: MANNINGTON COLLECTION: COLOR ANCHOR LVT COLOR: LONDON FOG C139 DIMENSION: 6" X 36" INSTALL: ASHLAR CONTACT: LORISE VANVOORTHUZEN CONTACT: LORISE.VAN@MANNINTON.COM	
LVT-2	DESCRIPTION: ACCENT MANUFACTURER: MANNINGTON COLLECTION: COLOR ANCHOR LVT COLOR: SQUAWK BOX C127 DIMENSION: 6" X 36"	
LVT-3	DESCRIPTION: ACCENT MANUFACTURER: MANNINGTON COLLECTION: COLOR ANCHOR LVT COLOR: ISLAND BLUE C129 SIZE: 6" X 36"	
LVT-4	DESCRIPTION: ACCENT MANUFACTURER: MANNINGTON COLLECTION: COLOR ANCHOR LVT COLOR: LAVA ROCK SIZE: 6" X 36"	
WALL BASE		
B-1	DESCRIPTION: RUBBER WALL BASE MANUFACTURER: TARKETT PRODUCT: TRADITIONAL COLOR: 20 CHARCOAL DIMENSION: 4" LENGTH: ROLL GOODS NOTE: STRAIGHT AT CARPET, COVE AT RESILIENT	
TILE		
T-1	DESCRIPTION: FLOOR TILE MANUFACTURER: DALTILE STYLE: TRELIS OAK COLOR: AMBER DIMENSION: 6" X 36" X 3/8" INSTALL: ASHLAR GROUT MANUFACTURER: MAPEI GROUT COLOR: AVALANCHE GROUT JOINT: 1/8" CONTACT: RACHEL HANNUR CONTACT: RACHEL.HANNUR@DAL TILE.COM	
T-2	DESCRIPTION: WALL TILE MANUFACTURER: TILEBAR PRODUCT: KENRIDGE RIBBON FLUTED COLOR: WHITE DIMENSION: 24" X 48" INSTALL: MONOLITHIC VERTICAL GROUT MANUFACTURER: MAPEI GROUT COLOR: AVALANCHE GROUT JOINT: 1/8" CONTACT: MICHAEL MCDERMOTT CONTACT: MMCDERMOTT@TILEBAR.COM	
T-3	DESCRIPTION: ACCENT MANUFACTURER: TILEBAR STYLE: SASHA HEX CHIAZZA COLOR: MARINO MATTE DIMENSION: 6" HEX INSTALL: MONOLITHIC GROUT MANUFACTURER: MAPEI GROUT COLOR: WARM GRAY GROUT JOINT: 1/8" CONTACT: MICHAEL MCDERMOTT CONTACT: MMCDERMOTT@TILEBAR.COM	
PAINT		
P-1	DESCRIPTION: GENERAL PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 982 WHITE SAND FINISH: EGGSHELL CONTACT: DOUGLAS DERKACS@SHERWIN.COM	
P-2	DESCRIPTION: OFFICE ACCENT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7071 GRAY SCREEN FINISH: EGGSHELL CONTACT: DOUG DERKACS@SHERWIN.COM	
P-3	DESCRIPTION: ACCENT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 6530 REVEL BLUE FINISH: EGGSHELL CONTACT: DOUG DERKACS@SHERWIN.COM	
P-4	DESCRIPTION: ACCENT MANUFACTURER: SHERWIN WILLIAMS COLOR: REAL RED FINISH: EGGSHELL CONTACT: DOUG DERKACS@SHERWIN.COM	
P-5	DESCRIPTION: GYM DOOR AND FRAME PAINT MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 7076 CYBERSPACE FINISH: SEMI-GLOSS CONTACT: DOUGLAS DERKACS@SHERWIN.COM	
P-6	DESCRIPTION: TRIM/DOORS/FRAMES MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 9162 AFRICAN GRAY FINISH: SEMI-GLOSS CONTACT: DOUG DERKACS@SHERWIN.COM	
SOLID SURFACE		
SS-1	DESCRIPTION: COUNTERTOP MANUFACTURER: WILSONART COLOR: CARRARA EMPORIO NUMBER: 9099SS THICKNESS: 1/2"	



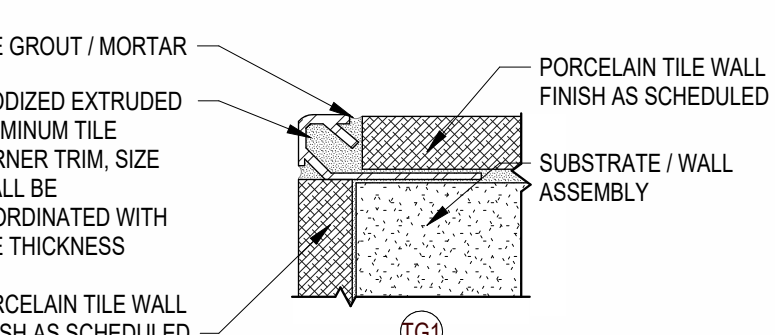
15 TRANSITION DETAIL
6" = 1'-0"



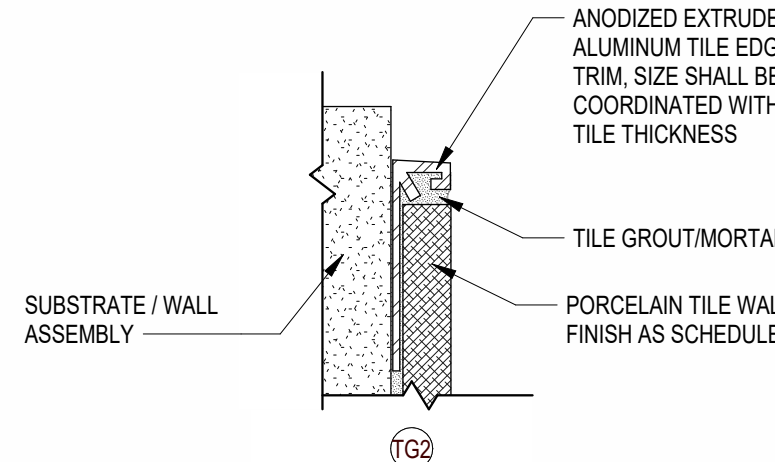
16 TRANSITION DETAIL
6" = 1'-0"



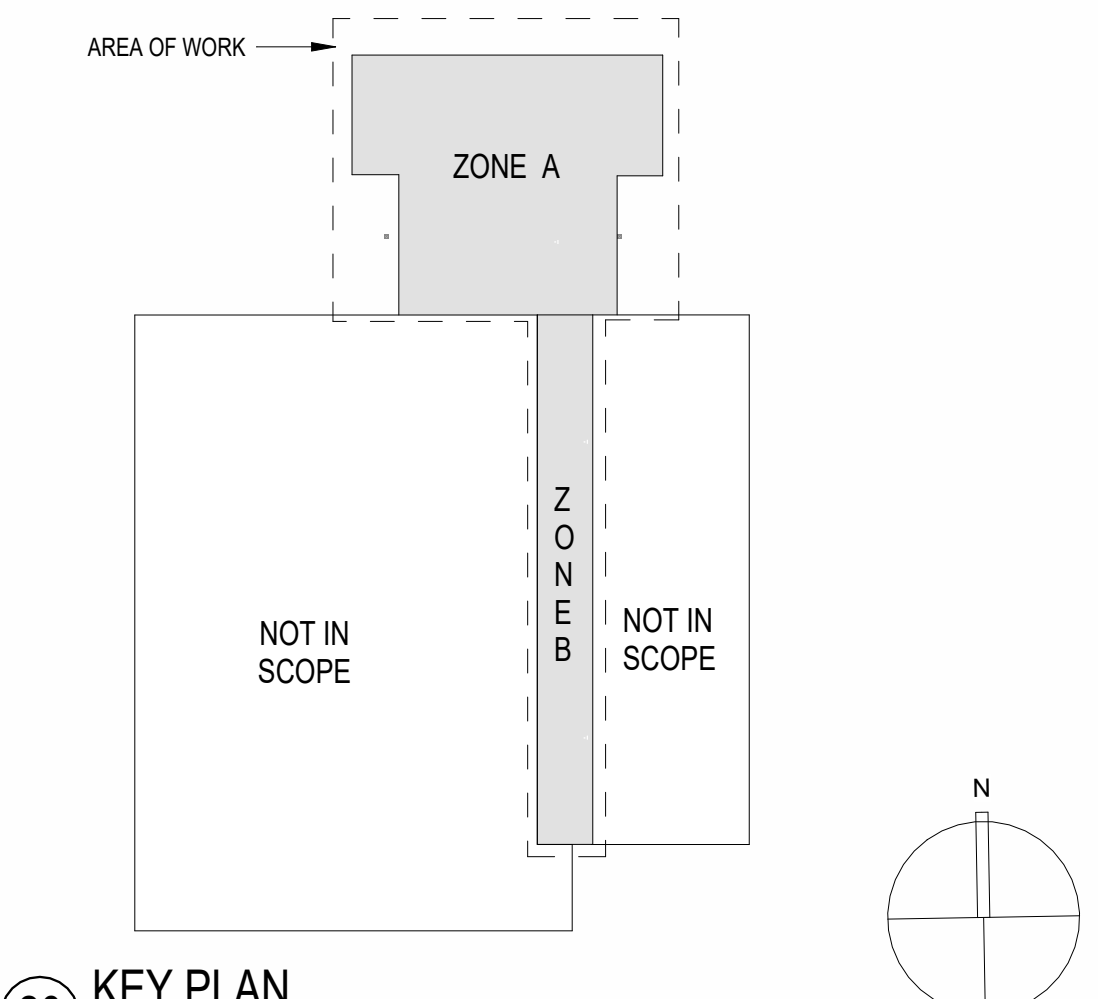
17 TRANSITION DETAIL
6" = 1'-0"



18 TILE DETAIL
12" = 1'-0"



19 TILE EDGE SECTION DETAIL
12" = 1'-0"



20 KEY PLAN
NOT TO SCALE

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1355 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609.394.2274

SIGNATURE:

THOMAS S. PERINO
SCOTT E. DOANE
STEVEN L. BROWN
JOHN F. WRIGHT
SPIEZLE ARCHITECTURAL GROUP, INC.

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#1 REVISION NAME DATE

FOR BID: 09/17/2026

DRAWING TITLE:

FINISH PLANS AND INTERIOR ELEVATIONS

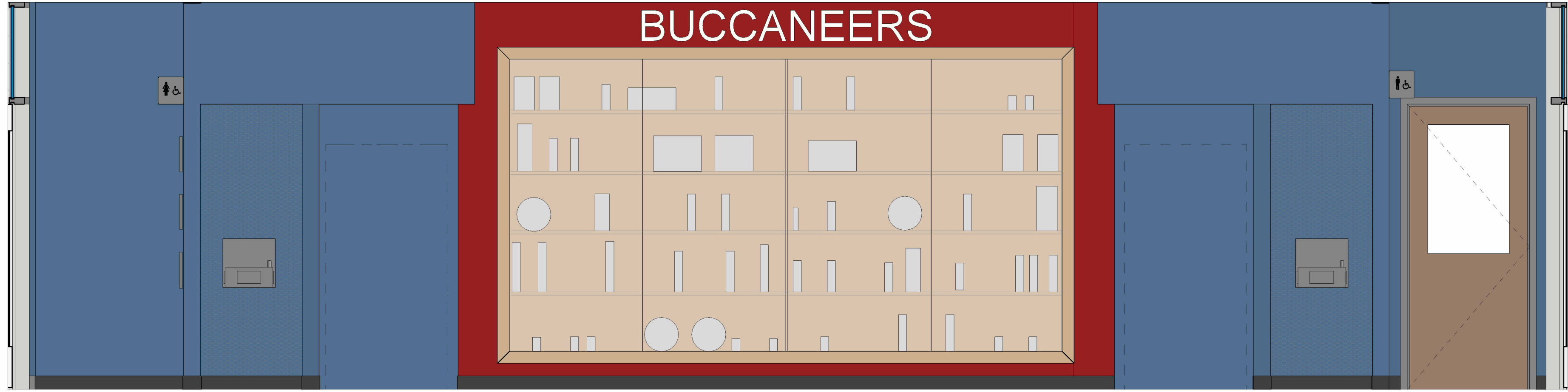
COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

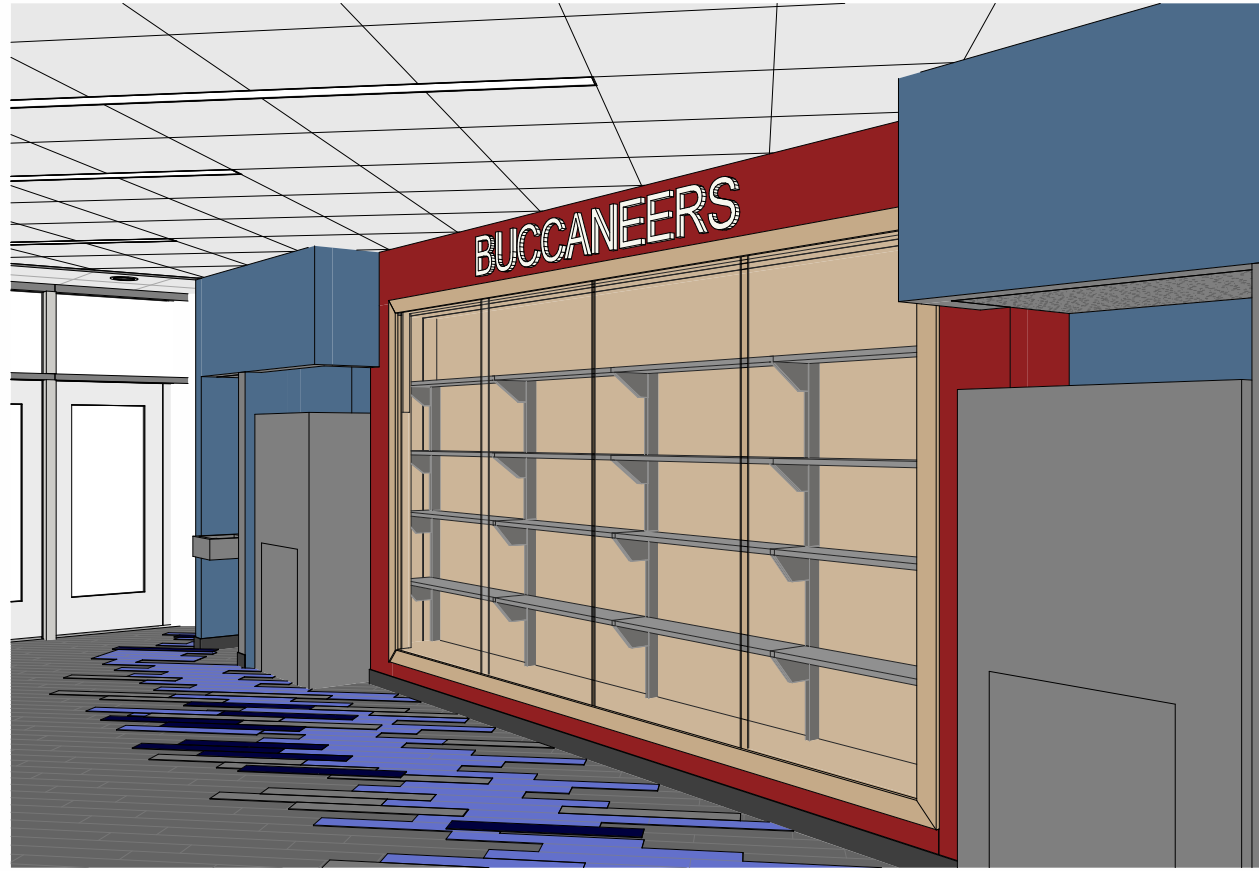
DRAWING NUMBER:

A9.2

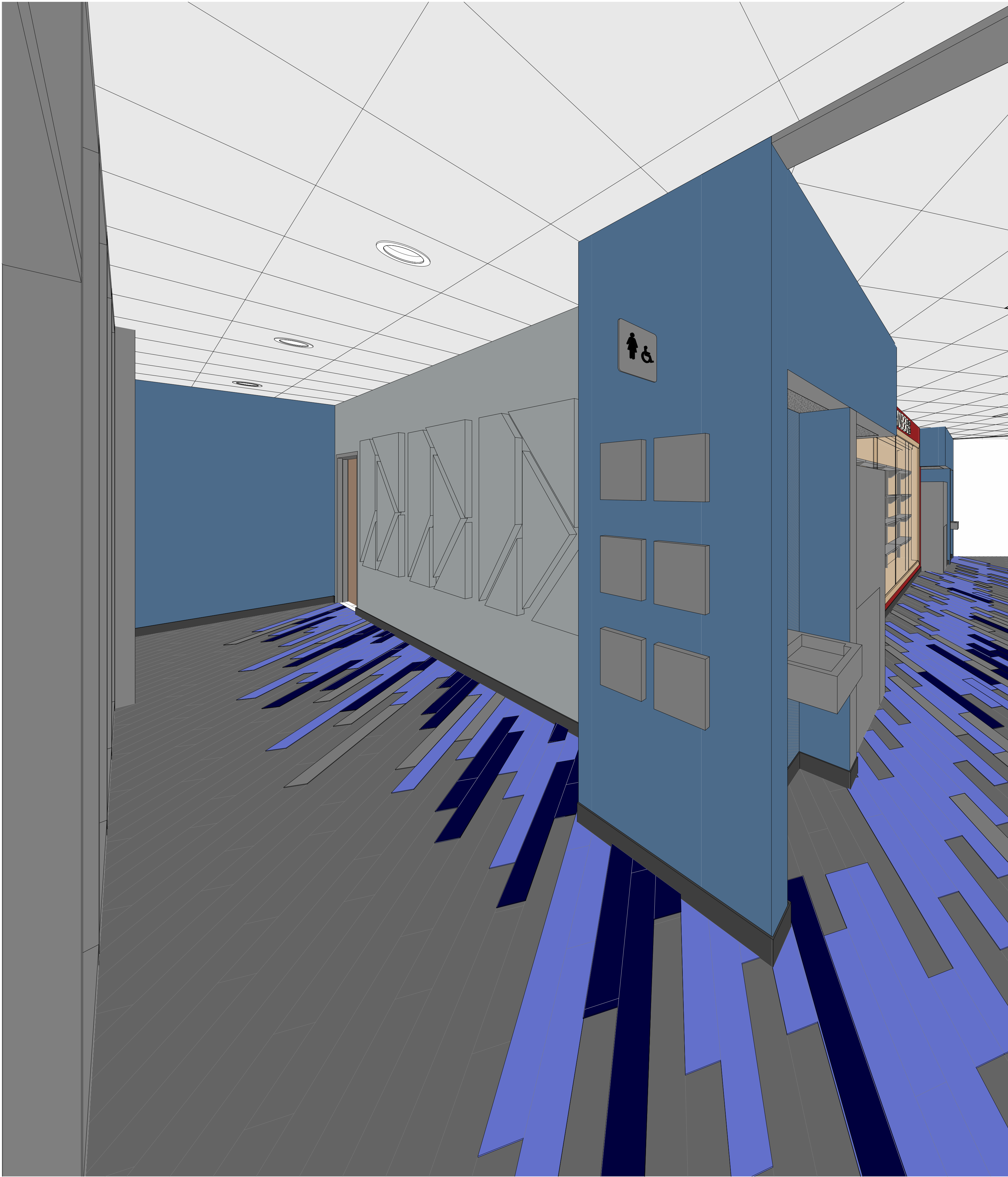
THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"



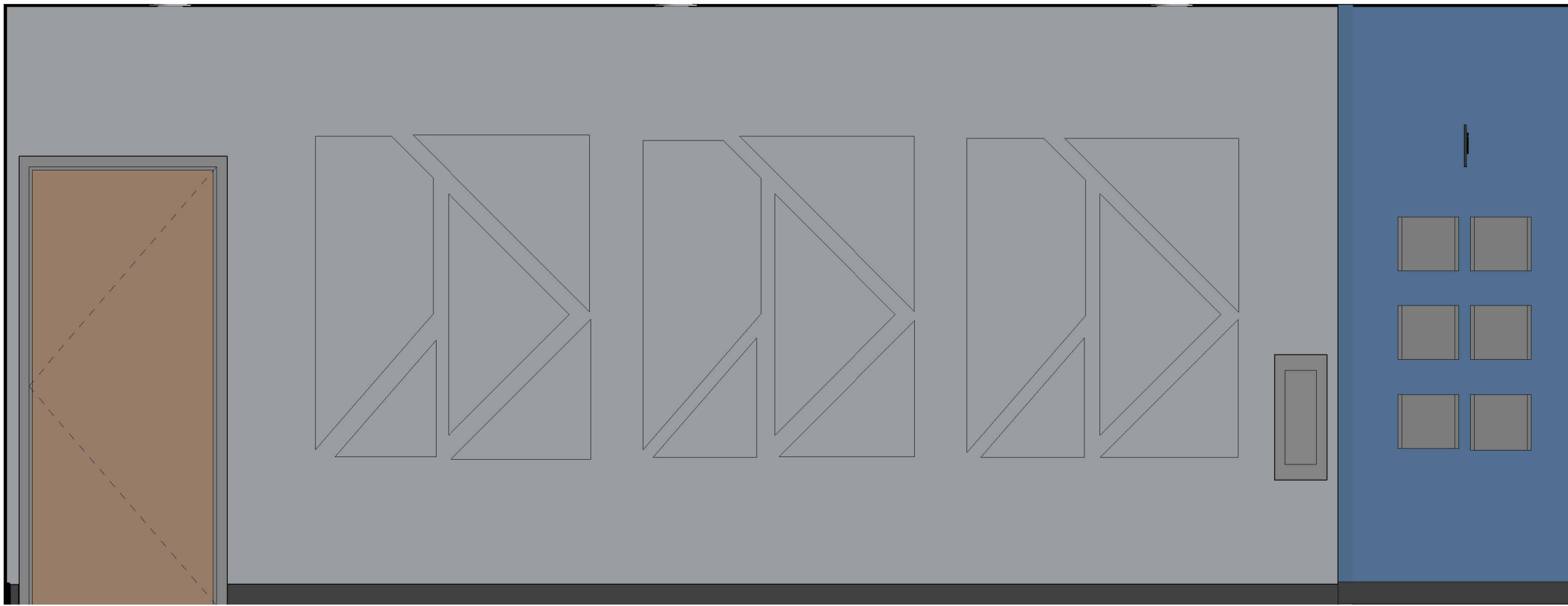
2 TROPHY CASE ELEVATION
1 1/2" = 1'-0"



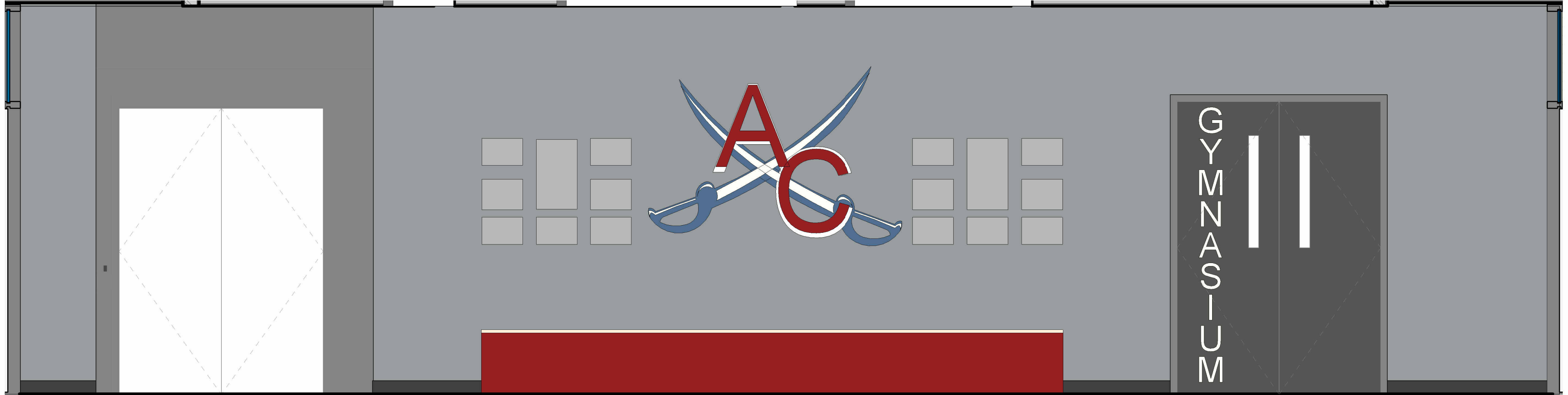
3 3D VIEW
3" = 1'-0"



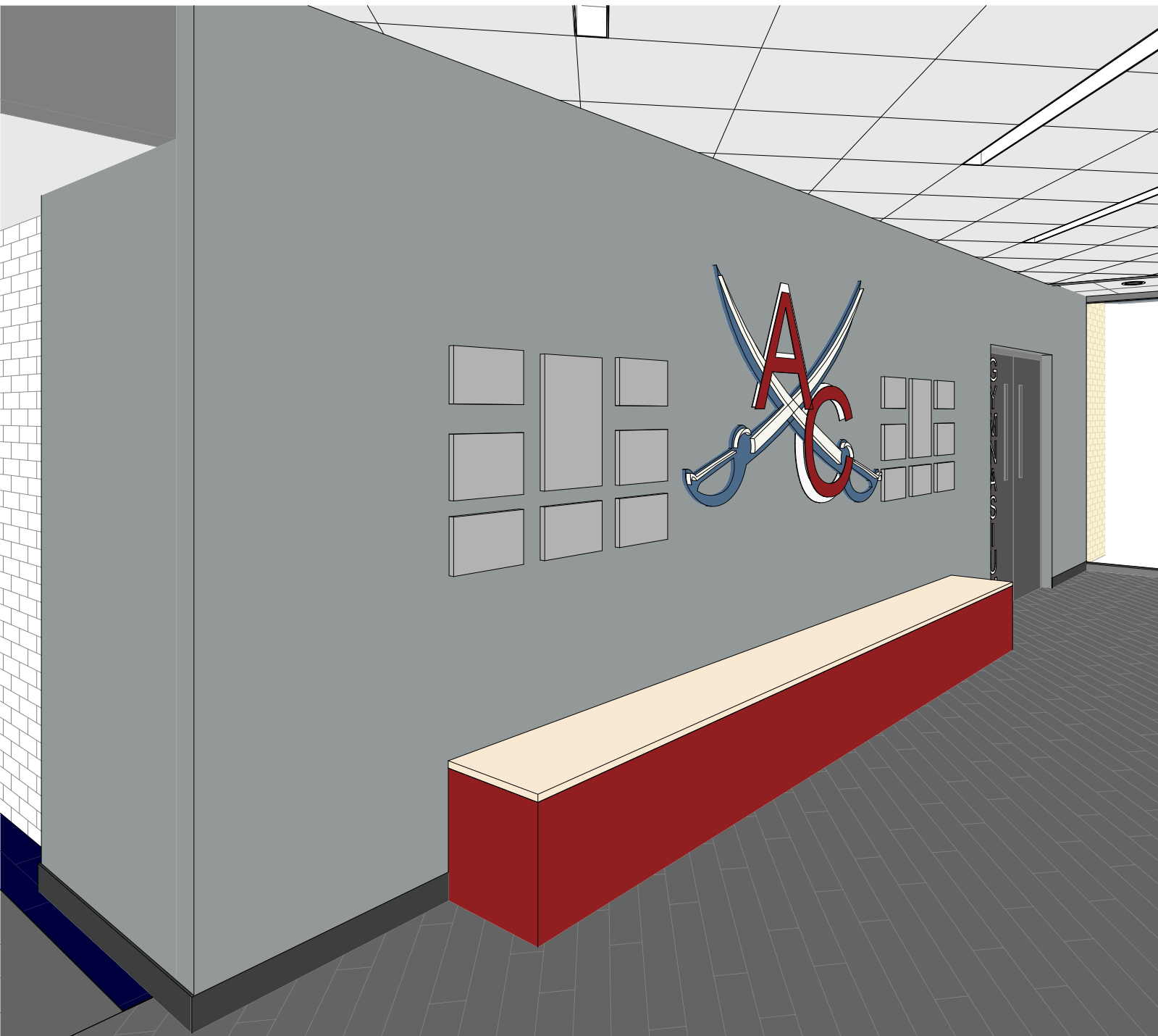
1 3D VIEW ENTRANCE ACCENT WALL
1" = 1'-0"



4 ENTRANCE ACCENT WALL ELEVATION
1/2" = 1'-0"



5 LOBBY ACCENT WALL
1/2" = 1'-0"



6 3D LOBBY ACCENT WALL
1" = 1'-0"

NOTE: THIS SHEET IS FOR
DESIGN INTENT ONLY

CODE REVIEW:

CERTIFICATE:



SPIEZZE ARCHITECTURAL GROUP, INC.
1355 YARDVILLE HAMILTON SQUARE ROAD
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STEVEN G. BEGER 21401050400
JOHN F. WRIGHT 21401101000
SPIEZZE ARCHITECTURAL GROUP, INC. 21403000000

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE
RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

INTERIOR ELEVATIONS

COMMISSION NUMBER:

25U012

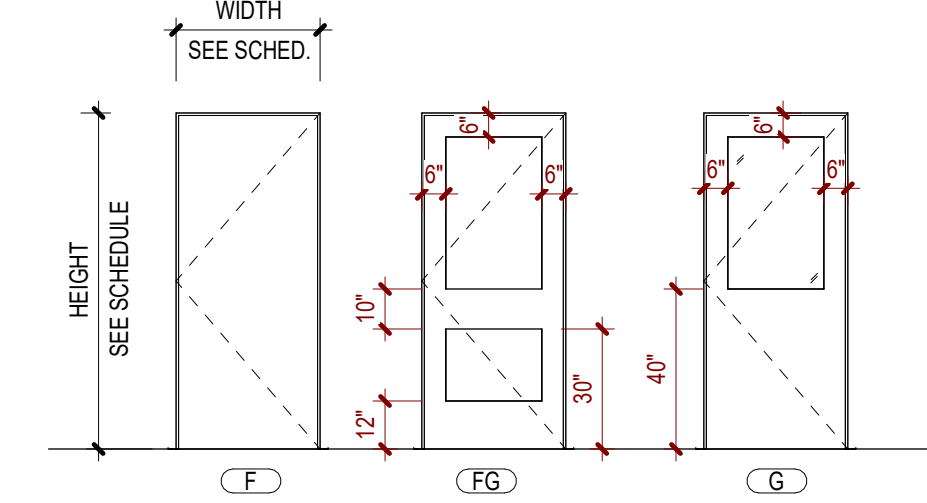
DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

A9.4

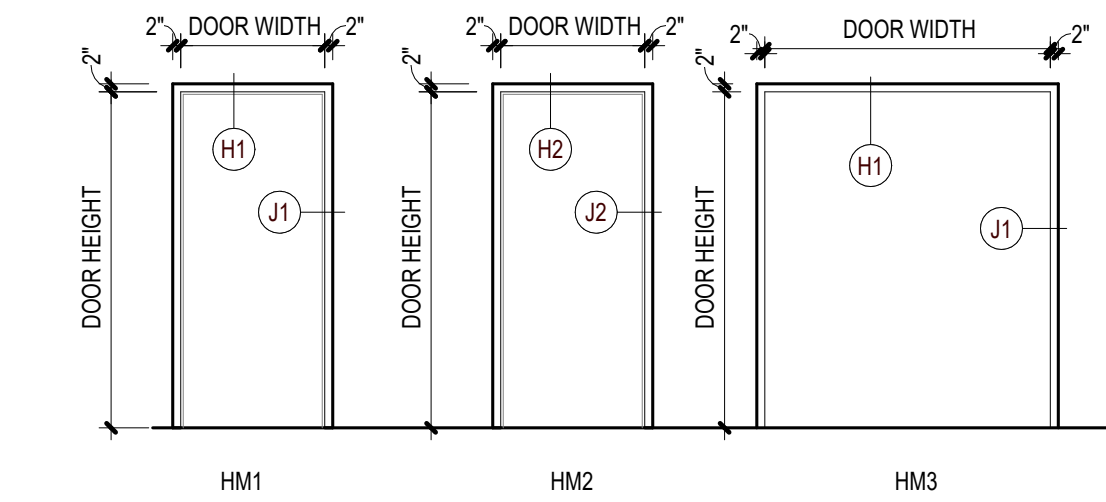
3'-0" = 1'-0"
1'-0" = 1'-0"
1'-0" = 1'-0"
3'-0" = 1'-0"
1'-0" = 1'-0"
3'-0" = 1'-0"
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1'-0" = 1'-0"
3'-0" = 1'-0"
1'-0" = 1'-0"
1'-0" = 1'-0"

DOOR SCHEDULE									
MARK	LOCATION	DOOR		TYPE	MATERIAL	FRAME	RATING (MINS)	HARDWARE SET	REMARKS
		WIDTH(s)	HEIGHT						
112	MEN'S TOILET ROOM	3'-0"	7'-0"	F	WD	HM1	.	3.0	
113	ASSISTANT DIRECTOR	3'-0"	7'-0"	F	WD	HM1	.	4.0	ACCESS CONTROL
114	OFFICE	3'-0"	7'-0"	F	WD	HM1	.	5.0	ACCESS CONTROL
115	STORAGE	3'-0"	7'-0"	F	WD	HM1	.	7.0	
116	ATHLETIC DIRECTOR	3'-0"	7'-0"	F	WD	HM1	.	4.0	ACCESS CONTROL
117	WOMEN'S TOILET ROOM	3'-0"	7'-0"	F	WD	HM1	.	3.0	
118	OFFICIALS LOCKER ROOM	3'-0"	7'-0"	F	WD	HM1	.	6.0	ACCESS CONTROL
119	PANTRY	3'-0" / 1'-0"	7'-0"	F	WD	HM3	.	8.0	
120	CORRIDOR	3'-0"	7'-0"	G	WD	HM2	.	6.0	ACCESS CONTROL
121	LOBBY	3'-0" / 3'-0"	7'-0"	FG	G	AL	.	1.0	ACCESS CONTROL
122	LOBBY	3'-0" / 3'-0"	7'-0"	FG	G	AL	.	2.0	ACCESS CONTROL
123	LOBBY	3'-0" / 3'-0"	7'-0"	FG	G	AL	.	1.0	ACCESS CONTROL
124	LOBBY	3'-0" / 3'-0"	7'-0"	FG	G	AL	.	2.0	ACCESS CONTROL



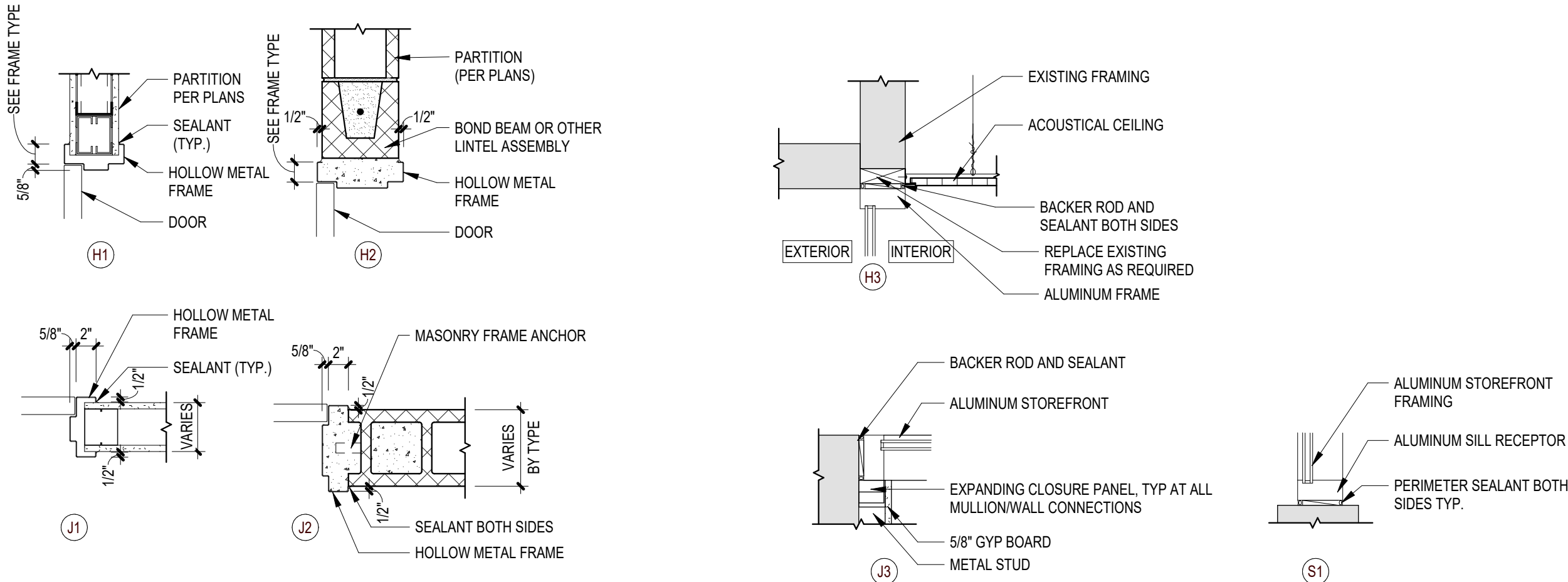
1 DOOR TYPES

1/4" = 1'-0"



2 FRAME TYPES

1/4" = 1'-0"

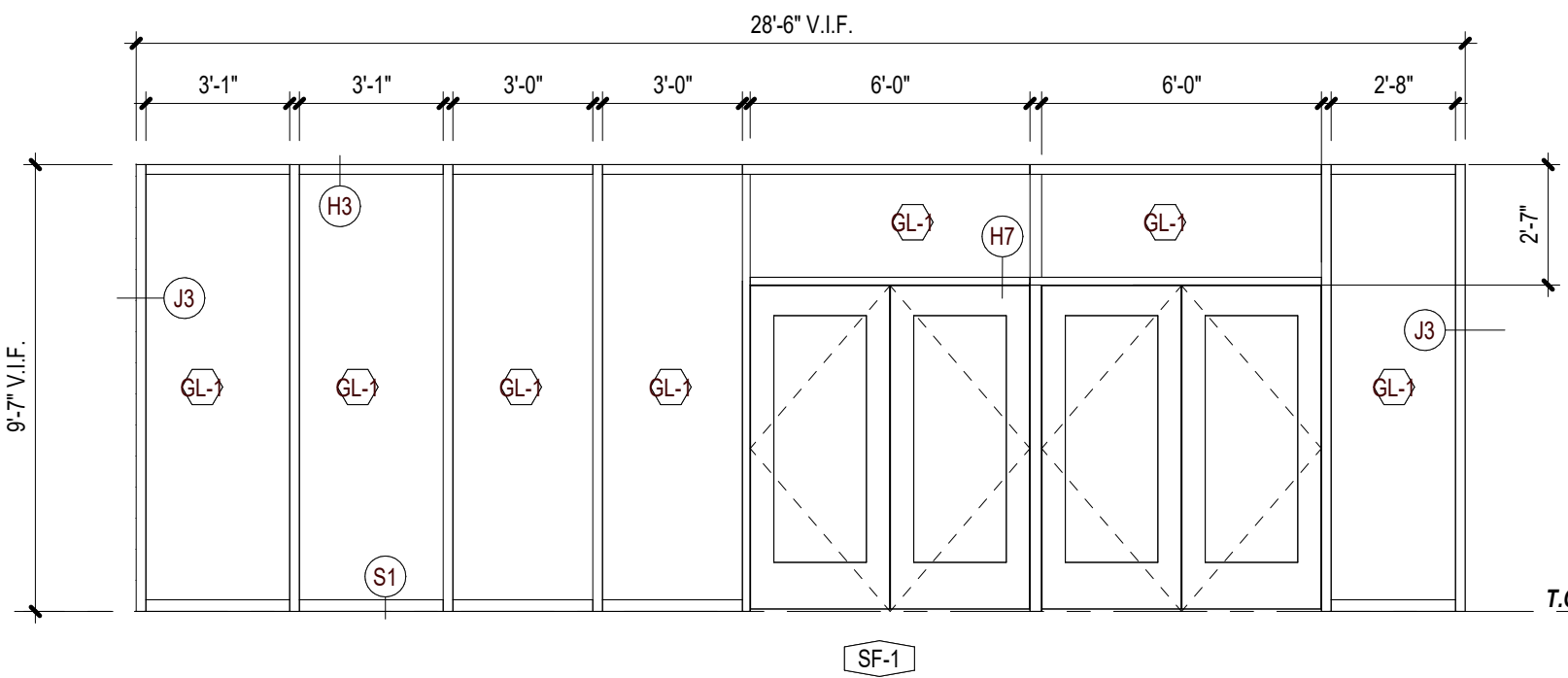


3 FRAME DETAILS

1" = 1'-0"

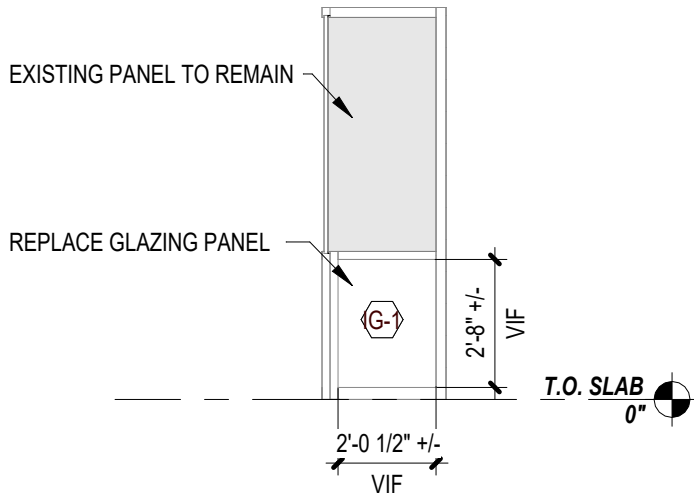
4 FRAME DETAILS

1" = 1'-0"



5 STOREFRONT ELEVATION

1/4" = 1'-0"



6 STOREFRONT ELEVATION

1/4" = 1'-0"

DOOR AND FRAME NOTES

1. OPENING FORCE OF INTERIOR NON-RATED DOORS SHALL BE NO GREATER THAN 5 LBS.
2. OPENING FORCE OF FIRE RATED DOORS SHALL BE NO GREATER THAN 8 LBS.
3. ALL EXTERIOR GLAZING IN NON-RATED WALL AND DOOR ASSEMBLIES SHALL BE MINIMUM 1" INSULATED GLAZING. REFER TO SPECIFICATIONS FOR GLAZING TYPES.
4. PROVIDE COMPATIBLE FLASHING MATERIALS BETWEEN DISSIMILAR MATERIALS SUCH AS STEEL TO ALUMINUM.
5. SHIM ASSEMBLIES AS REQUIRED FOR PLUMB AND LEVEL. PROVIDE SEALANT AND BACKER RODS AT ALL JOINTS BETWEEN WINDOW SYSTEMS, DOOR FRAMES AND OTHER SURROUNDING CONSTRUCTION.
6. ALUMINUM WINDOW AND ENTRANCE FRAMES SHALL NOT BE INSTALLED IN DIRECT CONTACT WITH DISSIMILAR BUILDING MATERIALS.
7. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PULL SIDE SHALL BE 1/4" MINIMUM.
8. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PUSH SIDE SHALL BE 1/4" MINIMUM.
9. DO NOT APPLY WALL BASE TO HOLLOW METAL OR ALUMINUM FRAMES, UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL COORDINATE FOR INSTALLATION OF POWER, CONDUIT AND/OR WIRING, ETC. AT OPENINGS SCHEDULED TO RECEIVE DEVICES SUCH AS DOOR CONTACTS, CARD READERS, ELECTRIC LOCKS AND AUTOMATIC DOOR OPENERS.
11. ALL STUD FRAMED WALLS SHALL HAVE FULLY WRAPPED FRAMES.
12. ALL CMU WALLS OF 12" NOMINAL THICKNESS OR LESS SHALL HAVE FULLY WRAPPED FRAMES.
13. ALL CMU WALLS OF NOMINAL THICKNESS GREATER THAN 12" SHALL HAVE FRAMES WITH 8/34" THROAT DIMENSION AND BE LOCATED ON THE CORRIDOR OR SECURE SIDE OF THE OPENING. PROVIDE BULLNOSE CMU ON THE OPPOSITE SIDE.
14. FRAME CONDITIONS AT EXTERIOR OPENINGS MAY VARY. REFER TO SECTION DETAILS FOR MORE SPECIFIC INFORMATION.

ABBREVIATIONS:

HM - HOLLOW METAL
WD - WOOD
AL - ALUMINUM

GLAZING TYPES

IG-1 1" FULLY TEMPERED, INSULATED. COLOR TO BE CLEAR SOLARBAN 80 LOW-E.

CONTRACTOR TO PROVIDE AND INSTALL POWER/DATA CABLING FROM DOOR LOCATIONS BACK TO IT RACK IN STORAGE ROOM 115 WHERE DOOR HARDWARE SCHEDULE CALLS FOR ELECTRIFIED HARDWARE FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

CODE REVIEW:

CERTIFICATE:



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STEVEN G. SEGEL 2140105400
JOHN F. WRIGHT 2140117000
SPIEZLE ARCHITECTURAL GROUP, INC. 2140308300

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
---	---------------	------

FOR BID:

09/17/2026

DRAWING TITLE:

DOOR AND FRAME SCHEDULES

COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

A10.1

3"=1'-0"
1 1/2"=1'-0"
1"=1'-0"
3/4"=1'-0"
1/2"=1'-0"
1/4"=1'-0"
1/16"=1'-0"

MECHANICAL SYMBOL LEGEND	
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF CONNECTION BETWEEN EXISTING AND TO BE REMOVED WORK
	POINT OF CONNECTION FOR FUTURE WORK
	INDICATES LOCATION FOR BALANCER TO PROVIDE PRE-DEMOLITION AIRFLOW READINGS
	EQUIPMENT TAG
	SECTION VIEW TAG

CONTROLS SYMBOL LEGEND	
	CONTROL DAMPER SYMBOLS: OR OUTSIDE AIR DAMPER RA RETURN AIR DAMPER EA EXHAUST AIR DAMPER SD BACKDRAFT DAMPER SD SMOKE DAMPER FD FIRE DAMPER FS FRESH SMOKE DAMPER B BAROMETRIC DAMPER
	THERMOSTAT (DUCT MOUNTED)
	THERMOSTAT (WALL MOUNTED)
	COMBINATION THERMOSTAT/CO2 SENSOR (WALL MOUNTED)
	HUMIDISTAT (DUCT MOUNTED)
	HUMIDISTAT (WALL MOUNTED)
	FREEZESTAT (LOW TEMPERATURE DETECTOR)
	STATIC PRESSURE SENSOR (DUCT MOUNTED)
	SPACE STATIC PRESSURE SENSOR
	DIFFERENTIAL PRESSURE MONITOR
	BUILDING AUTOMATION SYSTEM CONTROL POINT
	FIRE ALARM SYSTEM CONNECTION
	AUTOMATIC CONTROL VALVE (3-WAY)
	AUTOMATIC CONTROL VALVE (3-WAY)

DUCTWORK SYMBOL LEGEND	
	SUPPLY AIR DIFFUSER
	SUPPLY AIR DIFFUSER WITH DIRECTIONAL FLOW (SHADED AREA(S) DENOTE BLANKET-OFF SECTIONS)
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	FLEX DUCTWORK
	RECTANGULAR MITERED ELBOW
	RADIUS ELBOW
	SUPPLY AIR RECTANGULAR DUCT RISE / DROP
	RETURN/EXHAUST AIR RECTANGULAR DUCT RISE / DROP
	SUPPLY AIR ROUND DUCT RISE / DROP
	RETURN AIR ROUND DUCT RISE / DROP
	45 DEGREE ENTRY TAKEOFF (RECTANGULAR TO RECTANGULAR)
	90 DEGREE TAKEOFF (RECTANGULAR TO ROUND)
	90 DEGREE STRAIGHT TAKEOFF (ROUND TO ROUND)
	90 DEGREE CONICAL TAKEOFF (ROUND TO ROUND)
	DUCT SPLIT (RECTANGULAR MITERED ELBOW)
	DUCT SPLIT (RECTANGULAR RADIUSSED ELBOW)
	DUCT TRANSITION (CONCENTRIC)
	DUCT TRANSITION (ECCENTRIC)
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	MANUAL VOLUME DAMPER
	MOTORIZED DAMPER (SEE CONTROLS SYMBOLS)
	FLEXIBLE CONNECTION
	SMOKE DETECTOR (DUCT MOUNTED)
	FAN (CENTRIFUGAL)
	ROOF EXHAUST FAN
	THERMOSTAT
	CARBON DIOXIDE DEMAND VENTILATION SENSOR
	DEMOLITION

PIPING SYMBOL LEGEND	
	PIPING DROP
	PIPING RISE
	SUPPLY PIPING
	RETURN PIPING
	SHUTOFF VALVE
	BALANCING / SHUTOFF VALVE
	GATE VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	VACUUM BREAKER
	SWING CHECK VALVE
	ANGLE SHUTOFF VALVE
	TRIPLE DUTY VALVE
	COMBINATION BALANCING/SHUTOFF VALVE WITH PRESSURE TAPS
	PRESSURE REDUCING VALVE
	SAFETY RELIEF VALVE
	SUCTION DIFFUSER
	PUMP
	BASKET STRAINER
	AIR SEPARATOR
	Y-STRAINER
	Y-STRAINER WITH DRAIN VALVE
	PRESSURE GAUGE
	THERMOMETER
	PRESSURE / TEMPERATURE TEST FITTING
	FLOW METER
	WELDED PIPE CONNECTION
	THREADED PIPE CONNECTION
	FLANGED PIPE CONNECTION
	GROOVED PIPE CONNECTION
	UNION
	END CAP
	BLIND FLANGE
	FLEXIBLE CONNECTION
	HEAT TRACED PIPING
	REDUCER (CONCENTRIC)
	REDUCER (ECCENTRIC)
	EXPANSION TANK
	COOLING TOWER

MECHANICAL ABBREVIATIONS	
AC	AIR CONDITIONING UNIT
ACCU	AIR CONDITIONING CONDENSING UNIT
ACH	AIR CHANGES PER HOUR
ACR	AIR CURTAIN
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ATC	AUTOMATIC TEMPERATURE CONTROLS
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT/HOUR
BV	BALL VALVE
CD	CEILING DIFFUSER
CDR	CONDENSER WATER RETURN
CDS	CONDENSER WATER SUPPLY
CE	CEILING EXHAUST GRILLE
CG	CEILING GRILLE
CF	CHEMICAL FEED UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW	COLD WATER
(D)	DEMOLISHED
DB	DRY BULB
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EMS	ENERGY MANAGEMENT SYSTEM
ER	EXHAUST REGISTER
(ER)	EXISTING RELOCATED
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
(F)	FUTURE
FCU	FAN COIL UNIT
FD	FIRE DAMPER OR FLOOR DRAIN
FLA	FULL LOAD AMPS
FM	FLOW METER
FS	FLOW SWITCH
FTWG	FEET WATER GAUGE
FZ	FREEZESTAT
GPM	GALLONS PER MINUTE
H	HUMIDISTAT
HE	HEAT EXCHANGER
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTANCE
HOA	HAND-OFF AUTOMATIC SELECTOR SWITCH
HP	HORSEPOWER OR HEAT PUMP
HTR	HEATER
HUM	HUMIDIFIER
HV	HEATING & VENTILATING UNIT
HW	HOT WATER
Hz	HERTZ
INWG	INCHES WATER GAUGE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBHR	POUNDS PER HOUR
LD	LINEAR DIFFUSER
LR	LOW RETURN GRILLE
LVT	LEAVING WATER TEMPERATURE
MBH (T) (S)	1000 BTUH (TOTAL) (SENSIBLE)
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MHP	MOTOR HORSEPOWER
MU	MAKEUP WATER
(N)	NEW
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
N.T.S.	NOT TO SCALE
OA	OUTSIDE AIR INTAKE
P	PUMP
PD	PRESSURE DROP
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PRESSURE TRANSMITTER
RA	RETURN AIR
RCP	RADIANT CEILING PANEL
(RE)	RELOCATE EXISTING
REFR	REFRIGERANT
RF	RETURN AIR FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RHR	REFRIGERANT HOT WATER RETURN
RHS	REHEAT HOT WATER SUPPLY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	REFRIGERANT VENT
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN OR SQUARE FEET
SMD	SMOKE DETECTOR
SOO	SEQUENCE OF OPERATIONS
SP	STATIC PRESSURE
SR	SUPPLY REGISTER
SRV	SAFETY RELIEF VALVE
T	THERMOSTAT
TAB	TESTING AND BALANCING
TA	TRANSFER AIR
THERM	THERMOMETER
TP	TOTAL PRESSURE
TRB	TERMINAL REHEAT BOX
TT	TEMPERATURE TRANSMITTER
UC	UNDERCUT
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VIB	VIBRATION
VIF	VERIFY IN FIELD
WBT	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WPD	WATER PRESSURE DROP

MECHANICAL GENERAL NOTES	
1.	ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE, N.J.A.C. 5:23, INCLUDING BUT NOT LIMITED TO THE FOLLOWING CODES AND INDUSTRIAL STANDARDS: INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION, 2021 AND INTERNATIONAL MECHANICAL CODE, 2021.
2.	COMPARE THE CONTRACT DOCUMENTS FOR THIS PROJECT WITH THE EXISTING CONDITIONS TO DETERMINE THE EXTENT OF DEMOLITION WORK AND/OR RELOCATION WORK REQUIRED TO ACCOMPLISH THE WORK SHOWN ON THE DRAWINGS.
3.	THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE INCURRED TO EXISTING PIPING, DUCTS AND EQUIPMENT DURING DEMOLITION AND NEW WORK. CONTRACTOR SHALL EXTEND OR MODIFY ALL EXISTING AND NEW WORK AS REQUIRED TO INSTALL NEW PIPING, INSULATION, VALVES, ETC., INDICATED AND LEAVE A COMPLETE AND WORKING SYSTEM. THE CONTRACTOR SHALL REROUTE, EXTEND AND MODIFY ANY EXISTING SITE AND BUILDING SERVICES AS REQUIRED TO PERFORM NEW WORK, BUT SHALL MAINTAIN CONTINUITY OF ALL EXISTING SYSTEMS.
4.	THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES AND OTHER COSTS IN CONNECTION WITH HIS WORK; FILE ALL NECESSARY APPROVALS OF ALL DEPARTMENTS HAVING JURISDICTION, OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR THEIR WORK, AND DELIVER SAME TO THE OWNER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. THE CONTRACTOR SHALL INCLUDE IN THE WORK WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS SERVICES, APPARATUS, DRAWINGS IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS), IN ORDER TO COMPLY WITH ALL APPLICABLE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS, INCLUDING U.L. ASME, NFPA, IEEE, OSHA, SMACNA AND INTERNATIONAL MECHANICAL CODE, AND THE REQUIREMENTS OF THE LATEST ASHRAE GUIDE AND DATA BOOK.
5.	DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. COORDINATED SHOP DRAWINGS ARE REQUIRED BY THE CONTRACTOR.
6.	ALL MECHANICAL EQUIPMENT SHALL BE LOCATED TO ALLOW FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, ETC.
7.	UNLESS OTHERWISE NOTED, ALL DUCTWORK, BREECING, PIPING, ETC. IS OVERHEAD, TIGHT TO UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION AS REQUIRED.
8.	ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NOT SPECIFICALLY SHOWN ON THE DRAWINGS AS REQUIRED BY MANUFACTURER FOR PROPER INSTALLATION.
9.	PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
10.	UPON COMPLETION OF THE INSTALLATION, SYSTEM SHALL BE CLEANED AND ALL SAFETY FEATURES SHALL BE TESTED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
11.	COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES.
12.	ALL MECHANICAL EQUIPMENT SHALL BEAR THE LABEL OF APPROVED AGENCY.
13.	DETAILS OF CONSTRUCTION AND WORKMANSHIP WHERE NOT SPECIFICALLY DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS, SHALL BE SUBJECT TO ENGINEER'S APPROVAL. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE SYSTEM, LEFT IN GOOD WORKING ORDER, READY FOR OPERATION.
14.	THE CONTRACTOR SHALL REPAIR MARRED AND DAMAGED FACTORY-PAINTED FINISHES WITH MATERIALS AND PROCEDURES TO MATCH ORIGINAL FACTORY FINISHES FOR ALL HVAC EQUIPMENT.
15.	ALL OPENINGS MUST BE SEALED AND PROTECTED WITH 3/4" OR EQUAL FLAME SAFE FIRE COMPOUND.
16.	WHILE THE PROJECT IS UNDER CONSTRUCTION, CONTRACTOR SHALL PROVIDE PLASTIC WARP AND COVERS AT ALL EXPOSED OPENINGS, TO STOP DUST AND DEBRIS FROM ENTERING DUCTS, PIPES AND EQUIPMENT. THIS SHALL BE DONE ON A DAILY BASIS FOR THE ENTIRE PROJECT.
17.	ALL WORK MUST BE COORDINATED SO AS NOT TO INTERFERE WITH NORMAL BUSINESS OF OWNER. THE ARCHITECT AND OWNER WILL REVIEW ALL CONSTRUCTION SCHEDULES AND PHASING OF PROJECT.

MECHANICAL SPECIFICATIONS	
1.	PIPING SHALL BE PROVIDED AND ERRECTED IN A WORKMANLIKE MANNER, ACCORDING TO THE BEST PRACTICE OF THE TRADE, THE PIPING SHOWN ON THE DRAWINGS AND THE REQUIREMENTS LAID FORTH IN THIS SPECIFICATION.
2.	CONDENSATE DRAIN PIPING SHALL BE SCH. 40 PVC WITH SOLVENT-WELDED FITTINGS.
3.	REFRIGERANT PIPING SHALL BE TYPE "K" COPPER OR ACR WITH SILVER SOLDER AND 250W WROUGHT COPPER FITTINGS.
4.	PIPE HANGERS SHALL BE OF THE CLEVIS STYLE, WITH ALL PIPING UNDER 1 1/4" SUPPORTED NO MORE THAN 6'-0" ON CENTERS, PROVIDE HANGER RODS OF SUITABLE LENGTH AND DIAMETER TO ADEQUATELY SUPPORT PIPING.
5.	ALL PIPING INSULATION SHALL BE INSTALLED AFTER ALL TESTING HAS BEEN COMPLETED AND APPROVED. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6.	INSULATION MUST MEET THE MAXIMUM FLAME SPREAD RATE OF 25 AND SMOKE DEVELOPED OF 50 OR LESS, AS TESTED IN ACCORDANCE WITH ASTM, NFPA, AND U.L. GUIDELINES.
7.	REFRIGERANT PIPING FOR MINISPLIT SHALL BE INSULATED PER MANUFACTURER'S INSTRUCTIONS. ALL EXPOSED PIPING SHALL BE COVERED IN A WEATHERPROOF A.S.J. INSULATION SHALL BE EQUAL TO ARMAFLEX 1" THICKNESS ON BOTH SUCTION AND LIQUID LINES. PROVIDE ALUMINUM JACKET WITH PVC FITTINGS FOR ALL EXTERIOR PIPING.
8.	PIPING SHALL BE TESTED FOR A PERIOD NOT LESS THAN FOUR (4) HOURS AT 1 1/2 TIMES THE MAXIMUM ALLOWABLE WORKING PRESSURE FOR THE SYSTEM.
9.	FURNISH AND INSTALL DUCTWORK WHERE INDICATED ON THE DRAWINGS.
10.	RECTANGULAR DUCTWORK, UNLESS NOTED OTHERWISE, SHALL BE GALVANIZED SHEET METAL FABRICATED AND INSTALLED TO THE LATEST SMACNA STANDARDS AND SECURED WITH SHEET METAL SCREWS.
11.	ROUND DUCTWORK, UNLESS NOTED OTHERWISE, SHALL BE SPIRAL DUCTWORK FABRICATED FROM GALVANIZED STEEL AND INSTALLED TO THE LATEST SMACNA STANDARDS. STANDARD CONNECTIONS ARE SLIP FIT WITH COUPLINGS OR SPIRALMATE.
12.	FLEXIBLE DUCTWORK SHALL BE CONTINUOUS GALVANIZED SPRING WIRE HELIX INSIDE POLYESTER CORE. 1 1/2" FIBERGLASS INSULATION WITH WOVEN GLASS SCORM AND POLYOLEFIN VAPOR BARRIER JACKET. LENGTH NOT TO EXCEED 8'-0".
13.	JOINTS SHALL BE SEALED WITH HIGH PRESSURE DUCT SEALANT PER SMACNA SEAL CLASS A.
14.	ALL DUCT AND DIFFUSER CLEANING SHALL BE DONE PER NADCA STANDARDS.
15.	SYSTEM AIR BALANCE SHALL BE COMPLETED BY A TAB CERTIFIED BALANCER. CONTRACTOR SHALL OPERATE ALL SYSTEMS FOR AS LONG AS NECESSARY TO TEST AIRFLOW AT ALL OPENINGS. ADJUST DAMPERS, AND FANS AND VAV BOXES AS REQUIRED UNTIL EVEN DISTRIBUTION AND REQUIRED CFM VALUES ARE OBTAINED THROUGHOUT. SUBMIT FOR APPROVAL TAB TEST REPORTS SHOWING ALL PERTINENT OPERATING DATA SUCH AS CFM AND FPM AT EACH OUTLET. BALANCE AIR VOLUME WITHIN 5% OF DESIGN VALUES. DURING ADJUSTMENT PERIOD, MAKE ALL NECESSARY SETTINGS AND ADJUSTMENTS OF TEMPERATURE REGULATING EQUIPMENT.
16.	HEATING HOT WATER PIPING SHALL BE TYPE "L" COPPER WITH SOLDERED WROUGHT COPPER FITTINGS AND JOINTS.
17.	VALVES ON PIPING 2" AND SMALLER SHALL BE BALL VALVES. ONE OR TWO PIECE, FULL PORT, BRASS OR BRONZE WITH STAINLESS STEEL TRIM.
18.	INSTALL VALVES AT EACH BRANCH CONNECTION.
19.	PIPING INSULATION SHALL BE 1" THICK MINERAL OR GLASS FIBERS WITH THERMOSETTING RESIN. COMPLY WITH ASTM C 547, TYPE 1 GRADE A WITH FACTORY SUPPLIED ASJ.
20.	ALL INSULATION SHALL MEET A MAXIMUM FLAME SPREAD RATE OF 25 AND SMOKE DEVELOPED OF 50 OR LESS, AS TESTED IN ACCORDANCE WITH ASTM, NFPA AND U.L. GUIDELINES.
21.	SYSTEM WATER BALANCE SHALL BE COMPLETED BY A TAB CERTIFIED BALANCER. CONTRACTOR SHALL OPERATE ALL SYSTEMS FOR AS LONG AS NECESSARY TO TEST FLOW AT ALL EQUIPMENT. ADJUST VALVES AND CIRCUIT SETTERS AS REQUIRED UNTIL EVEN DISTRIBUTION AND REQUIRED GPM VALUES ARE OBTAINED THROUGHOUT. SUBMIT FOR APPROVAL TAB TEST REPORTS SHOWING ALL PERTINENT OPERATING DATA SUCH AS GPM AND PRESSURE DROP THROUGH ALL EQUIPMENT. BALANCE WATER VOLUME WITHIN 5% OF DESIGN VALUES. DURING ADJUSTMENT PERIOD, MAKE ALL NECESSARY SETTINGS AND ADJUSTMENTS OF TEMPERATURE REGULATING EQUIPMENT.

GENERAL DEMOLITION NOTES	
1.	DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE WORK INDICATED HERewith, AS COORDINATED WITH WORK OF ALL OTHER TRADES. AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN EACH CONTRACTOR'S BASE BID TO PERFORM AND COMPLETE CONSTRUCTION, UNLESS OTHERWISE INDICATED.
2.	IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING MECHANICAL SYSTEMS THAT ARE NOT TO BE REUSED SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. ALL MECHANICAL DEVICES AND EQUIPMENT THAT ARE NO LONGER REQUIRED, WHETHER INDICATED ON THESE DRAWINGS OR NOT SHALL BE REMOVED UNLESS NOTED OTHERWISE.
3.	REMOVE ALL EXISTING WORK NECESSARY TO ACCOMMODATE ALL NEW WORK. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS AND PHYSICALLY INSPECT THE EXISTING CONDITIONS TO ASCERTAIN THE MAGNITUDE OF THE WORK REQUIRED. EXISTING WORK WHICH IS TO REMAIN IN SERVICE, BUT WHICH INTERFERES WITH THE NEW WORK SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS PROJECT.
4.	REMOVE ALL EQUIPMENT, MATERIAL, ETC., NO LONGER REQUIRED TO REMAIN IN SERVICE TO A POINT BEHIND FINISHED WALLS, FLOORS AND CEILINGS. CAP OR PLUG AS REQUIRED TO MAKE A SAFE AND OPERABLE REMAINING SYSTEM. CLOSE AND RESTORE ALL WALL, FLOOR AND CEILING OPENINGS CREATED BY REMOVALS. RESTORATION SHALL MATCH THE EXISTING SURROUNDING SURFACES.
5.	ITEMS TO BE RELOCATED OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.
6.	ALL ITEMS DESIGNATED AS "SALVAGED" SHALL BE PROTECTED AND TURNED OVER TO THE OWNER.
7.	IN THE EVENT ANY ITEM OR SYSTEM TO BE REMOVED OR RELOCATED, AS INDICATED ON THE DRAWINGS OR AS NECESSITATED BY ALTERATION OR NEW CONSTRUCTION IS IN ACTIVE USE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN SUCH USE UNTIL THE PERMANENT INSTALLATION IS COMPLETED.
8.	PROVIDE FOR REROUTING WORK IN EXISTING WALLS, FLOORS AND CEILINGS WHICH WILL BE DISTURBED OR WHICH WILL REQUIRE RELOCATION TO ACCOMMODATE THE NEW WORK OR ALTERATION.
9.	MECHANICAL DEMOLITION AND NEW WORK SHALL BE COORDINATED WITH MECHANICAL DEMOLITION DRAWINGS AND NOTES.
10.	REROUTE PIPING PASSING THROUGH DEMOLITION AREAS TO MAINTAIN CONTINUITY AND SERVICES TO OTHER EXISTING AREAS TO REMAIN.
11.	INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS WHICH MAY BE INACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL MECHANICAL SERVICES, PIPING, ETC. AND FIELD CONDITIONS PRIOR TO DEMOLITION, RECONNECTION AND NEW INSTALLATION.
12.	THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE TURNOVER OF MECHANICAL DEMOLITION DEVICES, ACCESSORIES, ETC. BEFORE DEMOLITION IN ALL SPACES SHOWN. ALL UNUSED MATERIALS AND EQUIPMENT ARE THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. OWNER RESERVES THE RIGHT TO RETAIN ANY MATERIAL, WHICH SHALL BE STORED ON SITE AT HIS DIRECTION. ALL OTHER MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
13.	PROVIDE ANY ADDITIONAL LABOR AND MATERIAL AS REQUIRED TO MAINTAIN ALL REMAINING MECHANICAL ITEMS OPERATIONAL FOR ALL EXISTING SERVICES THAT ARE EXISTING TO REMAIN.
14.	MECHANICAL WORK SHALL INCLUDE ALL REQUIRED CUTTING, PATCHING AND THE FULL RESTORATION OF WALL AND FLOOR STRUCTURE AND SURFACES. ALL EQUIPMENT, WALLS, FLOORS, ETC., DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL EMPLOY THE WORKMEN OF THE PROPER TRADES TO EXECUTE THIS WORK.
15.	SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING DEMOLITION, CUTTING AND PATCHING, FLASHING, FIRESTOPPING AND STRUCTURAL SUPPORTS.
16.	ALL SYSTEMS TO REMAIN THAT ARE DAMAGED DURING THE DEMOLITION PHASE OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
17.	CONDITIONS INDICATED AS EXISTING ARE TAKEN FROM FIELD OBSERVATION, WHILE ALL ATTEMPTS AT ACCURACY HAVE BEEN TAKEN, NO GUARANTEE OF AN EXACT REPRESENTATION OR COMPLETENESS IS IMPLIED. RESPONSIBILITY FOR FINAL VERIFICATION FALLS TO THE CONTRACTOR. ANY UNRESOLVED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
18.	LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
19.	CONTRACTORS SHALL VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS OR DISCREPANCIES ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.

APPLICABLE CODES (NJ)	
LISTED BELOW ARE THE CURRENT ADOPTED CODES UNDER THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE (U.C.C.):	
INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION	2021
INTERNATIONAL MECHANICAL CODE	2021
ENERGY SUBCODE - ASHRAE 90.1	2019
NATIONAL ELECTRICAL CODE (NFPA 70)	2020
NATIONAL STANDARD PLUMBING CODE	2021
INTERNATIONAL FUEL GAS CODE	2021
BARRIER FREE SUBCODE, CHAPTER 11 OF IBC	2021
NJ CONSTRUCTION CODE	NIAC 5:23
NJ REHABILITATION SUBCODE	NIAC 5:23-4
NJ BARRIER FREE SUBCODE	NIAC 5:23-12
ELEVATOR SUBCODE	NIAC 5:23-12
ANY WORK WHICH DEVIATES FROM SUCH STANDARDS SHALL BE RECTIFIED TO THE SATISFACTION OF THE GOVERNING AUTHORITY. THE REQUIREMENTS OF GOVERNING AUTHORITIES SHALL SUPERSEDE THE DRAWINGS AND SPECIFICATIONS IN ALL CASES. THE ENGINEER SHALL BE NOTIFIED BY WRITTEN CHANGE ORDER BEFORE SUCH WORK IS STARTED. NON-FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA CHARGE IN THE EVENT THAT WORK MUST BE REPLACED FOR NONCOMPLIANCE.	

CODE REVIEW:

CERTIFICATE:

spiezle

SPIEZZLE ARCHITECTURAL GROUP, INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
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STEVEN LANGVAW, PE

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE
RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

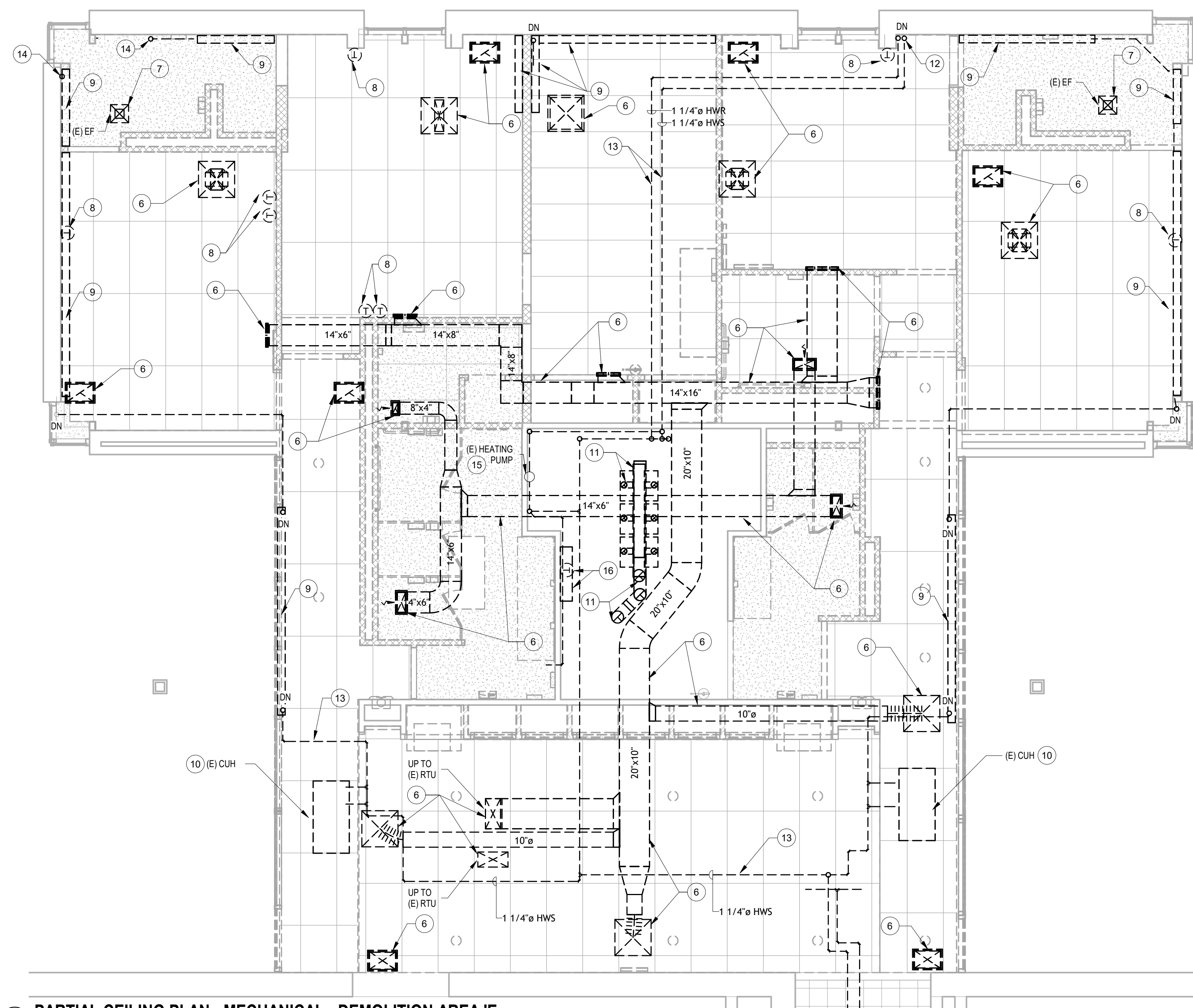
DRAWING NUMBER:
MO.0

FOR BID: 09/17/2026

DRAWING TITLE:
MECHANICAL GENERAL
NOTES, ABBREVIATIONS
AND LEGEND

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THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"



The diagram shows a floor plan with six rooms labeled A, B, C, D, E, and F. Room A is at the bottom left, B is below it, C is to the right of B, D is above C, E is to the right of D, and F is at the top right. An arrow points from the text "AREA OF WORK" to a dashed rectangular boundary around room D.

1 KEY PLAN - MD1.0
N.T.S.

CARD REVIEW:	
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BID DOCUMENTS

BUILDING E OFFICE
RENOVATION

FOR

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS

	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

MECHANICAL
DEMOLITION PARTIAL
FLOOR PLAN

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

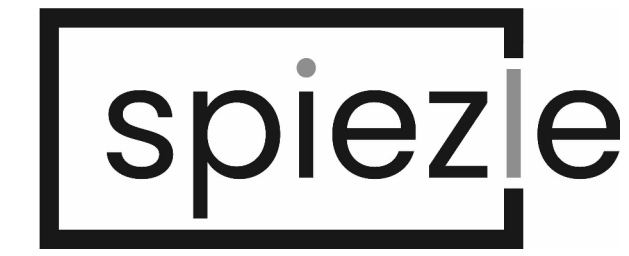
DRAWING NUMBER:

MD1.0

MECHANICAL DEMOLITION KEY NOTES	
Key Value	Keynote Text
1	REMOVE THE EXISTING HEATING HOT WATER SUPPLY AND RETURN PIPING IN ITS ENTIRETY.
2	REMOVE THE EXISTING CABINET UNIT HEATER IN ITS ENTIRETY. REMOVE THE ASSOCIATED PIPING AND MOUNTING HARDWARE.
3	REMOVE THE EXISTING THERMOSTAT AND ASSOCIATED CONTROL WIRING IN ITS ENTIRETY. CONTRACTOR SHALL FIELD-LOCATE THE EXISTING THERMOSTAT CORRESPONDING TO THE ASSOCIATED ROOFTOP UNIT (LOCATION SHOWN MAY NOT MATCH IN FIELD).
4	REMOVE THE EXISTING CENTRAL PLANT HOT WATER SUPPLY AND RETURN RISERS IN THEIR ENTIRETY DOWN TO BELOW THE FLOOR SLAB AND CAP. PATCH THE FLOOR SLAB TO MATCH EXISTING CONDITIONS.
5	PROVIDE PRE-DEMOLITION AIR READINGS FOR ENGINEERING REVIEW FOR ALL SPACES WITHIN THIS AREA. PROVIDE CFM READINGS AT ALL CONNECTED GRDS.
6	REMOVE THE EXISTING HWS BOOSTER PUMPS IN THEIR ENTIRETY.
7	THE EXISTING MEZZININE EQUIPMENT SHALL REMAIN. PREPARE PIPING FOR RECONNECTION.

CODE REVIEW:

CERTIFICATE:



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SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

MECHANICAL DEMOLITION PARTIAL FLOOR PLAN

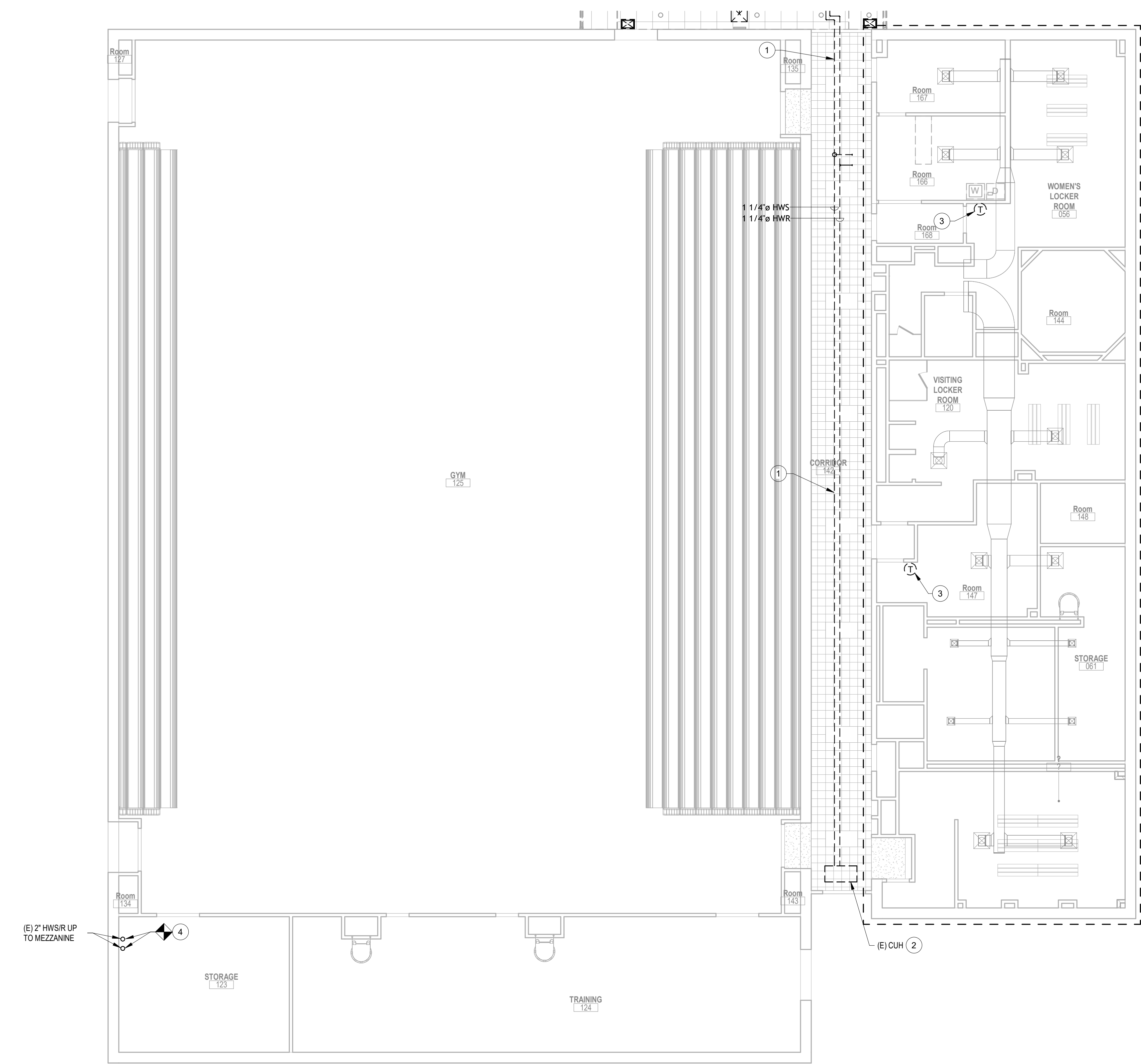
COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

MD1.1



MECHANICAL NEW WORK KEY NOTES	
Key Value	Keynote Text
1	PROVIDE HOT WATER SUPPLY AND RETURN PIPING IN LOCATION SHOWN.
2	PROVIDE HOT WATER SUPPLY AND RETURN PIPING IN LOCATION SHOWN. PIPING SHALL RUN UP THE WALL IN THE CORNER OF THE TRAINING ROOM.
3	PROVIDE 7-DAY PROGRAMMABLE WALL MOUNTED THERMOSTAT WITH LOCKABLE GUARD IN LOCATION OF PREVIOUS THERMOSTAT. PROVIDE CONTROL WIRING CONNECTION TO THE INDICATED EQUIPMENT.
4	PROVIDE CABINET UNIT HEATER AND ASSOCIATED PIPING IN LOCATION SHOWN.
5	BALANCE ALL AIRFLOWS TO MATCH PRE-DEMOLITION AIRFLOW READING VALUES.

CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609-695-7400

SIGNATURE:

THOMAS S. PERINO 2140105040
SCOTT E. ZOWIE 2140105040
STEVEN LEONE 2140110106
STEVEN S. BEDEL 2140105040
ANGELO ALBERTO 2140104870
JAMES J. INSPIRITUAL GROUP, INC. 2140105040
SPIEZLE ARCHITECTURAL GROUP, INC. 2140105040
STEVEN LANGAN, PE 2140105040

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
---	---------------	------

FOR BID:

09/17/2026

DRAWING TITLE:

MECHANICAL NEW WORK PARTIAL FLOOR PLAN

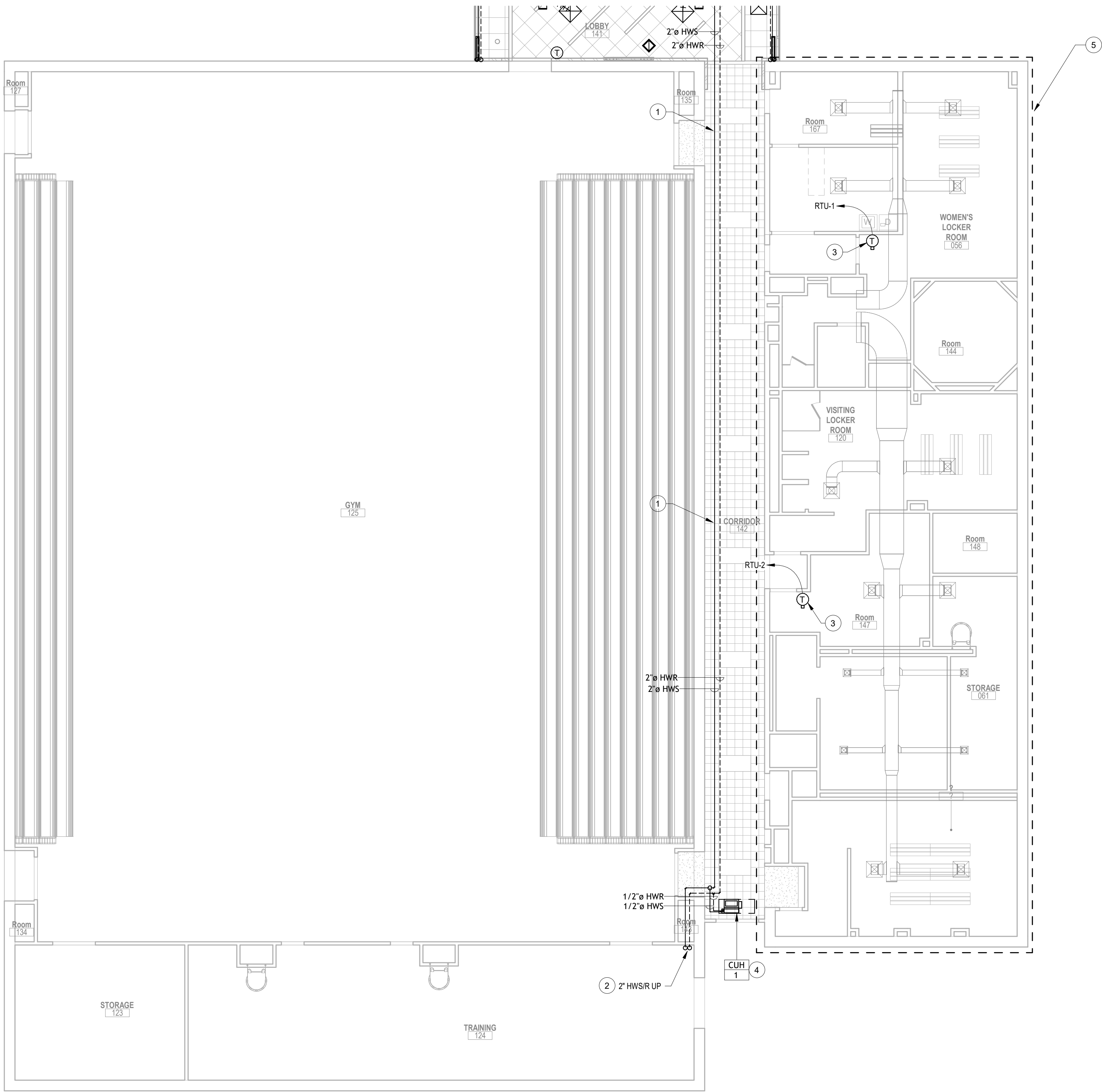
COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

M1.1



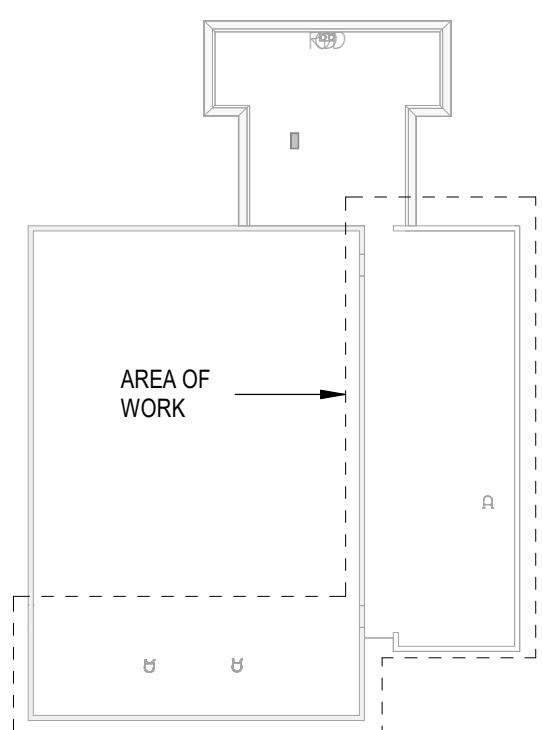
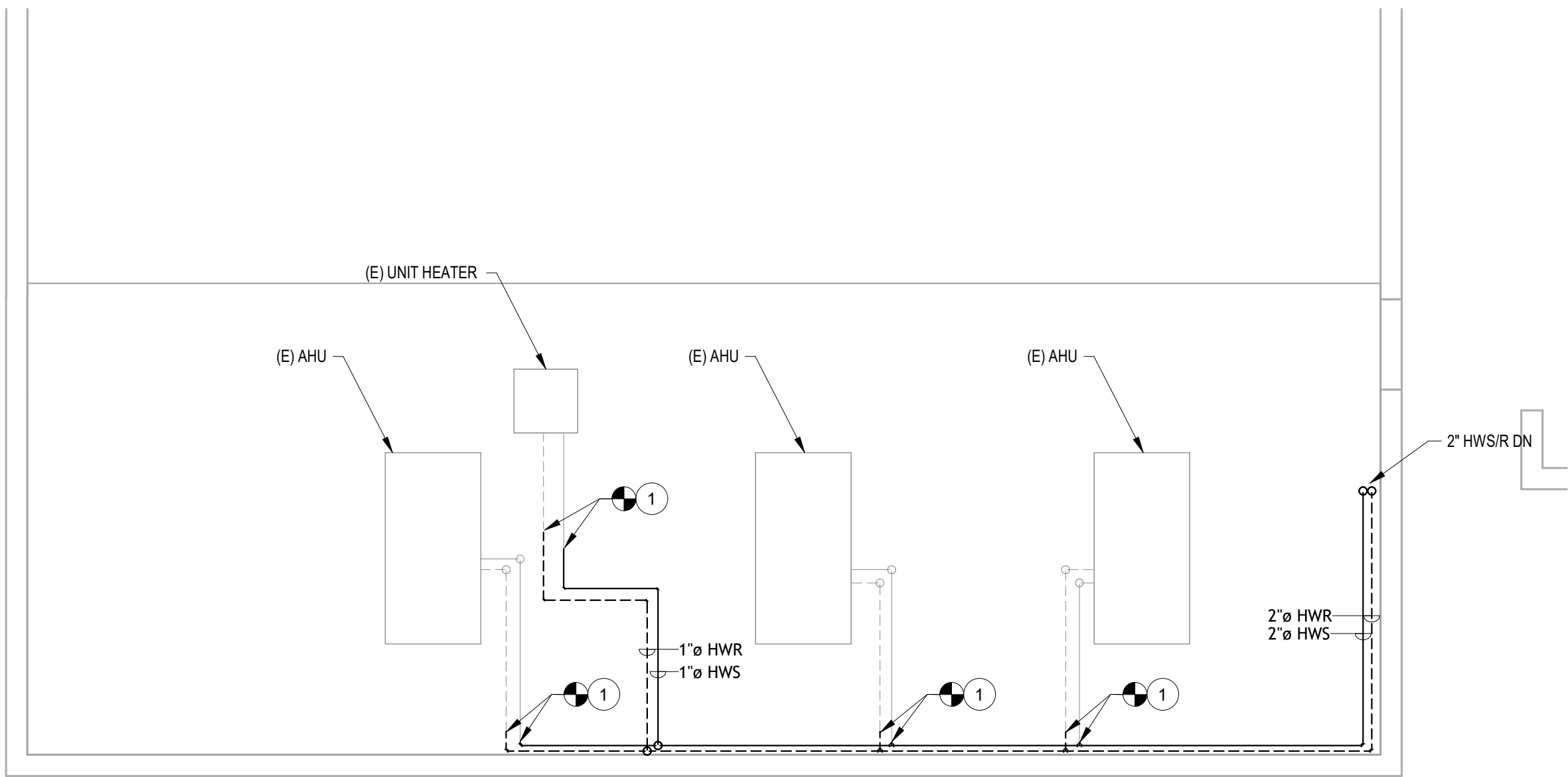
PARTIAL CEILING PLAN - MECHANICAL - NEW WORK AREA 'E'

CORRIDOR

18' = 1'-0"

2 PARTIAL CEILING PLAN - MECHANICAL - NEW WORK GYM MEZZANINE

18' = 1'-0"



3 KEY PLAN - M1.1

N.T.S.

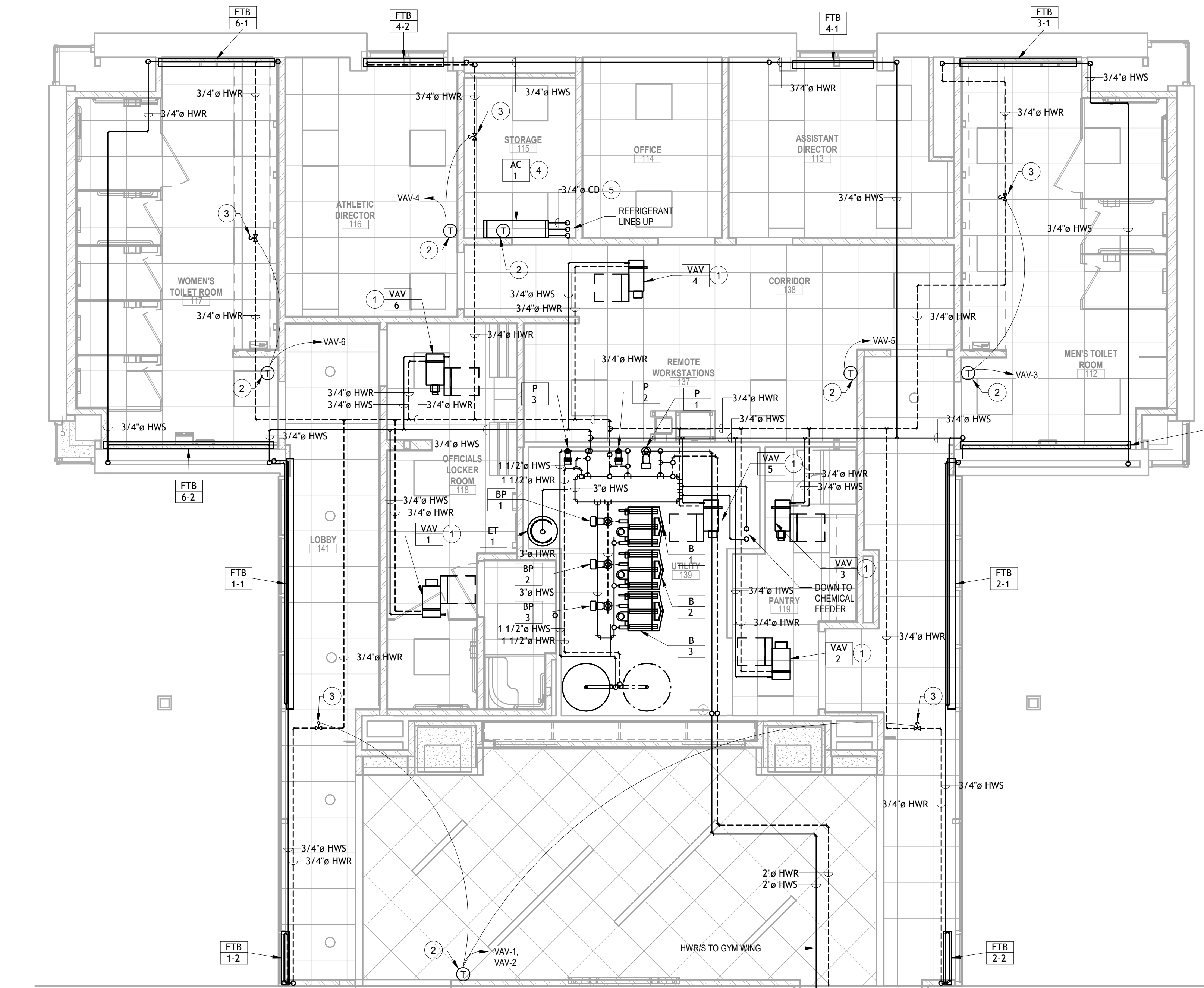
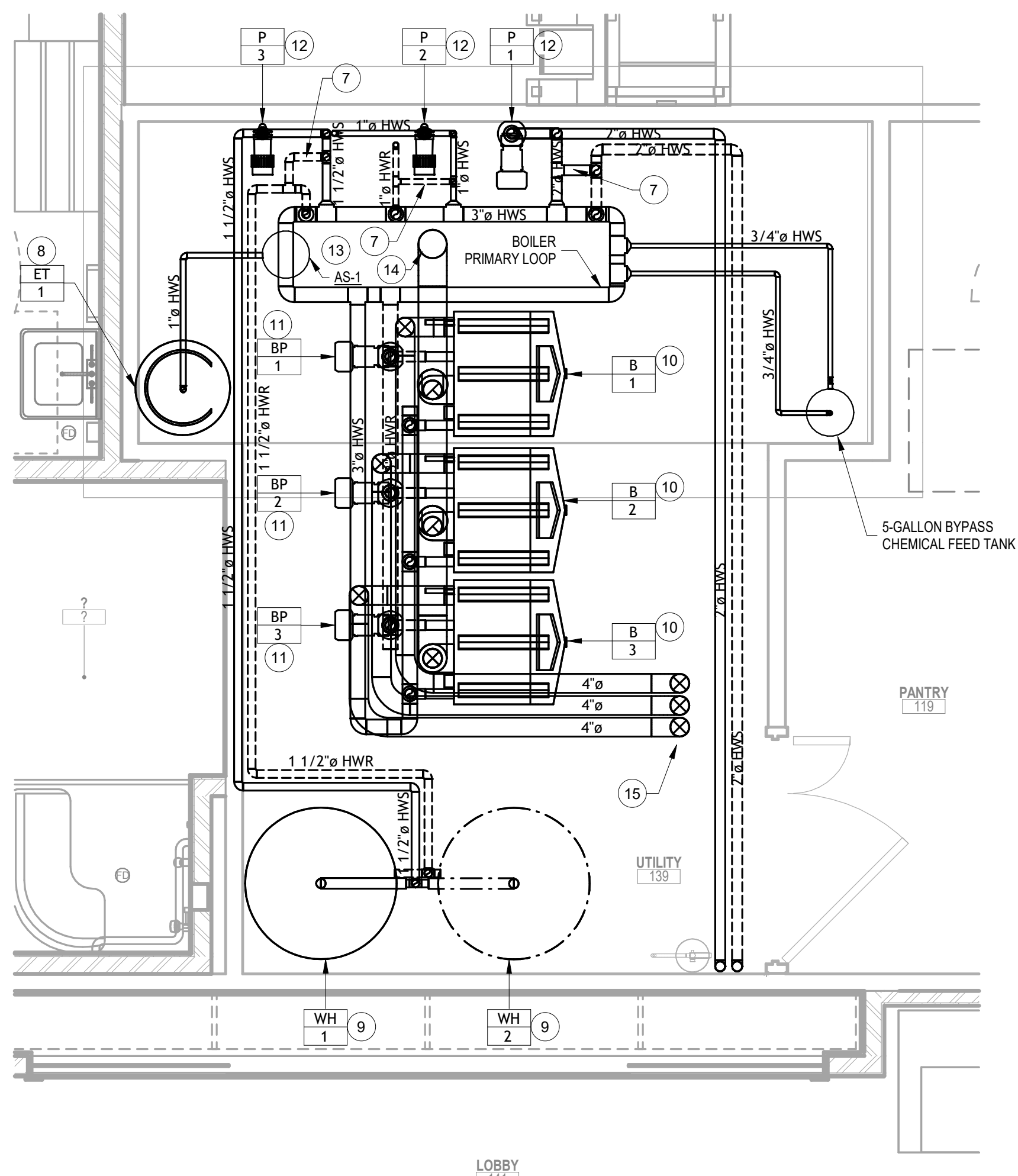

$$\frac{1}{4}^{\circ} = 1'-0''$$

Figure 1 illustrates a 3D perspective view of a complex, multi-jointed structure, possibly a bridge or a large-scale architectural component. The structure is composed of several interconnected beams and columns, forming a network of joints. The joints are labeled with numbers and letters, and their parameters are provided in a table-like format. The parameters include joint numbers (e.g., 01, 02, 03, 04, 05, 06, 07, 10), joint types (e.g., L, T, H, H+L), and joint dimensions (e.g., L=2' 1/4", T=1' 1/4", H=2"). The diagram also shows the overall dimensions of the structure, such as 1' 10" and 1' 10".

- ### 3 BOILER EXHAUST FLUE VENTING DETAIL



(2) $1/2^\circ = 1'-0''$

CODE REVIEW:

CERTIFICATE:



SIGNATURE: _____

THOMAS S. PERRINO	21AJ01505400
SCOTT E. DOWNE	21AJ01674400
STEVEN LEONE	21AJ01170100
STEVEN G. SIEGEL	21AJ01564200
ANGELO ALBERTO	21AJ01046700
JOHN F. WRIGHT	21AJ01784200
SPEZLE ARCHITECTURAL GROUP, INC.	21AC00063000
STEVEN LANGAN, PE	21AC00434700

SEAL

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE
RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

MECHANICAL NEW
WORK PARTIAL FLOOR
PLAN

COMMISSION NUMBER:

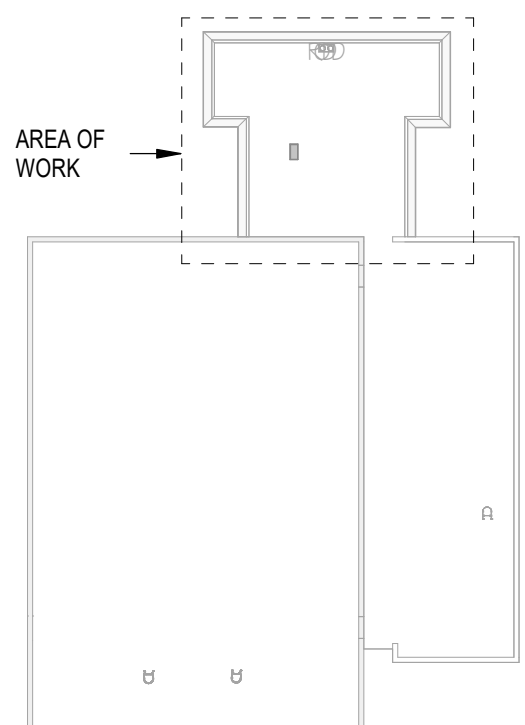
25U012

DO NOT SCALE THE DRAWINGS

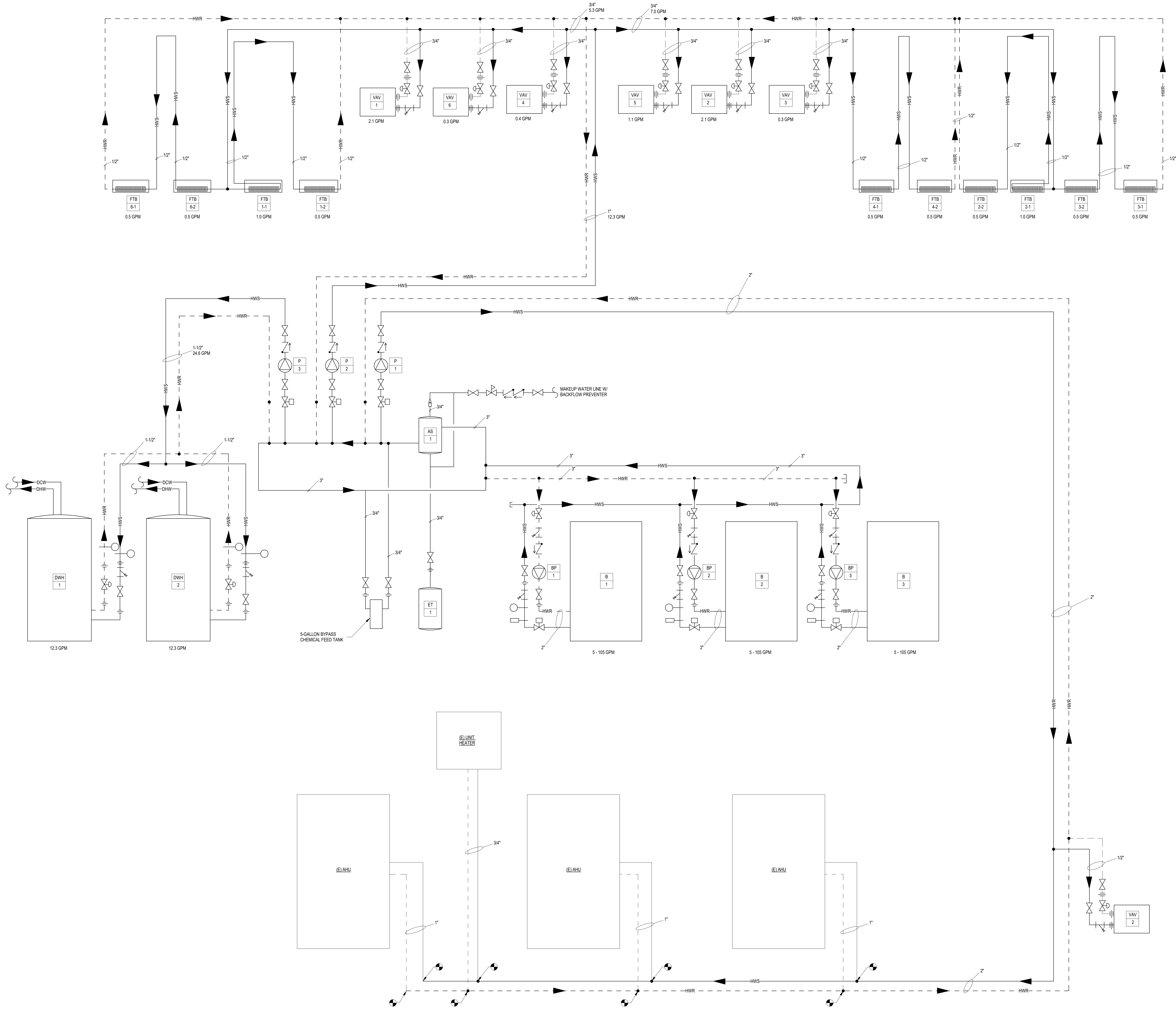
DRAWING NUMBER:

M2.0

4 KEY PLAN - M2.0
N.T.S.



3"=1'-0"
1 1/2"=1'-0"
1"=1'-0"
3/4"=1'-0"
1/2"=1'-0"
1/4"=1'-0"
1/8"=1'-0"
1/16"=1'-0"



1 HOT WATER FLOW DIAGRAM
N.T.S.

CODE REVIEW:

CERTIFICATE:



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1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609-695-7400

SIGNATURE:

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STEVEN BEDEL	21A01050400
ANGELO ALBERTO	21A01050400
JAMES P. INSPIRATIONAL GROUP, INC.	21A01050400
SPIEZIE ARCHITECTURAL GROUP, INC.	21A01050400
STEVEN LANGAN, PE	21A01050400

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
---	---------------	------

FOR BID:

09/17/2026

DRAWING TITLE:

MECHANICAL FLOW DIAGRAMS

COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

M3.0

VENTILATION SCHEDULE															
ROOM NUMBER	ROOM NAME	AREA	VOLUME	IBC OCCUPANCY	ACTUAL OCCUPANCY	SUPPLY CFM	IMC VENTILATION REQUIREMENT	REQUIRED CFM	ACTUAL VENTILATION CFM	OUTSIDE AIR %	OUTDOOR AIR CHANGES PER HOUR		TOTAL AIR CHANGES PER HOUR		PRESSURE RELATIONSHIP TO ADJACENT AREA
							VENTILATION RATE				REQUIRED	ACTUAL	REQUIRED	ACTUAL	
141	LOBBY	750	7500	23	20	1440	7.5CFM/PERSON 0.06 CFM/SF	195	195	14%	1.6	1.6	NR	11.5	NEUTRAL
117	WOMEN'S TOILET ROOM	226	2260	0	0	200	50CFM/20SQFT	N/A	0	0%	0.0	0.0	NR	5.3	NEUTRAL
116	ATHLETIC DIRECTOR	140	1400	1	1	140	5CFM/PERSON 0.06 CFM/SF	30	30	21%	1.3	1.3	NR	6.0	NEUTRAL
115	STORAGE	55	550	0	0	0	N/A	0	0	0%	0.0	0.0	NR	0.0	NEUTRAL
114	OFFICE	78	780	1	1	60	5CFM/PERSON 0.06 CFM/SF	22	22	37%	1.7	1.7	NR	4.6	NEUTRAL
113	ASSISTANT DIRECTOR	119	1190	1	1	140	5CFM/PERSON 0.06 CFM/SF	26	30	21%	1.3	1.5	NR	7.1	NEUTRAL
112	MEN'S TOILET ROOM	226	2260	0	0	200	50CFM/20SQFT	N/A	0	0%	0.0	0.0	NR	5.3	NEUTRAL
137	REMOTE WORK STATIONS	123	1230	1	1	125	5CFM/PERSON 0.06 CFM/SF	30	30	24%	1.4	1.5	NR	6.1	NEUTRAL
118	OFFICIAL'S LOCKER ROOM	135	1350	0	0	90	0.25 CFM/SF	16	16	18%	0.7	0.7	NR	4.0	NEUTRAL
119	PANTRY	82	820	0	0	105	0.06 CFM/SF	10	10	10%	0.7	0.7	NR	7.7	NEUTRAL

ROOF TOP UNIT SCHEDULE

UNIT ID	BASIS OF DESIGN		AREA SERVED	NOMINAL TONS	AIRFLOW (CFM)	OUTSIDE AIR (CFM)	SUPPLY FAN				RETURN AIR FAN				COOLING SECTION				HEATING SECTION				NATURAL GAS PRESS. (N. W.C.) MIN.	NATURAL GAS PRESS. (N. W.C.) MAX	CONDENSER SECTION			FILTER		UNIT EFFICIENCY		ELECTRICAL				APPROX. WEIGHT (LBS)	NOTES		
	MANUFACTURE	MODEL					MOTOR HP	MOTOR RPM	AIRFLOW (TOTAL CFM)	TOTAL S.P. (N. W.C.)	MOTOR HP	MOTOR RPM	AIRFLOW (TOTAL CFM)	TOTAL S.P. (N. W.C.)	MOTOR HP	MOTOR RPM	TOTAL MBH	SENSIBLE MBH	EAT DBW	LAT DBW	INPUT MBH	OUTPUT MBH			EAT	LAT	TEMP RISE	HEAT STAGES	QUAN.	COMPRESSOR TYPE	CONDENSER FAN TYPE	THICKNESS	TYPE	IEER	EER			V/PHHZ	FLA
ATLANTIC CARE COMMUNITY COLLEGE																																							
RTU-1	DAIKIN	DHG0604WM00408C	WOMENS LOCKER	5	2100	500	2100	0.91	2.3	-	2100	-	-	-	60.037	46.024	80.67	60.158	115	93.2	55.0	95.60	40.6	2	-	-	1	SCROLL	-	2"	MERV-13	12.2	16.2	460/603	13.5	15.3	20	655	1.2-4.16
RTU-2	DAIKIN	DHG0604WM00408C	MENS LOCKER	5	2100	500	2100	0.91	2.3	-	2100	-	-	-	60.037	46.024	80.67	60.158	115	93.2	55.0	95.60	40.6	2	-	-	1	SCROLL	-	2"	MERV-13	12.2	16.2	460/603	13.5	15.3	20	655	1.3-16
RTU-3	DAIKIN	DPSC06B	OFFICES / ENTRANCE	6	2500	625	2500	2.1	3.0	2352	2500	0.50	2.1	2670	76.077	59.936	80.67	56.956/9	80	64.8	60.0	83.90	40.6	2	5	14	1	INVERT-SCROLL	SVIS/AF	2"	MERV-13	11.2	21.1	460/603	18.4	20.7	25	1105	1.3-14

NOTES

1. UNIT SHALL BE SINGLE ZONE VAV WITH MODULATING HOT GAS REHEAT, 2 STAGE COOLING, AND 2 STAGE NATURAL GAS HEATING.
2. PROVIDE ROOF CURB WITH VIBRATION ISOLATION AS REQUIRED.
3. PROVIDE ADAPTER CURB WITH VIBRATION ISOLATION AS REQUIRED TO FIELD MEASURE ALL REQUIRED DIMENSIONS TO PROVIDE ADAPTER CURB.
4. UNIT POWERED 120V 20A GFCI CONVENIENCE OUTLET.
5. 7 DAY PROGRAMMABLE THERMOSTAT WITH LOCKABLE COVER.
6. CO2 DEMAND VENTILATION SENSOR WITH LOCKABLE COVER.
7. ZONE HUMIDITY SENSOR TO CONTROL HOT GAS REHEAT DURING UNOCCUPIED PERIODS.
8. COMPARATIVE ENTHALPY ECONOMIZER.
9. FACTORY OUTLETTED, WIRING, AND COMMISSIONED DDC CONTROLS WITH BACNET INTERFACE TO EXISTING BAS.
10. INTEGRAL UNIT MOUNTED DISCONNECT WITH SINGLE POINT POWER CONNECTION.
11. STAINLESS STEEL DRAIN PAN.
12. DIRECT DRIVE SUPPLY AIR FAN WITH PREMIUM EFFICIENCY MOTOR AND VFD.
13. EER AND SEER RATINGS ARE AT STANDARD CONDITIONS PER RATING SHALL MEET AHRJ 34030/90 REQUIREMENTS. EER RATING SHALL MEET ANSI/AHRI 340/390 2019.
14. FACTORY WARRANTY SHALL BE 12 MONTHS PARTS AND LABOR FROM START UP. YEAR 1 YEAR 2 YEAR 3 YEAR 4 YEAR 5 YEAR 6 YEAR 7 YEAR 8 YEAR 9 YEAR 10 YEAR 11 YEAR 12 YEAR 13 YEAR 14 YEAR 15 YEAR 16 YEAR 17 YEAR 18 YEAR 19 YEAR 20 YEAR 21 YEAR 22 YEAR 23 YEAR 24 YEAR 25 YEAR 26 YEAR 27 YEAR 28 YEAR 29 YEAR 30 YEAR 31 YEAR 32 YEAR 33 YEAR 34 YEAR 35 YEAR 36 YEAR 37 YEAR 38 YEAR 39 YEAR 40 YEAR 41 YEAR 42 YEAR 43 YEAR 44 YEAR 45 YEAR 46 YEAR 47 YEAR 48 YEAR 49 YEAR 50 YEAR 51 YEAR 52 YEAR 53 YEAR 54 YEAR 55 YEAR 56 YEAR 57 YEAR 58 YEAR 59 YEAR 60 YEAR 61 YEAR 62 YEAR 63 YEAR 64 YEAR 65 YEAR 66 YEAR 67 YEAR 68 YEAR 69 YEAR 70 YEAR 71 YEAR 72 YEAR 73 YEAR 74 YEAR 75 YEAR 76 YEAR 77 YEAR 78 YEAR 79 YEAR 80 YEAR 81 YEAR 82 YEAR 83 YEAR 84 YEAR 85 YEAR 86 YEAR 87 YEAR 88 YEAR 89 YEAR 90 YEAR 91 YEAR 92 YEAR 93 YEAR 94 YEAR 95 YEAR 96 YEAR 97 YEAR 98 YEAR 99 YEAR 100 YEAR 101 YEAR 102 YEAR 103 YEAR 104 YEAR 105 YEAR 106 YEAR 107 YEAR 108 YEAR 109 YEAR 110 YEAR 111 YEAR 112 YEAR 113 YEAR 114 YEAR 115 YEAR 116 YEAR 117 YEAR 118 YEAR 119 YEAR 120 YEAR 121 YEAR 122 YEAR 123 YEAR 124 YEAR 125 YEAR 126 YEAR 127 YEAR 128 YEAR 129 YEAR 130 YEAR 131 YEAR 132 YEAR 133 YEAR 134 YEAR 135 YEAR 136 YEAR 137 YEAR 138 YEAR 139 YEAR 140 YEAR 141 YEAR 142 YEAR 143 YEAR 144 YEAR 145 YEAR 146 YEAR 147 YEAR 148 YEAR 149 YEAR 150 YEAR 151 YEAR 152 YEAR 153 YEAR 154 YEAR 155 YEAR 156 YEAR 157 YEAR 158 YEAR 159 YEAR 160 YEAR 161 YEAR 162 YEAR 163 YEAR 164 YEAR 165 YEAR 166 YEAR 167 YEAR 168 YEAR 169 YEAR 170 YEAR 171 YEAR 172 YEAR 173 YEAR 174 YEAR 175 YEAR 176 YEAR 177 YEAR 178 YEAR 179 YEAR 180 YEAR 181 YEAR 182 YEAR 183 YEAR 184 YEAR 185 YEAR 186 YEAR 187 YEAR 188 YEAR 189 YEAR 190 YEAR 191 YEAR 192 YEAR 193 YEAR 194 YEAR 195 YEAR 196 YEAR 197 YEAR 198 YEAR 199 YEAR 200 YEAR 201 YEAR 202 YEAR 203 YEAR 204 YEAR 205 YEAR 206 YEAR 207 YEAR 208 YEAR 209 YEAR 210 YEAR 211 YEAR 212 YEAR 213 YEAR 214 YEAR 215 YEAR 216 YEAR 217 YEAR 218 YEAR 219 YEAR 220 YEAR 221 YEAR 222 YEAR 223 YEAR 224 YEAR 225 YEAR 226 YEAR 227 YEAR 228 YEAR 229 YEAR 230 YEAR 231 YEAR 232 YEAR 233 YEAR 234 YEAR 235 YEAR 236 YEAR 237 YEAR 238 YEAR 239 YEAR 240 YEAR 241 YEAR 242 YEAR 243 YEAR 244 YEAR 245 YEAR 246 YEAR 247 YEAR 248 YEAR 249 YEAR 250 YEAR 251 YEAR 252 YEAR 253 YEAR 254 YEAR 255 YEAR 256 YEAR 257 YEAR 258 YEAR 259 YEAR 260 YEAR 261 YEAR 262 YEAR 263 YEAR 264 YEAR 265 YEAR 266 YEAR 267 YEAR 268 YEAR 269 YEAR 270 YEAR 271 YEAR 272 YEAR 273 YEAR 274 YEAR 275 YEAR 276 YEAR 277 YEAR 278 YEAR 279 YEAR 280 YEAR 281 YEAR 282 YEAR 283 YEAR 284 YEAR 285 YEAR 286 YEAR 287 YEAR 288 YEAR 289 YEAR 290 YEAR 291 YEAR 292 YEAR 293 YEAR 294 YEAR 295 YEAR 296 YEAR 297 YEAR 298 YEAR 299 YEAR 300 YEAR 301 YEAR 302 YEAR 303 YEAR 304 YEAR 305 YEAR 306 YEAR 307 YEAR 308 YEAR 309 YEAR 310 YEAR 311 YEAR 312 YEAR 313 YEAR 314 YEAR 315 YEAR 316 YEAR 317 YEAR 318 YEAR 319 YEAR 320 YEAR 321 YEAR 322 YEAR 323 YEAR 324 YEAR 325 YEAR 326 YEAR 327 YEAR 328 YEAR 329 YEAR 330 YEAR 331 YEAR 332 YEAR 333 YEAR 334 YEAR 335 YEAR 336 YEAR 337 YEAR 338 YEAR 339 YEAR 340 YEAR 341 YEAR 342 YEAR 343 YEAR 344 YEAR 345 YEAR 346 YEAR 347 YEAR 348 YEAR 349 YEAR 350 YEAR 351 YEAR 352 YEAR 353 YEAR 354 YEAR 355 YEAR 356 YEAR 357 YEAR 358 YEAR 359 YEAR 360 YEAR 361 YEAR 362 YEAR 363 YEAR 364 YEAR 365 YEAR 366 YEAR 367 YEAR 368 YEAR 369 YEAR 370 YEAR 371 YEAR 372 YEAR 373 YEAR 374 YEAR 375 YEAR 376 YEAR 377 YEAR 378 YEAR 379 YEAR 380 YEAR 381 YEAR 382 YEAR 383 YEAR 384 YEAR 385 YEAR 386 YEAR 387 YEAR 388 YEAR 389 YEAR 390 YEAR 391 YEAR 392 YEAR 393 YEAR 394 YEAR 395 YEAR 396 YEAR 397 YEAR 398 YEAR 399 YEAR 400 YEAR 401 YEAR 402 YEAR 403 YEAR 404 YEAR 405 YEAR 406 YEAR 407 YEAR 408 YEAR 409 YEAR 410 YEAR 411 YEAR 412 YEAR 413 YEAR 414 YEAR 415 YEAR 416 YEAR 417 YEAR 418 YEAR 419 YEAR 420 YEAR 421 YEAR 422 YEAR 423 YEAR 424 YEAR 425 YEAR 426 YEAR 427 YEAR 428 YEAR 429 YEAR 430 YEAR 431 YEAR 432 YEAR 433 YEAR 434 YEAR 435 YEAR 436 YEAR 437 YEAR 438 YEAR 439 YEAR 440 YEAR 441 YEAR 442 YEAR 443 YEAR 444 YEAR 445 YEAR 446 YEAR 447 YEAR 448 YEAR 449 YEAR 450 YEAR 451 YEAR 452 YEAR 453 YEAR 454 YEAR 455 YEAR 456 YEAR 457 YEAR 458 YEAR 459 YEAR 460 YEAR 461 YEAR 462 YEAR 463 YEAR 464 YEAR 465 YEAR 466 YEAR 467 YEAR 468 YEAR 469 YEAR 470 YEAR 471 YEAR 472 YEAR 473 YEAR 474 YEAR 475 YEAR 476 YEAR 477 YEAR 478 YEAR 479 YEAR 480 YEAR 481 YEAR 482 YEAR 483 YEAR 484 YEAR 485 YEAR 486 YEAR 487 YEAR 488 YEAR 489 YEAR 490 YEAR 491 YEAR 492 YEAR 493 YEAR 494 YEAR 495 YEAR 496 YEAR 497 YEAR 498 YEAR 499 YEAR 500 YEAR 501 YEAR 502 YEAR 503 YEAR 504 YEAR 505 YEAR 506 YEAR 507 YEAR 508 YEAR 509 YEAR 510 YEAR 511 YEAR 512 YEAR 513 YEAR 514 YEAR 515 YEAR 516 YEAR 517 YEAR 518 YEAR 519 YEAR 520 YEAR 521 YEAR 522 YEAR 523 YEAR 524 YEAR 525 YEAR 526 YEAR 527 YEAR 528 YEAR 529 YEAR 530 YEAR 531 YEAR 532 YEAR 533 YEAR 534 YEAR 535 YEAR 536 YEAR 537 YEAR 538 YEAR 539 YEAR 540 YEAR 541 YEAR 542 YEAR 543 YEAR 544 YEAR 545 YEAR 546 YEAR 547 YEAR 548 YEAR 549 YEAR 550 YEAR 551 YEAR 552 YEAR 553 YEAR 554 YEAR 555 YEAR 556 YEAR 557 YEAR 558 YEAR 559 YEAR 560 YEAR 561 YEAR 562 YEAR 563 YEAR 564 YEAR 565 YEAR 566 YEAR 567 YEAR 568 YEAR 569 YEAR 570 YEAR 571 YEAR 572 YEAR 573 YEAR 574 YEAR 575 YEAR 576 YEAR 577 YEAR 578 YEAR 579 YEAR 580 YEAR 581 YEAR 582 YEAR 583 YEAR 584 YEAR 585 YEAR 586 YEAR 587 YEAR 588 YEAR 589 YEAR 590 YEAR 591 YEAR 592 YEAR 593 YEAR 594 YEAR 595 YEAR 596 YEAR 597 YEAR 598 YEAR 599 YEAR 600 YEAR 601 YEAR 602 YEAR 603 YEAR 604 YEAR 605 YEAR 606 YEAR 607 YEAR 608 YEAR 609 YEAR 610 YEAR 611 YEAR 612 YEAR 613 YEAR 614 YEAR 615 YEAR 616 YEAR 617 YEAR 618 YEAR 619 YEAR 620 YEAR 621 YEAR 622 YEAR 623 YEAR 624 YEAR 625 YEAR 626 YEAR 627 YEAR 628 YEAR 629 YEAR 630 YEAR 631 YEAR 632 YEAR 633 YEAR 634 YEAR 635 YEAR 636 YEAR 637 YEAR 638 YEAR 639 YEAR 640 YEAR 641 YEAR 642 YEAR 643 YEAR 644 YEAR 645 YEAR 646 YEAR 647 YEAR 648 YEAR 649 YEAR 650 YEAR 651 YEAR 652 YEAR 653 YEAR 654 YEAR 655 YEAR 656 YEAR 657 YEAR 658 YEAR 659 YEAR 660 YEAR 661 YEAR 662 YEAR 663 YEAR 664 YEAR 665 YEAR 666 YEAR 667 YEAR 668 YEAR 669 YEAR 670 YEAR 671 YEAR 672 YEAR 673 YEAR 674 YEAR 675 YEAR 676 YEAR 677 YEAR 678 YEAR 679 YEAR 680 YEAR 681 YEAR 682 YEAR 683 YEAR 684 YEAR 685 YEAR 686 YEAR 687 YEAR 688 YEAR 689 YEAR 690 YEAR 691 YEAR 692 YEAR 693 YEAR 694 YEAR 695 YEAR 696 YEAR 697 YEAR 698 YEAR 699 YEAR 700 YEAR 701 YEAR 702 YEAR 703 YEAR 704 YEAR 705 YEAR 706 YEAR 707 YEAR 708 YEAR 709 YEAR 710 YEAR 711 YEAR 712 YEAR 713 YEAR 714 YEAR 715 YEAR 716 YEAR 717 YEAR 718 YEAR 719 YEAR 720 YEAR 721 YEAR 722 YEAR 723 YEAR 724 YEAR 725 YEAR 726 YEAR 727 YEAR 728 YEAR 729 YEAR 730 YEAR 731 YEAR 732 YEAR 733 YEAR 734 YEAR 735 YEAR 736 YEAR 737 YEAR 738 YEAR 739 YEAR 740 YEAR 741 YEAR 742 YEAR 743 YEAR 744 YEAR 745 YEAR 746 YEAR 747 YEAR 748 YEAR 749 YEAR 750 YEAR 751 YEAR 752 YEAR 753 YEAR 754 YEAR 755 YEAR 756 YEAR 757 YEAR 758 YEAR 7

EXHAUST FAN SCHEDULE

UNIT ID	BASIS OF DESIGN		AREA SERVED	FAN TYPE	FLOW (CFM)	EXTERNAL S.P. (IN W.C.)	DRIVE TYPE	SONES/ DECIBELS	MOTOR RPM	MOTOR BHP/KW	ELECTRICAL			APPROX WEIGHT (LBS)	NOTES
	MANUFACTURER	MODEL									V/PH/Hz	FLA	MOCp		
EF-1	GREENHECK	G-080-VG	WOMEN'S TOILET ROOM 117	CENTRIFUGAL	480	0.5	DIRECT	8.1	1,800	0.070/1	120/160	1.5	15	40	1-5
EF-2	GREENHECK	G-080-VG	MEN'S TOILET ROOM 112	CENTRIFUGAL	290	0.5	DIRECT	8.1	1,800	0.070/1	120/160	1.5	15	40	1-5
EF-3	GREENHECK	G-090-VG	UTILITY 139	CENTRIFUGAL	400	0.5	DIRECT	8.1	1,472	0.070/1	120/160	1.5	15	40	1-5

NOT

1. PROVIDE HIGH EFFICIENCY/NEMA PREMIUM MOTOR.
2. PROVIDE BACKDRAFT DAMPER.
3. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.
4. PROVIDE DUCT CONNECTORS.
5. PROVIDE CONTROLS INTERLOCK WITH AIR CONDITIONING SYSTEM.

VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
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88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

UNIT ID	BASIS OF DESIGN			AREA SERVED	AIRFLOW (CFM)	MIN AIRFLOW (CFM)	EAT (F)	LAT (F) (COOLING)	LAT (F) (HEATING)	MBH (HEATING)	FLUID DATA			APPROX. WEIGHT (LBS)	NOTES	
	MANUFACTURE	MODEL	SIZE								ENT (F)	LWT (F)	GPM			FLUID PRESS DROP
VAV-1	PRICE	SDV VANTAGE	8	LOBBY #141	720	360	55	55	105	19.6	140	121.4	2.1	-	29	1-6
VAV-2	PRICE	SDV VANTAGE	8	LOBBY #141	720	360	55	55	105	19.6	140	121.4	2.1	-	29	1-6
VAV-3	PRICE	SDV VANTAGE	4	MEN'S TOILET ROOM #112	190	95	55	55	105	5.2	140	106.4	0.3	-	23	1-6
VAV-4	PRICE	SDV VANTAGE	6	MULTIPLE (SEE PLANS)	240	120	55	55	105	6.6	140	108.9	0.4	-	23	1-6
VAV-5	PRICE	SDV VANTAGE	6	MULTIPLE (SEE PLANS)	420	210	55	55	105	11.5	140	118.4	1.1	-	23	1-6
VAV-6	PRICE	SDV VANTAGE	4	WOMEN'S TOILET ROOM #117	190	95	55	55	105	5.2	140	106.4	0.3	-	23	1-6

NOTE

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE SOUND ATTENUATOR OPTION.
3. PROVIDE PIPING PACKAGE WITH ALL REQUIRED VALVES.
4. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT WITH LOCKABLE GUARD.
5. PROVIDE 24V LINE VOLTAGE TRANSFORMER.
6. PROVIDE UNIT MOUNTED BAS CONTROLS INTERFACE WITH PROTECTIVE COVER

FIN TUBE RADIATOR PANEL SCHEDULE

UNIT ID	BASIS OF DESIGN		LENGTH FT	HEIGHT	TUBE THICKNESS	AVERAGE WATER TEMP	ENTERING AIR TEMP	GPM	NOTES
	MANUFACTURE	MODEL							
FTB-1-1	STERLING	JDVPR2	12"	11"	0.048"	160°F	65°F	1	1-4
FTB-1-2	STERLING	JDVPR2	2'-6"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-2-1	STERLING	JDVPR2	12"	11"	0.048"	160°F	65°F	1	1-4
FTB-2-2	STERLING	JDVPR2	2'-6"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-3-1	STERLING	JDVPR2	6'-8"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-3-2	STERLING	JDVPR2	9'-9"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-4-1	STERLING	JDVPR2	4'-6"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-4-2	STERLING	JDVPR2	4'-6"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-6-1	STERLING	JDVPR2	6'-8"	11"	0.048"	160°F	65°F	0.5	1-4
FTB-6-2	STERLING	JDVPR2	9'-9"	11"	0.048"	160°F	65°F	0.5	1-4

NOT

- NOTES:
1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
 2. BASEBOARD SHALL HAVE TYPE A SUPPLY CONNECTIONS.
 3. COLOR OF THE FINISH PAINT SHALL BE SELECTED BY ARCHITECT.
 4. PROVIDE CONTROL VALVE WITH UNIT TO BE HOUSED WITHIN BASEBOARD HOUSING.

CABINET UNIT HEATER SCHEDULE

UNIT ID	BASIS OF DESIGN		AREA SERVED	AIRFLOW (CFM)	MOTOR HP	HEATING SECTION								ELECTRICAL			APPROX. WEIGHT (LBS)	NOTES
	MANUFACTURE	MODEL				CAPACITY MBH	EAT	LAT	TEMP RISE	EWT	LWT	GPM	FLUID PRESS. DROP	V/PHZ	MCA	MOCQ		
CUH-1	DAIKIN	FHRH-R20P	CORRIDOR	318	1/20	12.3	70	105.5	35.5	140	119.9	1.2	0.28 FT	120/160	1.5	15	83	1-5

NOTES

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE STAINLESS STEEL HARDWARE.
3. PROVIDE FACTORY MOUNTED DISCONNECT.
4. PROVIDE THERMOSTAT WITH LOCKABLE GUARD.
5. PROVIDE 2-WAY CONTROL VALVE.

AIR DEVICE SCHEDULE

UNIT ID	BASIS OF DESIGN		SERVICE	AREA SERVED	AIRFLOW (CFM)	SIZE	THROAT SIZE	SOUND NO. VALUE	FINISH	NOTES
	MANUFACTURE	MODEL								
AD-1	PRICE	SCD	SUPPLY	SEE PLANS	SEE PLANS	24"x24"	SEE PLANS	<20	WHITE POWDERCOAT	1-2
AD-2	PRICE	SCD	RETURN/EXHAUST	SEE PLANS	SEE PLANS	24"x24"	SEE PLANS	<20	WHITE POWDERCOAT	1-2

NOTE

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE OPPOSED BLADE DAMPER.

BOILER SCHEDULE

UNIT ID	BASIS OF DESIGN		TYPE	AREA SERVED	PRESSURE INWC		FUEL	IGNITION	MIN GAS PRESSURE (IN W.C.)	CAPACITY		MIN. GPM	MAX. GPM	EWT (F)	LWT (F)	ELECTRICAL (V/Hz/Ph)	APPROX WEIGHT (LBS)	NOTES
	MANUFACTURE	MODEL			MAX	OPERATING				INPUT BTUH	OUTPUT MBH							
B-1	LOCHINVAR	FTX500M13	FIRE TUBE	BUILDING E	14	-	NATURAL GAS	DIRECT	4	50	500	15	100	140	160	120/60/1	560	1-7
B-2	LOCHINVAR	FTX500M13	FIRE TUBE	BUILDING E	14	-	NATURAL GAS	DIRECT	4	50	500	15	100	140	160	120/60/1	560	1-7
B-3	LOCHINVAR	FTX500M13	FIRE TUBE	BUILDING E	14	-	NATURAL GAS	DIRECT	4	50	500	15	100	140	160	120/60/1	560	1-7

NOT

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE DISCONNECT.
3. PROVIDE FLOW SWITCH.
4. PROVIDE LOW WATER CUTOFF.
5. PROVIDE VENTING.
6. PROVIDE CONDENSATE NEUTRALIZATION KIT.
7. PROVIDE BMS COMMUNICATION.

EXPANSION TANK SCHEDULE

UNIT ID	BASIS OF DESIGN		SERVICE	LOCATION	SHELL DIA. (in.)	HEIGHT (in.)	SYSTEM CONNECTION		RATING		TANK VOLUME (gal)	ASTM RELIEF VALVE SET (psig)	ACCEPTANCE VOLUME (gal)	FLOODED WEIGHT (lb)
	MANUFACTURER	MODEL					TYPE	SIZE (in.)	MAX PRESSURE (psig)	MAX TEMP (°F)				
ET-1	TACO	CBK170-125	HOT WATER	BOILER RM.	20	43	NPT	1	150	240	45	-	24	615

NOTE

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUIVALENT.
2. PROVIDE STAINLESS STEEL HARDWARE.
3. PROVIDE PRESSURE RELIEF VALVE.

PUMP SCHEDULE

UNIT ID	BASIS OF DESIGN		TYPE	LOCATION	GPM	HEAD (FT)	EFF. (%)	FLUID TEMP (F)	CONNECTION SIZE (IN.)		MOTOR DATA		ELECTRICAL (V/Hz/Ph)	APPROX WEIGHT (LBS)	NOTES
	MANUFACTURER	MODEL							SUCTION	DISCHARGE	RPM	HP			
BP-1	TACO	VR1SL	INLINE	BOILER ROOM	49	15	58	140	1.5	1.5	3,500	0.4	110-240/0/1	26	1-4
BP-2	TACO	VR1SL	INLINE	BOILER ROOM	49	15	58	140	1.5	1.5	3,500	0.4	110-240/0/1	26	1-4
BP-3	TACO	VR1SL	INLINE	BOILER ROOM	49	15	58	140	1.5	1.5	3,500	0.4	110-240/0/1	26	1-4
P-1	TACO	VR1SM	INLINE	BOILER ROOM	45	30	62	160	1.5	1.5	4,100	0.6	110-240/0/1	26	1-4
P-2	TACO	VR3452	INLINE	BOILER ROOM	15	18	-	160	0.75	0.75	-	0.25	110-240/0/1	8	1-4
P-3	TACO	VR3452	INLINE	BOILER ROOM	15	18	-	160	0.75	0.75	-	0.25	110-240/0/1	8	1-4

NOTE

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE STAINLESS STEEL HARDWARE.
3. BALANCE PUMP FOR CONNECTED LOAD.
4. PROVIDE DISCONNECT.

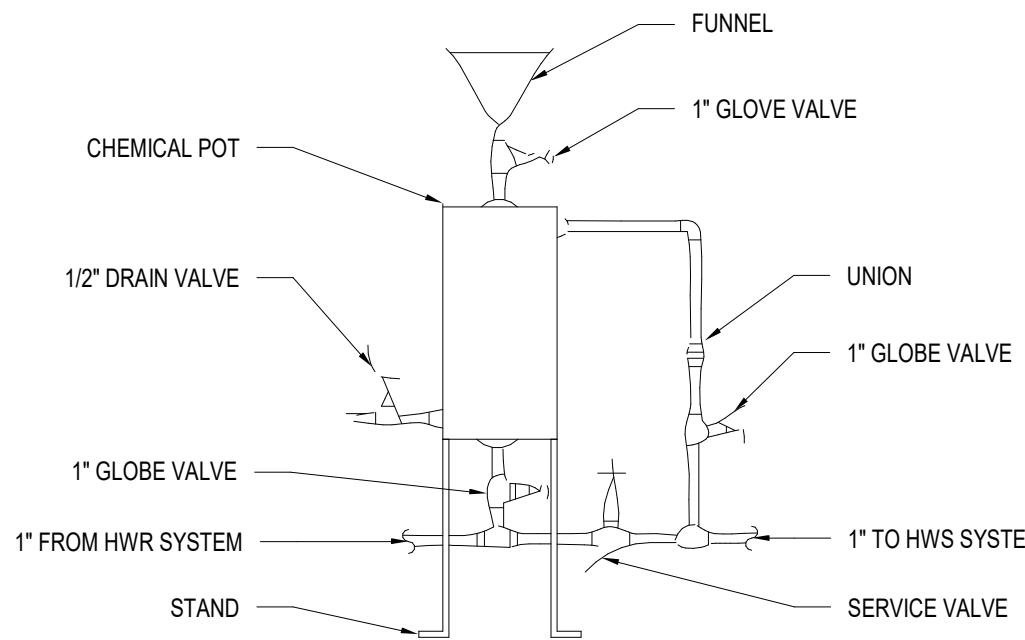
AIR SEPARATOR SCHEDULE

UNIT ID	BASIS OF DESIGN		SERVICE	LOCATION	SHELL DIA. (n)	HEIGHT (n)	SYSTEM CONNECTION		RATING		GPM	WEIGHT (lb)	NOTES
	MANUFACTURE	MODEL					TYPE	SIZE (n)	MAX PRESSURE (psig)	MAX TEMP (F)			
AS-1	TACO	4903A-125	HOT WATER	BOILER ROOM	12	22	FLANGED	3"	125	240	105	75	1-3

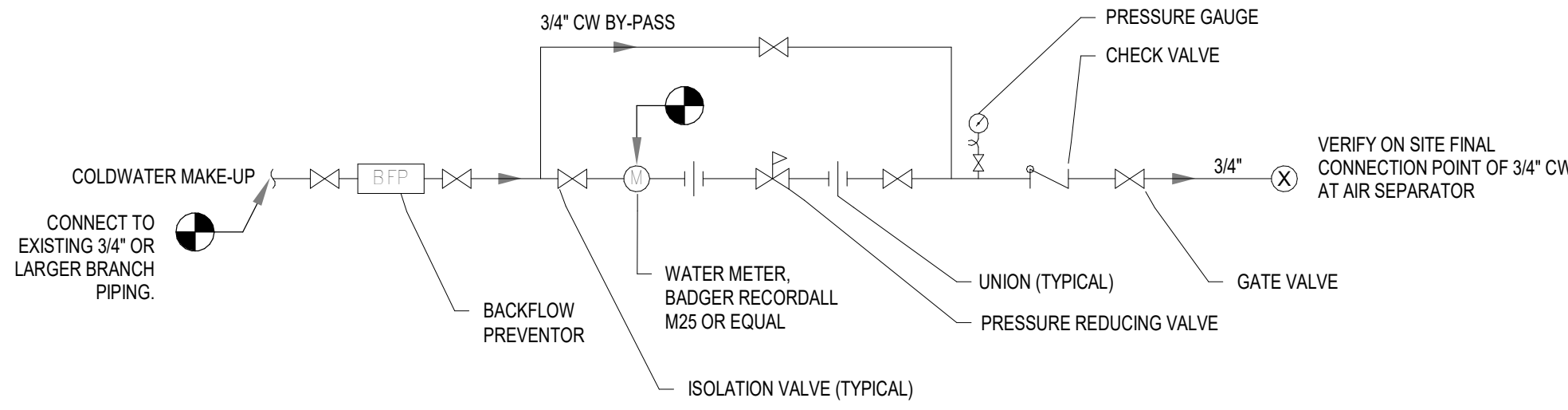
NOTE

1. PROVIDE SPECIFIED ITEM OR APPROVED EQUIVALENT.
2. PROVIDE STAINLESS STEEL HARDWARE.
3. PROVIDE AUTOMATIC AIR VENT.

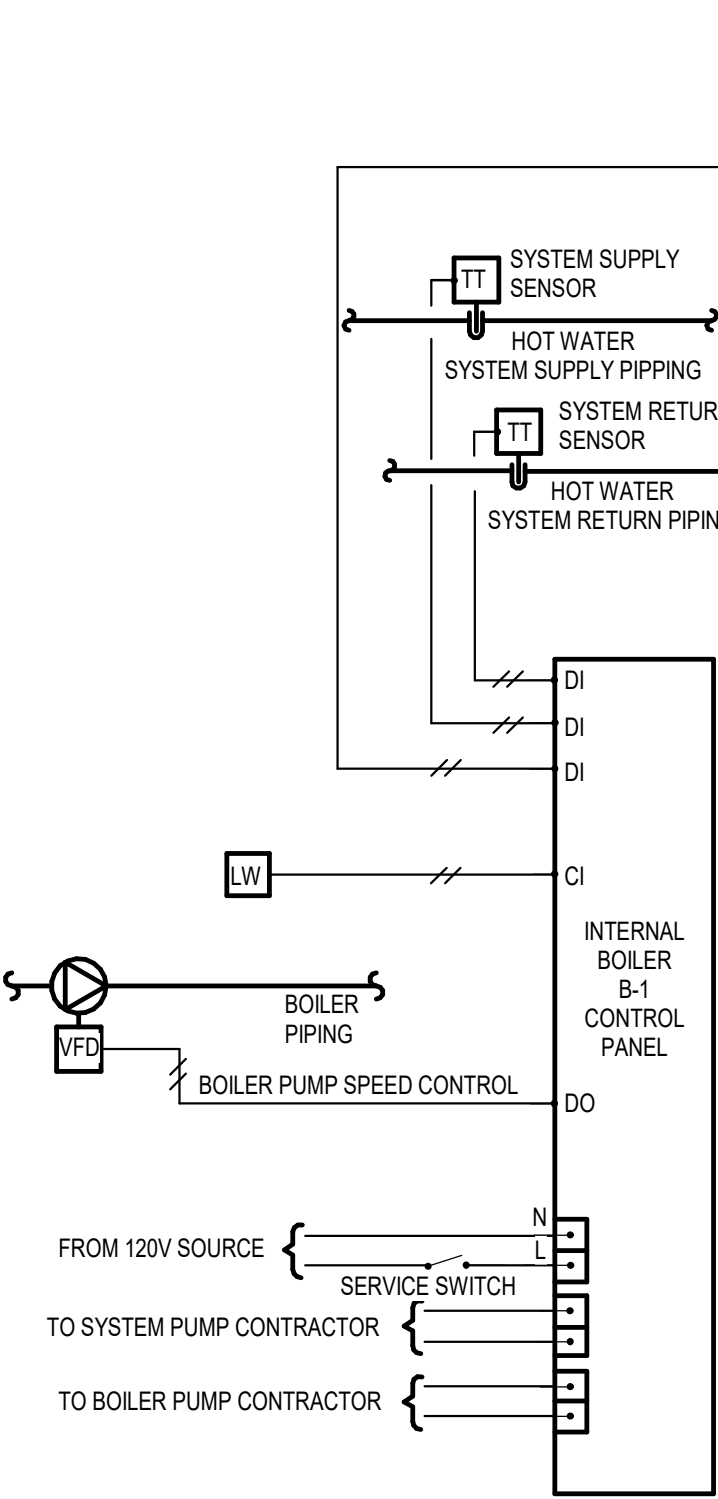
1 MANUAL CHEMICAL FEEDER FOR BOILER



2 MAKEUP WATER PIPING DETAIL



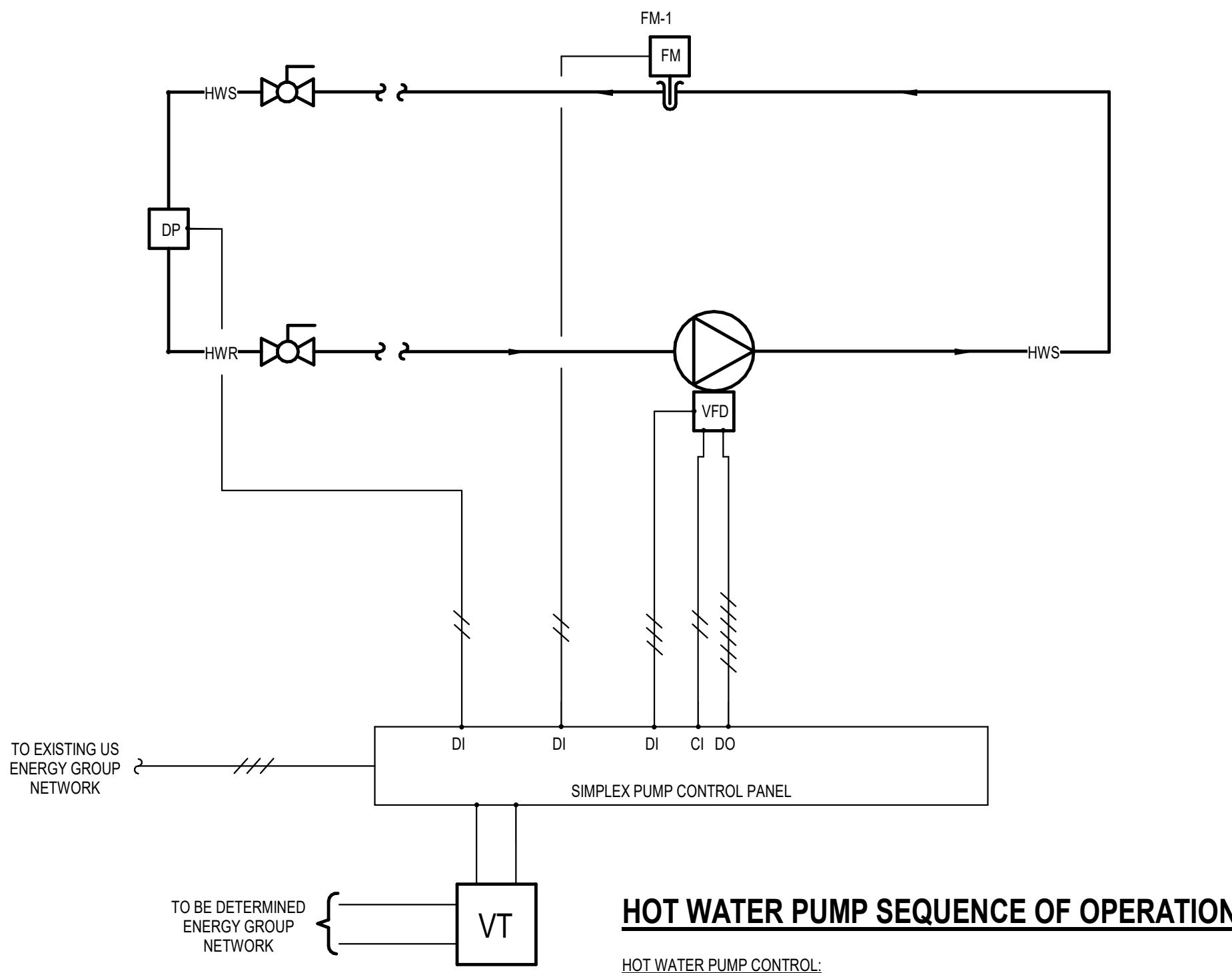
4 HOT WATER HEATING SYSTEM CONTROL DIAGRAM



HOT WATER HEATING SYSTEM SEQUENCE OF OPERATION:

SEQUENCE OF OPERATION:
LEAD BOILER B-1 SHALL BE ACTIVATED VIA SIGNAL FROM THE CENTRAL BAS, OR BY THE BOILER CONTROL PANEL.
BOILER CONTROL:
THE HOT WATER BOILER WITH THE LOWEST RUNTIME WILL OPERATE AS LEAD. THE LEAD BOILER AND ASSOCIATED BOILER PUMP WILL TURN ON AND WILL MODULATE TO MAINTAIN THE HOT WATER SUPPLY TEMPERATURE AT A SET POINT.
THE HOT WATER SUPPLY TEMPERATURE IS RESET INVERSELY TO THE OUTSIDE AIR TEMPERATURE WHEN EITHER ON OF THE HOT WATER PUMPS HAS A STATUS OF ON. THE LAG BOILER AND ASSOCIATED BOILER PUMP WILL ALSO CYCLE ON IF THE SYSTEM SET POINT REQUIRES THE SECOND BOILER.
BOILER PUMP CONTROL:
UPON A CALL FOR HEAT TO A BOILER, THE ASSOCIATED BOILER PUMP SHALL BE INDEXED ON AND THE BOILER FLOW SWITCH SHALL VERIFY FLOW BEFORE THE BOILER WILL BE COMMANDED TO FIRE.
THE BOILER SMART SYSTEM CONTROL WILL VARY THE BOILER PUMP SPEED TO MAINTAIN A MINIMUM TEMPERATURE DIFFERENCE THROUGH THE OPERATIONAL BOILER.
SYSTEM PUMP CONTROL:
ONCE BOILER HAS BEEN ACTIVATED, THE BOILER SHALL SIGNAL THE SYSTEM PUMP TO START. SEE THE SYSTEM PUMP CONTROL DIAGRAM FOR COMPLETE PUMP CONTROL.
SAFETIES:
THE BOILERS SAFETY CIRCUIT WILL BE MONITORED, AND THE SYSTEM WILL REPORT A GENERAL ALARM CONDITION IF A SAFETY IS TRIPPED. A MANUAL RESET OF THE BOILER SAFETY WILL BE REQUIRED BEFORE THE BOILER CAN BE RESTARTED.

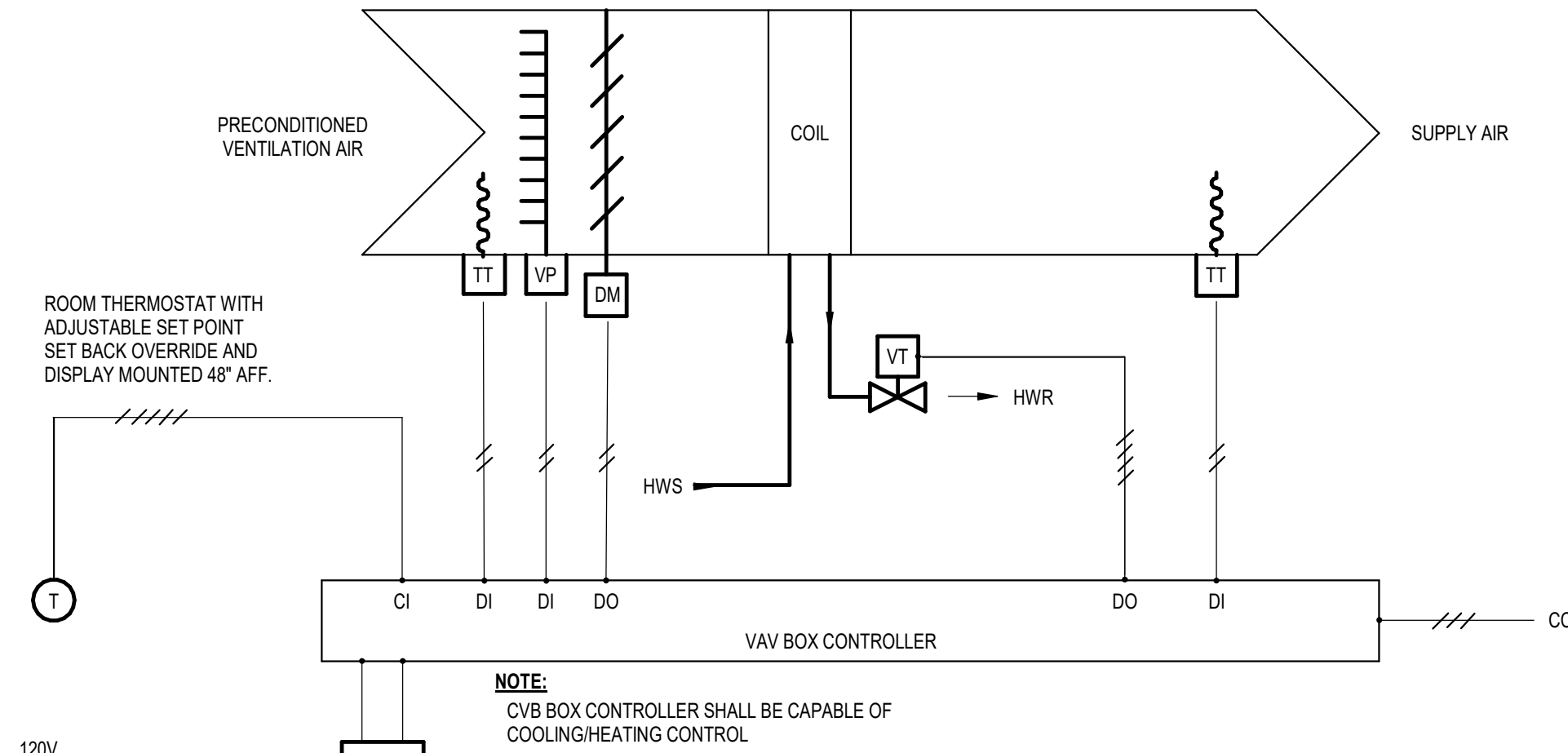
5 HOT WATER SYSTEM PUMP CONTROL DIAGRAM



HOT WATER PUMP SEQUENCE OF OPERATION

HOT WATER PUMP CONTROL:
ONCE THE LEAD BOILER HAS BEEN ACTIVATED, THE BOILER SHALL SEND A SIGNAL TO THE HOT WATER PUMP TO START. WHEN ENABLED THE PUMP WILL START AND RUN CONTINUOUSLY WHILE RUNNING THE HOT WATER PUMP WILL MODULATE TO MAINTAIN THE HOT WATER DIFFERENTIAL PRESSURE AT SET POINT. IF FOR ANY REASON ITS STATUS DOES NOT MATCH ITS COMMANDED VALUE AN ALARM WILL BE GENERATED WHENEVER THE SYSTEM IS COMMANDED OFF. THE HOT WATER PUMP WILL RUN FOR A PERIOD OF TIME TO DISSIPATE THE HEAT IN THE SYSTEM.

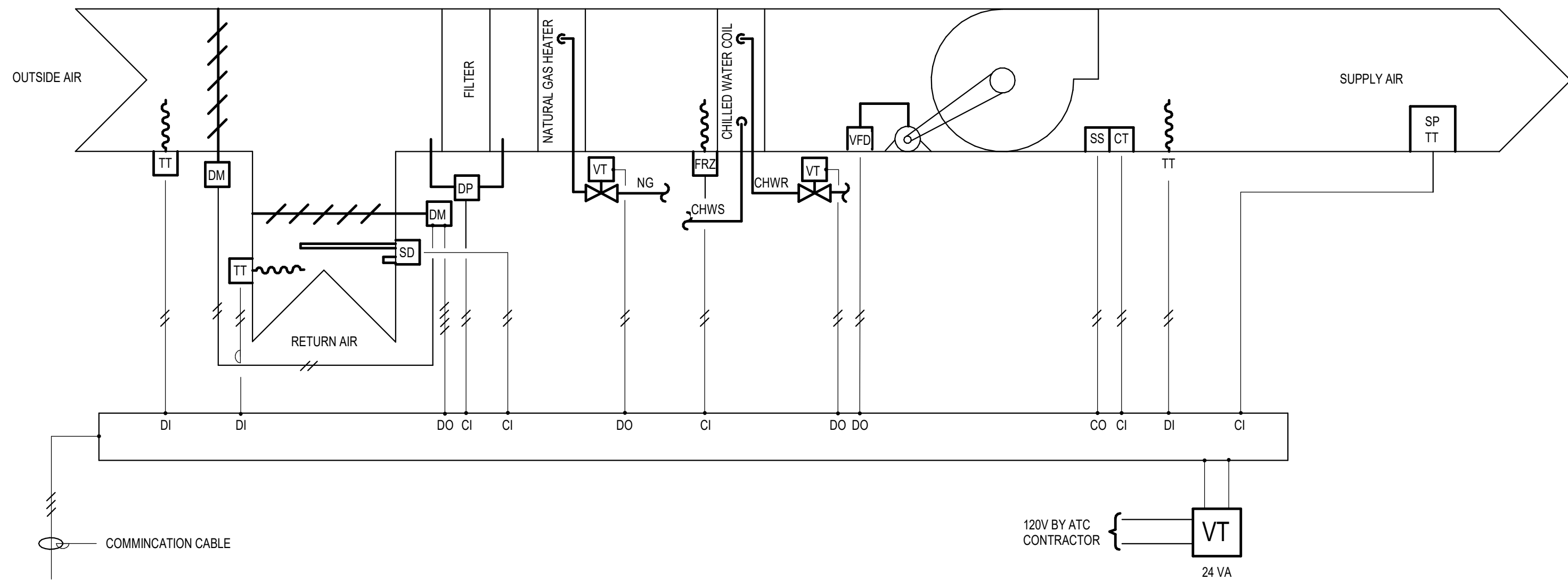
6 VARIABLE AIR VOLUME BOX w/ REHEAT CONTROL



VARIABLE AIR VOLUME BOX WITH REHEAT

COOLING MODE: THE PRIMARY AIR DAMPER IS CONTROLLED TO PROVIDE THE DESIGN CFM. ON A RISE IN ZONE TEMPERATURE ABOVE THE COOLING SETPOINT, THE VAV BOX SHALL MODULATE OPEN TO DELIVER MORE AIRFLOW. IF THE ZONE TEMPERATURE CONTINUES TO RISE, THE VAV BOX SHALL MODULATE TO FULL OPEN. UPON A DROP IN ROOM TEMPERATURE TO THE COOLING SET POINT THE VAV BOX SHALL MODULATE CLOSED TO THE MINIMUM SET POINT.
HEATING MODE: THE PRIMARY AIR DAMPER IS CONTROLLED TO PROVIDE THE DESIGN CFM. ON A DROP IN ZONE TEMPERATURE BELOW THE HEATING SETPOINT, THE VAV BOX SHALL DROP TO MINIMUM AIRFLOW. IF THE ZONE TEMPERATURE CONTINUES TO DROP, THE REHEAT VALVE SHALL MODULATE OPEN. IF THE ZONE TEMPERATURE CONTINUES TO DROP, THE AIR DAMPER SHALL MODULATE OPEN.

7 ROOF TOP UNIT CONTROL SCHEMATIC



ROOF TOP UNIT SEQUENCE OF OPERATION

SUPPLY FAN START/STOP: THE SUPPLY FAN WILL BE STARTED ACCORDING TO THE SCHEDULE. AFTER THE START COMMAND IS SENT, THE OUTSIDE AIR DAMPER WILL OPEN, AND THE UNIT WILL START WHEN THE DAMPER END SWITCH HAS PROVEN OPEN STATUS. IF THE SUPPLY FAN STATUS DOES NOT SUPPLY FAN STATUS INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED.
HEATING / COOLING MODE OF OPERATION: THE UNIT SHALL BE INDEXED INTO EITHER HEATING OR COOLING MODE BASED ON OUTDOOR AIR TEMPERATURE (ADJUSTABLE).
DISCHARGE AIR CONTROL COOLING: WHEN INDEXED INTO COOLING MODE THE DX SYSTEM SHALL START AND THE COMPRESSOR SHALL MODULATE TO MAINTAIN AN DISCHARGE AIR TEMPERATURE SET POINT OF 55 DEG. F. (ADJUSTABLE) THE VFD SHALL MODULATE FAN SPEED TO MAINTAIN THE DUCT PRESSURE AT SET POINT.
DISCHARGE AIR CONTROL HEATING: WHEN INDEXED TO HEAT THE NATURAL GAS FURNACE SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SET POINT OF 55 DEG. F. (ADJUSTABLE) THE SUPPLY FAN SHALL MODULATE TO MAINTAIN DUCT PRESSURE AT SET POINT.

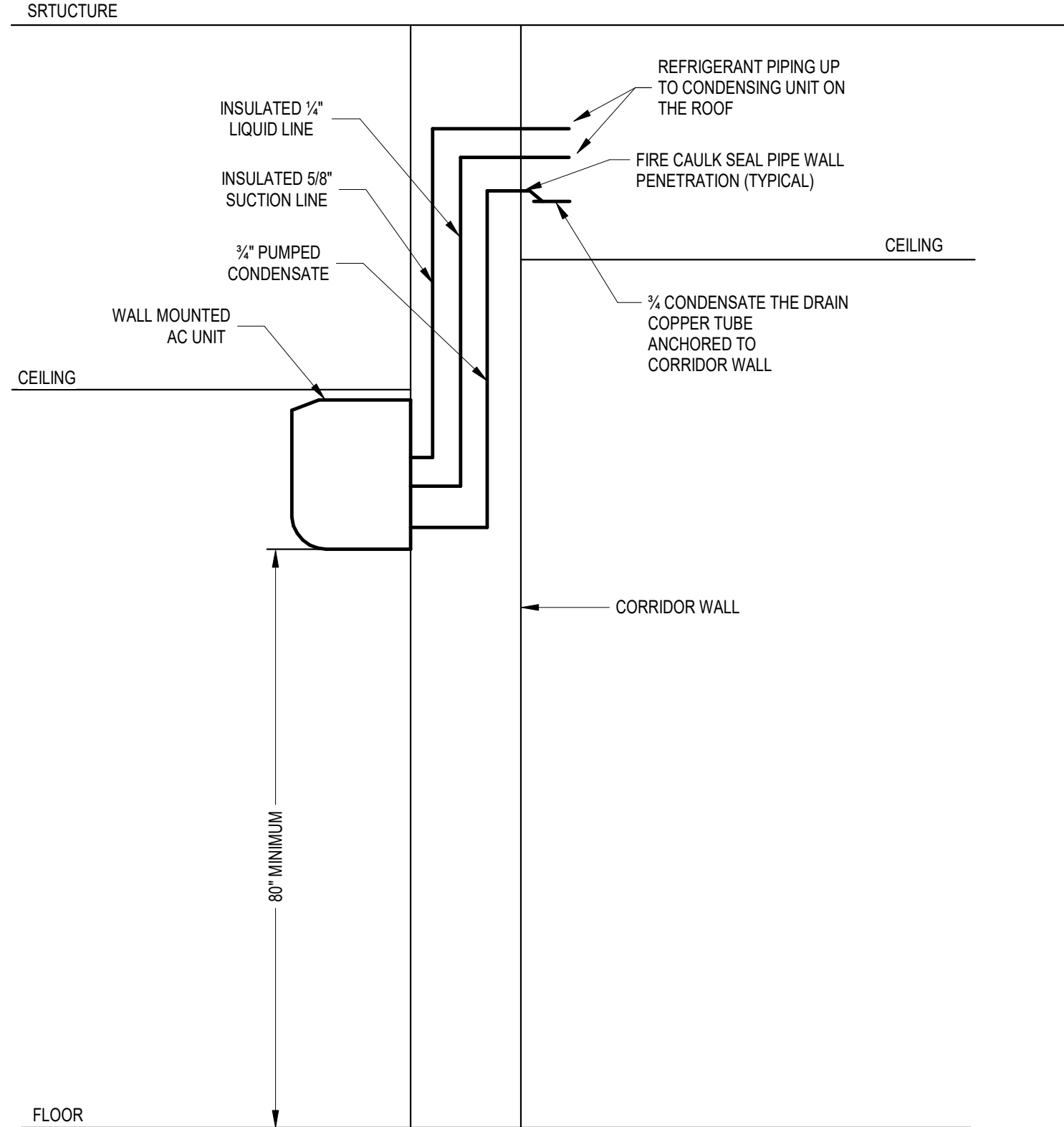
SAFETY: ALL OF THE DEVICES ARE MANUAL RESET; THE DEVICE THAT HAS TRIPPED MUST BE MANUALLY RESET BEFORE RESTARTING THE AIR HANDLING UNIT.
IF A TEMPERATURE LOW LIMIT SWITCH SENSES A TEMPERATURE BELOW SET POINT, THE SUPPLY FAN WILL BE SHUTDOWN.
THE SUPPLY FAN WILL SHUT DOWN IF THE FIRE ALARM CONTACT OR SMOKE DETECTOR IS TRIGGERED.

SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT WILL BE SET AS FOLLOWS
SUPPLY FAN WILL BE OFF
SUPPLY FAN VFD WILL BE COMMANDED TO 0%
OUTSIDE AIR DAMPER WILL CLOSE
THE NATURAL GAS HEATING CONTROL VALVE WILL CLOSE

MIXED AIR LOW LIMIT OVERRIDE: THE MIXED AIR TEMPERATURE WILL OVERRIDE THE MINIMUM POSITION AND CLOSE THE OUTSIDE AIR FANPAM IF A TEMPERATURE IS SENSED BELOW THE SETPOINT.

ECONOMIZER DRY BULB SWITCHOVER: WHEN THE SHARED OUTSIDE AIR TEMPERATURE IS BELOW THE SWITCHOVER SETPOINT, THE ECONOMIZER WILL BE ENABLED. WHEN THE SHARED OUTSIDE AIR TEMPERATURE RISES ABOVE THE SWITCHOVER SETPOINT PLUS A DIFFERENTIAL, THE ECONOMIZER WILL DISABLE.

3 WALL MOUNTED AC UNIT DETAIL



CODE REVIEW:

CERTIFICATE:



SPIEZLE ARCHITECTURAL GROUP INC.
1385 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
PHONE: 609-695-7400

SIGNATURE:

THOMAS S. PERINO 2140105040
SCOTT E. ZOWIE 2140105040
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STEVEN BEDEL 2140105040
ANGELO ALBERTO 2140105070
JAMES F. PROSAP 2140105040
SPIEZLE ARCHITECTURAL GROUP, INC. 2140105000
STEVEN LANGVAI, PE 2140105070

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

MECHANICAL DETAILS

COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

M5.1

NOTES:

1. SPRINKLERS SHALL BE INSTALLED USING WRENCHES SPECIFIED BY THE MANUFACTURER.
2. LARGE ORIFICE SPRINKLERS MAY BE USED IF ACCEPTABLE TO AUTHORITY HAVING JURISDICTION AND OWNER'S INSURANCE CARRIER.
3. MATCH EXISTING SPRINKLER HEADS MFR.

- NOTES:
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 3. MATCH EXISTING SPRINKLER HEADS MFR.

1. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING FIRE PROTECTION COMPONENTS THAT ARE NOT TO BE REUSED BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. ALL PIPING, DEVICES, AND EQUIPMENT THAT ARE NO LONGER REQUIRED, WHETHER INDICATED ON THESE DRAWINGS OR NOT, SHALL BE REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VISIT SITE AND MAKE NOTE OF ALL EXISTING CONDITIONS.

1. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING FIRE PROTECTION COMPONENTS THAT ARE NOT TO BE REUSED BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. ALL PIPING, REMOVED EQUIPMENT AND MATERIALS TO BE REMOVED AND DISPOSED OF. WHEN INDICATED ON THESE DRAWINGS OR NOT, SHALL BE REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VISIT SITE AND MAKE NOTE OF ALL EXISTING CONDITIONS.
2. REMOVE ALL EXISTING WORK NECESSARY TO ACCOMMODATE ALL NEW WORK. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS AND PHYSICALLY INSPECT THE EXISTING CONDITIONS TO ASCERTAIN THE MAGNITUDE OF THE WORK REQUIRED. EXISTING WORK WHICH IS TO REMAIN IN SERVICE, BUT WHICH INTERFERES WITH THE NEW WORK, SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS SPECIFICATION.
3. REMOVE ALL EQUIPMENT, PIPING, MATERIAL, ETC. NO LONGER REQUIRED TO REMAIN IN SERVICE TO A POINT BEHIND FINISHED WALLS, FLOORS AND CEILINGS, CAP OR PLUG AS REQUIRED TO MAINTAIN SAFE WORKING CONDITIONS. REMOVE AND RESTORE ALL WALL, FLOOR AND CEILING OPENINGS CAUSED BY REMOVALS. RESTORATION SHALL MATCH THE EXISTING SURROUNDING SURFACES.
4. IN THE EVENT ANY ITEM OR SYSTEM IS TO BE REMOVED OR RELOCATED, AS INDICATED ON THE DRAWINGS OR AS NECESSITATED BY A ALTERATION OR NEW CONSTRUCTION IS IN ACTIVE USE, THE CONTRACTOR SHALL REMAIN RESPONSIBLE TO MAINTAIN SUCH USE, UNTIL THE PERMANENT INSTALLATION IS COMPLETED.
5. PROVIDE FOR REROUTING WORK IN EXISTING WALLS, FLOORS AND CEILINGS WHICH WILL BE DISTURBED OR WHICH WILL REQUIRE RELOCATION TO ACCOMMODATE THE NEW WORK OR ALTERATION.
6. FIRE PROTECTION DEMOLITION AND NEW WORK SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS AND NOTES.
7. REROUTE PIPING PASSING THROUGH DEMOLITION AREAS TO MAINTAIN CONTINUITY AND SERVICES TO OTHER EXISTING AREAS TO REMAIN.
8. INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS WHICH MAY BE INACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FIRE PROTECTION SERVICES, PIPING, ETC. AND FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION AND NEW INSTALLATION.
9. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE TURNOVER OF EQUIPMENT, PIPING AND ACCESSORIES, ETC. BEFORE DEMOLITION, IN ALL SPACES SHOWN, ALL UNUSED MATERIALS AND EQUIPMENT ARE THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. THE OWNER'S DEMOLITION AND REMOVAL DRAWINGS, WHICH SHALL BE STORED AT THIS DIRECTION, ALL OTHER MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
10. PROVIDE ANY ADDITIONAL LABOR AND MATERIAL AS REQUIRED TO MAINTAIN ALL REMAINING FIRE PROTECTION ITEMS OPERATIONAL FOR ALL EXISTING SERVICES THAT ARE EXISTING TO REMAIN.
11. FIRE PROTECTION WORK SHALL INCLUDE ALL REQUIRED CUTTING, PATCHING AND ROUGH PATCHING OF WALL AND FLOOR STRUCTURE AND SURFACES. ALL EQUIPMENT, WALLS, FLOORS, CEILING, DAMAGED BY DEMOLITION SHALL BE REPAIRED TO BE PREPARED TO THE SATISFACTION OF THE OWNER, AT THE CONTRACTORS EXPENSE.
12. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING DEMOLITION, CUTTING AND PATCHING, FLASHING, FIRESTOPPING AND STRUCTURAL SUPPORTS.
13. ALL SYSTEMS TO REMAIN THAT ARE DAMAGED DURING DEMOLITION PHASE OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST.
14. CONDITIONS INDICATED AS EXISTING ARE TAKEN FROM FIELD OBSERVATION, WHILE ALL ATTEMPTS AT ACCURACY HAVE BEEN TAKEN, NO GUARANTEE OF AN EXACT REPRESENTATION OF COMPLETENESS IS IMPLIED. RESPONSIBILITY FOR FINAL VERIFICATION FALLS TO THE CONTRACTOR. ANY UNRECORDED CONDITIONS OR SERVICES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER FOR RECTIFICATION.

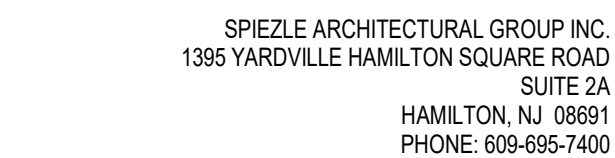
1. THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH THE EXISTING JOB CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED

1. THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY ACQUAINT HIMSELF WITH THE EXISTING JOB CONDITIONS AND WITH DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE THE CONTRACTOR HAD NOT BEEN ADVISED WHICH COULD HAVE BEEN FORESEEN HAD SUCH EXAMINATION BEEN MADE.
2. THE CONTRACTOR'S ENGINEER SHALL SUBMIT PERMIT APPLICATIONS TO STATE AND MUNICIPAL AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL PAY ALL CHARGES OF THE AUTHORITIES IN CONNECTION WITH OBTAINING THE SERVICE REQUIRED.
3. ALL WORK SHALL BE DONE IN COMPLIANCE WITH ALL LAWS, CODES, ORDINANCES, ETC., OF ANY GOVERNING BODY HAVING JURISDICTION. THE CONTRACTOR MUST BE REGISTERED AND HAVE ALL LICENSES, PERMITS AND CONSENTS REQUIRED BY GOVERNMENTAL AUTHORITY TO CARRY OUT THE WORK UNDER THIS CONTRACT.
4. ALL WORK SHALL BE DONE IN A NEAT WORKMANLIKE MANNER, LEAN, CLEAN AND FREE FROM DEFECTS, AND COMPLETELY AFFECTIVE. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE BY THE CONTRACTOR FOR THE NEW WORK.
5. ALL WORK SHALL BE OF HIGHEST WORKMANSHIP GRADE. IF THE OWNER AND HIS REPRESENTATIVE CONSIDERS ANY WORK TO BE INFERIOR, THE CONTRACTOR SHALL REPLACE SAME WITH CONTRACT STANDARD WORK WITHOUT ADDITIONAL CHARGE.
6. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED.
7. THE CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS FROM THE WORK AREA ON A DAILY BASIS, AND SHALL NOT DISTURB AND/OR INTERFERE WITH THE OWNERS BUSINESS OR THE WORK OF ANY OTHER CONTRACTOR OF BUILDING SYSTEMS MUST BE COORDINATED WITH THE OWNERS REPRESENTATIVE.
8. DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC, AND SHALL BE FOLLOWED AS CLOSELY AS CONDITIONS ALLOW TO COMPLETE THE INTENT OF THE CONTRACT. THE DRAWINGS AND SPECIFICATIONS COMPLIMENT ONE ANOTHER, AND WHAT IS SHOWN ON THE DRAWING AND IN THE SPECIFICATIONS, AND VICE VERSA, IS TO BE INCLUDED IN THE SCOPE OF WORK.
9. ALL EQUIPMENT CONNECTIONS SHALL BE INSTALLED AS PER APPLICABLE SPECIFIC REQUIREMENTS, AND EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
10. WORK UNDER THIS CONTRACT COMPRISES ALL LABOR, MATERIAL, EQUIPMENT, TRANSPORTATION, SCAFFOLDING, RIGGING, TOLLS AND RELATED ITEMS AND SUBCONTRACT WORK FOR A COMPLETE OPERATING SYSTEM.
11. ALL PENETRATIONS OF WALLS, FLOORS AND ROOFS SHALL BE DONE BY THE USE OF SLEEVES MANUFACTURED OR FABRICATED FOR THAT PURPOSE. ALL OPENINGS IN FLOOR, WALLS, FLOORS, ETC. SHALL BE SEALED WITH COMPATIBLE FIRE RESISTANT MATERIAL.
12. ENGINEER WILL MAKE A FINAL INSPECTION WITH OWNER AND CONTRACTOR AND WILL NOTIFY CONTRACTOR IN WRITING OF ALL PARTICULARS IN WHICH THIS INSPECTION REVEALS THAT THE WORK IS INCOMPLETE OR DEFECTIVE. CONTRACTOR SHALL IMMEDIATELY CORRECT SUCH DEFICIENCIES AS ARE NECESSARY TO COMPLETE SUCH WORK OR REMEDY SUCH DEFICIENCIES.
13. THE WORK INDICATED ON PLAN MUST BE DONE FOR THE PROJECT SCHEDULE.
14. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO REMOVE EXISTING, CEILING TILES WITH MINIMAL DISTURBANCE TO EXISTING GRID AND CEILING MOUNTED EQUIPMENT TO ALLOW NEW SPRINKLER PIPING WORK.
15. THIS CONTRACTOR SHALL EXTEND, MODIFY AND REPOSITION EXISTING LINES (MEANING FLEXIBLE DUCTS, ELECTRICAL WIRING, FIRE ALARM, PHONE, CONDUITS, ETC.) TO COMPLETE NEW WORK. THIS CONTRACTOR SHALL HIRE WORKMEN OF THE PROPER TRAINING TO DO THIS WORK. IF THE CONTRACTOR DEEMES IT NECESSARY, THE CONTRACTOR MUST REPAIR AND FIX AND MAINTAIN CONTINUITY OF ANY DAMAGED SERVICES.
16. CONTRACTOR SHALL REPLACE AND FIX ANY DAMAGED AREAS IF DAMAGE OCCURS DURING NEW WORK. CONTRACTOR SHALL LEAVE IN A LIKE CONDITION WITH FINAL APPROVAL FROM ARCHITECT.
17. PROVIDE RECORD OF EXISTING CONDITIONS BY USE OF PRE-CONSTRUCTION PHOTOGRAPHS AND/OR VIDEOTAPES OF EXISTING INTERIOR AND EXTERIOR CONDITIONS. CONTRACTOR SHALL HAVE A RECORD SHOWING CONDITIONS OF EXISTING WALLS, CEILINGS, FLOORS, ETC.
18. ALL CONTRACTOR'S WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER, MATCHING AND ALIGNING ALL SURFACES WHERE APPLICABLE TO CREATE A FINISHED APPEARANCE. CONTRACTOR SHALL CLEAN ALL SURFACES FREE OF DIRT AND REFUSE CAUSED BY DEBRIS FROM INSTALLATION. ALL ADJACENT SURFACES TO THEIR WORK SHALL BE LEFT AS THEY APPEAR PRIOR TO THE COMMENCEMENT OF THE CONTRACTOR'S WORK. PROTECT ALL ADJACENT SURFACES DURING THE COURSE OF WORK.
19. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A RECORD SET OF INSTALLATION PRINTS. HE SHALL NEATLY AND CLEARLY RECORD ON THESE PRINTS ALL EQUIPMENT, PIPING, ACCESSORIES, ETC. INSTALLED INCLUDING BUT NOT LIMITED TO SITES, LOCATIONS AND DETAILS.
20. AS-BUILT PLANS SHALL BE PROVIDED WITHIN 30 DAYS OF SYSTEM ACCEPTANCE, INCLUDING BUT NOT LIMITED TO RISERS AND ELEVATIONS OF DISTRIBUTION SYSTEM AND FLOOR PLAN. THE CONTRACTOR SHALL PROVIDE PIPING AND PIPING AREA SERVED BY THAT EQUIPMENT. (ASHRAE/IESNA STANDARD 90.1) CONTRACTOR SHALL SUBMIT THREE (3) HARD COPIES OF AS-BUILT DRAWINGS AND ONE (1) ELECTRONIC SET OF DOCUMENTS.
21. THREE (3) HARD COPIES AND ONE (1) ELECTRONIC COPY IN PDF OF ALL 6 MANUALS MUST BE PROVIDED FOR THE PROJECT SYSTEM AND ALL COMPONENTS.
22. TOUCH-UP OR REFINISH DAMAGED SURFACES OF EQUIPMENTS AND EQUIPMENT, EXPOSED TO VIEW.

1. EXTEND THE EXISTING WET PIPE SPRINKLER SYSTEM FOR THE ENTIRE AREA OF INTERIOR ALTERATIONS. THE SYSTEM EXTENSION SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NEW JERSEY UNIFORM CONSTRUCTION CODE (NJAC 5:23), AND ALL LOCAL RESPONSIBLE AGENCIES, AUTHORITIES, CODES, AND REGULATIONS.

- [illegible]

CERTIFICATE



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LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS

	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE

FIRE PROTECTION GENERAL NOTES, ABBREVIATIONS AND LEGEND

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

FP0.0

FIRE PROTECTION KEY NOTES	
Key Value	Keynote Text
1	ALL AREAS IN THE BUILDING ARE LIGHT HAZARD CLASSIFICATION UNLESS NOTED OTHERWISE.
2	REMOVE EXISTING SPRINKLER HEAD AND ASSOCIATED BRANCH PIPING BACK TO THE MAIN AND CAP
3	FIRE PROTECTION PIPING SHALL NOT PASS DIRECTLY OVER ELECTRICAL EQUIPMENT.
4	CONTRACTOR SHALL PROVIDE SPRINKLER PROTECTION THROUGHOUT THE SPACES INDICATED ON THESE PLANS AND ACCORDANCE WITH NFPA 13.

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BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
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FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
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FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

PARTIAL FLOOR PLAN - FIRE PROTECTION

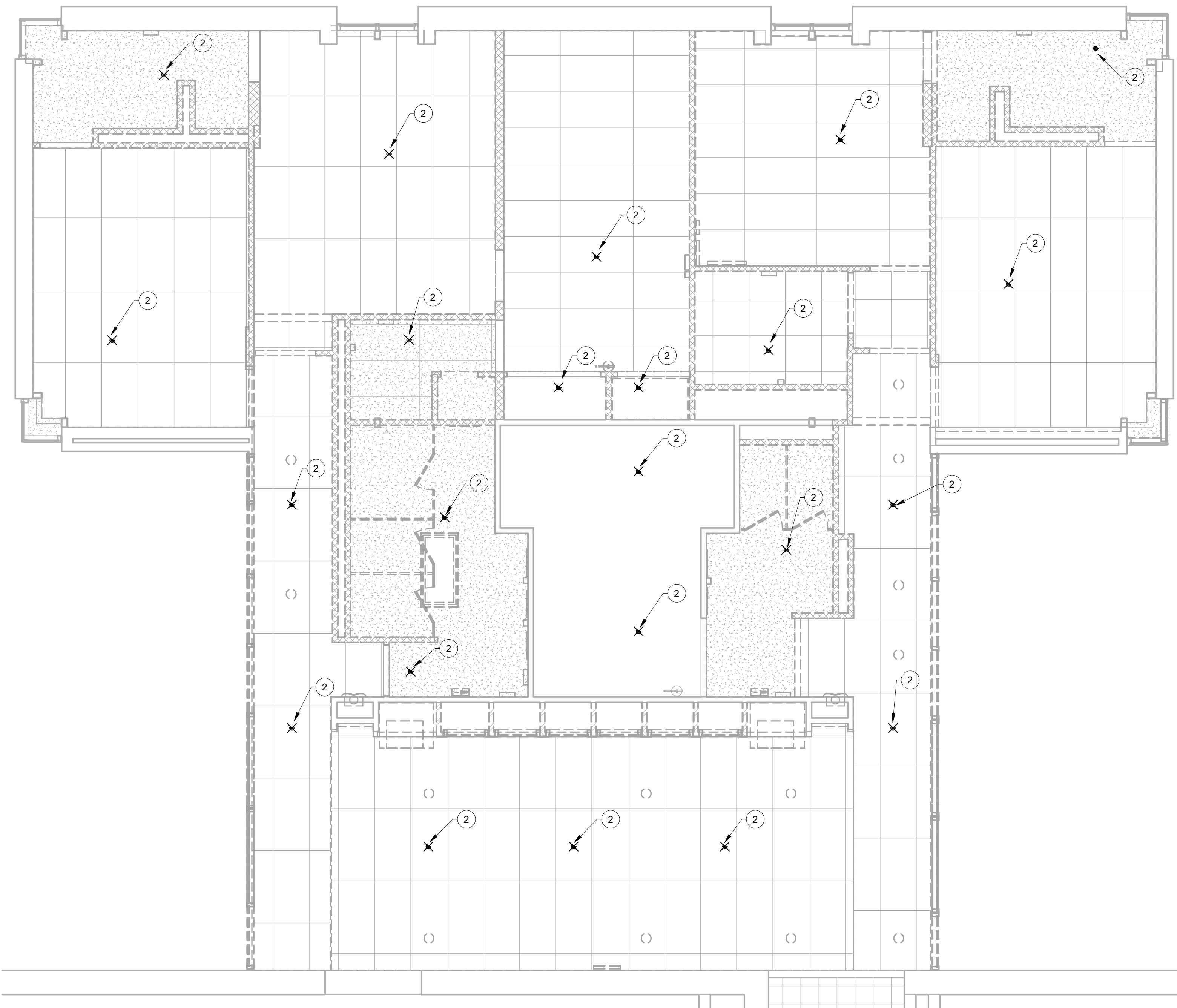
COMMISSION NUMBER:

25U012

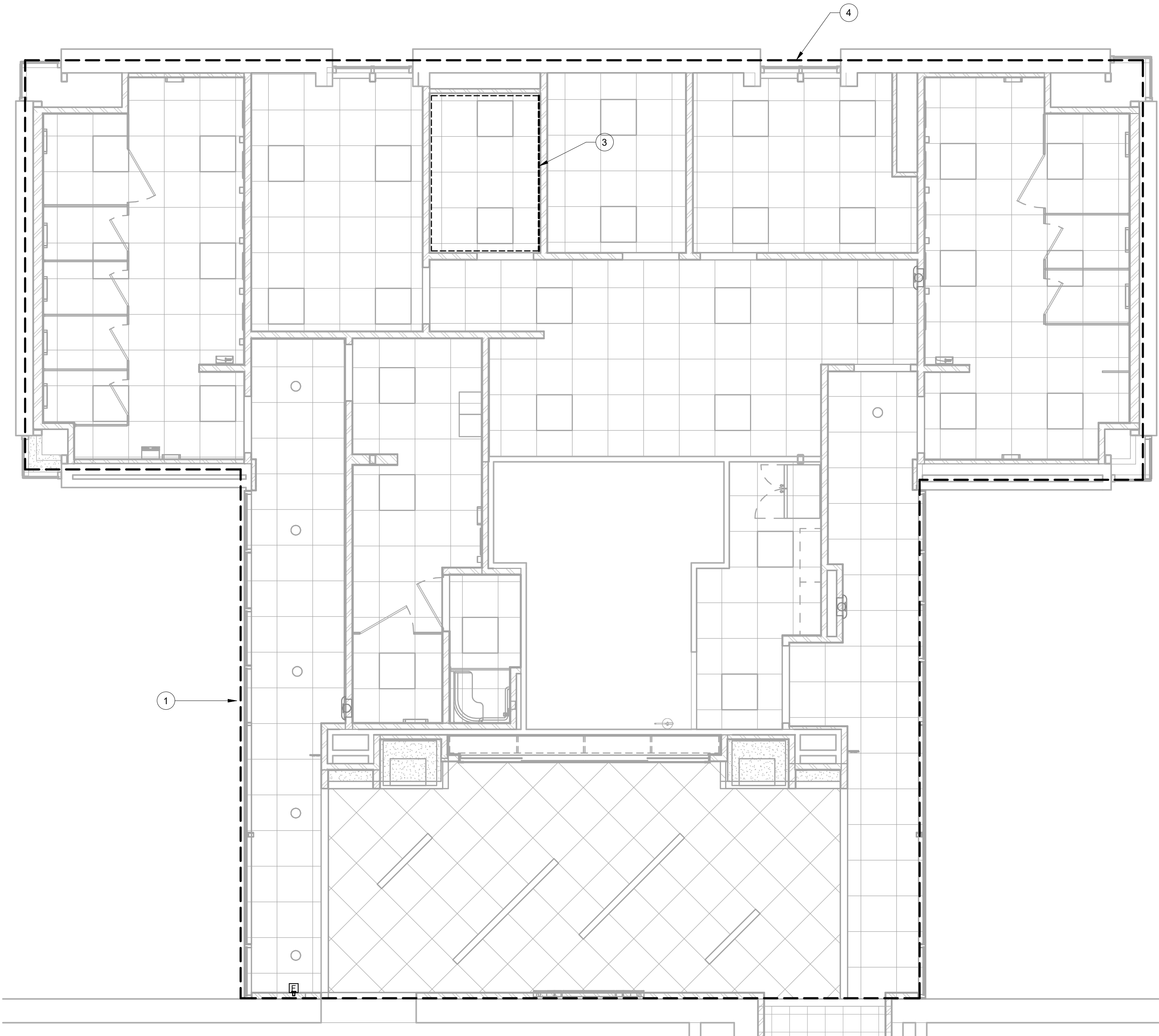
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DRAWING NUMBER:

FP1.0



1 PARTIAL FLOOR PLAN - FIRE PROTECTION DEMOLITION AREA 'E'



2 PARTIAL FLOOR PLAN - FIRE PROTECTION NEW WORK AREA 'E'

3"=1'-0"
1 1/2"=1'-0"
1"=1'-0"
3/4"=1'-0"
1/2"=1'-0"
3/8"=1'-0"
1/4"=1'-0"
1/8"=1'-0"

PLUMBING FIXTURE SCHEDULE											P -
UNIT ID	BASIS OF DESIGN		DESCRIPTION	ACCESSORIES			ACCESSORIES			NOTES	
	MANUFACTURE	MODEL		MANUFACTURE	MODEL	DESCRIPTION	MANUFACTURE	MODEL	DESCRIPTION		
P-1	AMERICAN STANDARD	3451.001	MADERA WATER CLOSET	AMERICAN STANDARD	5901.100	HEAVY DUTY OPEN FRONT LESS COVER	SLOAN	8111-1.6	G2 SENSOR FLUSHOMETER	1	
P-2	AMERICAN STANDARD	3461.001	ADA COMPLIANT MADERA WATER CLOSET	AMERICAN STANDARD	5901.100	HEAVY DUTY OPEN FRONT LESS COVER	SLOAN	8111-1.6	G2 SENSOR FLUSHOMETER	1	
P-3	AMERICAN STANDARD	6590.001	WASHBROOK WALL MOUNTED URINAL	SLOAN	8186-0.5	G2 SENSOR FLUSHOMETER	-	-	-	1	
P-4	AMERICAN STANDARD	9482.000	OVALYN UNDERMOUNT LAVATORY	SLOAN	ESD-801-CP	SENSOR OPERATED FAUCET AND SOAP DISPENSER	-	-	-	1-4	
P-5	AMERICAN STANDARD	0355.012	WALL MOUNTED LAVATORY	SLOAN	ETF-80	OPTIMA SENOR OPERATED FAUCET	-	-	-	1-4	
P-6	ELKAY	LRAD221960	STAINLESS STEEL DROP-IN SINK	CHICAGO	1100-GNABAE3-317AB	LONG NECK LAVATORY FAUCET	-	-	-	1-4	
P-7	AMERICAN STANDARD	TU662SG.213	COMMERCIAL SHOWER SYSTEM	JAY R SMITH	2110Y-03	FLOOR DRAIN WITH 5" BRONZE STRAINER	PRO-SET	TG33P	TRAP GUARD	1	
P-8	JAY R SMITH	2110Y-03	FLOOR DRAIN WITH 8 1/2" BRONZE STRAINER	PRO-SET	TG33P	TRAP GUARD	-	-	-	1	

NOTES:
1. PROVIDE BASIS OF DESIGN PLUMBING FIXTURES PER THE FIXTURE SCHEDULE OR APPROVED EQUAL.
2. PROVIDE MCGUIRE LF175LK COLD AND HOT WATER SUPPLY VALVES AND V8090C INSULATED TRAP.
3. PROVIDE GRID STRAINER AMERICAN STANDARD MODEL 2411.015.
4. PROVIDE UNDER COUNTER THERMOSTATIC MIXING VALVE WATTS, LFUSG-8

DOMESTIC WATER RETURN PUMP SCHEDULE															PP
UNIT ID	BASIS OF DESIGN		TYPE	LOCATION	GPM	HEAD (FT)	EFF. (%)	FLUID TEMP (F)	CONNECTION SIZE (IN.)		MOTOR DATA			APPROX. WEIGHT (LBS)	NOTES
	MANUFACTURER	MODEL							SUCTION	DISCHARGE	RPM	HP	ELECTRICAL (V/Hz/Ph)		
1	TACO	006-ICBC4	INLINE	UTILITY 139	2	8.5	-	110	-	-	3,250	1/40	120/1/60	-	1-4
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:
1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE STAINLESS STEEL HARDWARE.
3. BALANCE PUMP FOR CONNECTED LOAD.
4. PROVIDE DISCONNECT.

DOMESTIC WATER HEATER SCHEDULE														P -
UNIT ID	BASIS OF DESIGN		GALLONS STORAGE	STORED WATER TEMP.	GPH RECOVERY AT 100° ΔT	INPUT CFH	VOLTAGE	KW INPUT	AFUE	MIN/MAX SUPPLY PRESSURE	ELECTRICAL V/Hz/Ph	DIMENSIONS HEIGHT X DIAMETER	SHIPPING WEIGHT (LBS)	NOTES
	MANUFACTURER	MODEL												
WH-1	LOCHINVAR	GVG 0200JR	200	140	290	-	-	-	-	0/150	-	77 1/4 x 32	600	1-2
WH-2	LOCHINVAR	GVG 0200JR	200	140	290	-	-	-	-	0/150	-	77 1/4 x 32	600	1-2

NOTES:
1. PROVIDE SPECIFIED ITEM OR APPROVED EQUAL.
2. PROVIDE DISCONNECT.

PLUMBING SYMBOL LEGEND

-----	DEMOLITION
-----	DOMESTIC COLD WATER
-----	DOMESTIC HOT WATER
-----	DOMESTIC HOT WATER RETURN
---	PIPING DROP
---	PIPING RISE

PLUMBING ABBREVIATIONS

ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
BTU	BRITISH THERMAL UNIT
CU	COPPER
CW	DOMESTIC COLD WATER
DIA	DIAMETER
DIM	DIMENSION
EFF	EFFICIENCY
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
FT	FEET
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HW	DOMESIT HOT WATER
HWR	DOMESTIC HOT WATER RETURN
IN	INCHES
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OC	ON CENTER
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
SS	STAINLESS STEEL
TYP	TYPICAL
VTR	VENT THROUGH ROOF
WC	WATER COLUMN
WG	WATER GAUGE
WH	WATER HEATER
WPD	WATER PRESSURE DROP

PLUMBING GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW JERSEY UNIFORM CONSTRUCTION CODE (N.J.A.C. 5:23), INCLUDING BUT NOT LIMITED TO THE FOLLOWING CODES AND INDUSTRIAL STANDARDS: INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION, 2021 AND NATIONAL STANDARD PLUMBING CODE, 2021.
- AT THE TIME OF BIDDING, THE CONTRACTOR IS REQUIRED TO MAKE A COMPLETE SURVEY OF THE EXISTING CONDITIONS. COMPARE THE CONTRACT DOCUMENTS FOR THIS PROJECT WITH THE EXISTING CONDITIONS TO DETERMINE THE EXTENT OF DEMOLITION WORK AND/OR RELOCATION WORK REQUIRED TO ACCOMPLISH THE WORK SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE INCURRED TO EXISTING PIPING, DUCTS AND EQUIPMENT DURING DEMOLITION AND NEW WORK. CONTRACTOR SHALL EXTEND OR MODIFY ALL EXISTING AND NEW WORK AS REQUIRED TO INSTALL NEW PIPING, INSULATION, VALVES, ETC., INDICATED, AND LEAVE A COMPLETE AND WORKING SYSTEM. THE CONTRACTOR SHALL REROUTE, EXTEND AND MODIFY ANY EXISTING SITE AND BUILDING SERVICES AS REQUIRED TO PERFORM NEW WORK, BUT SHALL MAINTAIN CONTINUITY OF ALL EXISTING SYSTEMS.
- THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL TAXES, FEES AND OTHER COSTS IN CONNECTION WITH HIS WORK. FILE ALL NECESSARY APPROVALS OF ALL DEPARTMENTS HAVING JURISDICTION. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR THEIR WORK, AND DELIVER SAME TO THE OWNER BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS), IN ORDER TO COMPLY WITH ALL APPLICABLE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS.
- DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY; COORDINATED SHOP DRAWINGS ARE REQUIRED BY THE CONTRACTOR.
- ALL PLUMBING EQUIPMENT SHALL BE LOCATED TO ALLOW FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, ETC.
- ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NOT SPECIFICALLY SHOWN ON THE DRAWINGS AS RECOMMENDED BY MANUFACTURER FOR PROPER INSTALLATION.
- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS AND AS SPECIFIED.
- UPON COMPLETION OF THE INSTALLATION, SYSTEM SHALL BE CLEANED AND ALL SAFETY FEATURES SHALL BE TESTED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
- COORDINATE PLUMBING WORK WITH ALL OTHER TRADES.
- ALL PLUMBING EQUIPMENT SHALL BEAR THE LABEL OF APPROVED AGENCY.
- DETAILS OF CONSTRUCTION AND WORKMANSHIP WHERE NOT SPECIFICALLY DESCRIBED HEREIN OR INDICATED ON THE DRAWINGS, SHALL BE SUBJECT TO ENGINEER'S APPROVAL. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE SYSTEM LEFT IN GOOD WORKING ORDER, READY FOR OPERATION.
- THE CONTRACTOR SHALL PROVIDE ALL STARTERS (WITH CONTROL TRANSFORMERS) AND DISCONNECT SWITCHES REQUIRED FOR THE EQUIPMENT UNDER THIS CONTRACT.
- THE CONTRACTOR SHALL REPAIR MARKED AND DAMAGED FACTORY-PAINTED FINISHES WITH MATERIALS AND PROCEDURES TO MATCH ORIGINAL FACTORY FINISHES FOR ALL PLUMBING EQUIPMENT.
- ALL OPENINGS MUST BE SEALED AND PROTECTED WITH 3M OR EQUAL FLAME SAFE FIRE COMPOUND.
- WHILE THE PROJECT IS UNDER CONSTRUCTION, CONTRACTOR SHALL PROVIDE PLASTIC WRAP AND COVERS AT ALL EXPOSED OPENINGS, TO STOP DUST, AND DEBRIS FROM ENTERING PIPES AND EQUIPMENT. THIS SHALL BE DONE ON A DAILY BASIS FOR THE ENTIRE PROJECT.
- ALL WORK MUST BE COORDINATED SO AS NOT TO INTERFERE WITH NORMAL BUSINESS OF OWNER. THE ENGINEER AND OWNER WILL REVIEW ALL CONSTRUCTION SCHEDULES AND PHASING OF PROJECT.

PLUMBING SPECIFICATIONS

- PIPING SHALL BE PROVIDED AND ERRECTED IN A WORKMANLIKE MANNER, ACCORDING TO THE BEST PRACTICE OF THE TRADE. THE PIPING SHOWN ON THE DRAWINGS AND THE REQUIREMENTS LAID FORTH IN THIS SPECIFICATION.
- DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD COPPER TUBING WITH 95.5 LEAD FREE SOLDERED FITTINGS AND JOINTS.
- SANITARY/WASTE PIPING BELOW GRADE SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH SERVICE WEIGHT CAST IRON HUB AND SPOOT FITTINGS AND RUBBER GASKET JOINTS.
- VENT AND SANITARY/WASTE ABOVE GRADE SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELD FITTINGS.
- VALVES SERVING THE DOMESTIC WATER SYSTEM SHALL BE LEAD FREE FULL PORT BALL VALVES, ONE OR TWO PIECE, BRASS OR BRONZE WITH STAINLESS STEEL TRIM.
- PIPE HANGERS SHALL BE OF THE CLEVIS STYLE, WITH ALL PIPING UNDER 1 1/4" SUPPORTED NO MORE THAN 8'-0" ON CENTERS. PIPING 1 1/2" AND ABOVE SHALL BE SUPPORTED NO MORE THAN 10'-0" ON CENTERS. PROVIDE HANGER RODS OF SUITABLE LENGTH AND DIAMETER TO ADEQUATELY SUPPORT PIPING.
- ALL PIPING INSULATION SHALL BE INSTALLED AFTER ALL TESTING HAS BEEN COMPLETED AND APPROVED. INSULATION SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURES INSTRUCTIONS.
- INSULATION MUST MEET THE MAXIMUM FLAME SPREAD RATE OF 25 AND SMOKE DEVELOPED OF 50 OR LESS, AS TESTED IN ACCORDANCE WITH ASTM, NFPA, AND U.L. GUIDELINES.
- DOMESTIC COLD WATER PIPING SHALL BE INSULATED WITH ONE INCH THICK JACKETED FIBERGLASS INSULATION WITH VAPOR BARRIER.
- DOMESTIC HOT WATER PIPING SHALL BE INSULATED WITH ONE INCH THICK JACKETED FIBERGLASS INSULATION.
- DOMESTIC HOT, COLD, AND DRAIN PIPING BELOW LAVATORIES SHALL BE INSULATED.
- PIPING SHALL BE TESTED FOR A PERIOD NOT LESS THAN FOUR (4) HOURS AT 1 1/2 TIMES THE MAXIMUM ALLOWABLE WORKING PRESSURE FOR THE SYSTEM.
- PROVIDE SIGNAGE, AS MANUFACTURED BY SETON NAMEPLATE, INDICATING TYPE OF FLUID AND DIRECTION OF FLOW. SIGNAGE SHALL BE IN ACCORDANCE WITH ANSI A13.1.

GENERAL DEMOLITION NOTES

- DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE WORK INDICATED HEREWITH, AS COORDINATED WITH WORK OF ALL OTHER TRADES, AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN EACH CONTRACTOR'S BASE BID TO PERFORM AND COMPLETE CONSTRUCTION, UNLESS OTHERWISE INDICATED.
- IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING PLUMBING SYSTEMS THAT ARE NOT TO BE REUSED SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY. ALL EQUIPMENT THAT IS NO LONGER REQUIRED, WHETHER INDICATED ON THESE DRAWINGS OR NOT SHALL BE REMOVED UNLESS NOTED OTHERWISE.
- REMOVE ALL EXISTING WORK NECESSARY TO ACCOMMODATE ALL NEW WORK. REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS AND PHYSICALLY INSPECT THE EXISTING CONDITIONS TO ASCERTAIN THE MAGNITUDE OF THE WORK REQUIRED TO INSTALL NEW PIPING, INSULATION, VALVES, ETC., WHICH INTERFERES WITH THE NEW WORK SHALL BE RELOCATED AND RECONNECTED USING MATERIALS AND STANDARDS OF THIS PROJECT.
- REMOVE ALL EQUIPMENT, MATERIAL, ETC. NO LONGER REQUIRED TO REMAIN IN SERVICE TO A POINT BEHIND FINISHED WALLS, FLOORS AND CEILINGS. CAP OR PLUG AS REQUIRED TO MAKE A SAFE AND OPERABLE REMAINING SYSTEM. CLOSE AND RESTORE ALL WALL, FLOOR AND CEILING OPENINGS CREATED BY REMOVALS. RESTORATION SHALL MATCH THE EXISTING SURROUNDING SURFACES.
- ITEMS TO BE RELOCATED OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.
- ALL ITEMS DESIGNATED AS 'SALVAGED' SHALL BE PROTECTED AND TURNED OVER TO THE OWNER.
- IN THE EVENT ANY ITEM OR SYSTEM TO BE REMOVED OR RELOCATED, AS INDICATED ON THE DRAWINGS OR AS NECESSITATED BY ALTERATION OR NEW CONSTRUCTION IS IN ACTIVE USE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN SUCH USE UNTIL THE PERMANENT INSTALLATION IS COMPLETED.
- PROVIDE FOR REROUTING WORK IN EXISTING WALLS, FLOORS AND CEILINGS WHICH WILL BE DISTURBED OR WHICH WILL REQUIRE RELOCATION TO ACCOMMODATE THE NEW WORK OR ALTERATION.
- PLUMBING DEMOLITION AND NEW WORK SHALL BE COORDINATED WITH ARCHITECT, ELECTRICAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES.
- REROUTE PIPING PASSING THROUGH DEMOLITION AREAS TO MAINTAIN CONTINUITY AND SERVICES TO OTHER EXISTING AREAS TO REMAIN.
- INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS WHICH MAY BE INACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL PLUMBING SERVICES, PIPING, ETC. AND FIELD CONDITIONS PRIOR TO DEMOLITION, RECONNECTION AND NEW INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT THE TURNOVER OF PLUMBING EQUIPMENT DEVICES, ACCESSORIES, ETC. BEFORE DEMOLITION IN ALL SPACES SHOWN. ALL UNUSED MATERIALS AND EQUIPMENT ARE THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE ARCHITECT. OWNER RESERVES THE RIGHT TO RETAIN ANY MATERIAL WHICH SHALL BE STORED ON SITE AT THEIR DIRECTION. ALL OTHER MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- PROVIDE ANY ADDITIONAL LABOR AND MATERIAL AS REQUIRED TO MAINTAIN ALL REMAINING PLUMBING ITEMS OPERATIONAL FOR ALL EXISTING SERVICES THAT ARE EXISTING TO REMAIN.
- PLUMBING WORK SHALL INCLUDE ALL REQUIRED CUTTING, PATCHING AND THE FULL RESTORATION OF WALL AND FLOOR STRUCTURE AND SURFACES. ALL EQUIPMENT, WALLS, FLOORS, ETC., DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL EMPLOY THE WORKMEN OF THE PROPER TRADES TO EXECUTE THIS WORK.
- SEE PLUMBING AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING DEMOLITION, CUTTING AND PATCHING, FLASHING, FIRESTOPPING AND STRUCTURAL SUPPORTS.
- ALL SYSTEMS TO REMAIN THAT ARE DAMAGED DURING THE DEMOLITION PHASE OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
- CONDITIONS INDICATED AS EXISTING ARE TAKEN FROM FIELD OBSERVATION, WHILE ALL ATTEMPTS AT ACCURACY HAVE BEEN TAKEN, NO GUARANTEE OF AN EXACT REPRESENTATION OR COMPLETENESS IS IMPLIED. RESPONSIBILITY FOR FINAL VERIFICATION FALLS TO THE CONTRACTOR. ANY UNRESOLVED DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
- LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.
- VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS OR DISCREPANCIES ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.

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CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330
FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

PLUMBING GENERAL NOTES, ABBREVIATIONS AND LEGEND

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

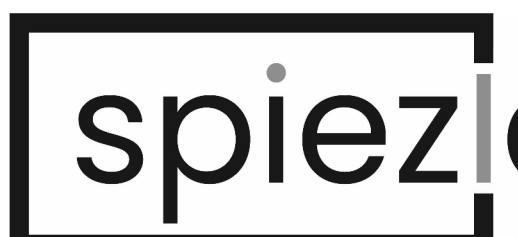
DRAWING NUMBER:

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SPIEZE ARCHITECTURAL GROUP, INC. 214602003000
STEVEN LANGRAN, PE 214602346700

BID DOCUMENTS

BUILDING E OFFICE
RENOVATION

FOR

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2020

REVISIONS:		
#	REVISION NAME	DATE

FOR BID: 09/17/2028

DRAWING TITLE:

PARTIAL FLOOR PLAN -
DOMESTIC WATER -
AREA 'E' DEMOLITION

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:
PD1.0

PLUMBING DEMOLITION KEY NOTES	
Key Value	Keynote Text
1	REMOVE THE EXISTING NATURAL GAS PIPING BACK TO THE LOCATION SHOWN. PROVIDE VALVE AND CAP.
2	REMOVE THE EXISTING SANITARY ROOF VENT IN ITS ENTIRETY. PATCH ROOF PENETRATION TO MATCH EXISTING ROOF CONDITIONS.
3	REMOVE THE EXISTING NATURAL GAS PIPING BACK TO THE LOCATION SHOWN AND PREPARE FOR RECONNECTION.

CODE REVIEW:

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SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

DRAWING TITLE:

PARTIAL ROOF PLAN - PLUMBING - AREA 'E' DEMOLITION

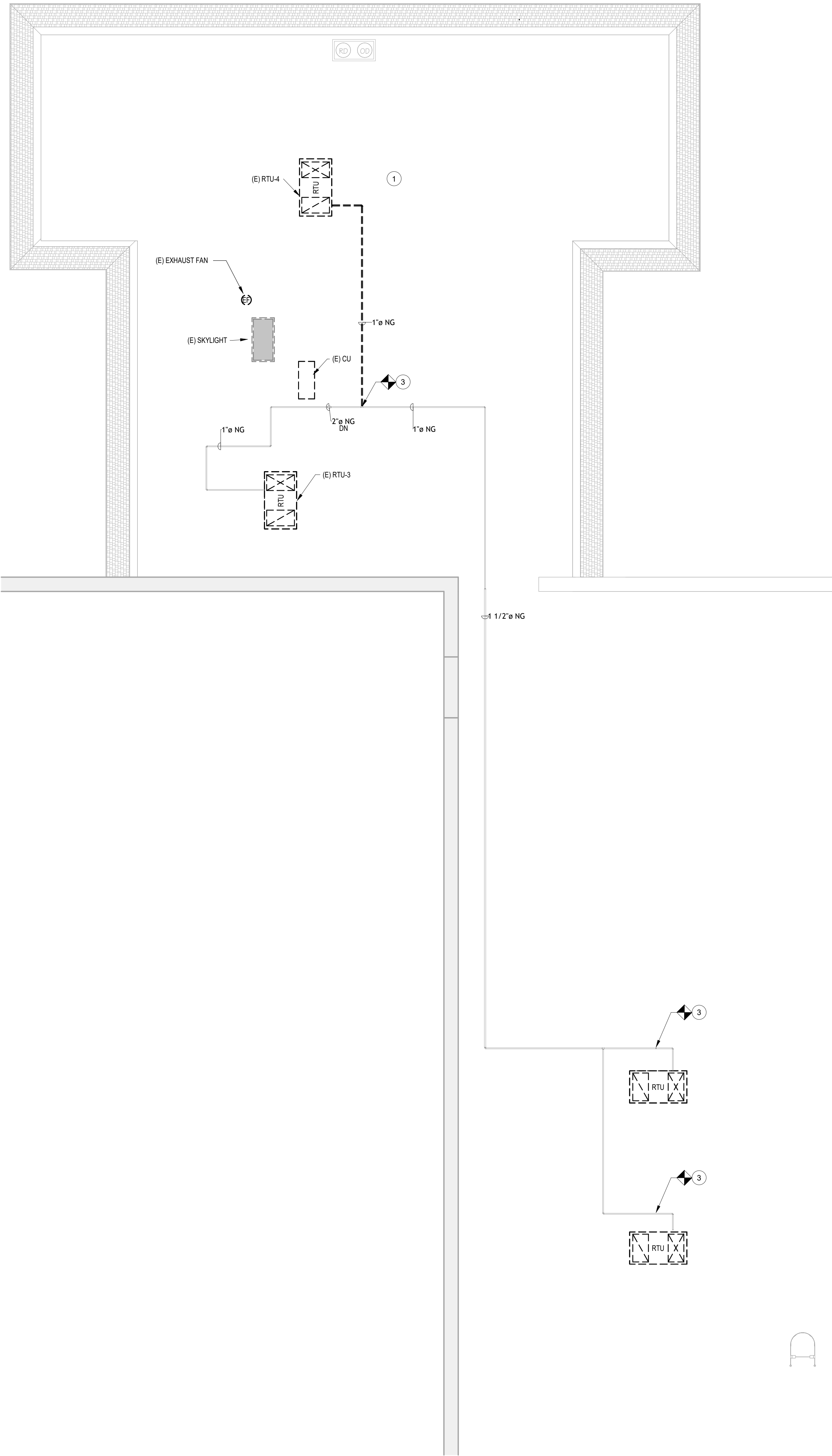
COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

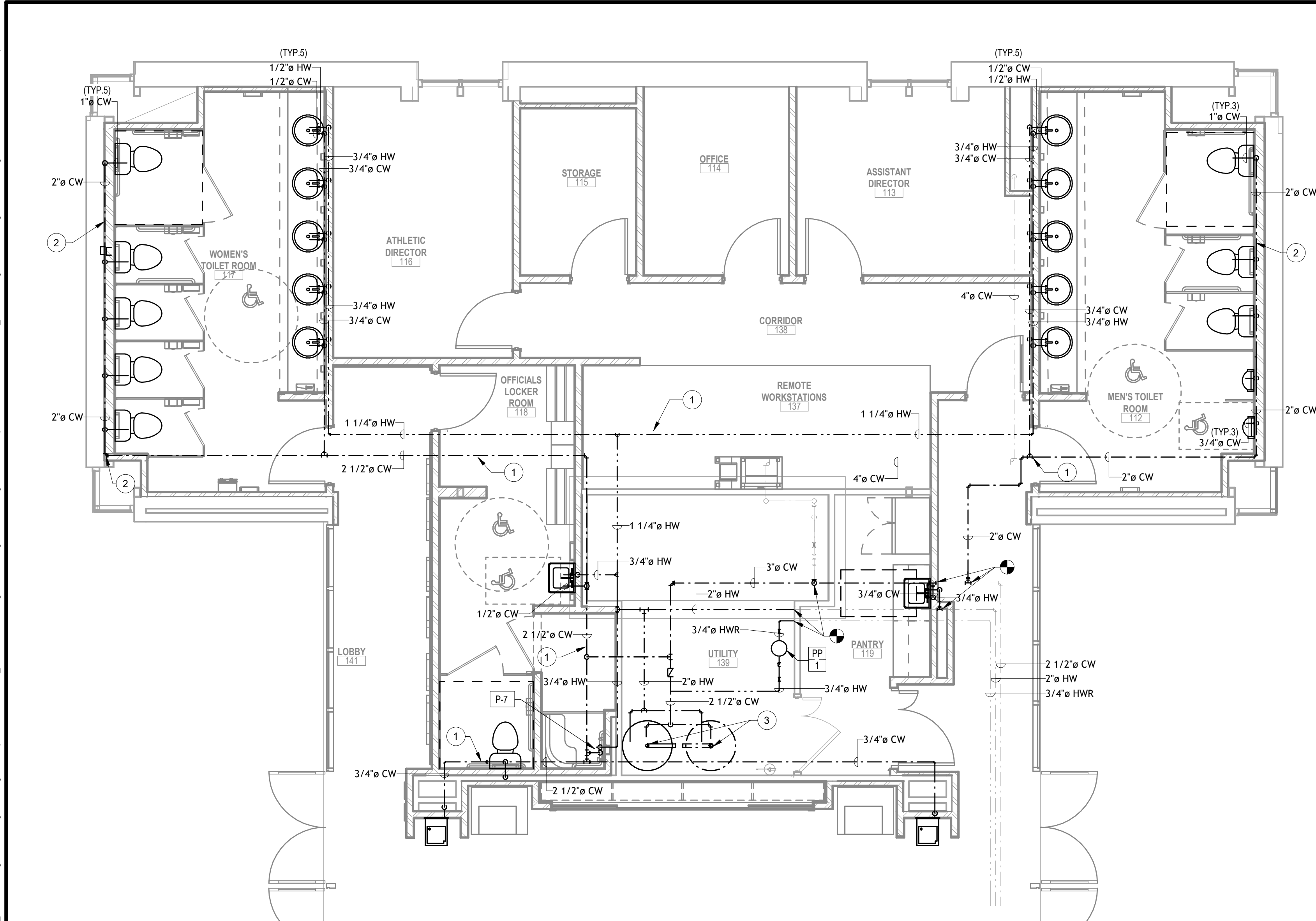
DRAWING NUMBER:

PD1.1

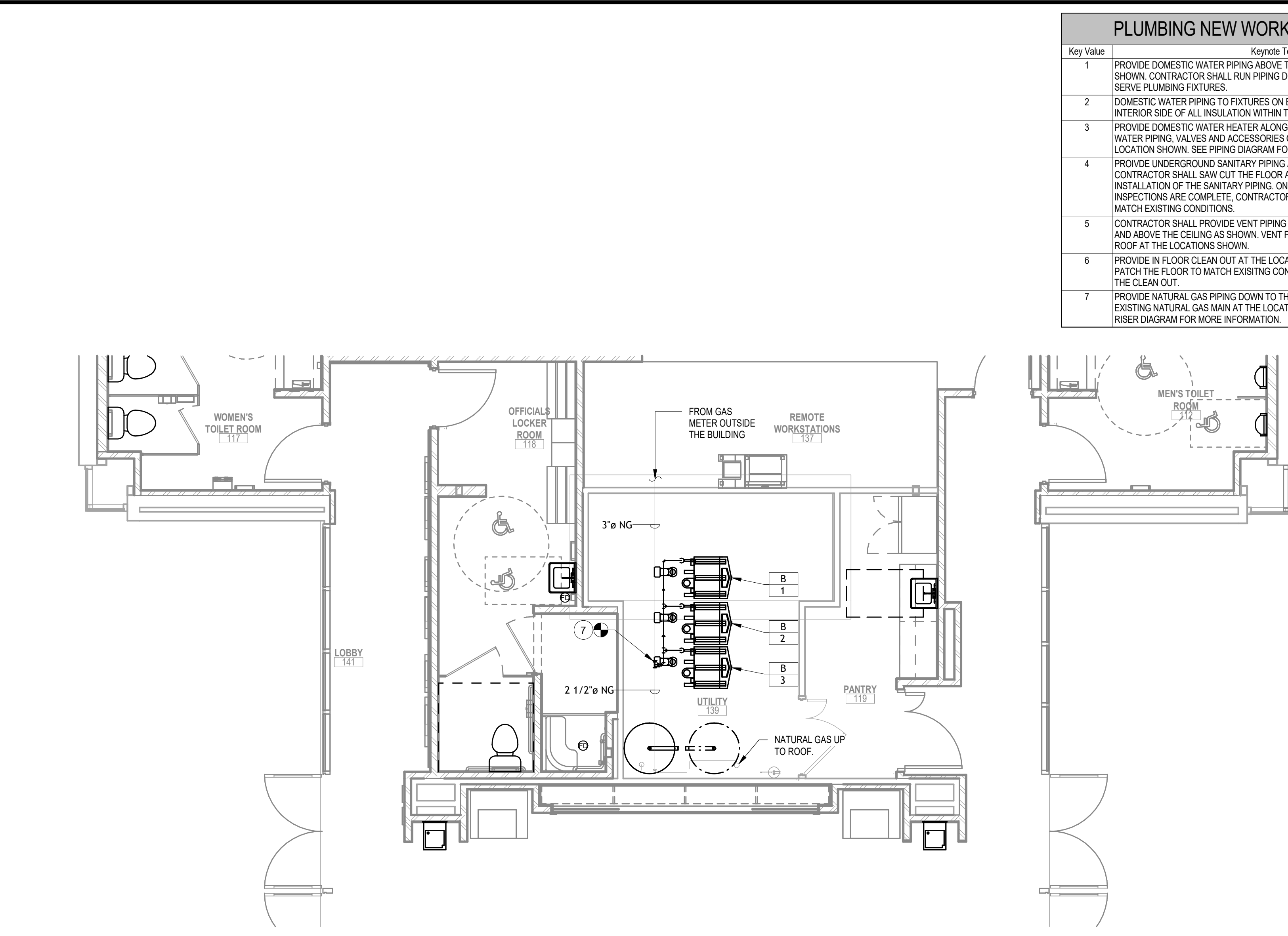


1 PARTIAL ROOF PLAN - PLUMBING NATURAL GAS PIPING DEMOLITION

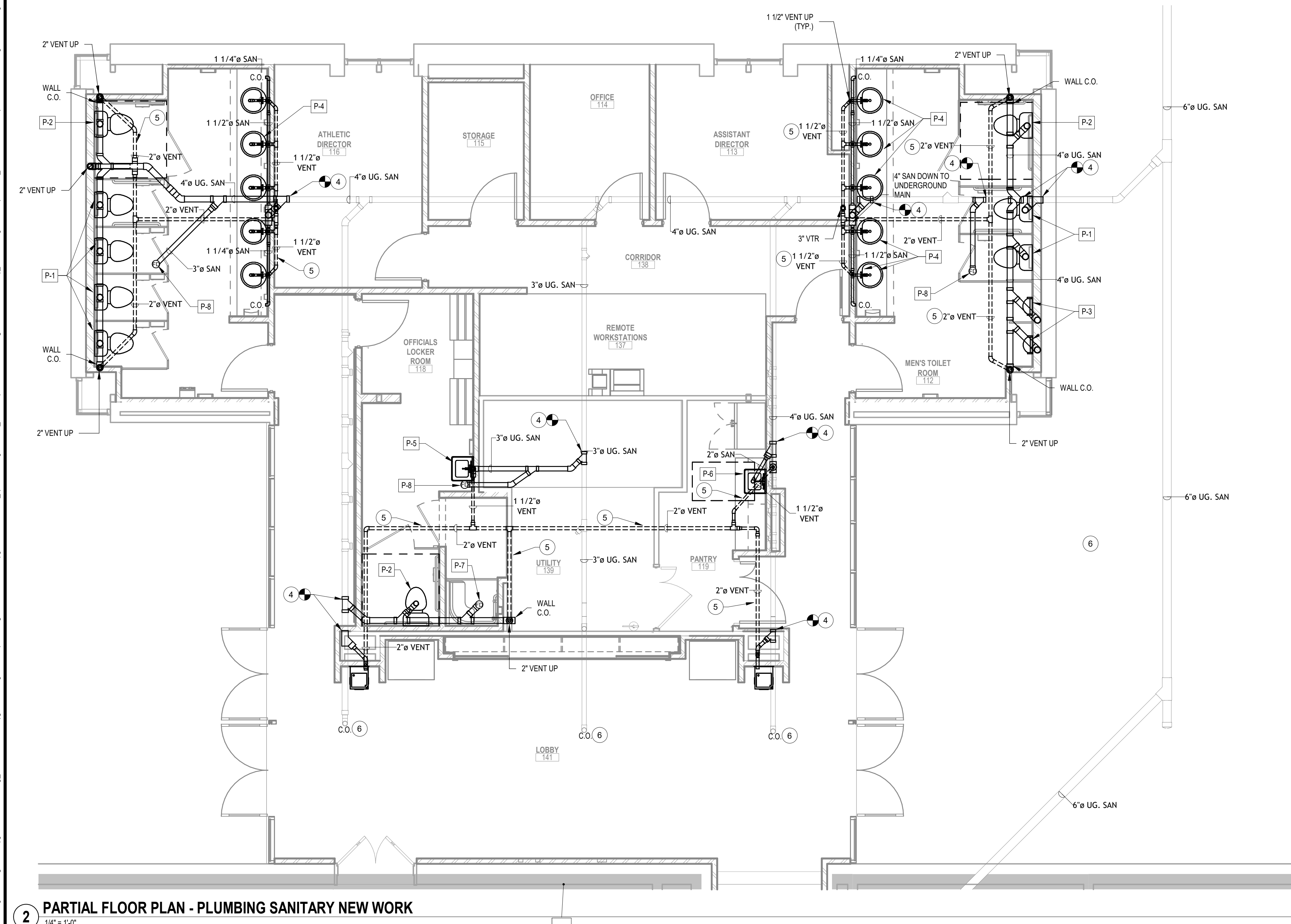
3/16" = 1'-0"



1 PARTIAL CEILING PLAN - PLUMBING DOMESTIC WATER NEW WORK
1/4" = 1'-0"



3 PARTIAL CEILING PLAN - PLUMBING NATURAL GAS NEW WORK
1/4" = 1'-0"



2 PARTIAL FLOOR PLAN - PLUMBING SANITARY NEW WORK
1/4" = 1'-0"

PLUMBING NEW WORK KEY NOTES	
Key Value	Keynote Text
1	PROVIDE DOMESTIC WATER PIPING ABOVE THE CEILING AT THE LOCATION SHOWN. CONTRACTOR SHALL RUN PIPING DOWN IN WALLS AS REQUIRED TO SERVE PLUMBING FIXTURES.
2	DOMESTIC WATER PIPING TO FIXTURES ON EXTERIOR WALLS SHALL RUN ON THE INTERIOR SIDE OF ALL INSULATION WITHIN THE EXTERIOR WALL.
3	PROVIDE DOMESTIC WATER HEATER ALONG WITH ALL ASSOCIATED DOMESTIC WATER PIPING, VALVES AND ACCESSORIES ON A 4" HOUSEKEEPING PAD AT THE LOCATION SHOWN. SEE PIPING DIAGRAM FOR MORE INFORMATION.
4	PROVIDE UNDERGROUND SANITARY PIPING AT THE LOCATION SHOWN. CONTRACTOR SHALL SAW OUT THE FLOOR AS REQUIRED TO FACILITATE THE INSTALLATION OF THE SANITARY PIPING. ONCE PIPING INSTALLATION AND INSPECTIONS ARE COMPLETE, CONTRACTOR SHALL PATCH THE FLOOR TO MATCH EXISTING CONDITIONS.
5	CONTRACTOR SHALL PROVIDE VENT PIPING UP FROM THE PLUMBING FIXTURES AND ABOVE THE CEILING AS SHOWN. VENT PIPING SHALL RISE THROUGH THE ROOF AT THE LOCATIONS SHOWN.
6	PROVIDE IN FLOOR CLEAN OUT AT THE LOCATION SHOWN. CONTRACTOR SHALL PATCH THE FLOOR TO MATCH EXISTING CONDITIONS AFTER INSTALLATION OF THE CLEAN OUT.
7	PROVIDE NATURAL GAS PIPING DOWN TO THE BOILERS. CONNECT TO THE EXISTING NATURAL GAS MAIN AT THE LOCATION SHOWN. SEE THE NATURAL GAS RISER DIAGRAM FOR MORE INFORMATION.

CODE REVIEW:

CERTIFICATE:



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PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

PARTIAL FLOOR PLAN - DOMESTIC WATER - AREA 'E' NEW WORK

COMMISSION NUMBER:
25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

P1.0

PLUMBING NEW WORK KEY NOTES	
Key Value	Keynote Text
1	PROVIDE NATURAL GAS PIPING AND ASSOCIATED VALVES AND FITTINGS TO EACH PIECE OF ROOF TOP EQUIPMENT. SEE NATURAL GAS RISER DIAGRAM FOR MORE INFORMATION.

CODE REVIEW:

CERTIFICATE:



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BUILDING E OFFICE RENOVATION

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LANDING, NJ 08330

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FOR BID:

09/17/2026

DRAWING TITLE:

PARTIAL ROOF PLAN - PLUMBING NEW WORK

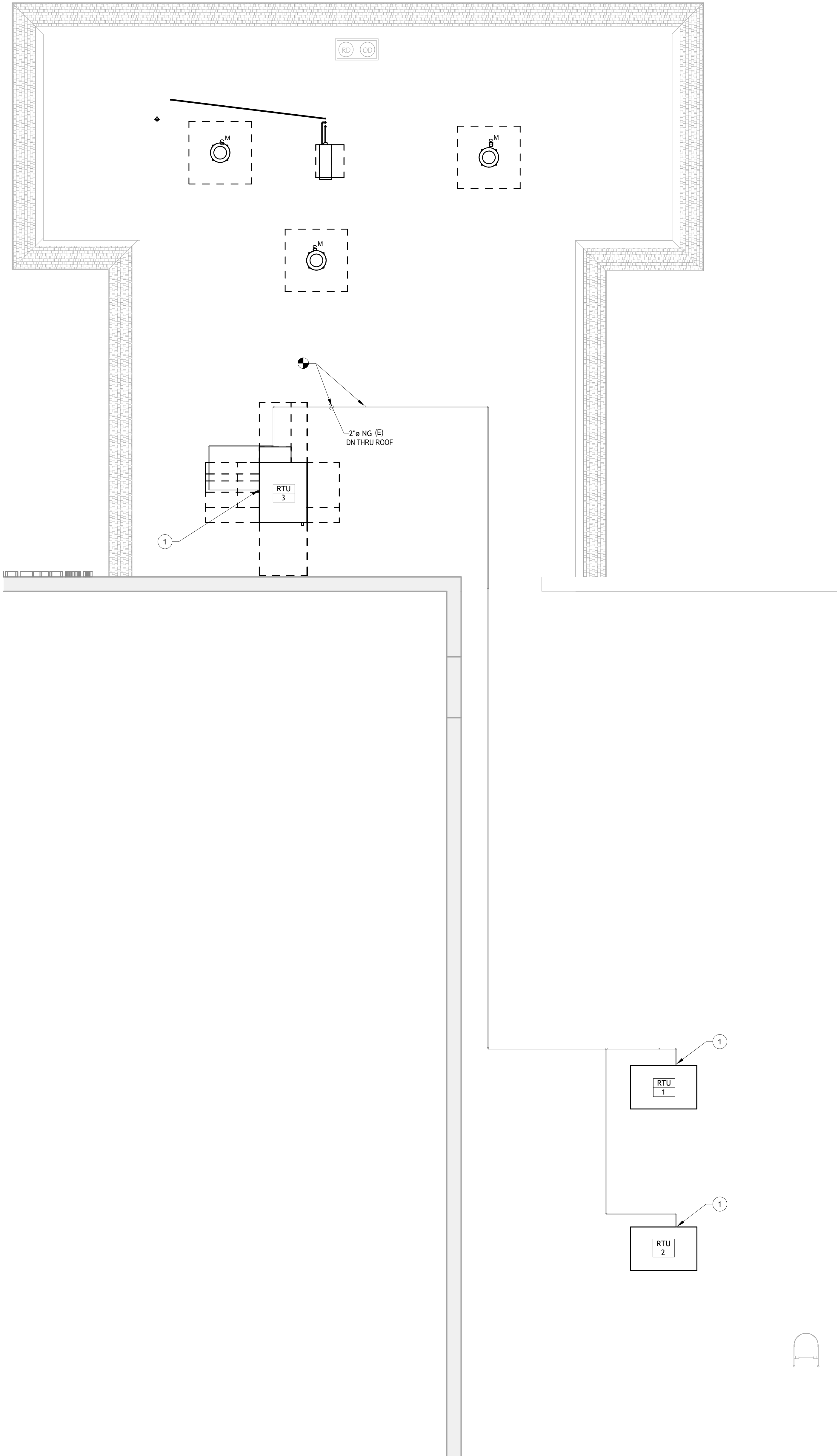
COMMISSION NUMBER:

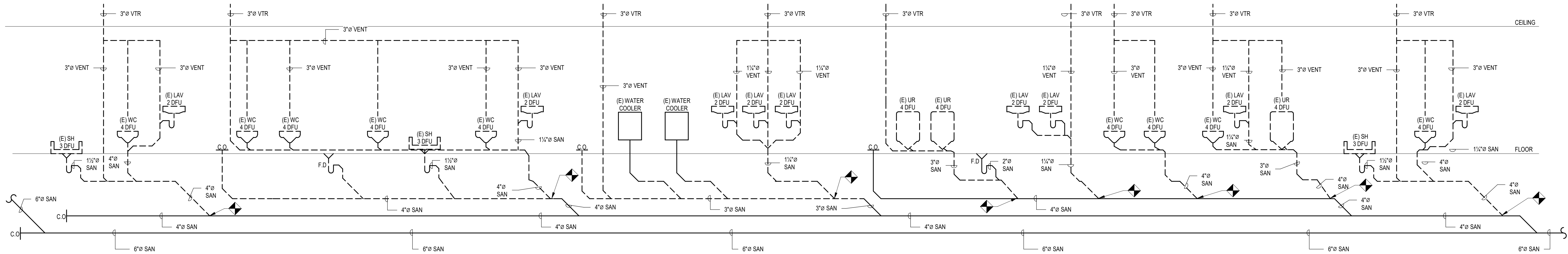
25U012

DO NOT SCALE THE DRAWINGS

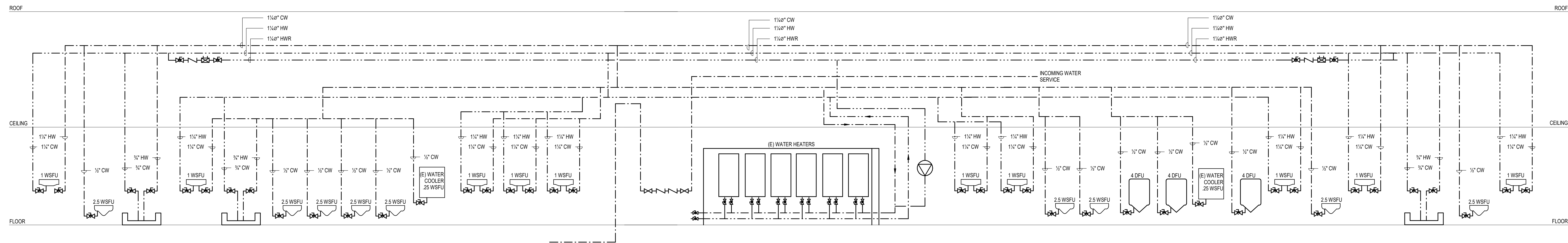
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P1.1

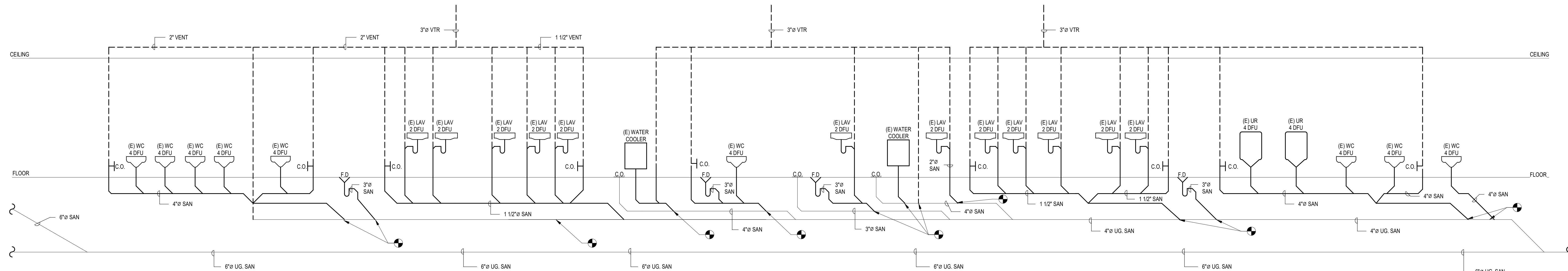




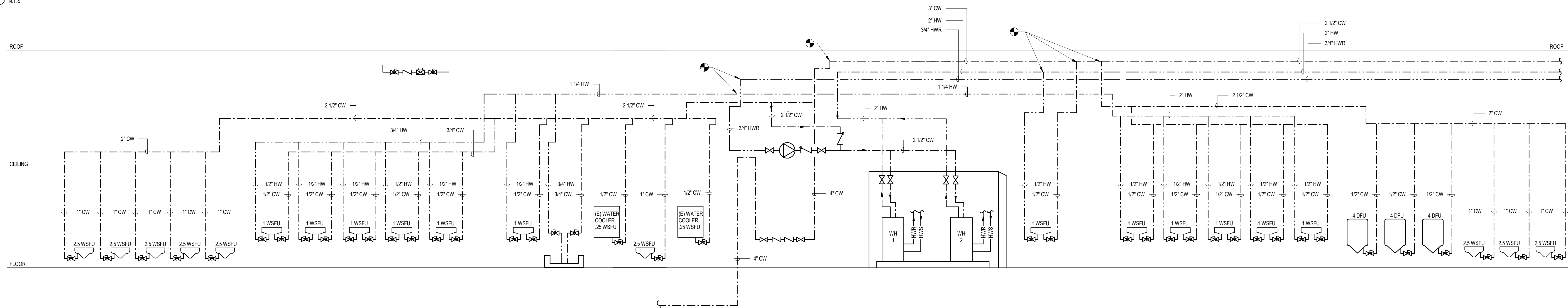
1 SANITARY WATER RISER DIAGRAM - DEMOLITION



2 DOMESTIC WATER RISER DIAGRAM - DEMOLITION



3 SANITARY WATER RISER DIAGRAM - NEW WORK



4 DOMESTIC WATER RISER DIAGRAM NEW WORK

CODE REVIEW:

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PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
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FOR

ATLANTIC CAPE COMMUNITY COLLEGE

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FOR CODE REVIEW:

09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

09/17/2026

CEILING:

DRAWING TITLE:

PLUMBING RISER DIAGRAM - BUILDING E

COMMISSION NUMBER:

FLOOR

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

P3.0



CODE REVIEW:

CERTIFICATE:



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TEYEN LANGAN, PE	24GE04346700

SEAL:

CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE
RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

R

ATLANTIC CAPE
COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW:

17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID:

17/2026

DRAWING TITLE:

PLUMBING NATURAL GAS RISER DIAGRAM

COMMISSION NUMBER:

25U012

DO NOT SCALE THE DRAWINGS

DRAWING NUMBER:

P3.1



THE NUMBER OF ELBOWS UPSTREAM FROM THE WATER HAMMER ARRESTER SHOULD BE MINIMIZED. EACH ELBOW REPRESENTS A POINT OF SHOCK AND POTENTIAL FAILURE.

3' = 1'-0"
1 1/2" = 1'-0"
1" = 1'-0"
3/4" = 1'-0"
1/2" = 1'-0"
1/4" = 1'-0"
1/8" = 1'-0"
1/16" = 1'-0"

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	CATALOG NUMBER	VOLTAGE	WATTS	NOTES
A	2 x 2 LED	RECESSED	FOCAL POINT	FEQ2-22-AC 5500UH-940K-1C-UNV-111-G1-WH	120/208	-W	4,000K
AE	2 x 2 LED	RECESSED	FOCAL POINT	FEQ2-22-AC 5500UH-940K-1C-UNV-111-G1-EM-WH	120/208	-W	4,000K
B	0" DOWN LIGHT	RECESSED	FOCAL POINT	FLOBD-RF-3000L-120-111-LH1-T-RD-940K-DN-WH	120/208	-W	4,000K
BE	0" DOWN LIGHT	RECESSED	FOCAL POINT	FLOBD-RF-3000L-120-111-LH1-T-RD-EM-940K-DN-WH	120/208	-W	4,000K
C	LINEAR LED	RECESSED	FOCAL POINT	FSMLP-FL-875L-F-40K-XC-UNV-G1-WH-XX	120/208	-W	4,000K
D	LINEAR LED	PENDANT	MERCURY	LSA-4-52-40K-HTA-JNI	120/208	-W	4,000K
F	LINEAR LED	SURFACE	ISOLITE	TL2-AC-R-U-CC-MTEB	120/208	-W	4,000K
G	LED STRIP	SURFACE	GLOWBACK LED	CS35240LP + S3 NARROW BEAM PROFILE 14"	120/208	-W	4,000K
H	LED EXTERIOR	SURFACE	SPI LIGHTING	SEW12146-9FT-L71W-FH-4000K-MCS-PSE-WL-RUN25-FT	120/208	-W	4,000K
X	EXIT LIGHT	SURFACE	ISOLITE	TL2-AC-R-U-CC-MTEB	120/208	-W	4,000K

Branch Panel: (E) PANEL GD RELOCATED											
Location: STORAGE 115				Volts: 120/208 WYE				A.I.C. Rating:			
Supply From:				Phases: 3				Mains Type:			
Mounting: Surface				Wires: 4				Mains Rating: 250 A			
Enclosure: Type 1								MCB Rating:			
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	(E) DOOR OPENERS	20 A	1	800 VA 1500...				1	20 A (E) DATA RACK	2	
3	EXISTING LOAD	20 A	1		600 VA 600 VA			2	30 A (E) ROAD/SIGN	4	
5	EXISTING LOAD	20 A	1			600 VA 600 VA	--	--		6	
7	EXISTING LOAD	20 A	1	600 VA 600 VA				1	20 A EXISTING LOAD	8	
9	EXISTING LOAD	20 A	1		600 VA 600 VA			1	20 A EXISTING LOAD	10	
11	EXISTING LOAD	20 A	1			600 VA 600 VA	1	20 A EXISTING LOAD		12	
13	VAV BOXES 1, 2, 3	20 A	1	800 VA 300 VA				1	15 A BOILER B-1	14	
15	VAV BOXES 4, 5, 6	20 A	1		800 VA 300 VA			2	15 A BOILER PUMP BP-1	16	
17	ZONE PUMP P-1	20 A	2			300 VA 300 VA	--	--		18	
19	--	--	--	300 VA 300 VA				1	15 A BOILER B-2	20	
21	ZONE PUMP P-2	20 A	2		300 VA 300 VA			2	15 A BOILER PUMP BP-2	22	
23	--	--	--			300 VA 300 VA	--	--		24	
25	ZONE PUMP P-3	20 A	2	300 VA 300 VA				1	15 A BOILER B-3	26	
27	--	--	--		300 VA 300 VA			2	15 A BOILER PUMP BP-3	28	
29	ATHLETIC DIRECTOR RECPT.	20 A	1			1000... 300 VA	--	--		30	
31	ASSISTANT DIRECTOR RECPT.	20 A	1	1000... 1000...				1	20 A OFFICE AREA LIGHTS	32	
33	OFFICIALS LOCKER ROOM RECPT.	20 A	1		1000... 1000...			1	20 A PUBLIC SPACES LIGHTS	34	
35	TROPHY CASE	20 A	1			1000... 1000...		1	20 A REMOTE WORKSTATION RECPT.	36	
37	SPARE	20 A	1	0 VA 1000...				1	20 A PANTRY FRIDGE RECPT.	38	
39	SPARE	20 A	1		0 VA 1000...			1	20 A PANTRY RECPT.	40	
41	SPARE	20 A	1			0 VA 0 VA		1	20 A Spare	42	
Total Load:				8800 VA	7700 VA	6900 VA					
Total Amps:				74 A	65 A	58 A					
Legend:											
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Spare		23400 VA		100.00%		23400 VA					
								Total Conn. Load: 23400 VA			
								Total Est. Demand: 23400 VA			
								Total Conn. Current: 65 A			
								Total Est. Demand Current: 65 A			
Notes:											

ELECTRICAL LEGEND	
NOTE: NOT ALL DEVICES SHOWN ON THE LEGEND ARE USED ON THIS PROJECT	
	MOTOR RATED SWITCH
	NON - FUSED DISCONNECT
	DUPLEX OUTLET (GFCI PROTECTION)
	DUPLEX OUTLET (NORMAL EMERGENCY)
	CONTROL WIRING
	CIRCUIT HOME RUN WITH CIRCUIT NUMBER INDICATED
	FIRE ALARM PULL STATION
	FIRE ALARM AUDIOVISUAL HORN ALARM DEVICE # INDICATES CANDELA RATING. WHERE NO NUMBER IS INDICATED, PROVIDE DEVICE WITH 15 CANDELA RATING.
	FIRE ALARM VISUAL-ONLY ALARM DEVICE # INDICATES CANDELA RATING. WHERE NO NUMBER IS INDICATED, PROVIDE DEVICE WITH 15 CANDELA RATING.

APPLICABLE CODES (NJ)	
LISTED BELOW ARE THE CURRENT ADOPTED CODES UNDER THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE (U.C.C.).	
INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION	2021
INTERNATIONAL MECHANICAL CODE	2021
ENERGY SUBCODE - ASHRAE 90.1	2019
NATIONAL ELECTRICAL CODE (NFPA 70)	2020
NATIONAL STANDARD PLUMBING CODE	2021
INTERNATIONAL FUEL GAS CODE	2021
BARRIER FREE SUBCODE, CHAPTER 11 OF IBC	2021
NU CONSTRUCTION CODE	2017
NU REHABILITATION SUBCODE	NJAC 5:23
NU BARRIER FREE SUBCODE	NJAC 5:23-6
ELEVATOR SUBCODE	NJAC 5:23-12
ANY WORK WHICH DEVIATES FROM SUCH STANDARDS SHALL BE RECTIFIED TO THE SATISFACTION OF THE GOVERNING AUTHORITY. THE REQUIREMENTS OF GOVERNING AUTHORITIES SHALL SUPERSEDE THE DRAWINGS AND SPECIFICATIONS IN ALL CASES. THE ENGINEER SHALL BE NOTIFIED BY WRITTEN CHANGE ORDER BEFORE SUCH WORK IS STARTED. NON-FAMILIARITY WITH GOVERNING RULES AND REGULATIONS SHALL NOT BE CAUSE FOR AN EXTRA CHARGE IN THE EVENT THAT WORK MUST BE REPLACED FOR NONCOMPLIANCE.	

ABBREVIATIONS	
A	AMPERE
A.F.F.	ABOVE FINISHED FLOOR
AFI	ARC-FAULT INTERRUPTER RECEPTACLE
ARCH.	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUX.	AUXILIARY
AV	AUDIOVISUAL
AWG.	AMERICAN WIRE GAUGE
BKR.	BREAKER
CKT.	CIRCUIT
CLG.	CEILING
COND.	CONDUIT
CT	CURRENT TRANSFORMER
DISC.	DISCONNECT
DN	DOWN
DWG	DRAWING
E	EXISTING
E.C.	ELECTRICAL CONTRACTOR
EL	ELEVATION
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUAL
EWG	ELECTRIC WATER COOLER
F.A.	FIRE ALARM
FT	FOOT OR FEET
G.C.	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CURRENT INTERRUPTER
GND	GROUND
HD	HAND DRYER
DF	IMMEDIATE DISTRIBUTION FRAME
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MTD	MOUNTED
N/A	NOT APPLICABLE
NE	NORMAL EMERGENCY
NIC	NOT IN CONTRACT
CC	ON CENTER
P	POLE
PNL	PANEL
SF	SQUARE FEET
SW	SWITCH
TR	TAMPER RESISTANT
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VIF	VERIFY IN FIELD
W	WITH
WH	WATER HEATER
WP	WITHOUT
WPR	WEATHERPROOF
XMR	TRANSFORMER

ELECTRICAL GENERAL NOTES	
1. CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT WIRING TO ALL ITEMS WHICH REQUIRE ELECTRICAL CONNECTIONS. WHERE BRANCH CIRCUIT WIRING IS NOT SHOWN, CONTRACTOR SHALL CONNECT ITEMS TO THE CIRCUITS INDICATED. EXACT ROUTING OF CONDUITS AND WIRING SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND SPECIFICATIONS.	
2. CONTRACTOR SHALL USE ONLY THOSE WIRING METHODS ALLOWED IN THE SPECIFICATIONS.	
3. A MAXIMUM OF 3 CIRCUITS SHALL BE RUN IN ONE CONDUIT. CIRCUITS MUST BE ON SEPARATE PHASES. CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.	
4. MINIMUM WIRE SIZE SHALL BE #12AWG. MINIMUM CONDUIT SIZE SHALL BE 3/4".	
5. VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE.	
6. PROVIDE CONDUIT, WIRING AND CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER.	
7. INSTALL IT CONDUIT FROM EACH DATA/SECURITY DROP TO ACCESSIBLE POINT WITHIN CEILING PLENUM AND TERMINATE WITH BUSHING.	
8. COORDINATE EXACT LOCATION OF LIGHTING FIXTURES WITH HVAC DUCTWORK, PIPING AND EQUIPMENT.	
9. LIGHT SWITCH LOCATIONS ARE SHOWN FOR DIAGRAMMATIC PURPOSES. COORDINATE EXACT LOCATIONS IN THE FIELD. DESIGN INTENT IS TO LOCATE THE SWITCHES NO MORE THAN 36" FROM THE DOOR OPENING (ON THE LATCH SIDE OF THE DOOR).	
10. ALL LIGHTING FIXTURES SHALL BE COMPATIBLE WITH THE CEILING CONSTRUCTION.	
11. WIRE ALL EMERGENCY BATTERY FIXTURES, EXIT SIGNS, & REMOTE HEADS TO THE UNWITTED LEG OF THE ROOM LIGHTING CIRCUIT.	

ELECTRICAL SPECIFICATIONS	
1. BRANCH CIRCUIT AND FEEDER WIRING RUN WITHIN THE BUILDING SHALL BE INSTALLED IN ELECTRO-METALLIC TUBING WITH COMPRESSION FITTINGS AND RUN CONCEALED WHERE POSSIBLE. ARMORED CABLE (TYPE MC) SHALL BE PERMITTED IN CONCEALED AREAS ONLY AND TO THE EXTENT PERMITTED BY CODE.	
2. INSULATION SHALL BE 600 VOLT EQUAL TO, TYPE THHN OR XHHW 90°C. CONDUCTORS SHALL BE STRANDED COPPER FOR #8 AND LARGER AND SOLID COPPER FOR #10 AND SMALLER. MINIMUM POWER WIRING SIZE SHALL BE #12.	
3. FURNISH AND INSTALL POWER WIRING AS REQUIRED FOR EQUIPMENT FURNISHED UNDER H.V.A.C. AND GENERAL TRADE SELECTIONS, UNLESS NOTED OTHERWISE.	
4. ALL CIRCUITS SHALL BE 2-#12 WITH 1-#12 GROUND IN 3/4" CONDUIT UNLESS NOTED OTHERWISE, OR SIZED DOES NOT MATCH PROTECTION RATINGS, ADJUST AS REQUIRED.	
5. DEVICES SHALL BE MANUFACTURED BY "LEVITON" OR EQUAL. DEVICE AND COVER PLATES SHALL BE COLORS BY ARCH PAINTED STEEL UNLESS NOTED OTHERWISE. STANDARD DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE 20 AMP, NEMA 5-20R, SIDE WIRED ONLY. COLORS BY ARCH.	
6. SWITCHES SHALL BE 20A, 120/277 VOLT RATED WITH QUIET OPERATING WHITE TOGGLE AND DIMMING/OCCUPANCY SENSORS AS REQUIRED. WHERE SWITCHES ARE GROUPED, PROVIDE GANGED COVER PLATES.	
7. ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION AFTER WIRES ARE IN PLACE AND CONNECTED. SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS. HOT AND NEUTRAL CONDUCTORS, IF SHORTED OR GROUNDED THE EQUIPMENT SHALL BE REMOVED AND REPLACED. METERS, INSTRUMENTS, CABLE CONNECTIONS, EQUIPMENT OR APPARATUS NECESSARY FOR MAKING ALL TESTS, SHALL BE FURNISHED BY THIS CONTRACTOR AT HIS OWN EXPENSE.	
8. ALL OCCUPANCY SENSORS SHALL BE DUAL TECHNOLOGY. FINAL ADJUSTMENTS INCLUDING LOCATIONS AND SHIELDING SHALL BE MADE 3 MONTHS AFTER SPACES ARE OCCUPIED.	

ELECTRICAL DEMOLITION NOTES	
1. DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE WORK INDICATED HEREIN, AS COORDINATED WITH WORK OF ALL OTHER TRADES, AS INDICATED ELSEWHERE, AND AS REQUIRED TO ACCOMMODATE CONSTRUCTION. ALL DEMOLITION REQUIRED SHALL BE INCLUDED IN THE BASE BID TO PERFORM AND COMPLETE CONSTRUCTION UNLESS OTHERWISE INDICATED. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	
2. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY/ALL DAMAGES TO EXISTING FLOORS, FLOOR TILES, WALLS, CEILINGS, FURNISHINGS, ETC. DUE TO THE REMOVAL PROCESS OF ELECTRICAL EQUIPMENT AND ALL ASSOCIATED ITEMS.	
3. THE DEMOLITION PLAN AS SHOWN IS NOT TO BE CONSIDERED ALL INCLUSIVE BUT IS TO BE A GENERAL GUIDE TO THE SCOPE OF THE DEMOLITION. ALL DEMOLITION MUST BE PERFORMED AS REQUIRED TO BRING THE AREA SHOWN TO A STATE WHERE THE NEW CONSTRUCTION WORK CAN BE ACCOMPLISHED AS SHOWN ON THESE CONSTRUCTION DOCUMENTS.	
4. CONTRACTOR SHALL DISCONNECT POWER TO ALL EQUIPMENT INDICATED. REMOVE ALL ASSOCIATED DEVICES, CABLING AND CONDUIT BACK TO SOURCE UNLESS NOTED OTHERWISE.	
5. AT EQUIPMENT/DEVICES BEING REMOVED, ABANDON CONDUIT AND BOXES IN BLOCK WALLS TO REMAIN. REMOVE ALL WIRE AND CONDUIT EXPOSED AND ABOVE CEILING BACK TO SOURCE. COVER ALL BOXES TO REMAIN IN BLOCK WALL WITH BLANK COVER PLATES.	
6. ALL ITEMS DESIGNATED AS 'SALVAGED' SHALL BE PROTECTED AND TURNED OVER TO THE OWNER.	
7. ALL MATERIAL AND EQUIPMENT REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.	
8. ITEMS TO BE RELOCATED OR REINSTALLED SHALL BE AS INDICATED. SPECIAL CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR SHALL COORDINATE THE STORAGE OF ALL SALVAGED ITEMS TO BE EITHER RELOCATED OR REINSTALLED WITH THE OWNER.	
9. ALL EXISTING CONDUITS AND WIRING NOT BEING USED SHALL BE REMOVED BACK TO SOURCE.	
10. LOCATIONS AND/OR ELEVATIONS OF EXISTING ITEMS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. RESPECTIVE TRADES SHALL FIELD VERIFY ALL LOCATIONS.	
11. VERIFY ALL CONDITIONS PRIOR TO COMMENCING DEMOLITION. SHOULD QUESTIONS OR DISCREPANCIES ARISE, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, IN WRITING, PRIOR TO PROCEEDING WITH DEMOLITION.	
12. CONTRACTOR IS RESPONSIBLE FOR SHORING, BRACING AND UNDERPINNING RELATED TO THE DEMOLITION, REMOVAL OR CUTTING OF ANY WALL, PARTITION, OR ANY OTHER LOAD-BEARING OR STRUCTURAL ELEMENT.	

CODE REVIEW:

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CONSULTANTS:

BID DOCUMENTS

PROJECT:

BUILDING E OFFICE RENOVATION

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR

ATLANTIC CAPE COMMUNITY COLLEGE

5100 BLACK HORSE PIKE, MAYS
LANDING, NJ 08330

FOR CODE REVIEW: 09/17/2026

REVISIONS:

#	REVISION NAME	DATE
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FOR BID: 09/17/2026

DRAWING TITLE:

ELECTRICAL GENERAL NOTES, ABBREVIATIONS AND LEGEND

COMMISSION NUMBER:

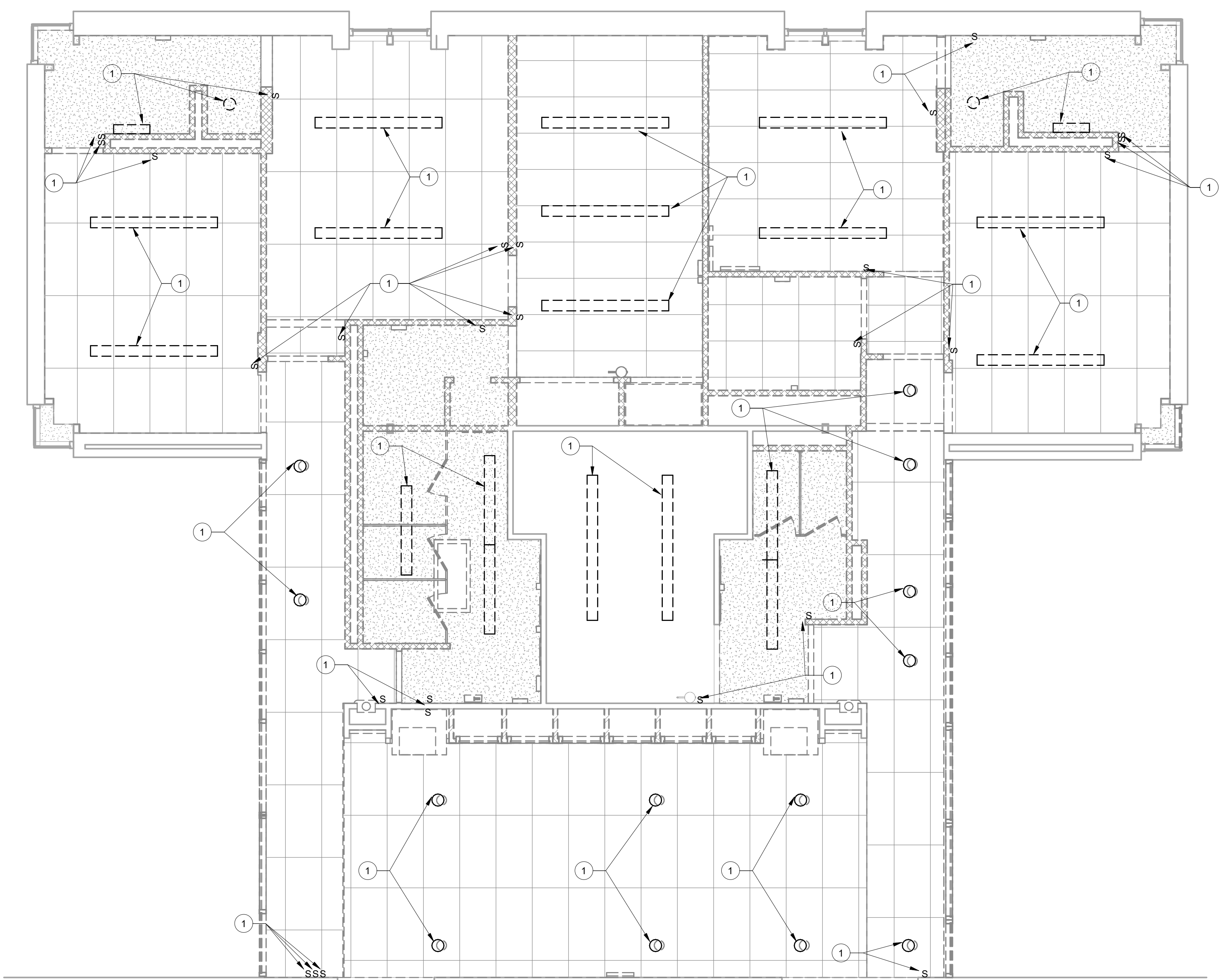
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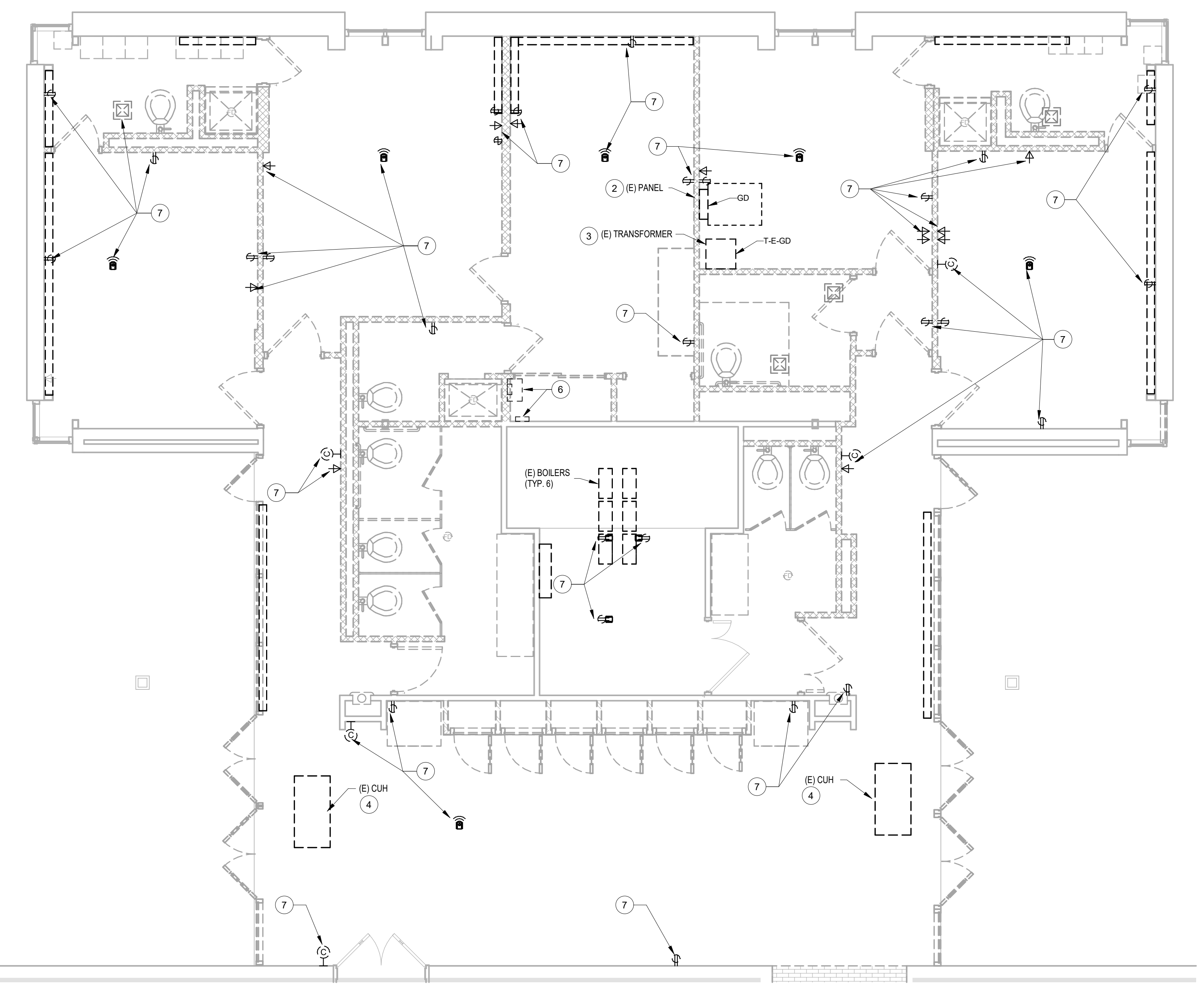
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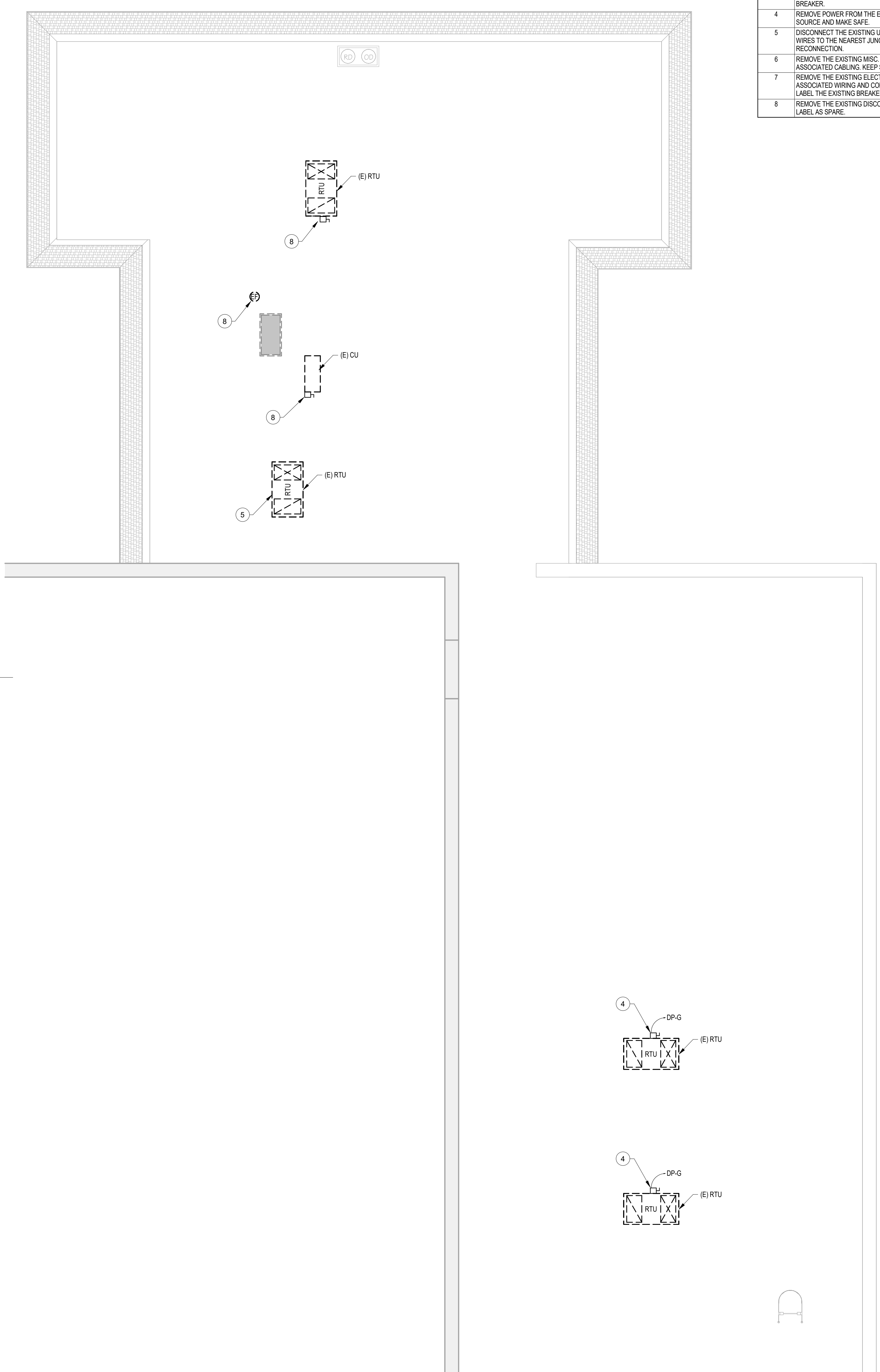
3"=1'-0"
1 1/2"=1'-0"
1"=1'-0"
3/4"=1'-0"
1/2"=1'-0"
1/4"=1'-0"
1/8"=1'-0"
1/16"=1'-0"



1 PARTIAL FLOOR PLAN - ELECTRICAL LIGHTING DEMOLITION AREA 'E'
1/4" = 1'-0"



2 PARTIAL FLOOR PLAN - ELECTRICAL POWER - DEMOLITION
1/4" = 1'-0"



3 PARTIAL ROOF PLAN - ELECTRICAL POWER DEMOLITION PLAN
3/16" = 1'-0"

ELECTRICAL DEMOLITION KEY NOTES	
Key Value	Keynote Text
1	REMOVE THE EXISTING LIGHTING FIXTURE, LIGHTING CONTROL DEVICE, AND ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE AND MAKE SAFE. LABEL THE EXISTING BREAKER AS SPARE.
2	REMOVE THE EXISTING ELECTRICAL PANEL AND ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE AND MAKE SAFE. LABEL THE EXISTING BREAKER AS SPARE.
3	RELOCATE THE EXISTING TRANSFORMER AND ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE AND MAKE SAFE. REUSE THE EXISTING BREAKER.
4	REMOVE POWER FROM THE EXISTING CABINET UNIT HEATER BACK TO THE SOURCE AND MAKE SAFE.
5	DISCONNECT THE EXISTING UNIT INTEGRAL DISCONNECT AND PULL BACK WIRES TO THE NEAREST JUNCTION BOX AND MAKE SAFE FOR RECONNECTION.
6	REMOVE THE EXISTING MISC. SERVERS AND NETWORK EQUIPMENT AND ASSOCIATED CABLING. KEEP SAFE FOR REINSTALLATION.
7	REMOVE THE EXISTING ELECTRICAL POWER/DATA/LOW VOLTAGE DEVICE AND ASSOCIATED WIRING AND CONDUIT BACK TO THE SOURCE AND MAKE SAFE. LABEL THE EXISTING BREAKER AS SPARE.
8	REMOVE THE EXISTING DISCONNECT AND FEEDER BACK TO THE PANEL AND LABEL AS SPARE.

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DRAWING TITLE:

ELECTRICAL DEMOLITION PARTIAL FLOOR PLAN

COMMISSION NUMBER: 25U012

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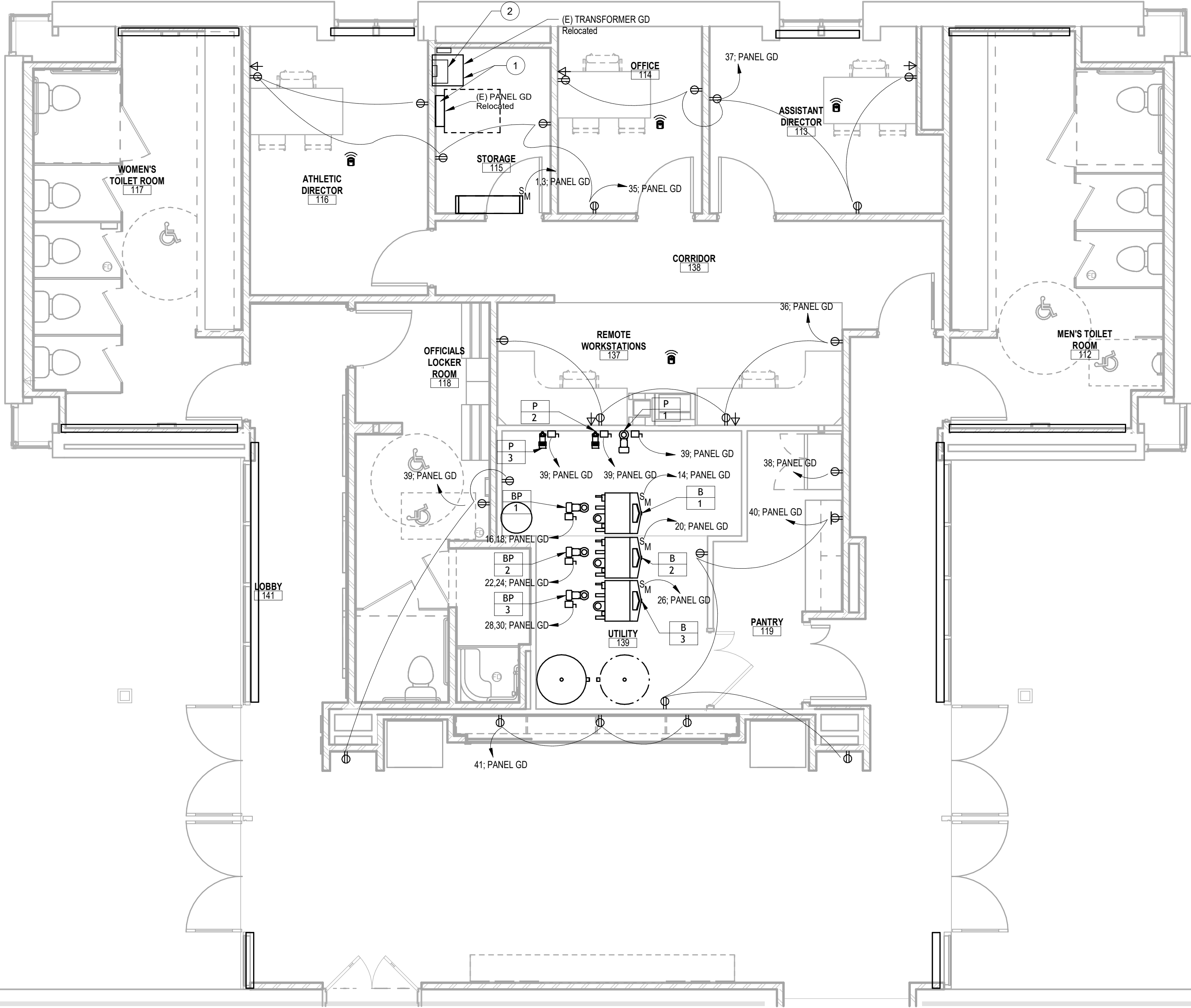
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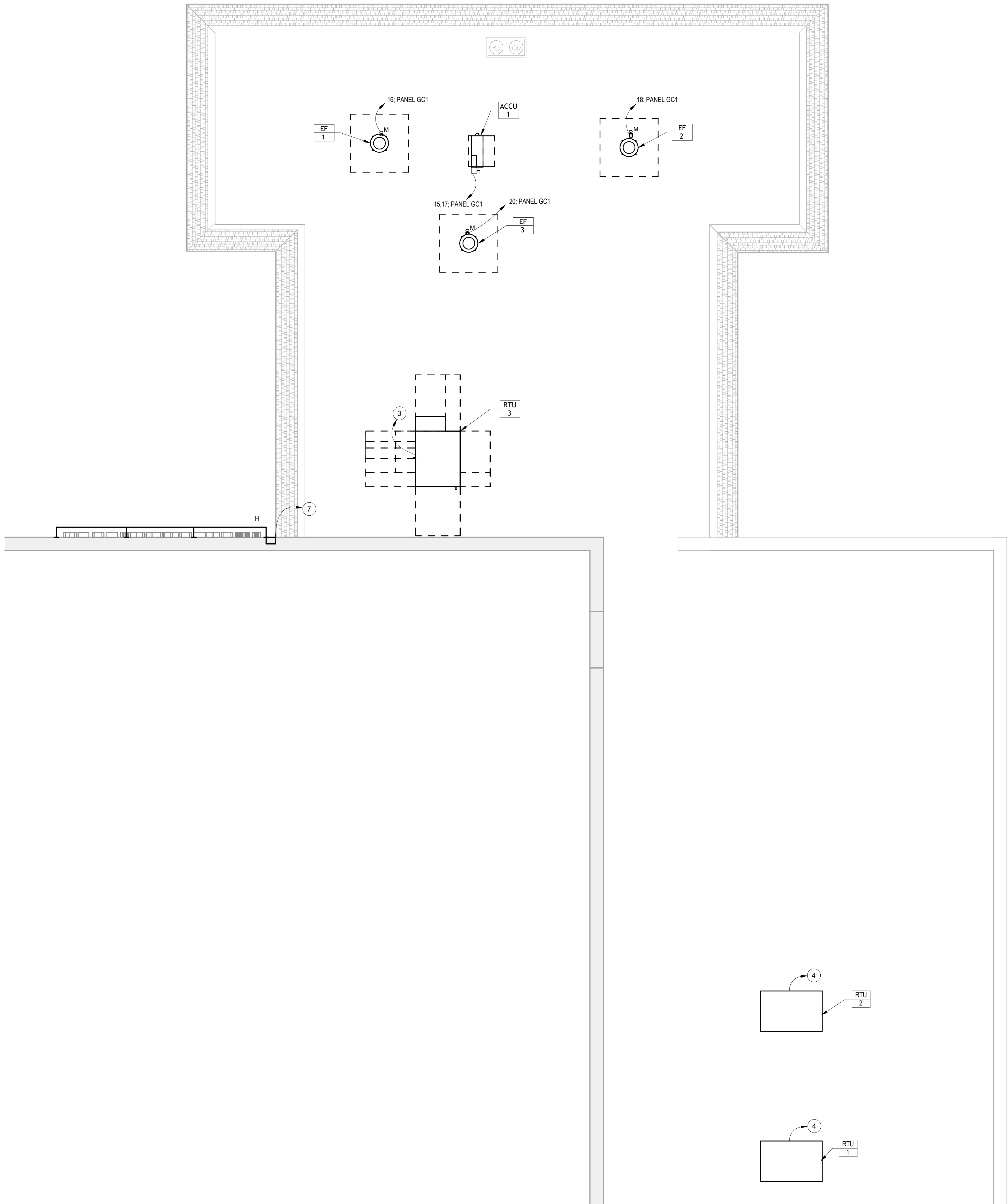
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1 PARTIAL FLOOR PLAN - ELECTRICAL LIGHTING NEW WORK AREA 'E'



2 PARTIAL FLOOR PLAN - ELECTRICAL POWER - NEW WORK



3 PARTIAL ROOF PLAN - ELECTRICAL POWER NEW WORK PLAN

ELECTRICAL NEW WORK KEY NOTES	
Key Value	Keynote Text
1	RELOCATE EXISTING PANEL AND ASSOCIATED TRANSFORMER TO THE LOCATION SHOWN. EXTEND EXISTING CIRCUITING AND FEEDERS AS NECESSARY. PRIMARY FEEDER FOR TRANSFORMER SHALL BE 4/0 AND 1/4" THIN IN 2" EMT.
2	INSTALL THE EXISTING MISC. SERVERS AND NETWORK CABLING AND EQUIPMENT IN LOCATION SHOWN. EXTEND EXISTING WIRING AS NECESSARY.
3	ROOF TOP UNIT SHALL BE POWERED FROM EXISTING SPACE MADE AVAILABLE DUE TO DEMOLITION. THE EXISTING BREAKER SHALL BE REPLACED WITH A 20A BREAKER, AND 3/4" AND 1/4" GND. SHALL BE RUN IN THE EXISTING CONDUIT.
4	ROOF TOP UNIT SHALL BE POWERED FROM EXISTING SPACE MADE AVAILABLE DUE TO DEMOLITION. THE EXISTING BREAKER SHALL BE REPLACED WITH A 20A BREAKER, AND 3/4" AND 1/4" GND. SHALL BE RUN IN THE EXISTING CONDUIT.
5	ALL LIGHT FIXTURES WITHIN THE DESIGNATED AREA SHALL BE FED BY A 20A BREAKER AT SPACE#2. PANEL GD. ALL LIGHT FIXTURES OUTSIDE OF THE DESIGNATED AREA SHALL BE FED FROM A 20A BREAKER AT 3A. PANEL GD. ALL SWITCHING AND LIGHTING CONTROL DEVICES SHALL BE RUN AS PART OF THE LOCAL LIGHTING CIRCUIT.
6	PROVIDE EXIT SIGN AT THE LOCATION SHOWN. POWER FOR THE EXIT SIGN SHALL BE EXTENDED FROM THE LOCAL LIGHTING CIRCUIT USING 2-#12 AND 1-#12 GND IN 1/2" CONDUIT AS REQUIRED.
7	PROVIDE POWER TO EXTERIOR LIGHT AT THE LOCATION SHOWN. WALL MOUNTED LIGHT FIXTURE SHALL BE MOUNTED UNDER THE BUILDING SIGN AND SHALL FACE UP WITH THE LIGHT BEAM DIRECTED AT THE BUILDING. POWER SHALL TIE INTO EXISTING LIGHTING CIRCUIT USING 2-#12 AND 1-#12 GND IN 3/4" CONDUIT.
8	CONTRACTOR SHALL PROVIDE LED LIGHT STRIP ON BOTTOM OF EACH SHELF. 5 TOTAL ALONG WITH DIMMABLE LIGHTING CONTROLLER. LIGHT FIXTURE SHALL CONNECT TO THE LOCAL LIGHTING CIRCUIT.

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DRAWING TITLE:

ELECTRICAL PARTIAL NEW WORK FLOOR PLAN

COMMISSION NUMBER:

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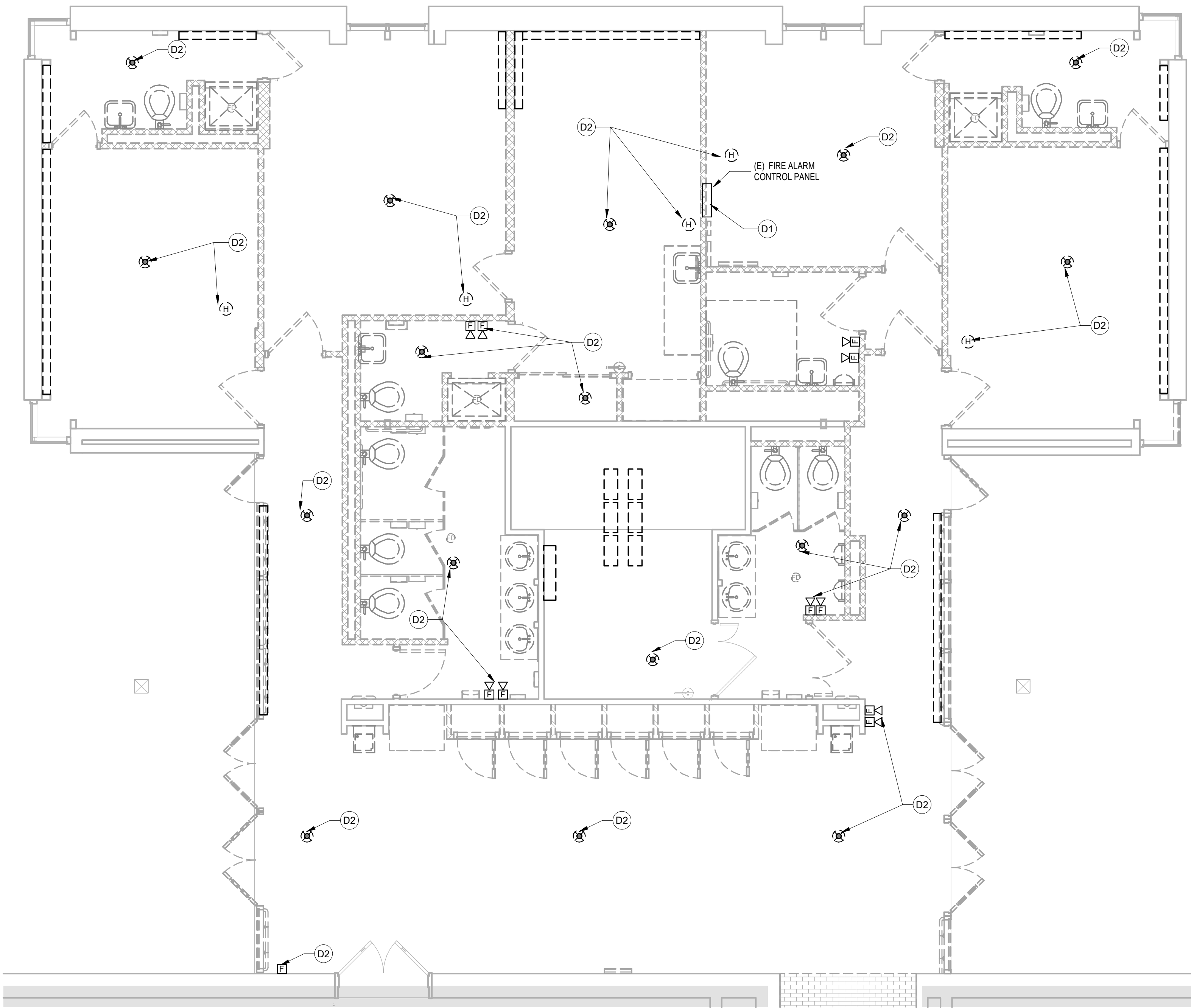
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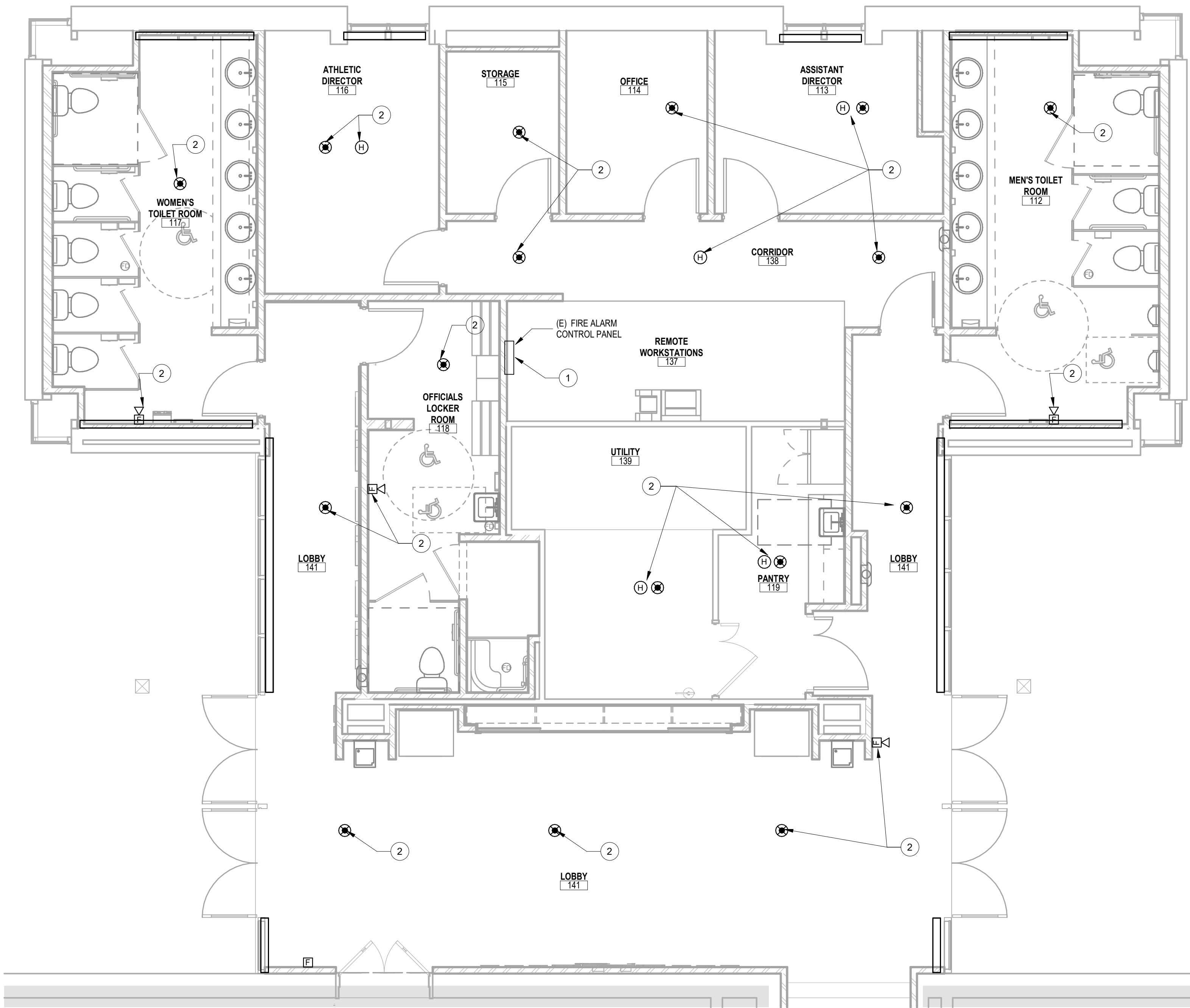
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FIRE ALARM DEMOLITION KEY NOTES	
Key Value	Keynote Text
D1	CONTRACTOR SHALL REMOVE THE EXISTING FIRE ALARM CONTROL PANEL AND SET ASIDE FOR RELOCATION. ALL EXISTING WIRING SHALL BE PROTECTED AND PREPARED FOR EXTENSION/RELOCATION.
D2	REMOVE THE EXISTING FIRE ALARM DEVICE AND ALL ASSOCIATED WIRE.

FIRE ALARM NEW WORK KEY NOTES	
Key Value	Keynote Text
1	RELOCATE THE EXISTING FIRE ALARM CONTROL PANEL TO THE LOCATION SHOWN. CONTRACTOR SHALL EXTEND ALL EXISTING WIRE CONNECTIONS AS REQUIRED TO REACH THE RELOCATED FACP. PROVIDE ALL TESTING REQUIRED BY AHJ.
2	PROVIDE FIRE ALARM DEVICE AT THE LOCATION SHOWN. CONNECT TO THE RELOCATED FIRE ALARM CONTROL PANEL.



1 PARTIAL FLOOR PLAN - FIRE ALARM - DEMOLITION
1/4" = 1'-0"



2 PARTIAL FLOOR PLAN - FIRE ALARM - NEW WORK
1/4" = 1'-0"

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DRAWING TITLE:

FIRE ALARM PARTIAL FLOOR PLANS - DEMOLITION AND NEW WORK

COMMISSION NUMBER:

25U012

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