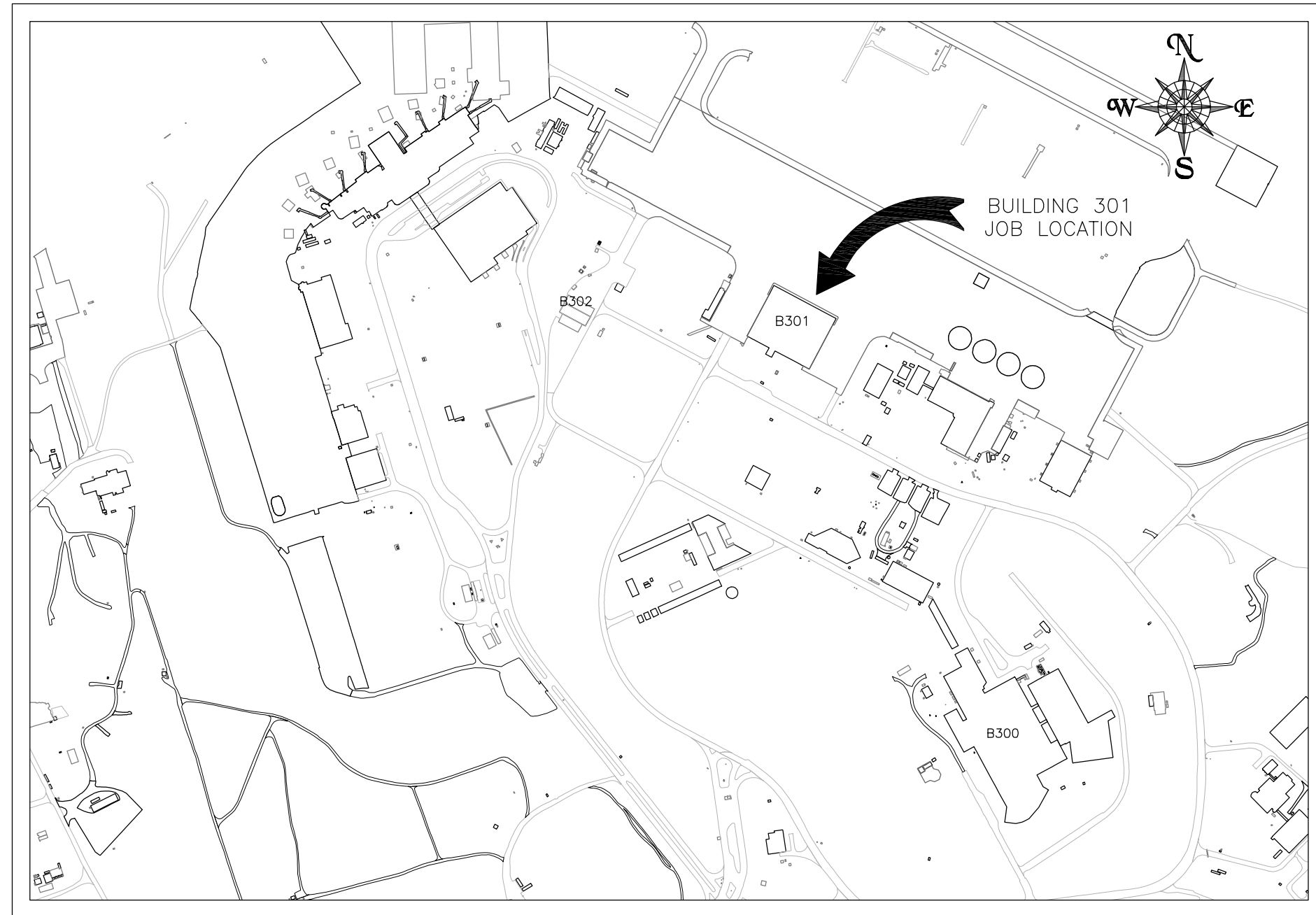


UNITED STATES DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

William J. Hughes Technical Center



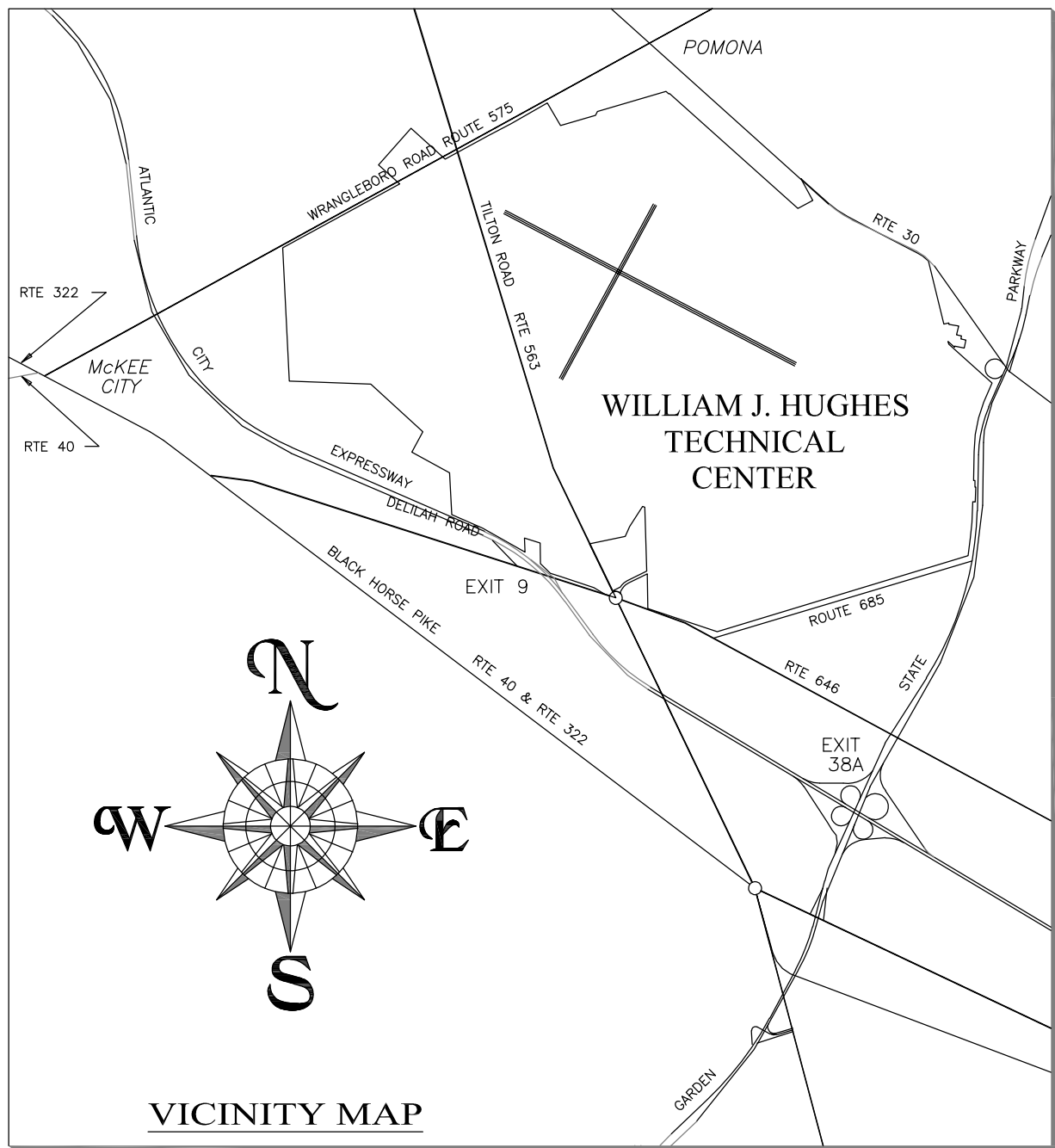
LOCATION PLAN
NOT TO SCALE



BUILDING 301

CAFETERIA RENOVATION

MULTIPURPOSE ROOM

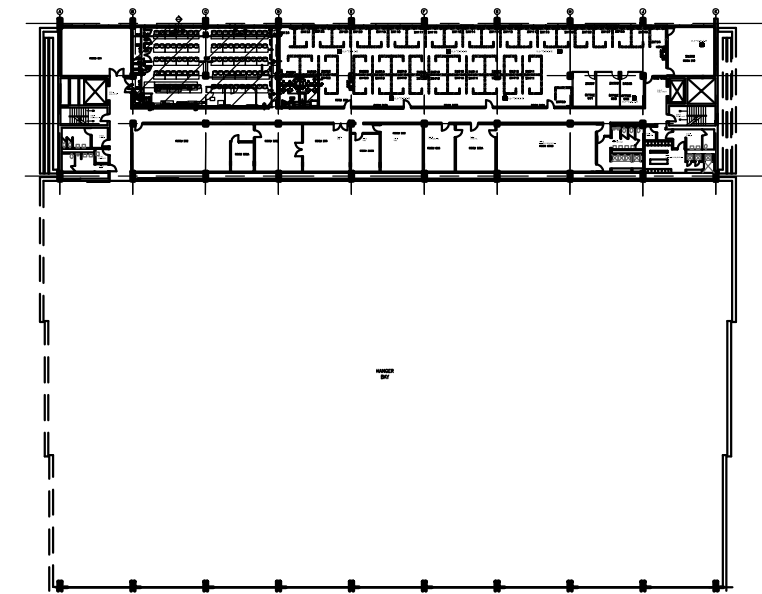


DIRECTIONS TO THE FAA TECHNICAL CENTER

FROM THE PHILADELPHIA AREA:
TAKE THE ATLANTIC CITY EXPRESSWAY EAST TO EXIT 9, THEN TAKE ROUTE 646 (DELIJAH ROAD) EAST TO THE FAA TRAFFIC CIRCLE

FROM THE WASHINGTON, D.C. AND BALTIMORE AREAS:
TAKE I-95 NORTH TO U.S. ROUTE 40, THEN TAKE U.S. ROUTE 40 EAST TO ROUTE 646 (DELIJAH ROAD), THEN TAKE ROUTE 646 EAST TO THE FAA TRAFFIC CIRCLE

FROM THE NEW YORK CITY AREA:
TAKE THE GARDEN STATE PARKWAY SOUTH TO EXIT 38A, THEN TAKE THE ATLANTIC CITY EXPRESSWAY WEST TO EXIT 9, THEN TAKE ROUTE 646 (DELIJAH ROAD) EAST TO THE FAA TRAFFIC CIRCLE



KEY PLAN
NOT TO SCALE

DRAWING LIST

PROJECT 2025-000009

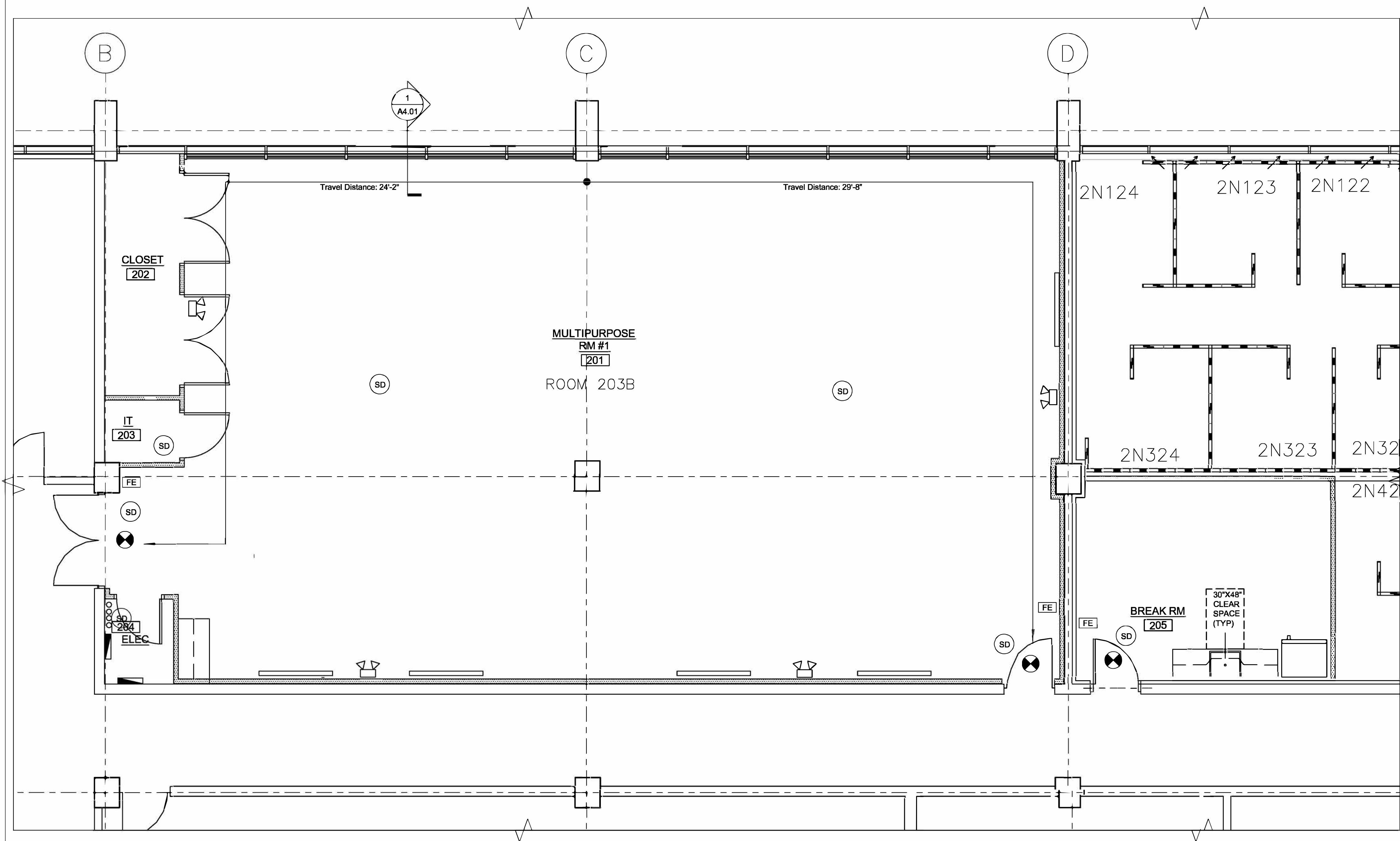
1	A-0.00	Cover Sheet
2	A-1.01	Life Safety Plan
3	A-1.02	Architectural Demolition Plan
4	A-2.02	Proposed Floor Plan and Wall Types
5	A-2.03	Proposed Reflected Ceiling Plan
6	A-4.01	Section
7	A-7.01	Schedules, Details and Elevations
8	A-7.02	Details and Elevations
9	P-1.01	First and Second Floor Plumbing plans
10	P-1.02	Second Floor Plumbing Plan and Sanitary Line Demolition Detail
11	P-9.01	Supply Line Demolition Detail & Sanitary line Demo Detail
12	M-001	Mechanical Demolition
13	M-002	Hot Water Demo
14	M-101	Mechanica Plan
15	M-102	Hot Water Plan
16	M-9.01	Mechanical Schedule & Details
17	M-9.02	Mechanical Additional Details
18	E-1.01	Electrical 2nd Floor Demolition Plan
19	E-1.02	Electrical Floor Plan 2nd Floor (Proposed)
20	E-1.03	Reflected Celng Plan 2nd Floor (Existing Demolition)
21	E-1.04	Reflected Celng Plan (Proposed)
22	E-1.05	Power Layout 2nd Floor plan (New)
23	E-1.06	Electrical Schedule and Details
24	E-1.07	Lighting Controls
25	E-3.01	Communications Layout
26	F-1.01	Demolition Fire Protection Plan
27	F-1.02	Proposed Fire Protection Plan

FOR OFFICIAL USE ONLY

REV	DATE	DESCRIPTION			CHECK APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
301					
B301 CAFETERIA RENOVATION MULTIPURPOSE ROOM					
COVER SHEET					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
					DATE
		OMAR MERCED			
		DESIGN: DELGADO A.	ISSUED BY:	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)		DRAWN: DELGADO A.	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-A0.00	SHEET # 1 OF 27
		CHECK:			

CODE ANALYSIS

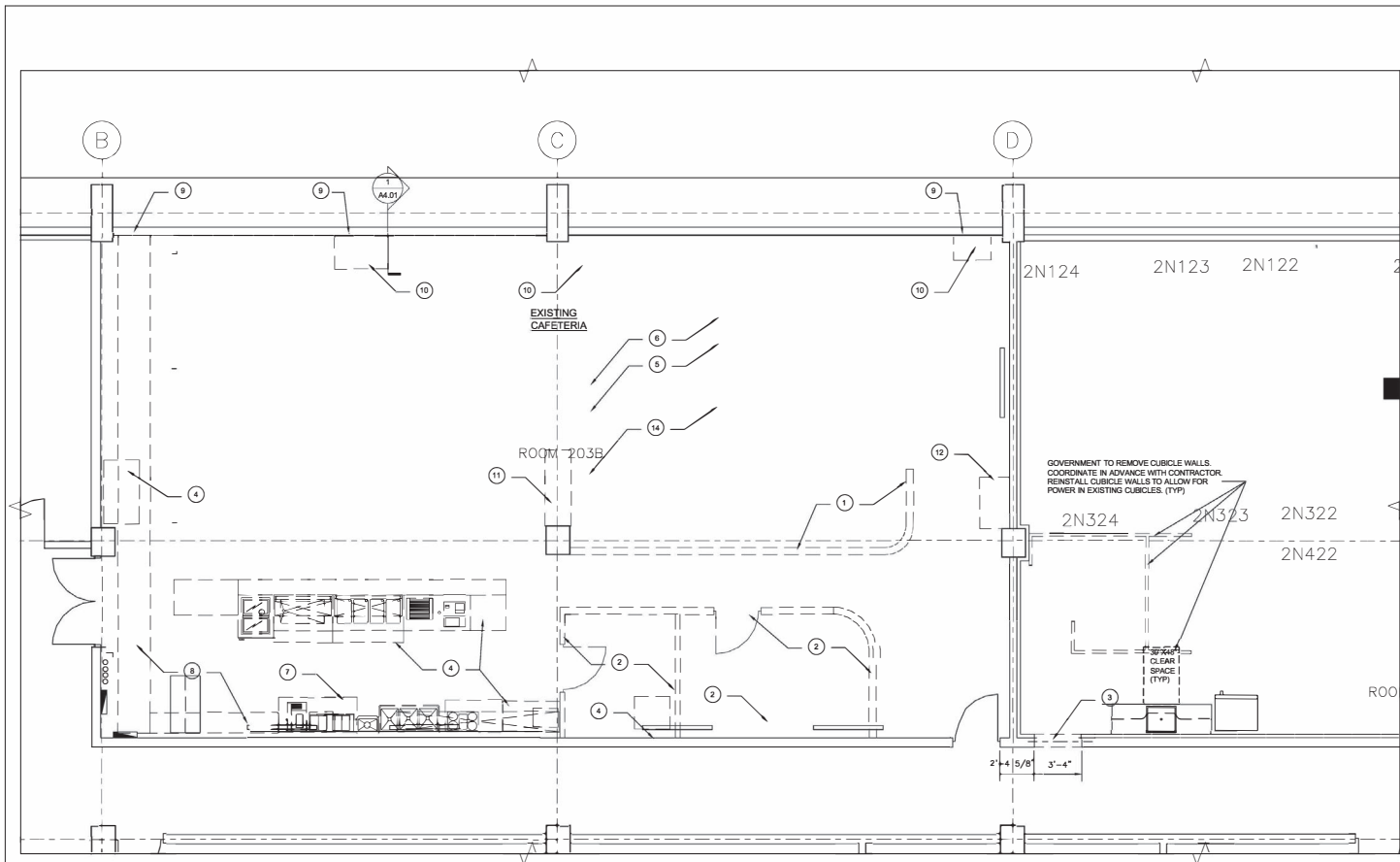
IBC, NEW JERSEY EDITION	2021
REHABILITATION SUBCODE	2023
NATIONAL STANDARD PLUMBING CODE, NJ EDITION	2021
NATIONAL ELECTRIC CODE	2020
INTERNATIONAL MECHANICAL CODE	2021
INTERNATIONAL ENERGY CONSERVATION CODE	2021
NFPA 70	2020
ICC A117.1	2017



LEGEND	
	NEW FIRE EXTINGUISHER AND CABINET
	NEW EXIT SIGN w/BATTERY PACK BACKLIT
	NEW EMERGENCY LIGHT w/BATTERY PACK
	NEW SMOKE DETECTORS

1 LIFE SAFETY PLAN
1/4" = 1'-0"

REV	DATE	DESCRIPTION			CHECK APR'VD
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					310
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
LIFE SAFETY PLAN					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: DELGADO	ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)		DRAWN: DELGADO		DRAWING NO. 2025009-A1.01	SHEET # 2 OF 27
		CHECK:			



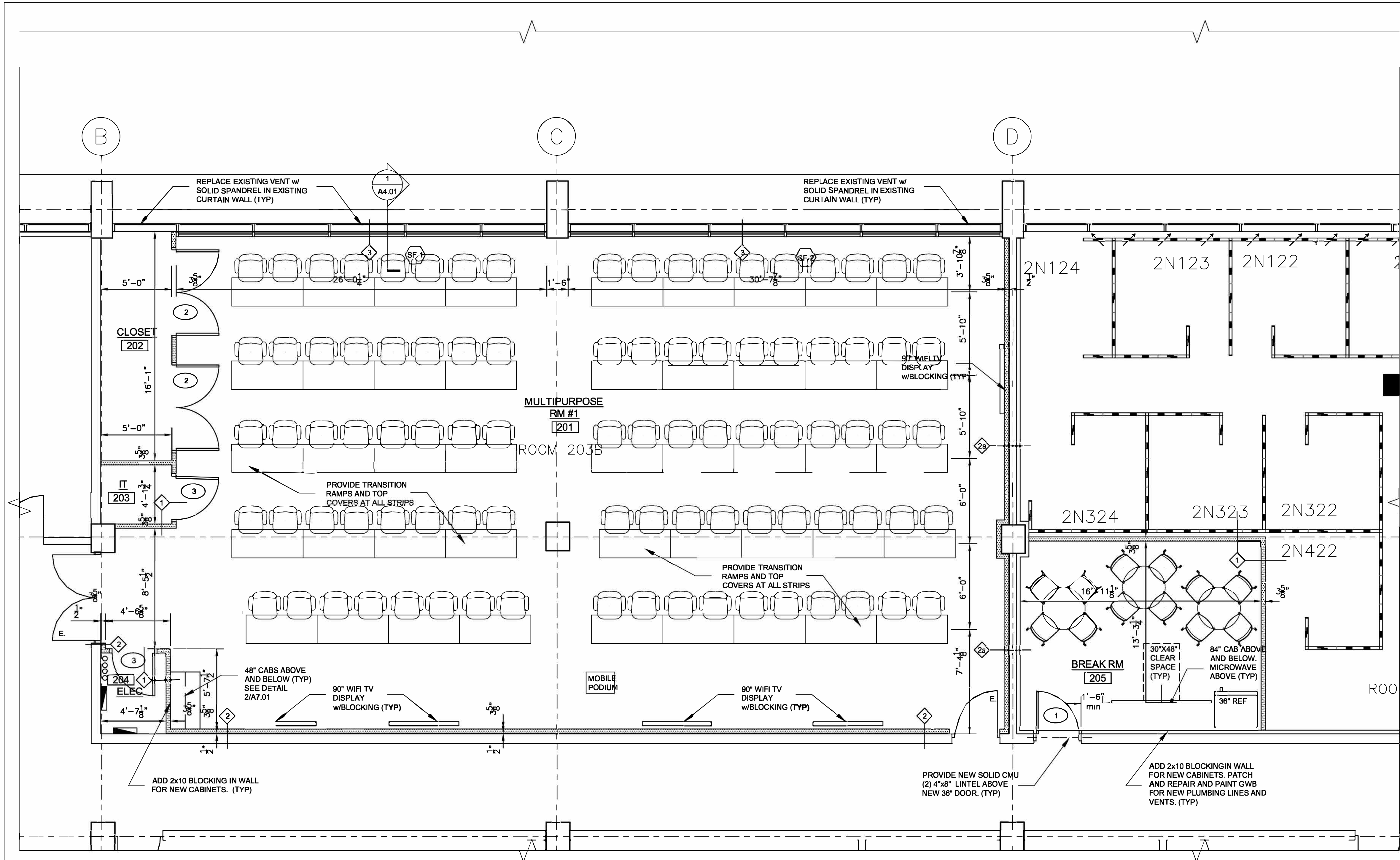
1 DEMOLITION FLOOR PLAN
1/4" = 1'-0"

DEMOLITION NOTES

1. REMOVE HALF WALL AND RELATED BASE BOARDS
2. REMOVE WALLS, DOOR, GLASS AND ALL RELATED BASE BOARDS
3. REMOVE CMU AND STUD WALL, CMU OPENING TO ALLOW FOR A 3'-0"x8'-0" DOOR TO BE INSTALLED. R.O. 3'-4"x7'-2"
4. REMOVE ALL KITCHEN EQUIPMENT INCLUDING PLUMBING, GAS AND ELECTRIC LINES
5. REMOVE EXISTING 24"x48" FLUORESCENT LIGHT FIXTURES. CONTRACTOR TO PROVIDE TEMP LIGHTING
6. REMOVE EXISTING 12"x12" VCT FLOOR TILES AND SCRAPE REMOVE GLUE
7. REMOVE HOOD AND ANSUL SYSTEM AND ALL ELECTRICAL AND FIRE HOOD UPS
8. REMOVE HOOD DUCT WORK
9. REMOVE CURTAIN WALL SPANDREL PANELS WITH VENTS AND REPLACE WITH SOLID SPANDREL PANELS. COLOR TO MATCH EXISTING
10. REMOVE DUCT PENETRATING CEILING AND SPANDREL PANEL
11. REMOVE 64"x22"x48" TRASH DISPENSER
12. REMOVE 45 1/2" x22"x36" BASE CABINET
13. CUT EXISTING RADIATOR LINES AND COVER AT EXISTING EXTERIOR WALL TO BE REINSTALLED AT NEW WALL PER MECH DWGS
14. REMOVE AND REPLACE ALL 24"x24" CEILING TILES AND ALL CEILING GRID
15. PATCH AND FILL ALL FLOOR PENETRATIONS WITH 3000 PSI CONCRETE AND LEVEL WITH EXISTING FLOOR LEVELS
16. PROVIDE PORTABLE FIRE EXTINGUISHERS IN AREA OF DEMOLITION/CONSTRUCTION PER NFPA 10. REFER TO CODE ANALYSIS DRAWING

NOTE:
SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS
FOR DEMOLITION PLANS OF THESE DISCIPLINES

REV	DATE	DESCRIPTION	CHECK	APPROV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
B301 CAFETERIA RENOVATION MULTIPURPOSE RM				310
ARCHITECTURAL DEMOLITION FLOOR PLAN				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
MERCED O	DESIGN: DELGADO	DATE: 04/02/2025 (JCN)	(Typed Name of ANG-E Supervisor)	
APPROVAL (ENHANCED)	DRWING: DELGADO	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-A1.02	SHEET # 3 OF 27
CHECK:				

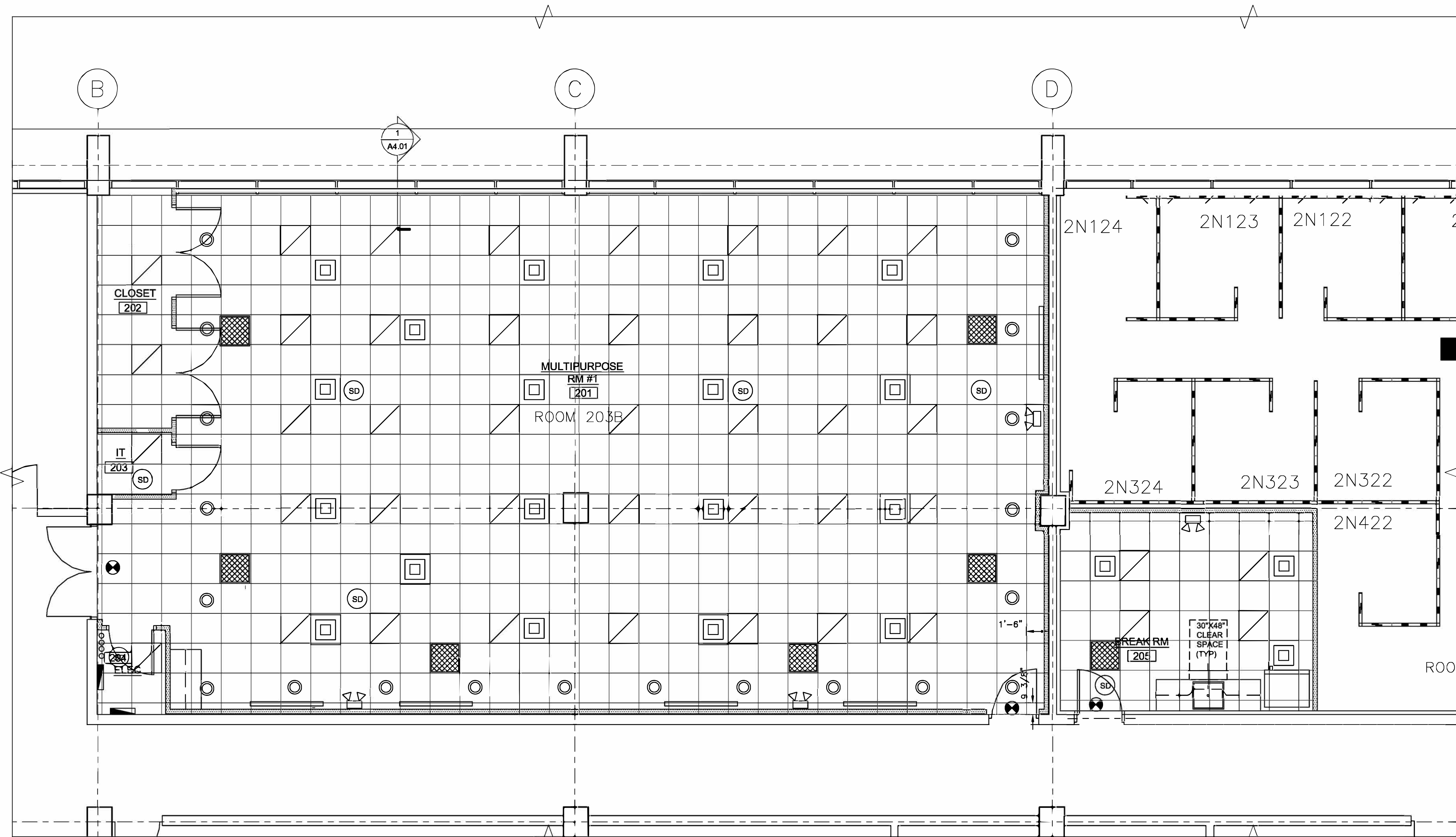


1 PROPOSED FLOOR PLAN
1/4" = 1'-0"

WALL TYPES LEGEND		
WALL TYPE 1	WALL TYPE 2	WALL TYPE 3

- ARCHITECTURAL NOTES:**
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL BUILDING CODES.
 - CONTRACTOR TO REPLACE ANY CONSTRUCTION IMPACTED OR DAMAGED. FIREPROOFING SCHEDULED TO REMAIN. REFER TO CODE SUMMARY FOR FIRE RATINGS FOR ELEMENTS
 - CONTRACTOR SHALL INCLUDE SCOPE AND COORDINATE WITH GENERAL, STRUCTURAL AND M/E/P/FP DOCUMENTS PRIOR TO BID AND BEFORE ANY DEMOLITION. ADDITIONAL SCOPE OF GENERAL CONTRACTOR IS IDENTIFIED IN THESE DRAWINGS SUCH AS REMOVAL OF CERTAIN DECOMMISSIONED SYSTEMS AND ELEMENTS (TYP).
 - CONTRACTOR SHALL CONFORM TO DIVISION 1 GENERAL REQUIREMENTS AND COVENANTS AND DIVISION 2 SPECIAL PROVISIONS OF THE CONTRACT DOCUMENTS
 - CONTRACTOR, IN COORDINATION WITH GOVERNMENT COR, SHALL VERIFY THAT EXIT IS MAINTAINED FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT THE PROJECT. A NO TIME SHALL ANY EXISTS BE BLOCKED OR IMPEDED UPON, ALL MOBILIZATION AND PHASING PLANS SHALL IDENTIFY ANY TEMPORARY MODIFICATION TO THE EXISTING EGRESS SYSTEM AND OBTAIN APPROVAL FROM CODE OFFICIAL PRIOR TO ANY WORK. CONTRACTOR TO PROVIDE TEMPORARY SIGNAGE TO IDENTIFY LOCATIONS OF EXISTS, RELOCATED EQUIPMENT OR TO IDENTIFY ANY EQUIPMENT OR VERTICAL CIRCULATION OF ELEMENT OUT OF SERVICE AND TO REDIRECT TO NEAREST AVAILABLE ELEMENT. REFER TO CODE ANALYSIS, EGRESS AND SIGNAGE DRAWINGS. MAINTAIN SIGNAGE OF AND CLEAR AND SAFE PASSAGE TO ALL LIFE SAFETY FEATURES SUCH AS BUT NOT LIMITED TO: FIRE ALARM STATIONS OR PANELS, DEFIBRILLATORS, FIRE HOSE CABINETS OR ANY OTHER LIFE SAFETY FEATURE. MAINTAIN ACCESS TO ALL EXISTING ELECTRICAL AND DATA CLOSETS.
 - CONTRACTORS SHALL FURNISH COVERED CONTAINERS FOR DEBRIS REMOVAL. REMOVAL CONTAINER TO REMAIN COVERED AT ALL TIMES. ANY ON AIRPORT DEBRIS CONTAINERS AND LOCATIONS THEREOF WILL BE APPROVED BY AUTHORITY. ANY DOOR SERVING A TRASH CHUTE IS REQUIRED TO BE FIRE RATED. CONFIGURATION OF TRASH CHUTES NEED TO BE APPROVED THEY THE AUTHORITY. REMOVAL OF ANY DEBRIS OR COMBUSTIBLES IS TO OCCUR BY THE END OF EACH SHIFT. CONTAINERS SHALL NOT BLOCK ACCESS OR VISIBILITY OF ANY FIRE OR LIFE SAFETY ELEMENT. REFER TO HAZARDOUS MATERIAL SPECIFICATIONS AND FINISH FLOOR DEMOLITION DRAWINGS.
 - REFER TO HAZARDOUS MATERIALS AND SUSTAINABILITY GUIDELINES SPECIFICATION PRIOR TO DEMOLITION.
 - PROVIDE TEMPORARY 42" OSHA COMPLIANT GUARDS SURROUNDING ANY FLOOR OPENINGS PRIOR TO INFILL. PROVIDE OSHA REQUIRED FALL PROTECTION FOR WORK OF ALL TRADES ON ALL LEVELS AND ROOF.
 - ALL PLYWOOD SHALL BE FIRE RETARDANT AND EXTERIOR PLYWOOD SHALL BE PRESSURE TREATED.
 - PROVIDE PORTABLE FIRE EXTINGUISHERS IN AREA OF DEMOLITION/CONSTRUCTION PER NFPA 10. REFER TO CODE ANALYSIS DRAWING.
 - FOR EXTENT OF CUTTING/PATCHING/INFILLING OF FLOOR SLABS REFER TO STRUCTURAL AND M/E/P/FP DRAWINGS AND CORING NOTES ON THESE SHEETS. PATCH ALL FLOOR OPENINGS FOR ALL FIXTURES, PIPING OR WIRING SYSTEMS TO BE REMOVED. IF EXISTING PIPING OR CONDUIT WORK (OTHER THAN THE DESIRED CONNECTION) IS ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE AUTHORITY BEFORE CONTINUING. IDENTIFY AND PROTECT ALL RAIN LEADERS TO REMAIN PRIOR TO ANY DEMOLITION.
 - PATCH AN FILL ANY EXISTING CRACK OR HOLE IN EXISTING SLAB. ANY DEMOLISHED FLOOR MUST NOT HAVE ANY TRIPPING HAZARDS. ANCHOR TEMPORARY 1/2" PLYWOOD WITH BEVELED EDGES OVER ANY EXPOSED EXPANSION JOINT OR AREA TO BE PATCHED TYP.
 - THE CONTRACTOR SHALL VISUALLY INSPECT THE PROJECT SITE AND NOTIFY THE AUTHORITY IMMEDIATELY IF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
 - THE WALLS NOTED TO BE REMOVED ARE A COMBINATION OF GWB PARTITIONS AND CMU WALLS.
 - THE INTENT OF THE ARCHITECTURAL DRAWINGS ARE TO IDENTIFY THE LOCATION OF WALLS AND FINISHES TO BE REMOVED. REFER TO GENERAL, M/E/P/FP DRAWINGS FOR ADDITIONAL SCOPE.
 - DO NOT SCALE DRAWINGS, ALL DIMENSIONS REFERENCED ON DRAWINGS ARE TO VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE AUTHORITY WITH ANY DIFFERENCES AND OBTAINING CLARIFICATION FROM THE AUTHORITY AND ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. IT IS EXPECTED THAT THE CONTRACTOR SURVEY ALL EXISTING AREAS AND IMPLEMENT ANY ADJUSTMENTS TO THEIR WORK PLANS SO TO NOT CAUSE DELAY TO THE PROJECT.
 - THE CONTRACTOR SHALL BRACE ALL EXISTING STRUCTURES OF STRUCTURAL OR NONSTRUCTURAL ELEMENTS AS NECESSARY DURING DEMOLITION AND CONSTRUCTION.
 - THE EXISTING BUILDING ENVELOPE SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AT ALL TIMES.
 - PROVIDE PROTECTION FOR EXISTING ADJACENT MATERIALS DURING DEMOLITION AND CONSTRUCTION TYPICAL.
 - CONTRACTOR SHALL REPAIR, PATCH AND MATCH EXISTING FINISH OF ANY DAMAGE OCCURRING DURING DEMOLITION OR CONSTRUCTION TO EXISTING ADJACENT FLOORS, WALLS, CEILINGS, LIGHTING, FIRE PROTECTION EQUIPMENT ETC.
 - CONTRACTOR TO PROVIDE DUST CONTROL FOR ADJACENT SPACES UNTIL THEY ARE RELOCATED TO THEIR NEW LOCATION.
 - PRIOR TO GENERAL CONTRACTOR REMOVING ANY FIXTURE OF ELEMENT IDENTIFIED IN THE M/E/P/FP/FA AND FORMAL COMMUNICATION MUST BE GIVEN BY THE SUBCONTRACTOR STATING THAT THE FIXTURE OR ELEMENT IS NOT ELECTRIFIED AND SAFE TO BE REMOVED.
 - GC TO COORDINATE ALL ARCHITECTURAL DEMOLITION AND NEW CONSTRUCTION WITH ALL DISCIPLINES. NOTIFY GOVERNMENT COR OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.

REV	DATE	DESCRIPTION	CHECK	APRVD
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
B301 CAFETERIA RENOVATION MULTIPURPOSE RM				310
PROPOSED FLOOR PLAN AND WALL TYPES				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	MERCED O		(Typed Name of ANG-E Supervisor)	
	DESIGN: DELGADO	ISSUED BY:	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)	DRAWN: DELGADO	CENTER OPERATIONS	DRAWING NO.	SHEET
	CHECK:	DIVISION	2025009-A2.02	4 OF 27
		ANG-E3		

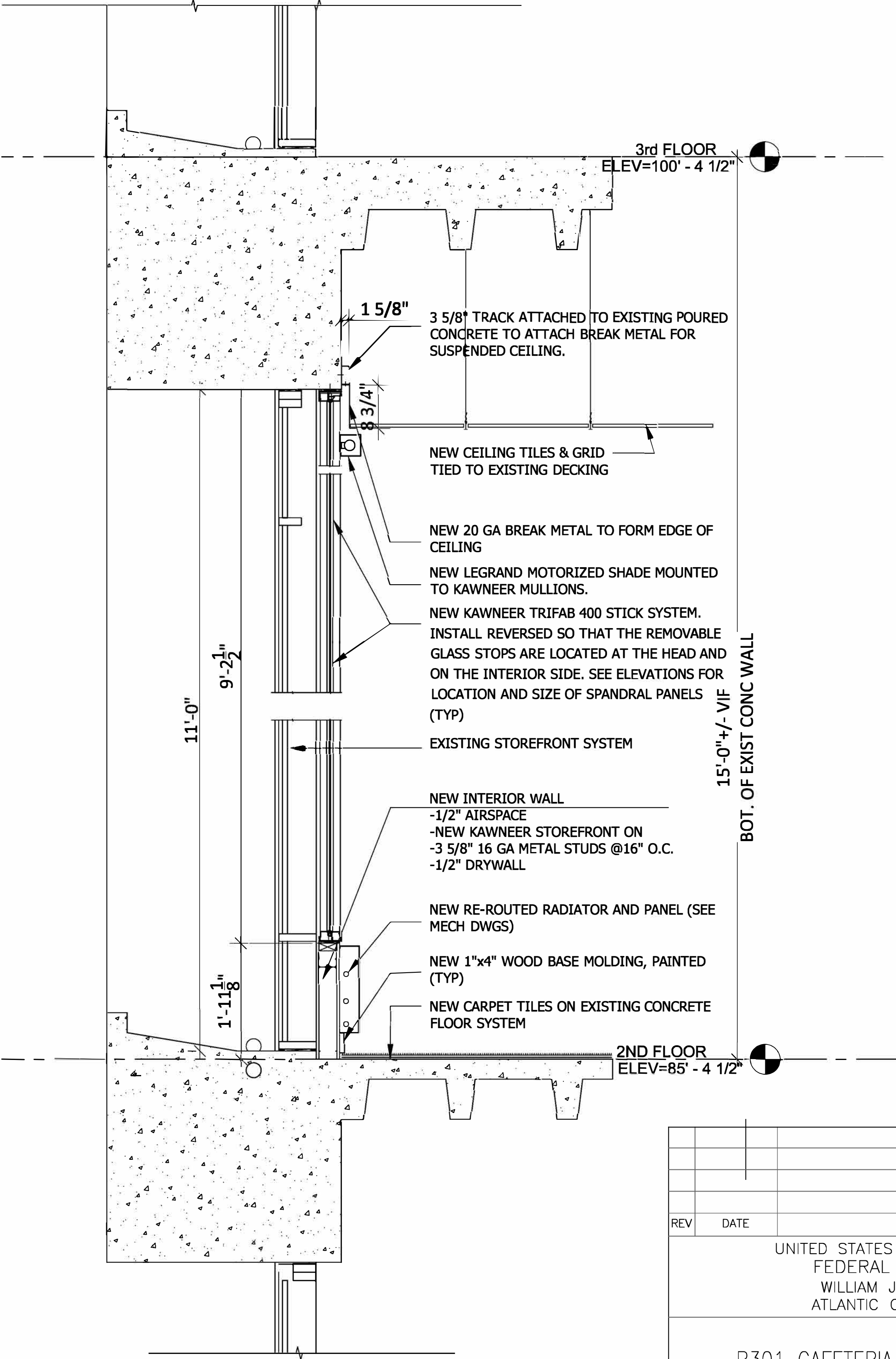


LEGEND	
	24"x24" LED CEILING LIGHT FIXTURE
	NEW 24"x24" SUPPLY AIR VENT GRILLE
	NEW LED ACCENT FIXTURE
	NEW 24"x24" GRILLE
	NEW EXIT SIGN w/BATTERY PACK BACKLIT
	NEW EMERGENCY LIGHT w/BATTERY PACK
	NEW SMOKE DETECTORS

NOTE:
1. REPLACE ALL 24"x24" CEILING TILES- ARMSTRONG MODEL #1732.
2. REPAIR ANY DAMAGED CEILING TILE GRID.
3. RELOCATE ANY EXISTING DIFFUSERS IN EXISTING OFFICE AREA AND REPAIR CEILING GRID AND TILES AS REQUIRED. SEE MECHANICAL DRAWINGS FOR LAYOUT

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

REV	DATE	DESCRIPTION	CHECK	APR'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
B301 CAFETERIA RENOVATION MULTIPURPOSE RM				310
PROPOSED REFLECTED CEILING PLAN				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	MERCED O		(Typed Name of ANG-E Supervisor)	
	DESIGN: DELGADO	ISSUED BY:	DATE: 01/30/2026 JCN:	
APPROVAL (FINISHES)	DRAWN: DELGADO	CENTER OPERATIONS DIVISION	DRAWING NO.	SHEET #
	CHECK:	ANG-E3	2025009-A2.03	5 OF 27



1 WALL SECTION @ CURTAIN WINDOW
3/4" = 1'-0"

REV	DATE	DESCRIPTION						CHECK	APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405									
310									
B301 CAFETERIA RENOVATION MULTIPURPOSE RM									
SECTIONS AND DETAILS									
REVIEWED BY		SUBMITTED BY			DATE	APPROVED BY		DATE	
		MERCED O				(typed Name of ANG-E Supervisor)			
		DESIGN: DELGADO		ISSUED BY: CENTER OPERATIONS DIVISION		DATE: 01/30/2026		JCN:	
APPROVAL (FINISHES)		DRAWN: DELGADO		ANG-E-3		DRAWING NO.		SHEET #	
		CHECK:				2025009-A4.01		6 OF 27	

ARCHITECTURAL SPECIFICATIONS

1. SOUND ATTENUATION INSULATION: PROVIDE QUIET ZONE SOUND ATTENUATION BATT INSULATION 3 1/2" THK
2. STEEL DOOR FRAME: PROVIDE KNOCK-DOWN FIELD ASSEMBLED OR WELDED TYPE, MINIMUM 16 GAGE,
3. PHOSPHATE TREATED AND FACTORY PRIMED, CONFORMING TO LEVEL 2 OF SDI A2550.8. PROVIDE THREE, RUST PROTECTED, MINIMUM 18 GAGE WELDED STEEL ANCHORS PER JAMB AND ONE FLOOR ANCHOR AT THE BOTTOM OF JAMB.
4. INTERIOR FLUSH DOOR: PROVIDE FLUSH SOLID CORE DOOR WITH STAIN GRADE OAK FACE VENEERS. PROVIDE 7'-0" HIGH BY 3'-0" WIDE DOOR, 1-3/4" THICK.
5. DOOR HARDWARE: FOR NEW DOOR PROVIDE THE FOLLOWING HARDWARE:
(1) HINGES: THREE (3) 4-1/2" X 4-1/2" FULL MORTISE BALL BEARING SATIN CHROMIUM FINISH HINGES, (BB1279US26D AS MANUFACTURED BY HAGER COMPANIES OR EQUAL.)
(2) LOCKSET: 7 PIN TUMBLER ONE CYLINDRICAL LOCKSET, COORDINATE WITH GOVERNMENT FOR KEYING THE CORE, AS MANUFACTURED BY BEST ACCESS SYSTEMS (NO SUBSTITUTIONS).
(3) WALL BUMPER OR DOOR STOP
(4) SILENCERS
6. METAL SUPPORT ASSEMBLIES (WALL FRAMING): PROVIDE MINIMUM 25 GAGE FRAMING,
- A. PAINTS/COATINGS: INTERIOR SURFACES MUST BE PAINTED/COATED AS FOLLOWS:
(1) NEW STEEL DOOR FRAMES:
PRIMER - MAB RUST-O-LASTIC HYDRO PRIME II (DTM) (073) OR EQUAL (3.0-3.5 MILS DFT)
(USE TO TOUCH UP SHOP-PRIMED SURFACES)
INTERMEDIATE COAT - SHERMIN WILLIAMS INTERIOR LATEX SEMI-GLOSS (7365) OR EQUAL (1.5 MILS DFT) (COLOR: MATCH COLOR OF EXISTING STEEL DOOR FRAMES)
TOPCOAT - SAME AS INTERMEDIATE COAT.
(2) EXISTING STEEL DOORS AND FRAMES:
SAME AS NEW STEEL DOOR FRAMES.
(3) EXISTING HEATER COVERS: SAME AS NEW STEEL DOOR FRAMES, EXCEPT COLOR MUST MATCH WALL PAINT
(4) NEW GYPSUM BOARD:
(2) COATS OF PRIMER CONSITING OF HIGHIBUILD, LOW VOC INTERIOR LATEX. SUCH MUST BE FOLLOWED BY (2) COATS OF LATEX IN BENJAMN MOORE - WHITE DOWN #0C131
(5) EXISTING GYPSUM BOARD:
SAME AS NEW GYPSUM BOARD WITHOUT PRIMER (2) COATS.

B. WHERE REMOVALS LEAVE HOLES AND DAMAGED SURFACES EXPOSED IN THE FINISHED WORK, PATCH AND REPAIR THESE HOLES AND DAMAGED SURFACES TO MATCH ADJACENT FINISHED SURFACES. WHERE NEW WORK IS TO BE APPLIED TO EXISTING SURFACES, PERFORM REMOVALS AND PATCHING IN A MANNER TO PRODUCE SURFACES SUITABLE FOR RECEIVING THE NEW WORK. FINISHED SURFACES OF PATCHED AREAS MUST BE FLUSH WITH THE ADJACENT EXISTING SURFACE AND MUST MATCH THE EXISTING ADJACENT SURFACE AS CLOSELY AS POSSIBLE AS TO TEXTURE AND FINISH. PURCHASE AND REPLACE ANY CARPET TILES THAT BECOME DAMAGED DUE TO CONSTRUCTION ACTIVITY. GOVERNMENT WILL PROVIDE REPLACE CARPET TILES FOR CONTRACTOR INSTALLATION.

NEW VERTICAL BLINDS

FURNISH AND INSTALL COMPLETE NEW OPERABLE MOTORIZED BLINDS ALONG THE NORTH WINDOW WALL ON THE 2ND FLOOR OF BUILDING 301. AT THE NEW RENOVATED AREA. EACH INDIVIDUAL BLIND SHALL EXTEND IN WIDTH FROM COLUMN TO MULLION OR MULLION TO MULLION AS APPLICABLE (6 TOTAL BLINDS REQUIRED). EACH BLIND SHALL EXTEND IN HEIGHT FROM THE EXISTING OVERHEAD BLIND POCKET TO THE TOPS OF THE EXISTING HEATER CABINETS (APPROXIMATELY 8'-8"). ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.

BLINDS SHALL BE AS FOLLOWS ON THE 2ND FLOOR OF BUILDING 301 AT THE AREA RENOVATED:

MANUFACTURER: LEGRAND SHADING SYSTEMS, SPEC SERIES FASCIA SHADE SYSTEM.
FABRIC: BLACK OUT SHADES, OVAL WRAPPED HEMBAR.
DIRECTIONAL CONTROL: RIGHT SIDE.
TRAVERSING CONTROL: MOTORIZED CONTROL.
DRAW: CENTER.
MOUNTING: EXISTING CEILING TO WINDOW FRAME. OUTSIDE MOUNT
HEMBAR, BRACKET AND COVER FINISHES: ANODIZED SILVER
FIRE TEST RESPONSE: PASS PER NFPA 701.
EXTRA MATERIAL: FURNISH QUANTITY OF EQUAL TO 5% OF THE AMOUNT OF EACH SIZE INSTALLED.

EXAMINE SUBSTRATES AND AREAS AND CORRECT AS NECESSARY FOR PROPER INSTALLATION
TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE BLINDS. INSTALL BLINDS LEVEL AND PLUMB AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. CLEAN AND ADJUST BLINDS FOR PROPER OPERATION. REMOVE ALL SURPLUS MATERIALS, PACKAGING, RUBBISH AND DEBRIS FROM THE WORKSITE AND LEAVE INSTALLATION AREAS NEAT, CLEAN AND READY FOR USE.

NEW FLOOR FINISHES

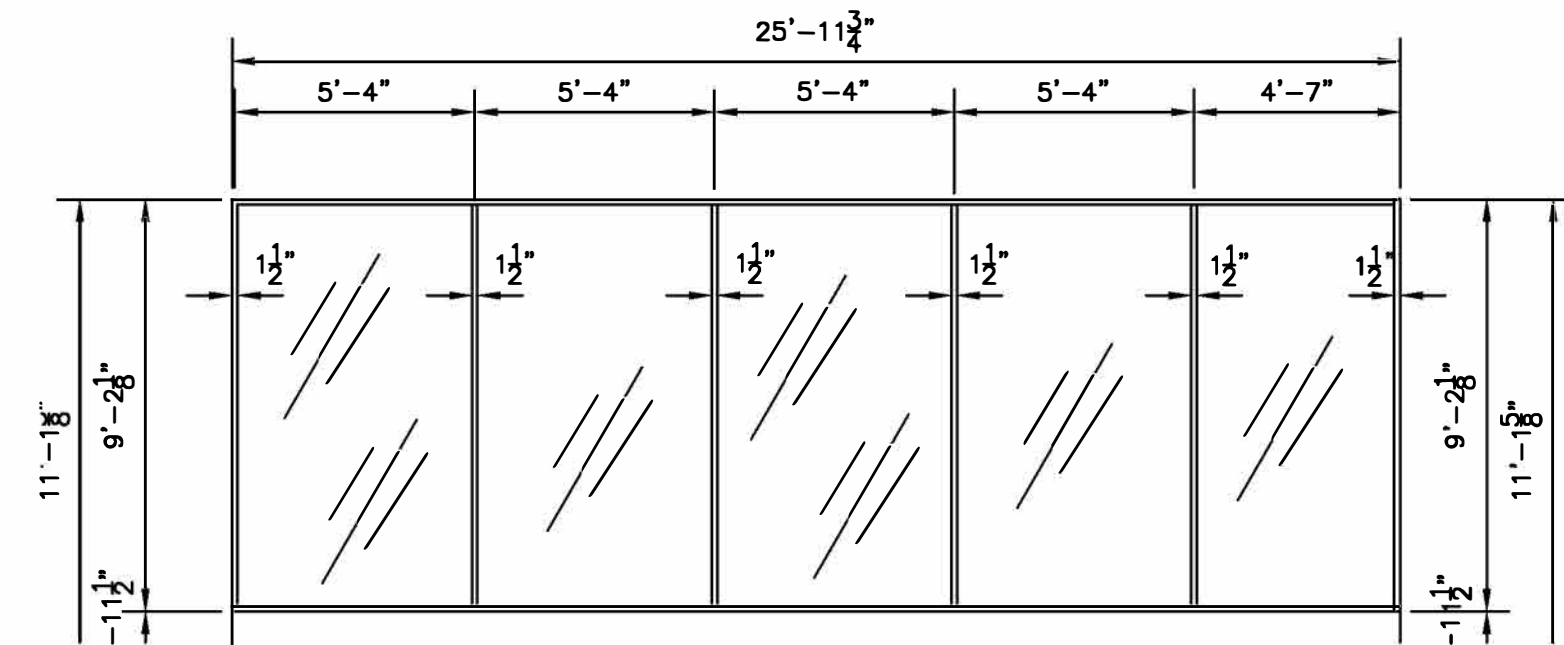
CARPET: JJ FLOORING - FRACTURED PLAID 7587/2879
OPTION JJ FLOORING - MEASUREMENT 7806/3730

VINYL COMPOSITION TILE: JOHNSONITE - BEIGE - V205
OPTION JOHNSONITE - ANTIQUE WHITE - V2890

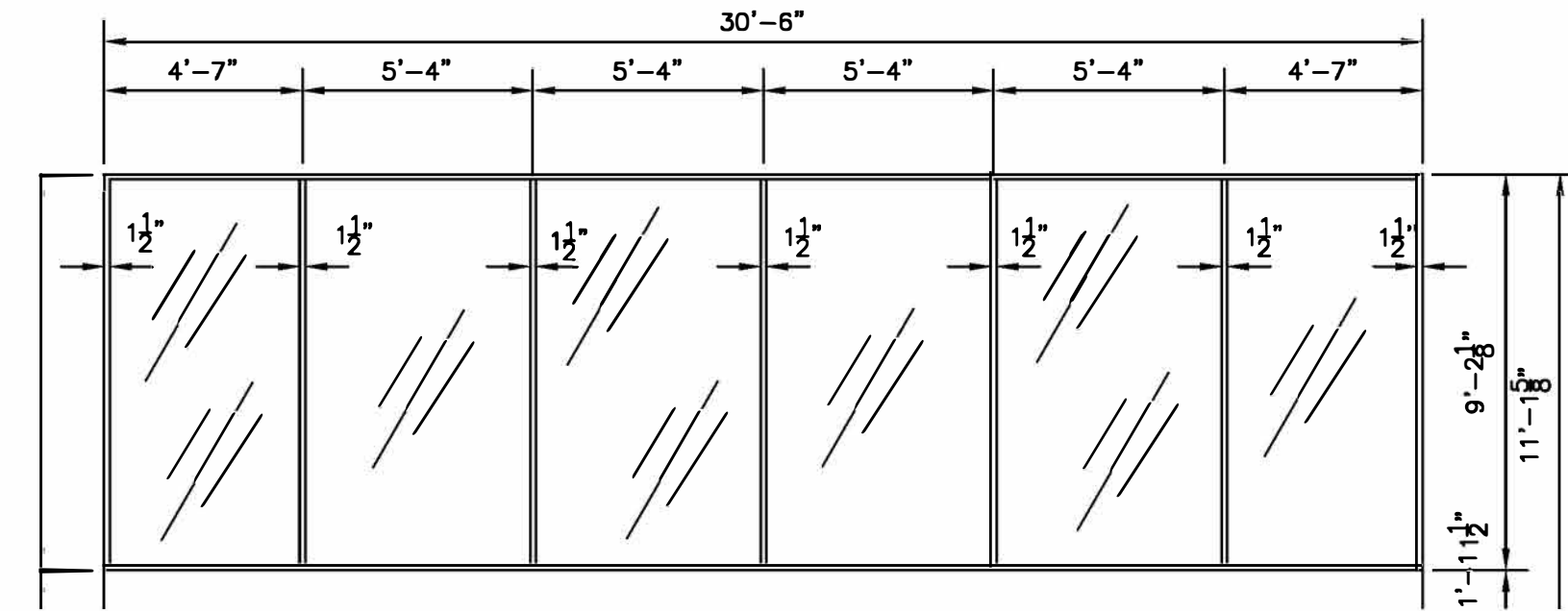
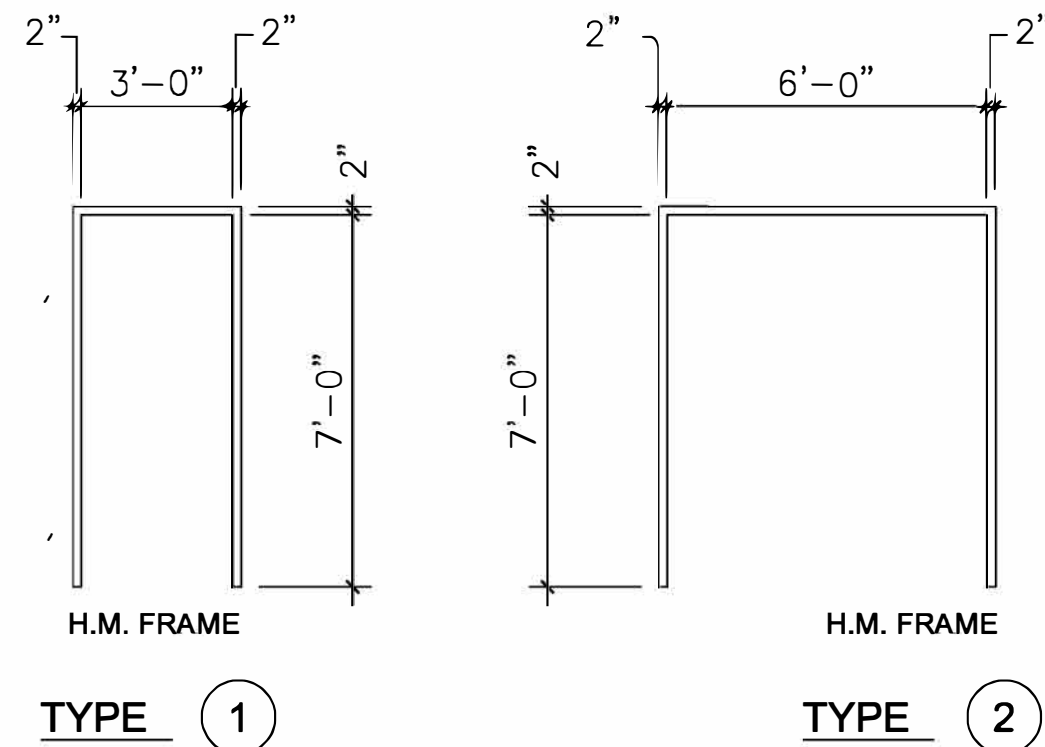
COVE BASE: JOHNSONITE - BEIGE -49 -WB

FURNITURE
CABINETRY TO BE SHAKER/FLAT PANEL STYLE CABINETS - SELECTION TO BE GIVE TO GOVERNMENT FOR FINAL APPROVAL.

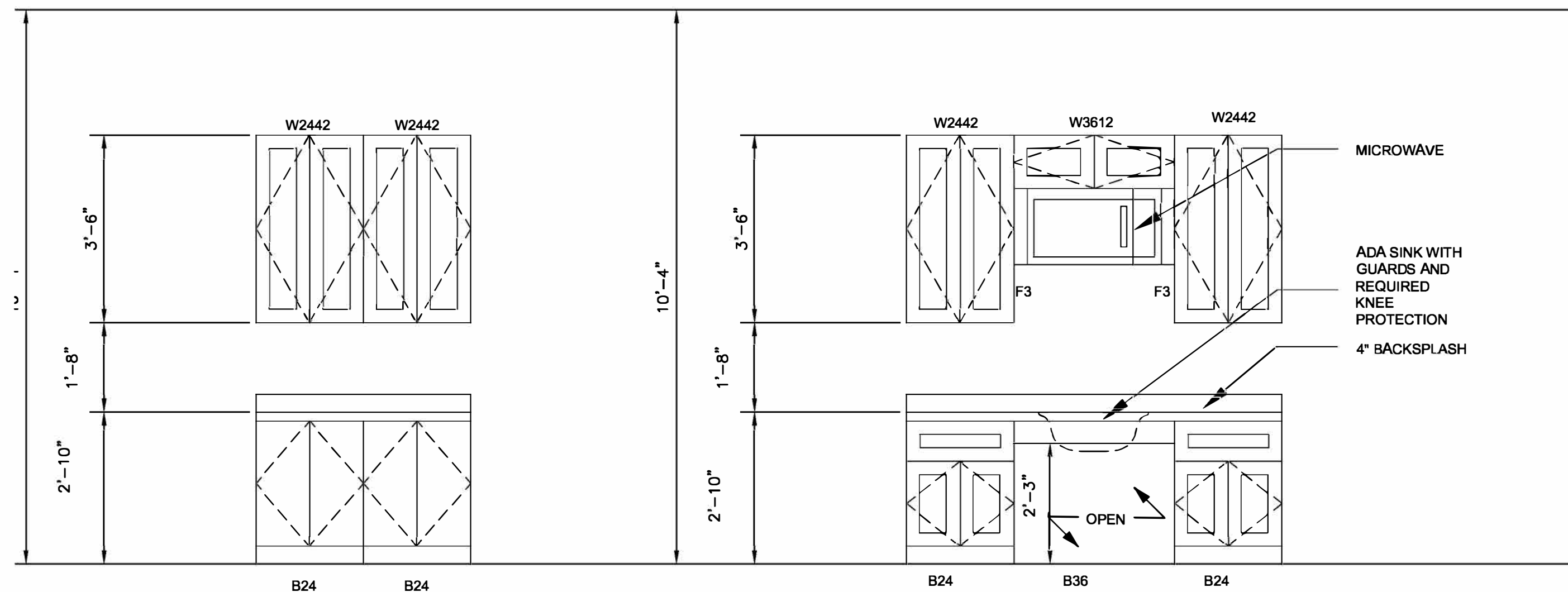
MULTIPURPOSE ROOM:
CHAIRS: HERMAN MILLER - SETU SIDE CHAIR - COLOR: GRAPHITE SKU #100519216
TABLES: HERMAN MILLER - 24"x60" OE1 TABLE -WALNUT FINISH -FRAME-NIGHTFALL
BREAK ROOM:
CHAIRS: HERMAN MILLER - SAYL SIDE CHAIRS - COLOR: GRAPHITE
TABLES: HERMAN MILLER - 36" ROUND TABLE SINGLE COLUMN BASE w/GLIDER



FRAME TYPES



1 STOREFRONT WINDOW ELEVATIONS
1/4\"/>



2 CABINETRY ELEVATIONS
1/2\"/>

ROOM FINISH SCHEDULE									
ROOM No.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	WALL HEATER COVERS				NOTES
201	MULTIPURPOSE RM	CPT	WD	PNGB	PEHC				PROVIDE BLINDS COLOR TBD BY FAA PROVIDE CHAIR CHAIR RAIL SEE DTL 1/702
202	STORAGE	CPT	VCB	PNGB					
203	IT	CPT	VCB	PNGB					
204	ELECTRIC RM	—	VCB	PNGB					
205	BREAK ROOM	VT	VCB	PEGB/PNGB					
+ 2,245 . SQ. FT. OF NEW CARPET TILES IN 2ND FLOOR RENOVATED AREA									

DOOR SCHEDULE													
NO.	DOOR						FRAME					FIRE RATING	REMARKS
	WIDTH	HEIGHT	THK.	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	
1	3'-0"	7'-0"	1 3/4"	A	MTL	PT	1	HM	PT	1	1	1	PROVIDE KICKPLATE / MATCH EXISTING
2	(2)3'-0"	7'-0"	1 3/4"	A	WD	PO	2	HM	PT	1	1	1	PROVIDE KICKPLATE / MATCH EXISTING
3	3'-0"	7'-0"	1 3/4"	A	WD	PO	1	HM	PT	1	1	1	

ABBREVIATIONS :

HM — HOLLOW METAL (STEEL)
PT — PAINT
PO — POLYURETHANE
WD — SOLID CORE WOOD

CPT NEW CARPET TILE
VT NEW VINYL TILE
PEGB PAINT EXISTING GYPSUM BOARD
PNGB PAINT NEW GYPSUM BOARD

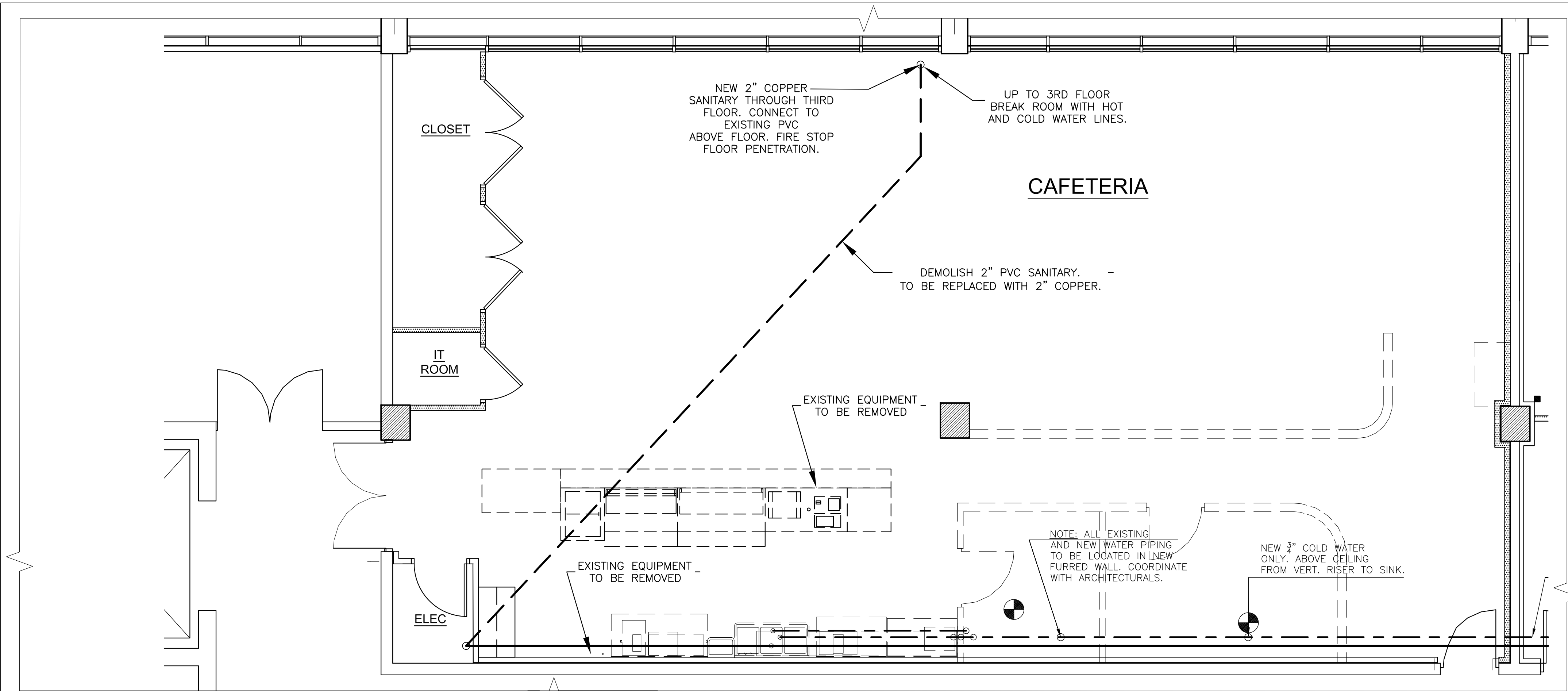
LEGEND

PEHC PAINT NEW HEATER CABINETS-GLOSS FINISH
VCB VINYL COMPOSITION BASE BOARD
WD NEW WOOD BASEBOARD, PAINTED
TYP TYPICAL
CORR CORRIDOR

REV	DATE	DESCRIPTION			CHECK APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					310
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
SCHEDULES, DETAILS & ELEVATIONS					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY DATE
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: DELGADO	ISSUED BY:	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)	DRAWN: DELGADO	CENTER OPERATIONS DIVISION		DRAWING NO.	SHEET #
	CHECK:	ANG-E3		2025009-A7.01	7 OF 27

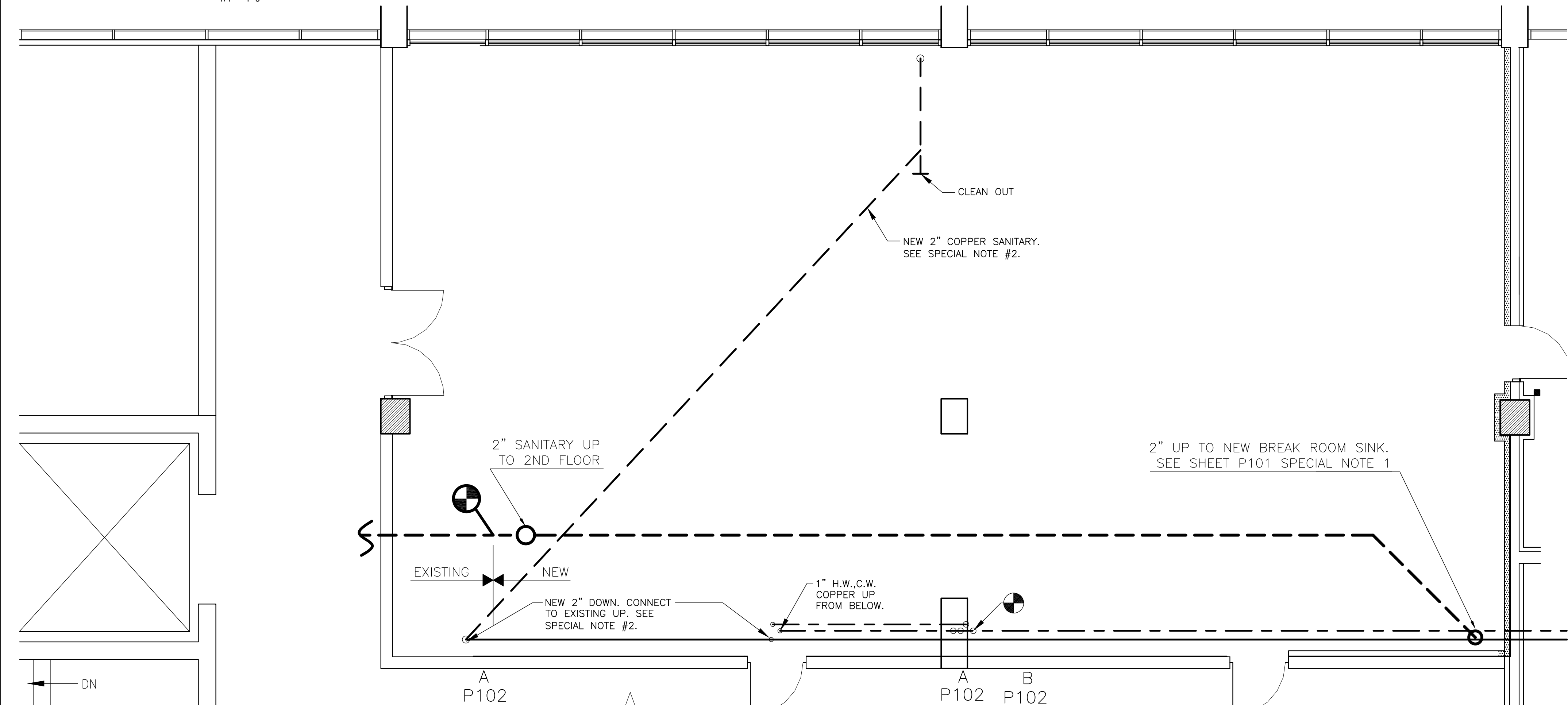


REV	DATE	DESCRIPTION			CHECK APPROV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					310
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
DETAILS & ELEVATIONS					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY DATE
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: DELGADO	ISSUED BY:	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)		DRAWN: DELGADO	CENTER OPERATIONS DIVISION	DRAWING NO.	SHEET #
		CHECK:	ANG-E-3	2025009-A7.02	8 OF 27



SECOND FLOOR DEMO PLUMBING PLAN

1/4" = 1'-0"



SECOND FLOOR NEW PLUMBING PLAN

1/4" = 1'-0" (NEW PLUMBING BETWEEN 1ST FL CLG & 2ND FLOOR)

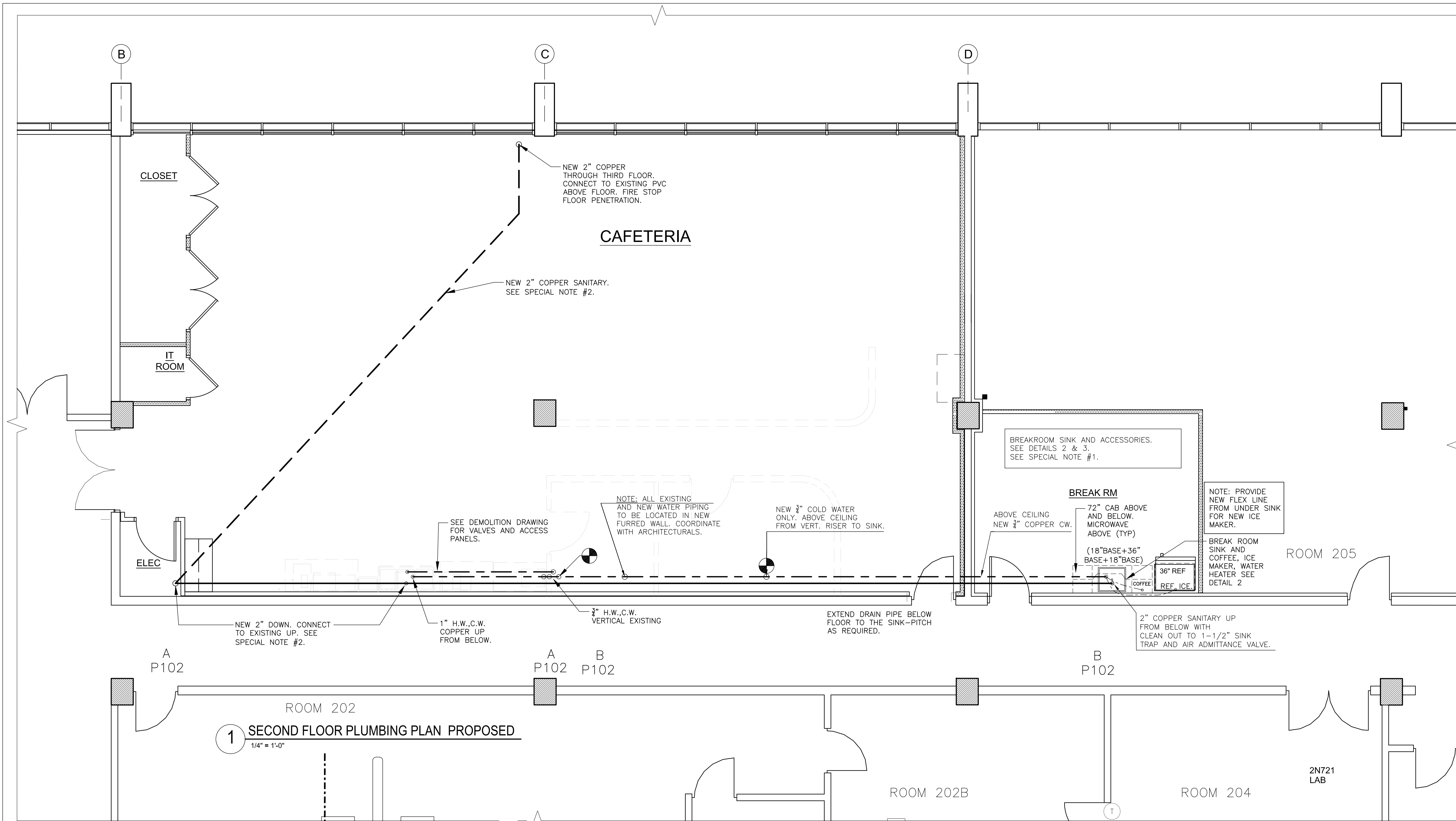
LEGEND

- VENT PIPING
- COLD WATER PIPING
- HOT WATER PIPING
- DRAIN PIPING
- ⊗ SHUT OFF VALVE
- ⊗ POINT OF CONNECTION

GENERAL NOTES:

- ALL WORK MUST BE IN STRICT COMPLIANCE WITH THE NATIONAL STANDARD PLUMBING CODE/ 2021, NJ EDITION.
- ALL SANITARY PIPING MUST BE ASTM B88 TYPE L COPPER WITH SOLDERED FITTINGS.
- ALL WATER PIPING MUST BE ASTM B88 TYPE L COPPER WITH SOLDERED FITTINGS.
- PROVIDE CLEAN OUTS IN SANITARY PIPING AT LEAST PER CODE REQUIREMENTS. CLEAN OUTS ARE NOT SHOWN ON DRAWINGS, BUT MUST BE LOCATED BY THE PLUMBER IN ACCORDANCE WITH CODES AND BEST PRACTICE. (CLEAN OUTS REQUIRED EVERY 75 FEET AND CHANGE IN DIRECTION)
- INSULATE ALL HOT AND COLD WATER PIPING WITH $\frac{1}{2}$ " FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER.
- PROVIDE SUBMITTALS FOR ALL PLUMBING MATERIAL AND ITEMS FOR REVIEW BY THE TERMS OF REFERENCE.
- PROVIDE ACCESS PANELS WHERE REQUIRED FOR VALVES AND CLEAN OUTS.

REV	DATE	DESCRIPTION			CHECK APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405						
					301	
B301 CAFETERIA RENOVATION MULTIPURPOSE RM						
PLUMBING PLANS AND GENERAL NOTES						
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY	DATE
					(Typed Name of ANG-E Supervisor)	
MERCED O						
DESIGN: ABRUZZESE		ISSUED BY:		DATE: 03/30/2026	JCN:	
DRAWN: HOATSON		CENTER OPERATIONS DIVISION ANG-E3		DRAWING NO.		SHEET #
CHECK:				2025009-P101		9 of 27



SPECIAL NOTES

1. LOCATION OF 2ND FLOOR CORE DRILLING FOR SINK DRAIN REQUIRE CAREFULL ADVANCED PLANNING AND COORDINATION. COORDINATE HOLE LOCATION WITH STRUCTURE OF 2ND FLOOR (BELOW), BASE CABINET LOCATION & SINK DRAIN LOCATION. MAINTAIN ALL REQUIRED ADA CLEARANCES. THIS COORDINATION ALSO APPLIES TO WATER HEATER, ACCESSORY WATER CONNECTIONS, TRAP, AIR ADMITTANCE VALVE, ETC.
2. INTENT IS TO REMOVE EXISTING PVC PIPING IN LOCATIONS WHERE IT IS PROHIBITED BY CODE. INTENT IS TO REPLACE PVC WITH COPPER.

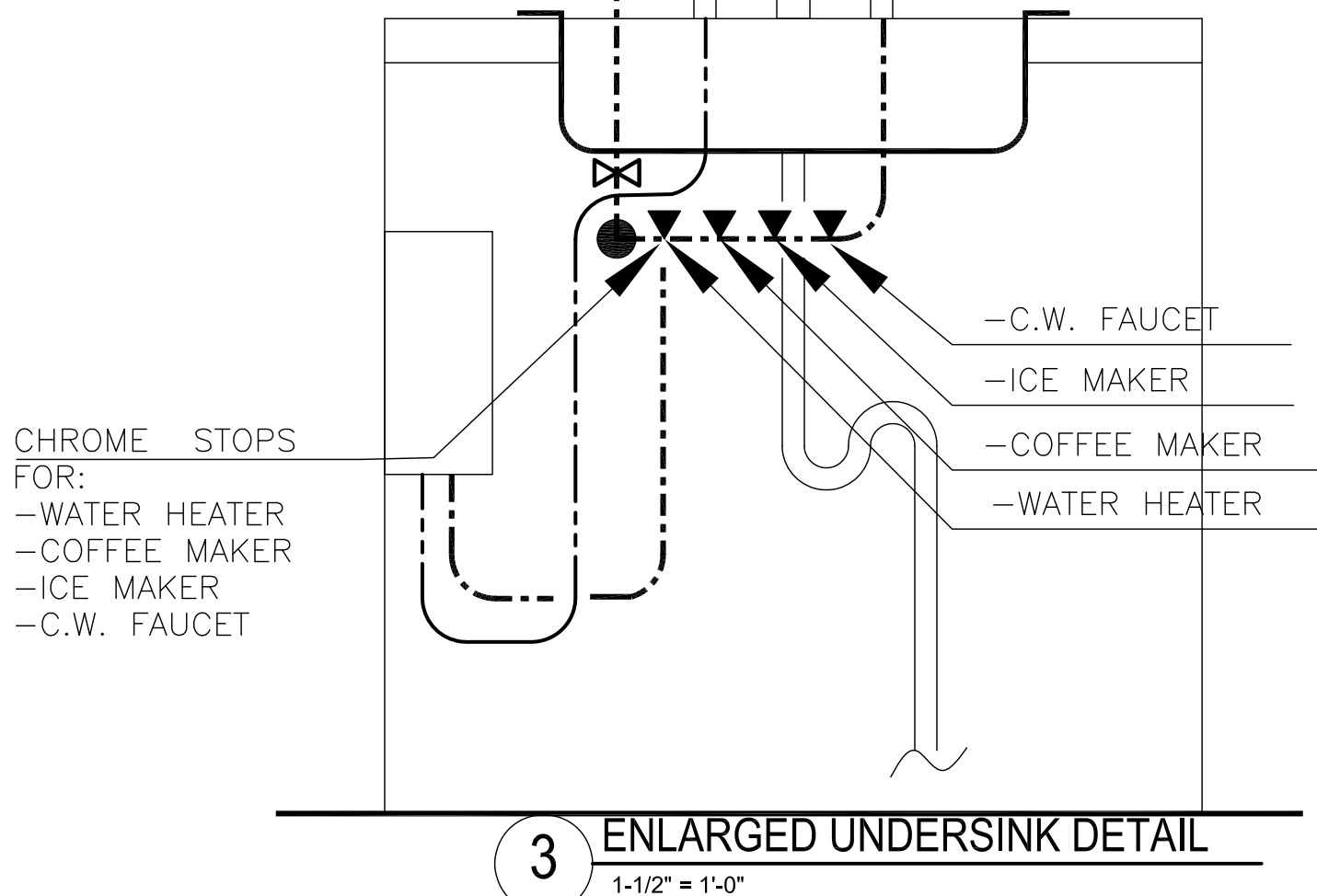
GENERAL NOTES:

1. ALL PLUMBING WORK SHALL BE IN STRICT COMPLIANCE WITH THE NATIONAL PLUMBING CODE.
2. ALL NEW DOMESTIC WATER PIPING TO BE COPPER TYPE L WITH SOLDERED JOINTS.
3. ALL NEW DRAIN AND VENT PIPING TO BE SCHEDULE 80 ABS.
4. INSULATE ALL HOT AND COLD WATER PIPING WITH FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER.
5. PROVIDE NEW GARBAGE DISPOSER MODEL BADGER 5 BY "IN-SINK-ERATOR INC." OR APPROVED EQUAL. INSTALL GARBAGE DISPOSER ACCORDING TO MANUFACTURERS WRITTEN INSTRUCTIONS.
6. CAP EXISTING COMPRESSED AIR LINES SERVING THE EXISTING WORKBENCHES ABOVE THE CEILING IN LAB 303.

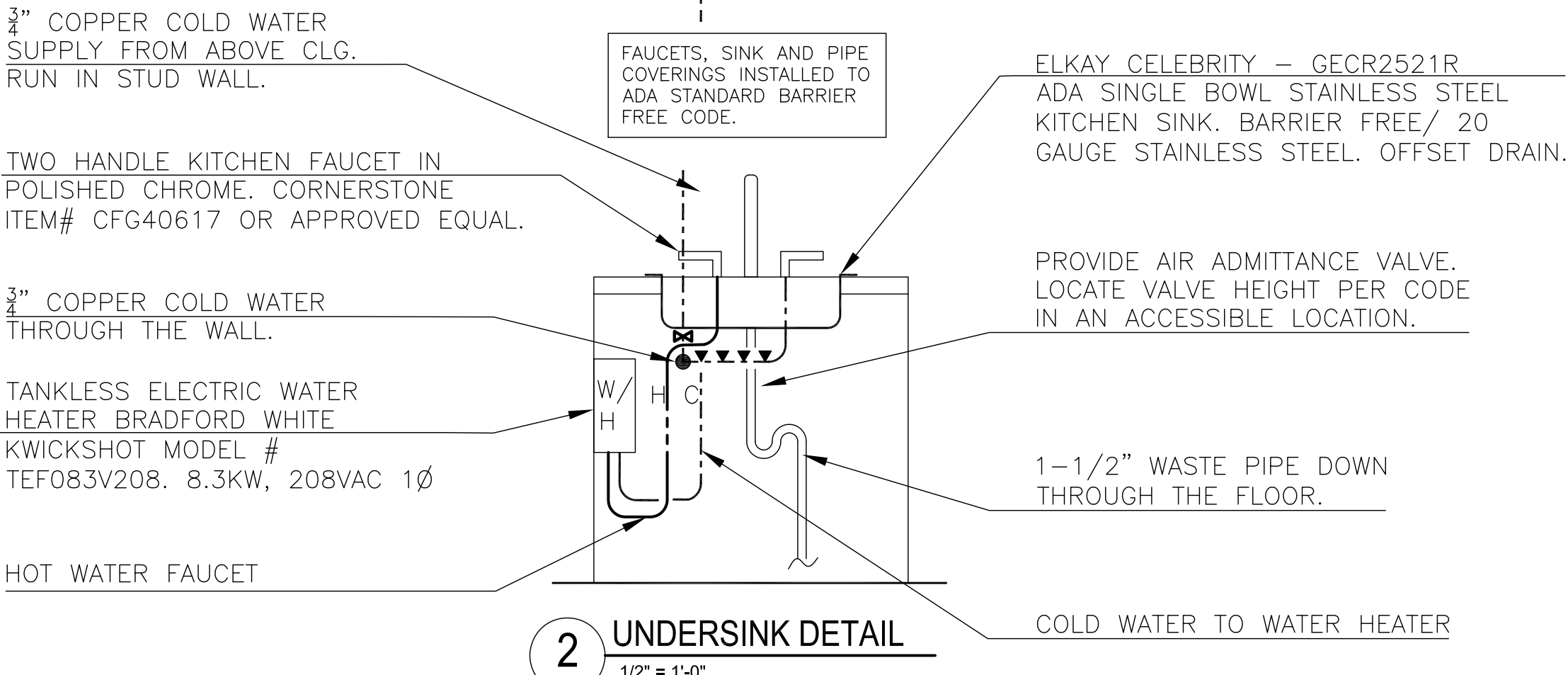
LEGEND

- VENT PIPING
- COLD WATER PIPING
- HOT WATER PIPING
- DRAIN PIPING
- SHUT OFF VALVE
- POINT OF CONNECTION

1 SECOND FLOOR PLUMBING PLAN PROPOSED
1/4" = 1'-0"



3 ENLARGED UNDERSINK DETAIL
1-1/2" = 1'-0"



2 UNDERSINK DETAIL
1/2" = 1'-0"

	9/16/2025	CAFE TO MP ROOM CONVERSION			
REV	DATE	DESCRIPTION			CHECK APR'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					301
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
PROPOSED SECOND FLOOR PLUMBING PLAN DETAILS AND NOTES					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
					DATE
				(Typed Name of ANG-E Supervisor)	
		MERCED O		DATE: 01/30/2025 JCN:	
		DESIGN: ABRUZZESE		ISSUED BY:	
		DRAWN: HOATSON		DRAWING NO.	
APPROVAL (FINISHES)		CHECK:		2025009-P102	
				SHEET #	
				10 OF 27	

GENERAL NOTES:

1.

ALL WORK MUST BE IN STRICT COMPLIANCE WITH THE NATIONAL STANDARD PLUMBING CODE/ 2021, NJ EDITION.
2.

ALL SANITARY PIPING MUST BE ASTM B88 TYPE L COPPER WITH SOLDERED FITTINGS.
3.

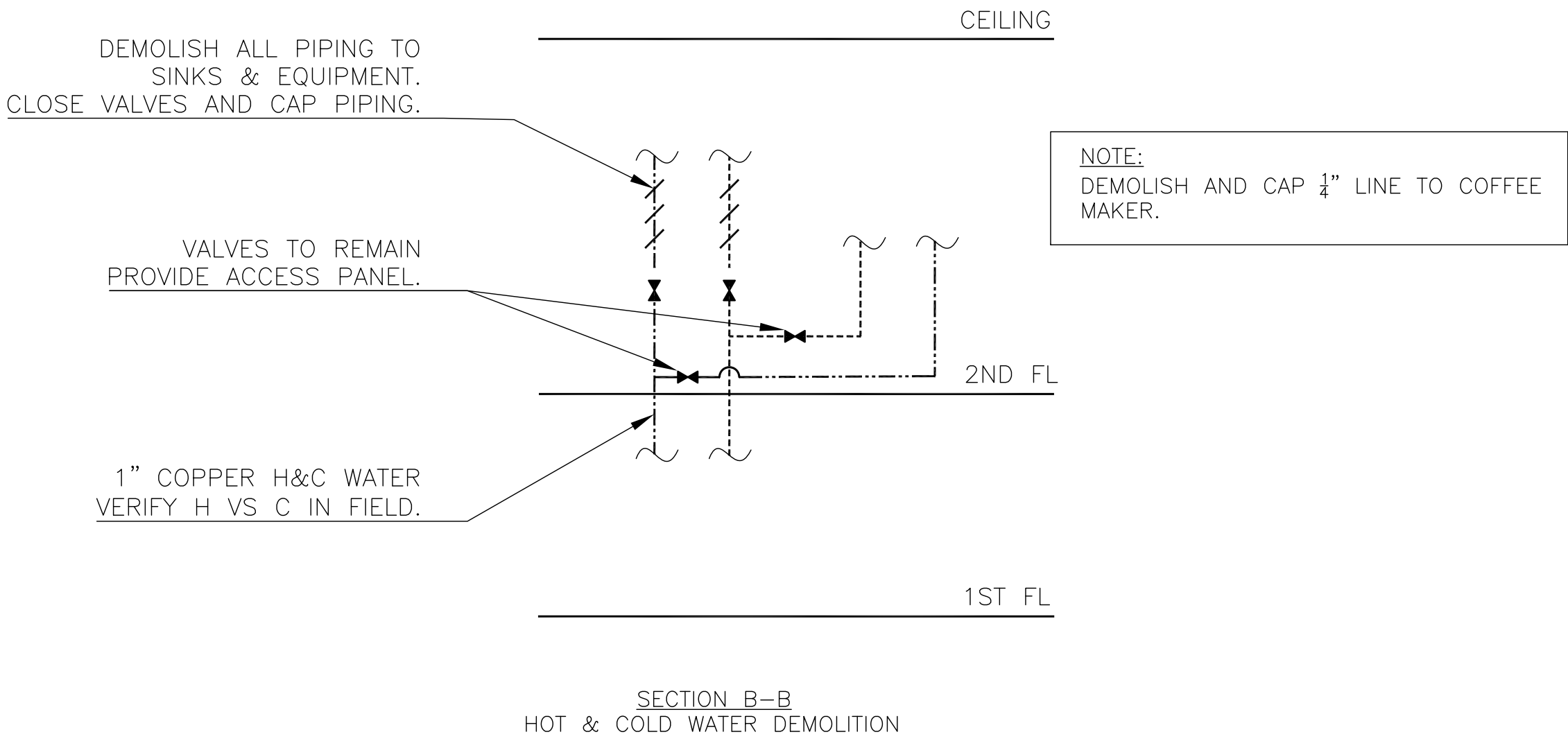
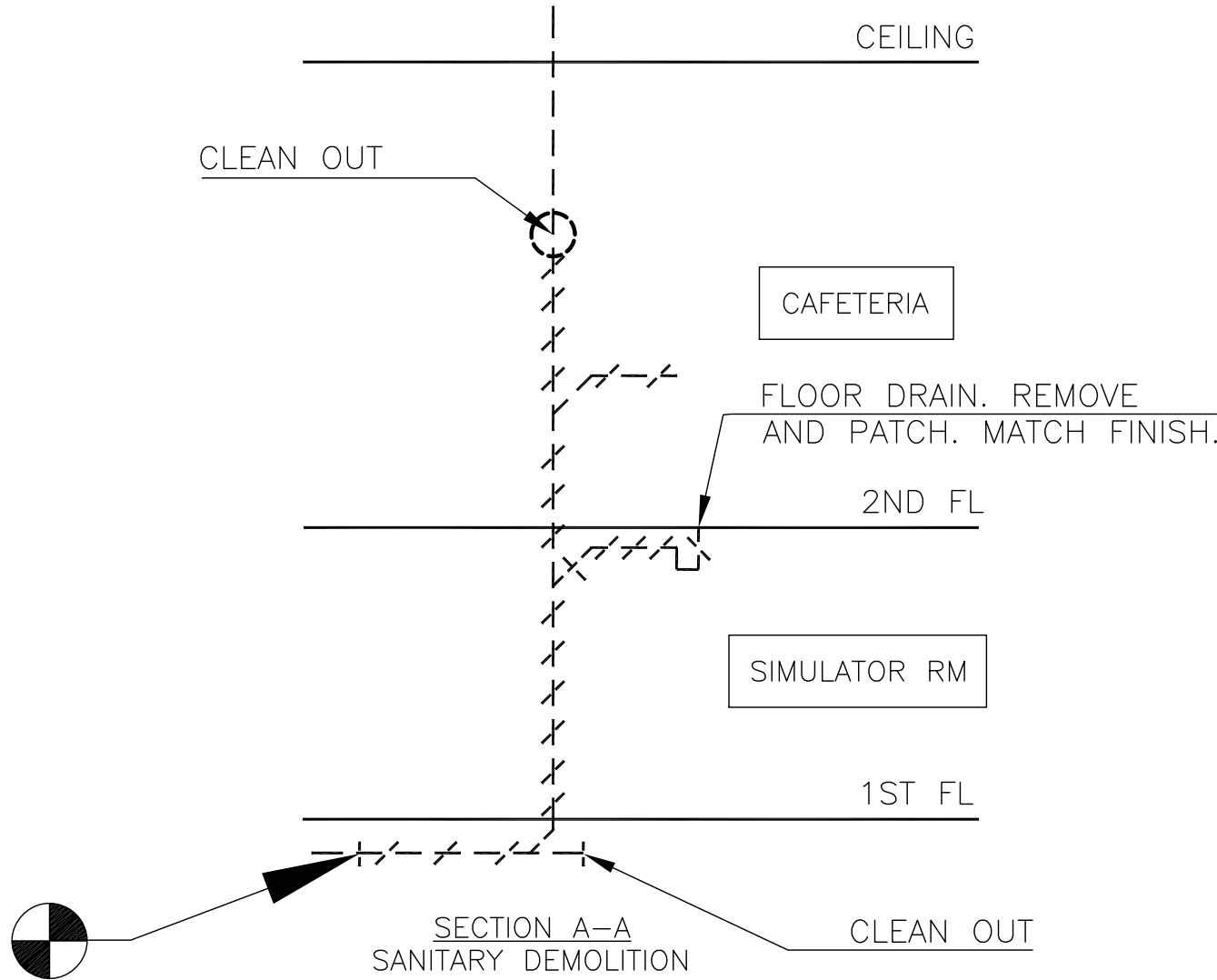
ALL WATER PIPING MUST BE ASTM B88 TYPE L COPPER WITH SOLDERED FITTINGS.
4.

PROVIDE CLEAN OUTS IN SANITARY PIPING AT LEAST PER CODE REQUIREMENTS. CLEAN OUTS ARE NOT SHOWN ON DRAWINGS, BUT MUST BE LOCATED BY THE PLUMBER IN ACCORDANCE WITH CODES AND BEST PRACTICE.
5.

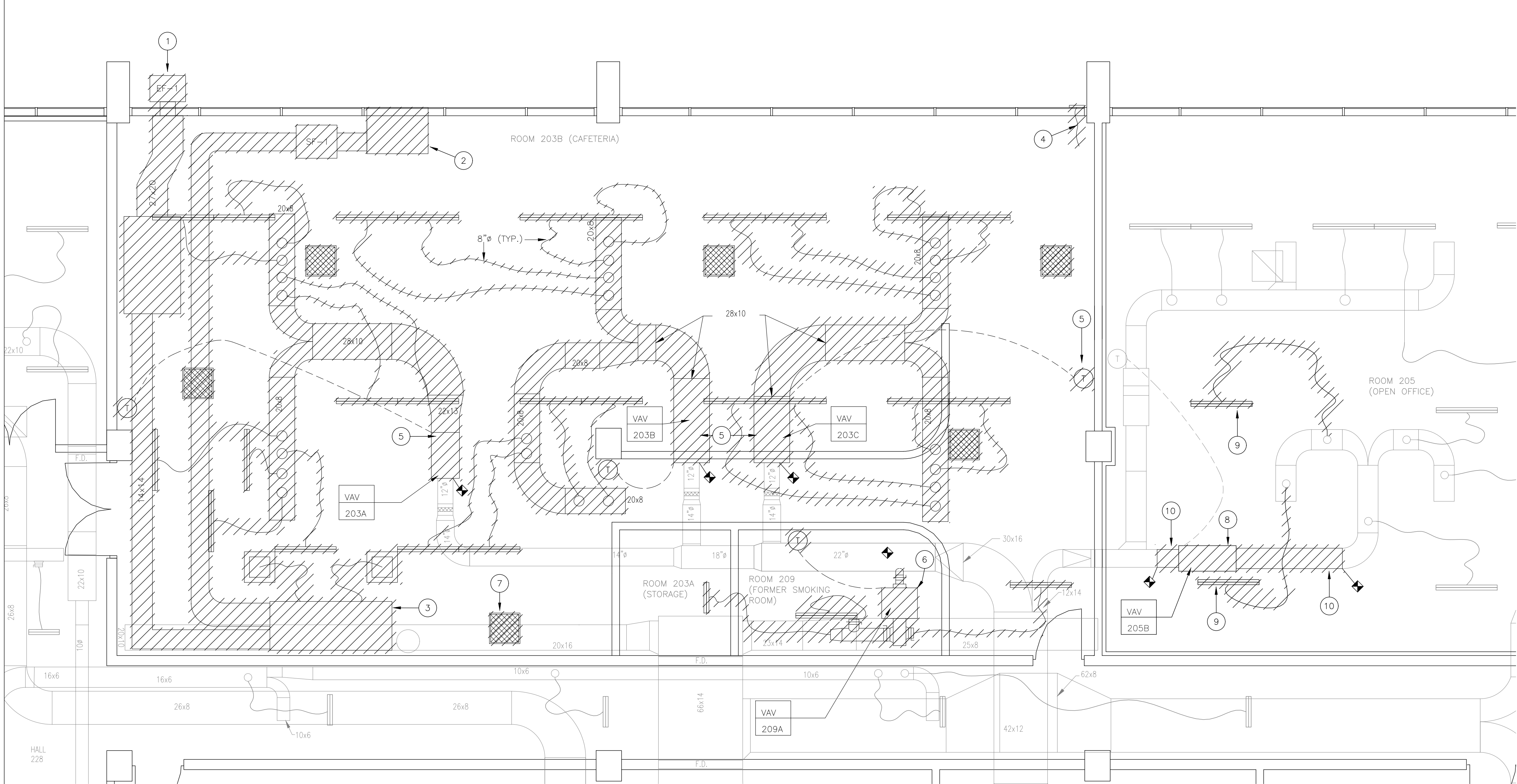
INSULATE ALL HOT AND COLD WATER PIPING WITH FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER.
6.

PROVIDE SUBMITTALS FOR ALL PLUMBING MATERIAL AND ITEMS FOR REVIEW BY THE TERMS OF REFERENCE.
7.

PROVIDE ACCESS PANELS WHERE REQUIRED FOR VALVES AND CLEAN OUTS.



	9/16/2025	CAFE TO MP ROOM CONVERSION		
REV	DATE	DESCRIPTION	CHECK	APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
B301 CAFETERIA RENOVATION MULTIPURPOSE RM				301
PLUMBING GENERAL NOTES AND DETAILS				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	MERCED O		(Typed Name of ANG-E Supervisor)	
	DESIGN: ABRUZZESE	ISSUED BY:	DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)	DRAWN: HOATSON	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO.	SHEET #
	CHECK:		2025009-P901	11 OF 27



MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"

KEY NOTES:

#

1.

REMOVE EF-1, THE SMOG HOG KITCHEN VENTILATION UNIT AND ALL OF THE CONNECTED DUCT WORK. DISCONNECT AND REMOVE ALL EXISTING CONTROLS AND ACCESSORIES. SEE DRAWING E100 TO REMOVE SMOG HOG POWER SOURCE AND PANEL. SEE DRAWING A2.02 FOR WORK RELATED TO OPENING.

2.

REMOVE SF-1, THE INTAKE PLENUM, AND ALL OF THE CONNECTED DUCT WORK. DISCONNECT AND REMOVE ALL EXISTING CONTROLS AND ACCESSORIES. SEE DRAWING A2.02 TO ADDRESS THE CREATED OPENING.

3.

REMOVE THE KITCHEN HOOD, THE PLENUM, THE CONNECTED DUCT WORK AND DIFFUSERS. DISCONNECT AND REMOVE ALL EXISTING CONTROLS AND ACCESSORIES.

4.

REMOVE REMAINING DUCT WORK AND ALL EXISTING ACCESSORIES. SEE DRAWING A2.02 FOR WORK RELATED TO THE OPENING.

5.

REMOVE VAVS 203A, 203B AND 203C. REMOVE ALL THREE CORRESPONDING THERMOSTATS AND ALL WIRING. REMOVE ALL DOWNSTREAM DUCT WORK AND SUPPLY AIR DIFFUSERS AS SHOWN.

6.

REMOVE VAV 209A. REMOVE THE CORRESPONDING THERMOSTAT AND ALL WIRING. REMOVE ALL DOWNSTREAM DUCT WORK AND SUPPLY AIR DIFFUSERS AS SHOWN. REMOVE THE UPSTREAM DUCT WORK BRANCH AS SHOWN. CAP AND SEAL AIR TIGHT THE VACATED TAKEOFF.

7.

REMOVE ALL RETURN AIR REGISTERS, TYPICAL.

8.

DISCONNECT AND REMOVE VAV 205B, SAVE FOR RELOCATION. THE CORRESPONDING THERMOSTAT MUST STAY IN PLACE TO BE REUSED. SEE KEY NOTE 2 ON DRAWING M101

9.

REMOVE LINEAR SUPPLY AIR DIFFUSERS, SAVE FOR RELOCATION. SEE KEY NOTE 1 ON DRAWING M101.

10.

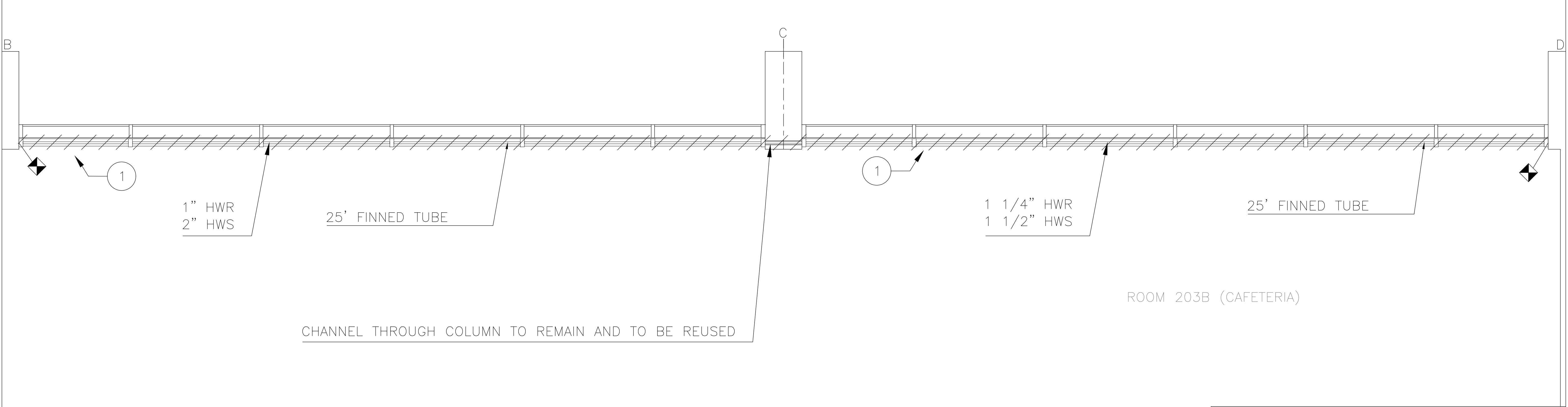
REMOVE ONE SECTION OF DUCT WORK TO THE NEXT JOINT ON EACH SIDE OF VAV 205B AS SHOWN.

GENERAL NOTES:

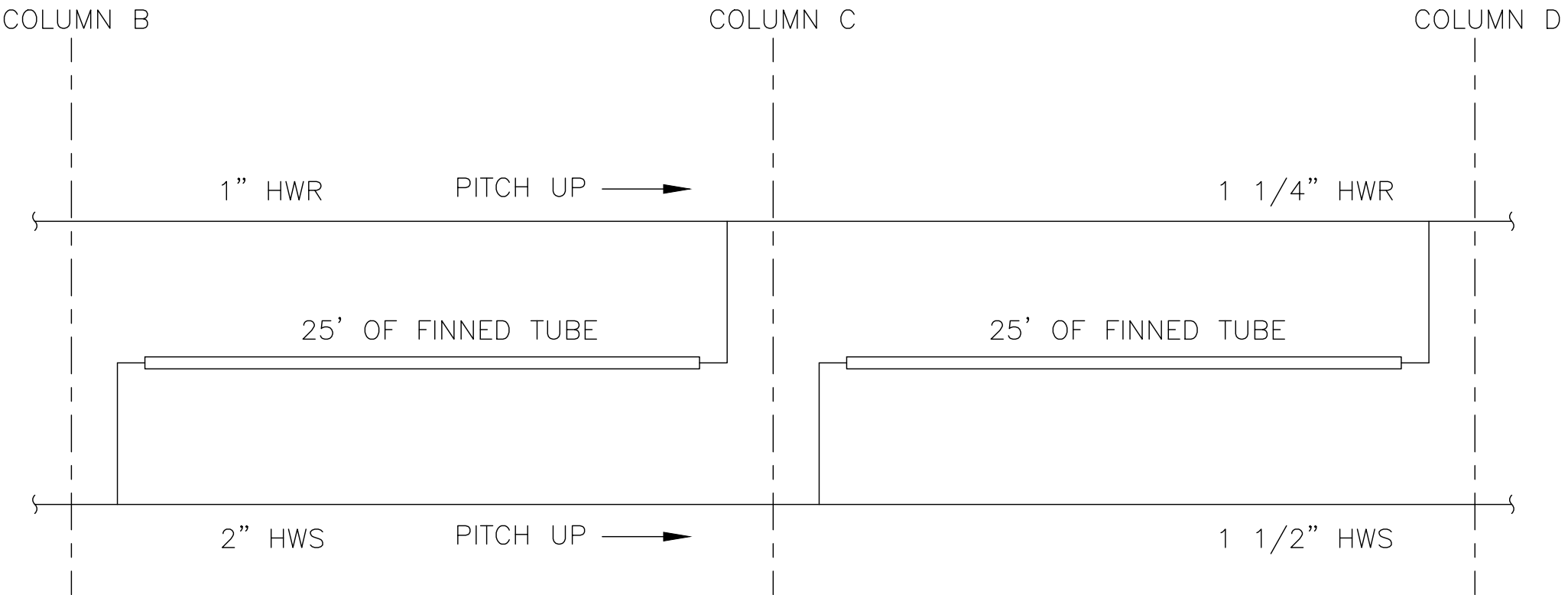
1.

REFER TO REFLECTED CEILING PLAN ON E102 FOR EXACT LOCATIONS OF EQUIPMENT IN THE CEILING GRID.

R4				
R3				
R2				
R1				
REV	DATE	DESCRIPTION	CHECK	APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
CAFETERIA RENOVATION MULTIPURPOSE RM			301	
MECHANICAL DEMOLITION				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	SUBMITTED		APPROVED	
	DESIGN: N.REED	ISSUED BY:	DATE: 1/30/26	JCN:
APPROVAL (FINISHES)	DRAWN: N.REED	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-M001	SHEET # 12 OF 27
	CHECK:			



HOT WATER DEMOLITION PLAN
1/2" = 1'-0"



HOT WATER PIPING DIAGRAM
NTS

KEY NOTES:

#

1. REMOVE ALL EXISTING HOT WATER SUPPLY AND RETURN PIPING, FINNED TUBE, AND RADIATOR ENCLOSURE BETWEEN COLUMNS B AND D. DISCONNECT AND REMOVE ANY EXISTING CONTROLS AND ACCESSORIES. CAP PIPING AT DISCONNECTION WATERTIGHT AND PREPARE FOR RECONNECTION.

R4				
R3				
R2				
R1				
REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

301
CAFETERIA RENOVATION MULTIPURPOSE RM

RADIATOR DEMOLITION

REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	SUBMITTED	APPROVED		
	DESIGN: N.REED	ISSUED BY:	DATE: 1/30/26	JCN:
APPROVAL (FINISHES)	DRAWN: N.REED	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-M002	SHEET # 13 OF 27
	CHECK:			



(#)

- GENERAL NOTES:

1. REFER TO REFLECTED CEILING PLAN ON DRAWING E103 FOR EXACT LOCATIONS OF EQUIPMENT IN THE CEILING GRID.
2. COMPLETE TAB PER PROJECT SPECIFICATIONS.

R4				
R3				
R2				
R1				
REV	DATE	DESCRIPTION	CHECK	APRV'D

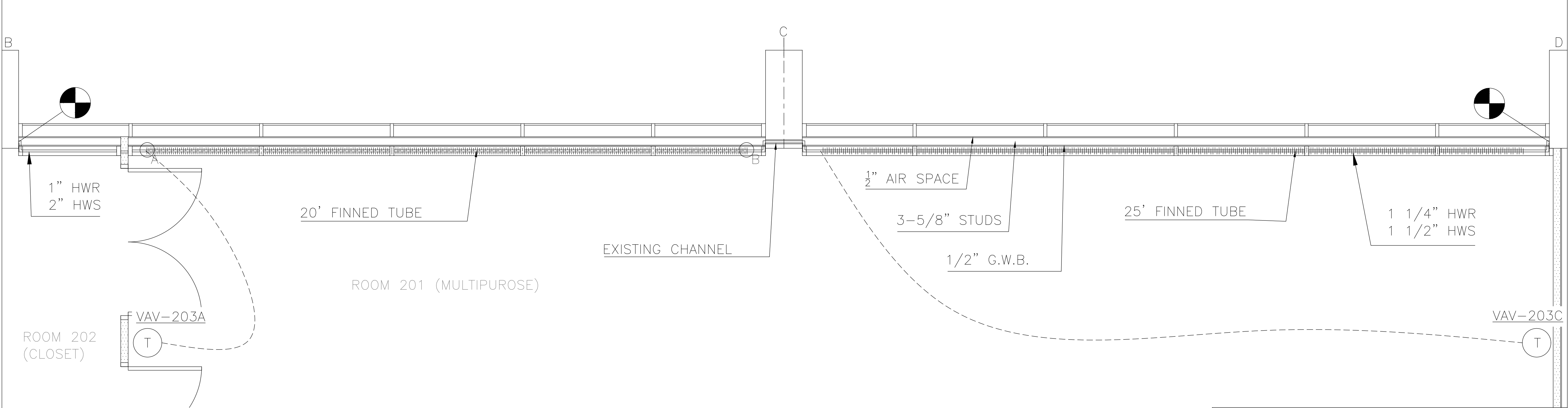
UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

301

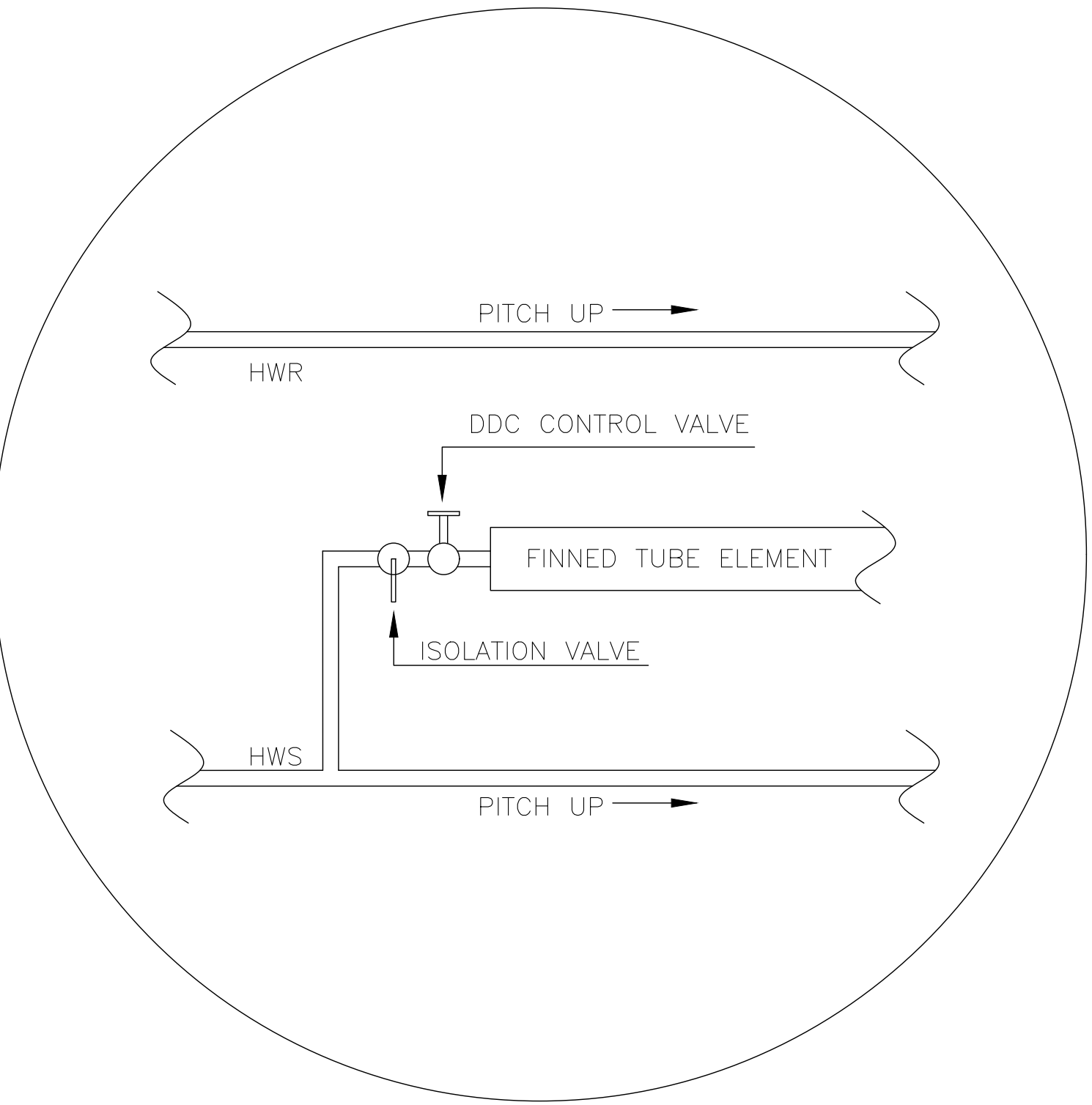
CAFETERIA RENOVATION MULTIPURPOSE RM

MECHANICAL PLAN

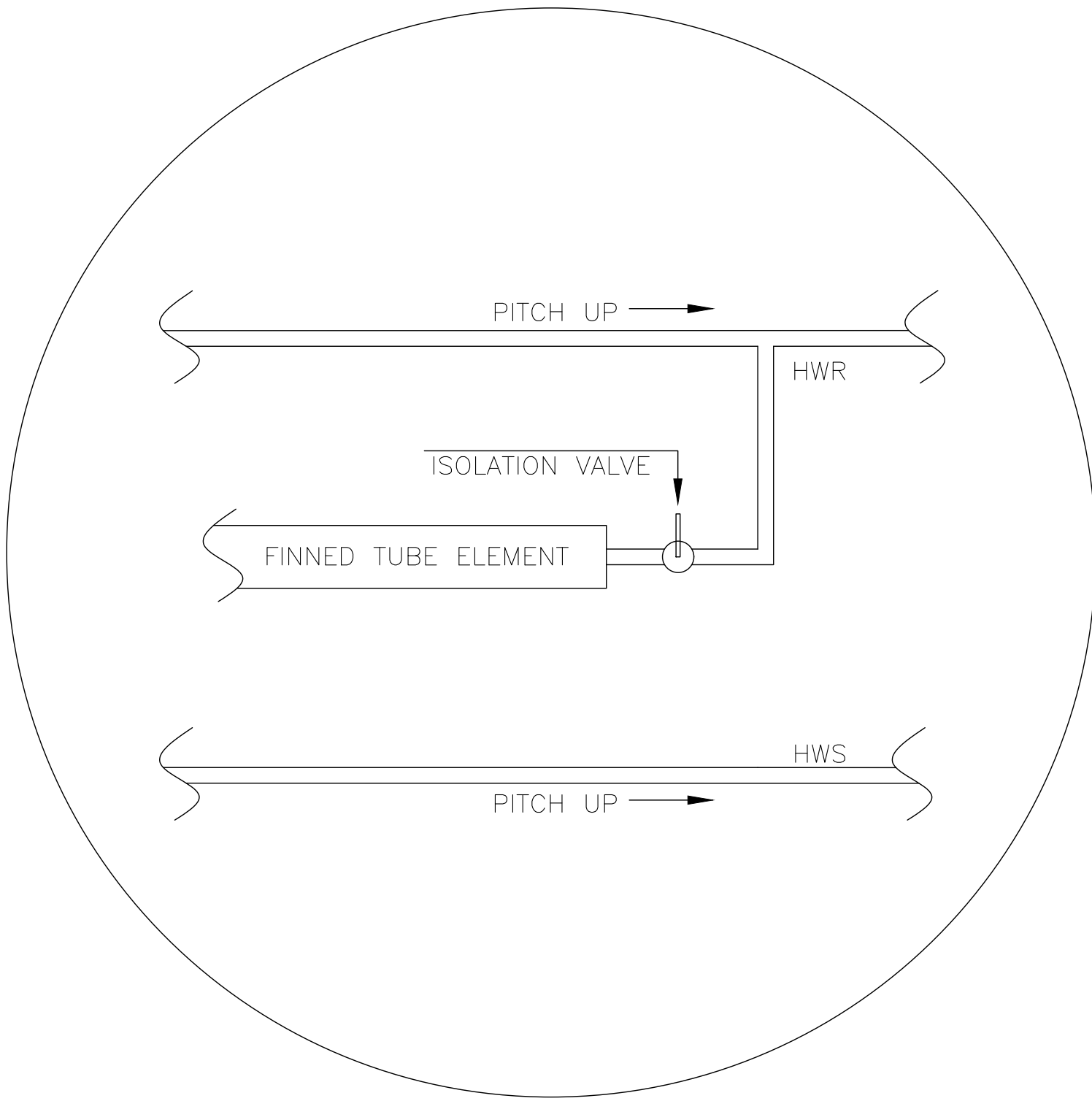
REVIEWED BY		SUBMITTED BY		DATE		APPROVED BY		DATE	
		SUBMITTED		APPROVED					
		DESIGN: N.REED		ISSUED BY:		DATE: 1/30/26		JCN:	
APPROVAL (FINISHES)		DRAWN: N.REED		CENTER OPERATIONS DIVISION ANG-E3		DRAWING NO.		SHEET #	
		CHECK:				2025009-M101		14 OF 27	



HOT WATER NEW WORK PLAN
1/2" = 1'-0"



A — TYPICAL FINNED TUBE ELEMENT SUPPLY
NTS



B — TYPICAL FINNED TUBE ELEMENT RETURN
NTS

KEY NOTES:

#

1.

INSTALL NEW VULCAN DURA-VANE II JDV3 3 TIER ENCLOSURE WITH FINNED TUBE SECTIONS (MINIMUMS OF 1" COPPER TUBE, 0.020 TUBE WALL, & 50 FINS PER FOOT). PROVIDE VALVE COMARTMENTS WHERE EVER IS REQUIRED TO ALLOW COMPLETE ACCESS TO ALL VALVES. RADIATOR COVER SECTIONS SPLITS TO ALIGN ON CENTER WITH WINDOW PANE VERTICAL FRAMES.

2.

INSTALL NEW TYPE K COPPER HOT WATER SUPPLY AND RETURN PIPING WITH THE SAME SIZE AND PITCH AS DEMOLISHED. INSULATE SUPPLY AND RETURN PIPING PER SPECIFICATIONS. EACH FINNED TUBE SECTION IS TO BE PROCEEDED BY A NEW ISOLATION VALVE AND DDC CONTROL VALVE (BELIMO 2-WAY MODULATING) AND FOLLOWED BY AN ISOLATION VALVE.

GENERAL NOTES:

1.

COMPLETE TAB PER PROJECT SPECIFICATIONS.

R4				
R3				
R2				
R1				
REV	DATE	DESCRIPTION	CHECK	APRV'D

UNITED STATES DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WILLIAM J. HUGHES TECHNICAL CENTER
ATLANTIC CITY INT'L AIRPORT, N.J. 08405

301

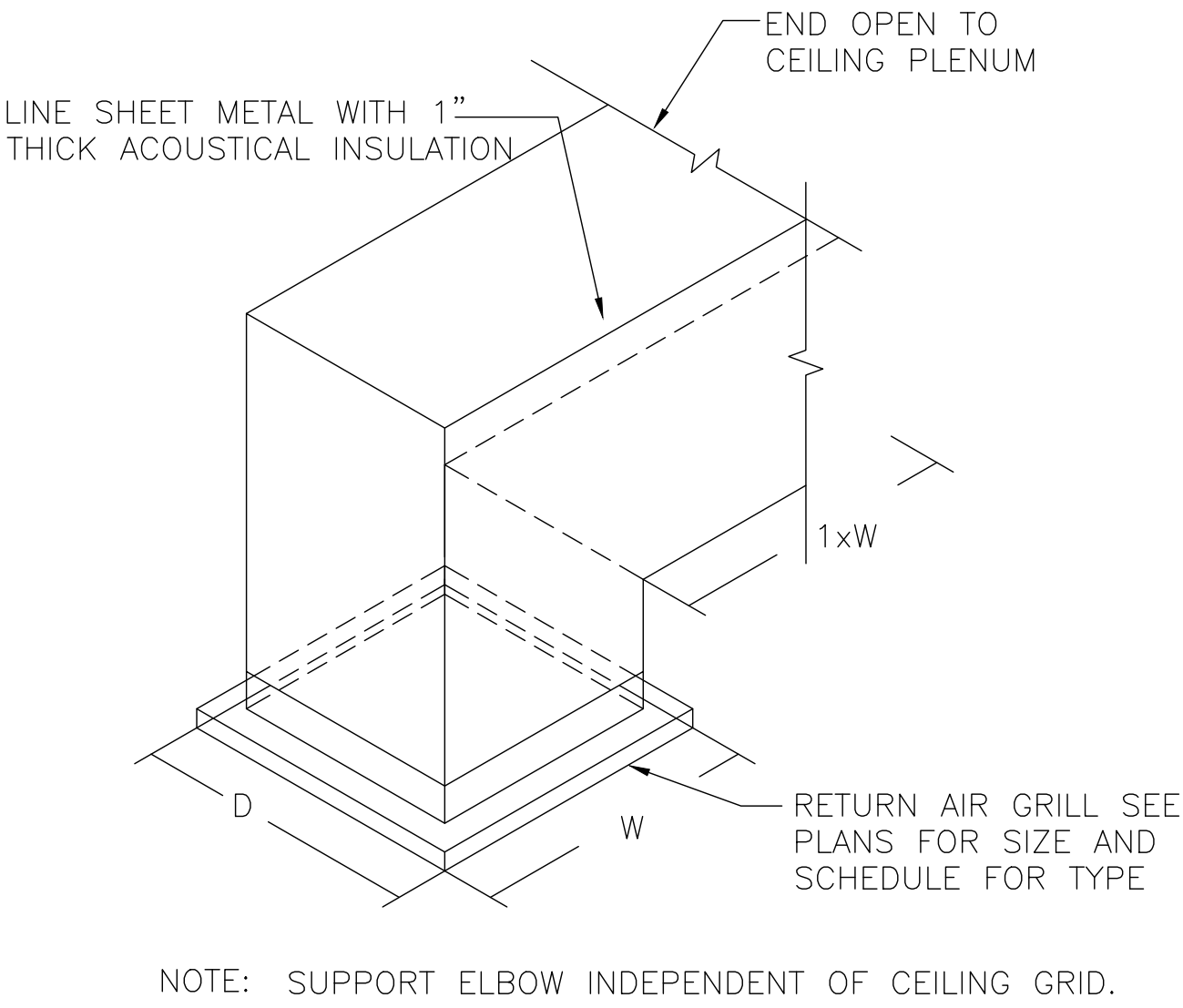
CAFETERIA RENOVATION MULTIPURPOSE RM

RADIATOR PLAN

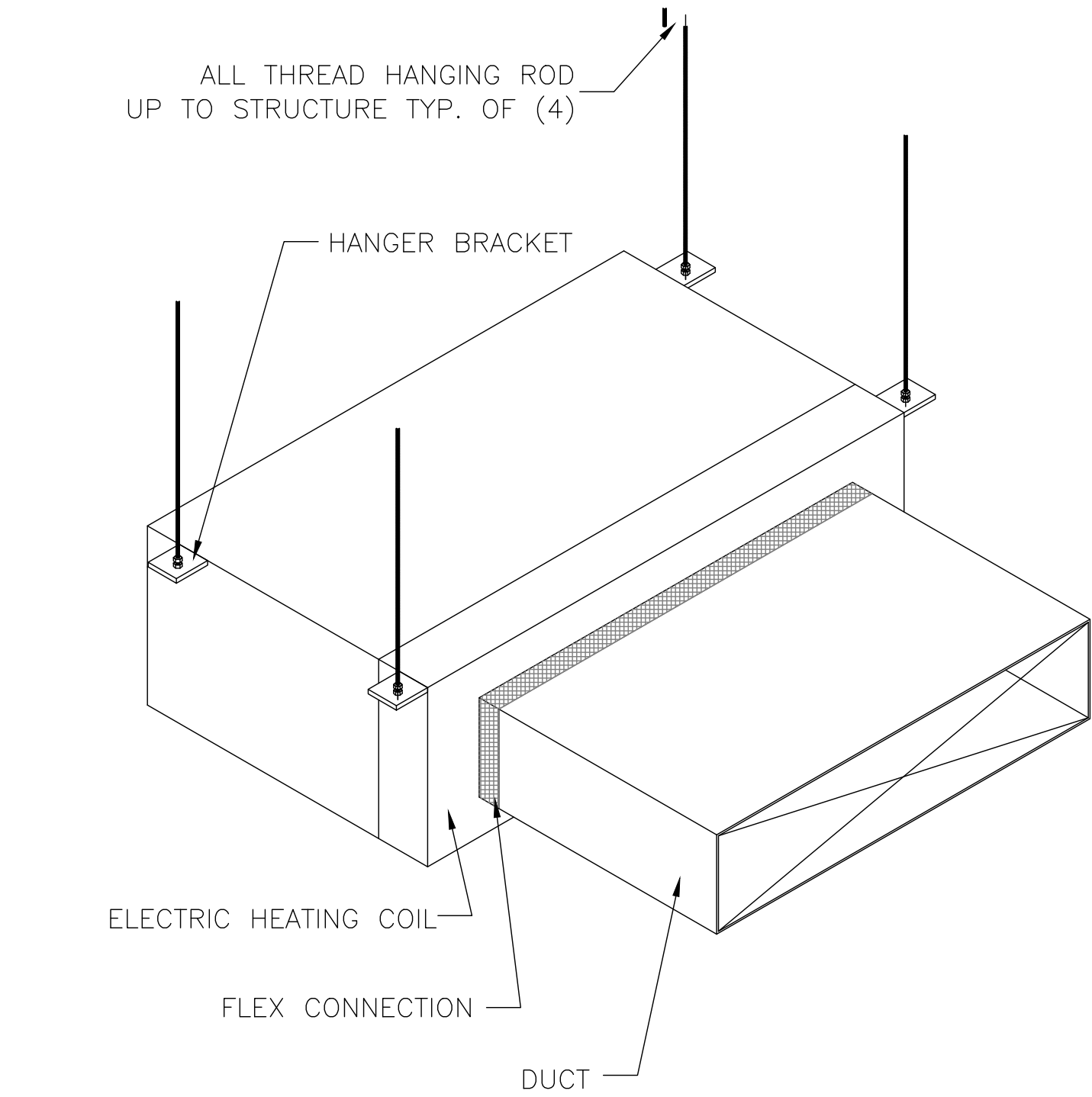
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
	SUBMITTED	APPROVED		
	DESIGN: N.REED	ISSUED BY:	DATE: 1/30/26	JCN:
APPROVAL (FINISHES)	DRAWN: N.REED	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-M102	SHEET # 15 OF 27
	CHECK:			

SCHEDULE OF VARIABLE AIR VOLUME UNITS (VAVs)											
	BASIS OF DESIGN							ELECTRICAL CHARACTERISTICS			
TAG	MANUFACTURER	MODEL #	SIZE	CFM DESIGN	CFM MINIMUM	EAT (°F)	LAT (°F)	HEATING CAPACITY (kW)	VOLTAGE/PHASE	MCA/MOP	NOTES
VAV-203A	METALAIRE	TH-500	12	1900	570	55	85	5.5	208/3	19.08/20.00	1,2,3
VAV-203B			12	1900	570	55	85	5.5		19.08/20.00	1,2,3
VAV-203C			12	1900	570	55	85	5.5		19.08/20.00	1,2,3
VAV-205C			8	500	150	55	85	1.5		5.20/15.00	1,2,3
NOTES: 1. MAXIMUM AIR PRESSURE DROP MUST NOT EXCEED 0.2" WC. 2. PROVIDE WITH 1" FOIL-FACED INSULATION 3. PROVIDE WITH HANGER BRACKETS											

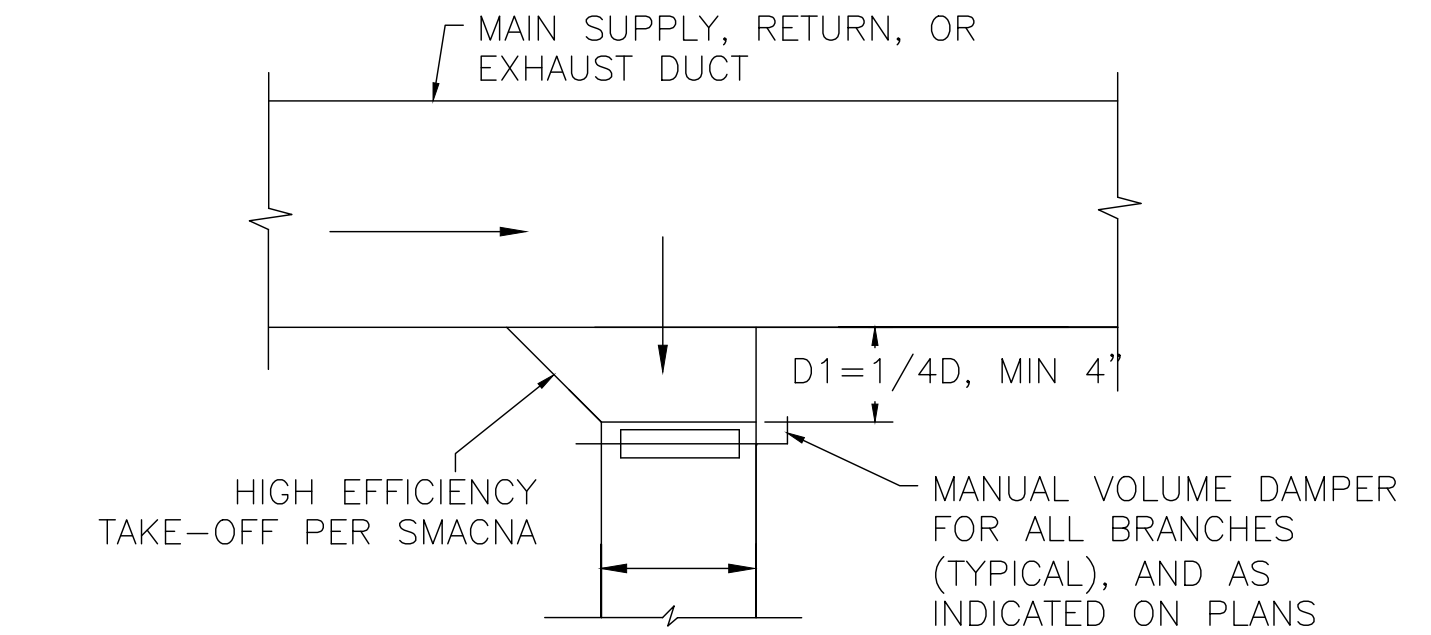
SCHEDULE OF GRILLES, REGISTERS, DIFFUSERS (GRDs)							
	BASIS OF DESIGN						
TAG	MANUFACTURER	MODEL #	TYPE	NOMINAL CFM	NECK SIZE	PANEL SIZE	NOTES
S-1	TITUS	OMNI	SUPPLY DIFFUSER	327	10"ø	24" X 24"	1,2,3
S-2	TITUS	OMNI	SUPPLY DIFFUSER	175	8"ø		1,2,3
R-1	TITUS	PAR	RETURN AIR	1008	22" X 22"		1,2,3,4
NOTES: 1. MAXIMUM AIR PRESSURE DROP MUST NOT EXCEED 0.1" WC. 2. CONTRACTOR SHALL VERIFY QUANTITY PRIOR TO ORDER. 3. MAXIMUM NC (NOISE CRITERIA) MUST NOT EXCEED 13. 4. INCLUDE PLENUM RETURN GRILLE BOOT							



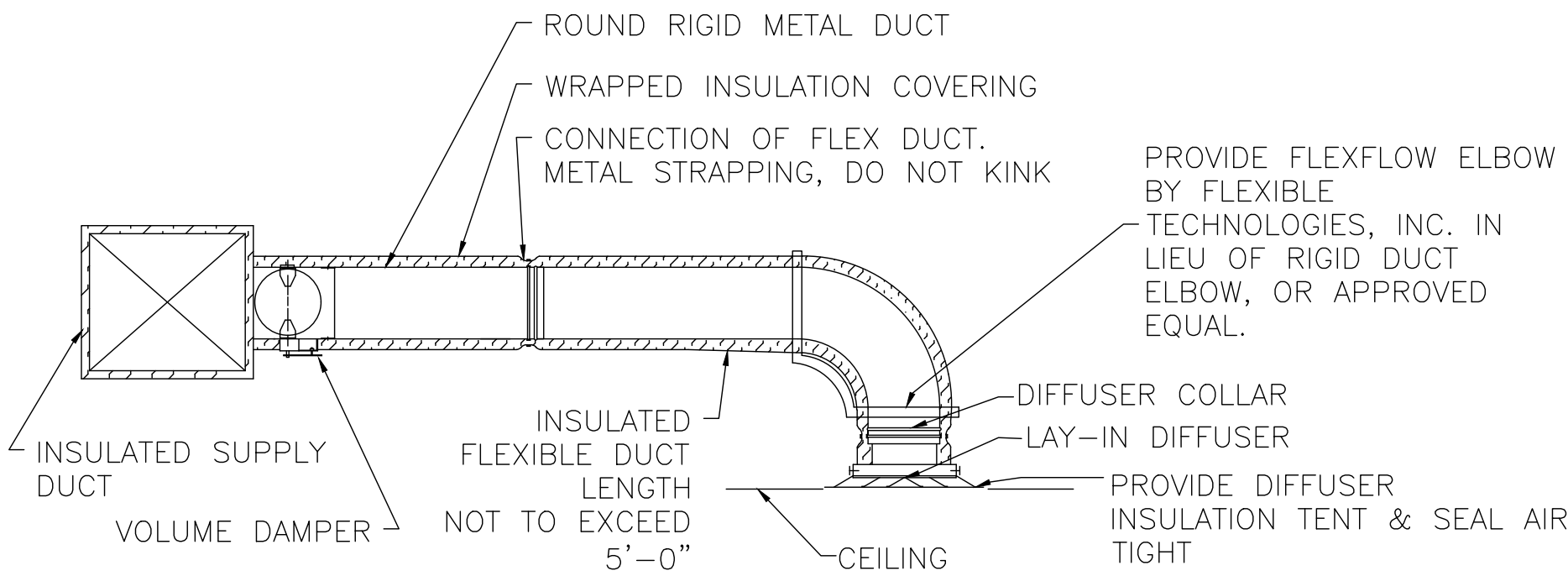
PLENUM RETURN GRILLE BOOT DETAIL
NTS



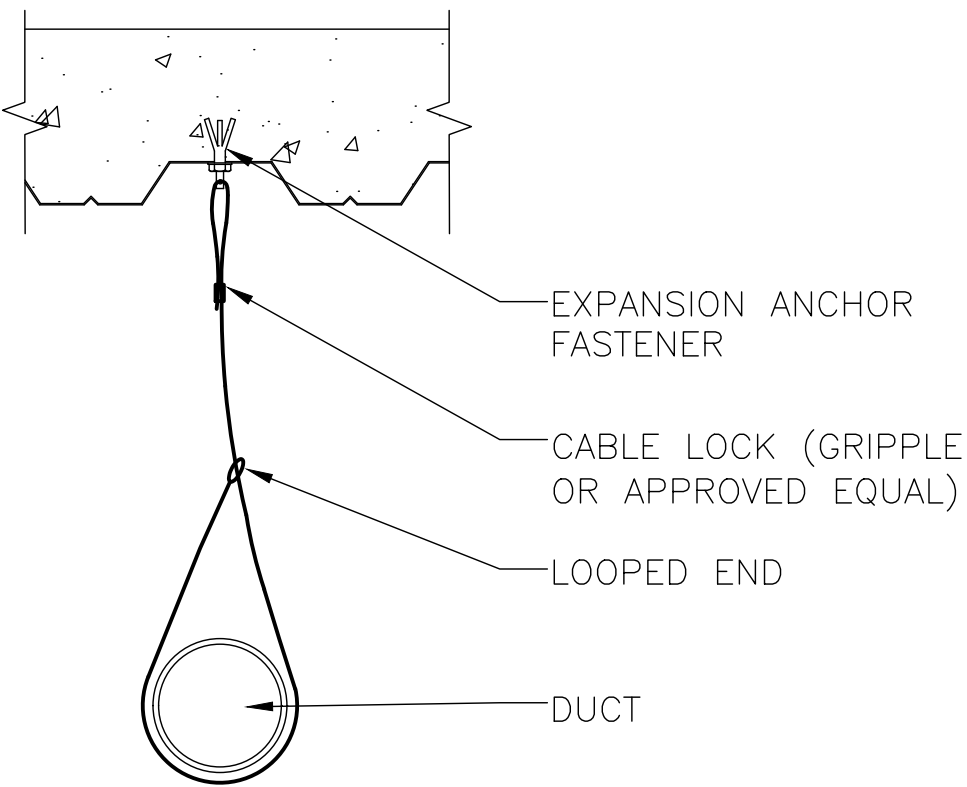
CEILING MOUNTED VAV W/ ELECTRIC RE-HEAT DETAIL
NTS



DUCT BRANCH CONNECTION DETAIL
NTS



CEILING DIFFUSER DUCT CONNECTION DETAIL
NTS



SPIRAL DUCT SUPPORT HANGER DETAIL
NTS

R4					
R3					
R2					
R1					
REV	DATE	DESCRIPTION	CHECK	APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
CAFETERIA RENOVATION MULTIPURPOSE RM					301
MECHANICAL SCHEDULE & DETAILS					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
	SUBMITTED		APPROVED		
	DESIGN: N.REED	ISSUED BY:	DATE: 1/30/26	JCN:	
APPROVAL (FINISHES)	DRAWN: N.REED	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-M901	SHEET #	
	CHECK:			16 OF 27	

EXISTING AHU-401 SEQUENCE OF OPERATIONS MODIFICATION

GENERAL
DISCHARGE TEMPERATURE RESET

1. THE UNIT DISCHARGE TARGET WILL BE RESET FROM A MINIMUM VALUE 55 °F (ADJ.) TO A MAXIMUM VALUE 95 °F (ADJ.) TO CONTROL THE RETURN AIR TEMPERATURE TO ITS SETPOINT.
2. IF THE UNITS RETURN AIR TEMPERATURE IS ABOVE 70 °F (ADJ.) THE UNIT’S DISCHARGE TARGET WILL BE RESET DOWNWARD. IF THE UNIT’S RETURN AIR TEMPERATURE IS BELOW 70 °F (ADJ.) THE UNIT’S DISCHARGE TARGET WILL BE RESET UPWARD.

OCCUPIED MODE

1. WHEN THE UNIT IS IN ITS OCCUPIED MODE IT WILL RUN CONTINUOUSLY AND CONTROL THE RETURN AIR TEMPERATURE TO ITS SETPOINT.

UNOCCUPIED MODE

1. WHEN THE UNIT IS IN ITS UNOCCUPIED MODE IT WILL CONTROL ITS ASSOCIATED SPACES TO ITS UNOCCUPIED HEATING OR COOLING SETPOINT. DURING ITS UNOCCUPIED MODE THE UNIT WILL BE DEACTIVATED. IF ANY OF THE UNITS ASSOCIATED SPACE TEMPERATURES ARE NOT WITHIN THEIR UNOCCUPIED SPACE TEMPERATURE SETPOINTS THE UNIT WILL BE ACTIVATED TO CONTROL THE SPACES TO THEIR UNOCCUPIED SETPOINTS.
2. THE OUTSIDE AIR DAMPER WILL MODULATE TO MAINTAIN MINIMUM OUTSIDE AIR REQUIREMENTS. THE RELIEF AIR DAMPERS WILL BE CLOSED AND THE RETURN AIR DAMPERS WILL BE OPEN ON BOTH UNITS.

DEHUMIDIFICATION MODE

1. THE UNIT WILL ENTER DEHUMIDIFICATION MODE WHEN THE AVERAGE SPACE, AS POLLED FROM VAVS 203A, 203B, & 203C, HUMIDITY EXCEEDS 65% RH (ADJ.).
2. WHEN THE UNIT IS IN DEHUMIDIFICATION MODE REDUCE THE DISCHARGE TARGET TO A MINIMUM OF 55°F (ADJ.).
3. EXIT DEHUMIDIFICATION MODE AFTER MAINTAINING A 58 RH% AVERAGE IN ROOM 201 FOR 3 MINUTES. THE DISCHARGE SETPOINT SHALL MODULATE BACK TO TYPICAL OPERATION.

FREEZESTAT AND FIRE

1. THE UNIT WILL BE HARDWIRED TO SHUTDOWN IF A FREEZESTAT OR FIRE CONDITION OCCURS. SUPPLY & RETURN FANS
2. THE SUPPLY & RETURN FANS WILL BE COMMANDED TO RUN CONTINUOUSLY WHEN THE UNIT IS IN ITS OCCUPIED MODE.
3. THE SUPPLY FAN & RETURN FANS WILL BE HARDWIRED TO SHUTDOWN IF A FREEZESTAT OR FIRE CONDITION OCCURS
4. THE SUPPLY FAN WILL BE HARDWIRED TO SHUTDOWN IF A HIGH OR LOW DUCT STATIC CONDITION OCCURS.
5. THE RETURN FAN WILL BE HARDWIRED TO SHUTDOWN IF A HIGH DUCT STATIC CONDITION OCCURS.

SUPPLY FAN VSD CONTROL

1. THE SUPPLY FAN VARIABLE SPEED DRIVE WILL BE CONTROLLED TO MAINTAIN THE DISCHARGE AIR STATIC PRESSURE TO ITS SETPOINT. DURING THE INITIAL STARTUP THE NORMAL CONTROL SEQUENCE WILL BE OVERRIDDEN AND THE SPEED SIGNAL TO THE VARIABLE SPEED DRIVE WILL SLOWLY INCREASE. THE VSD WILL BE RELEASED TO ITS NORMAL CONTROL SEQUENCE WHEN THE DISCHARGE AIR STATIC PRESSURE IS AT LEAST 90% OF ITS SETPOINT (1.5"W.C., ADJ.).

RETURN FAN VSD CONTROL

1. THE RETURN FAN VARIABLE SPEED DRIVE WILL BE CONTROLLED TO MAINTAIN THE RETURN AIRFLOW TO ITS TARGET. DURING THE INITIAL STARTUP THE NORMAL CONTROL SEQUENCE WILL BE OVERRIDDEN AND THE SPEED SIGNAL TO THE VARIABLE SPEED DRIVE WILL SLOWLY INCREASE. THE VSD WILL BE RELEASED TO ITS NORMAL CONTROL SEQUENCE WHEN THE RETURN AIRFLOW IS AT LEAST 90% OF ITS TARGET. THE RETURN AIRFLOW TARGET WILL BE EQUAL TO THE SUPPLY AIRFLOW MINUS AN ADJUSTABLE OFFSET.

COOLING COIL VALVES

1. THE COOLING COIL VALVES WILL BE HARDWIRED TO OPEN IF A FREEZESTAT CONDITION OCCURS. THE COOLING COIL VALVES WILL BE CLOSED WHEN THE SUPPLY FAN IS NOT ENERGIZED.
2. THE COOLING COIL VALVES WILL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE TO ITS TARGET. ON A RISE IN DISCHARGE AIR TEMPERATURE ABOVE TARGET THE COOLING COIL VALVES WILL MODULATE OPEN. ON A FALL IN DISCHARGE AIR TEMPERATURE BELOW TARGET, THE REVERSE WILL OCCUR. THE COOLING COIL VALVES WILL BE LOCKED-OUT FROM OPENING ANYTIME THE PREHEAT COIL VALVE IS OPEN.

PREHEAT COIL VALVE

1. THE PREHEAT COIL VALVE WILL BE HARDWIRED TO OPEN IF A FREEZESTAT CONDITION OCCURS. THE PREHEAT COIL VALVE WILL BE CLOSED WHEN THE SUPPLY FAN IS NOT ENERGIZED.
2. THE PREHEAT COIL VALVE WILL MODULATE TO MAINTAIN THE PREHEAT DISCHARGE AIR TEMPERATURE TO ITS TARGET. ON A RISE IN PREHEAT DISCHARGE AIR TEMPERATURE ABOVE TARGET THE PREHEAT COIL VALVE WILL MODULATE CLOSE. ON A FALL IN PREHEAT DISCHARGE AIR TEMPERATURE BELOW TARGET, THE REVERSE WILL OCCUR. THE PREHEAT COIL VALVE WILL BE LOCKED-OUT FROM OPENING ANYTIME THE COOLING VALVE IS OPEN.
3. THE PREHEAT DISCHARGE TARGET WILL BE EQUAL TO THE UNIT DISCHARGE TARGET MINUS 2 DEGREES.

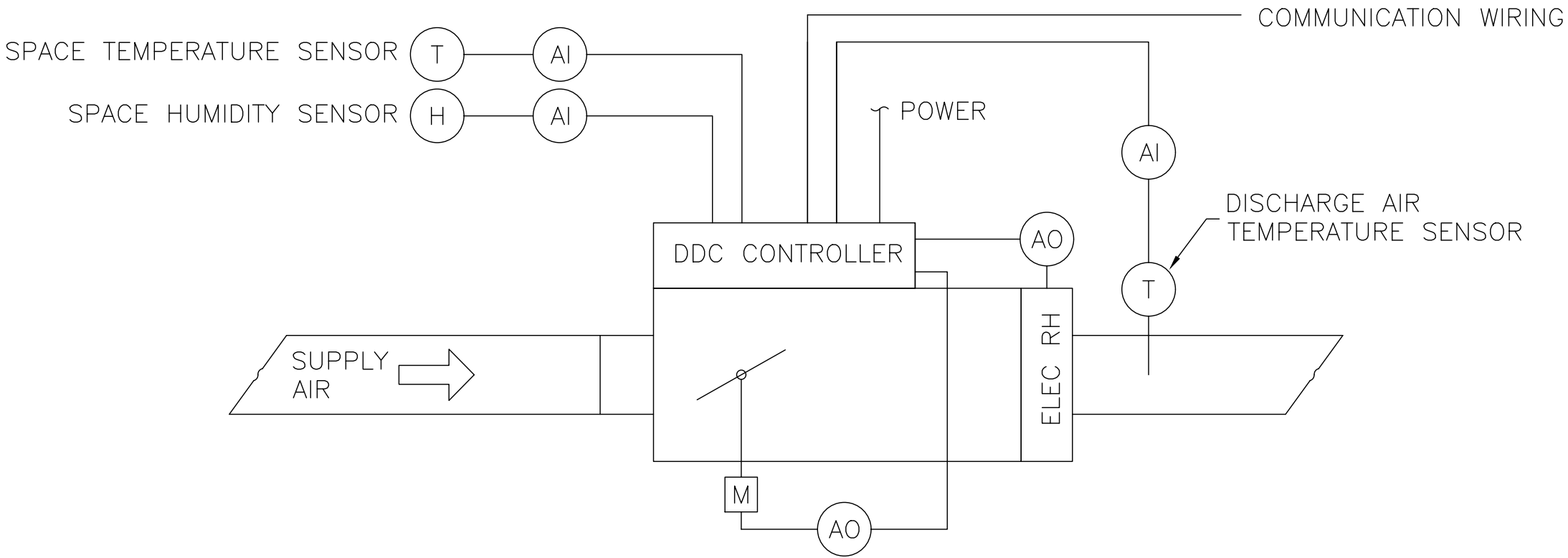
ECONOMIZER DAMPERS (OUTDOOR, RETURN, & RELIEF)

1. THE ECONOMIZER DAMPERS WILL MODULATE TO MAINTAIN OUTDOOR AIRFLOW AT OR ABOVE ITS MINIMUM SETPOINT. WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW THE RETURN AIR TEMPERATURE, THE OUTDOOR AIR ENTHALPY IS BELOW THE OUTDOOR AIR ENTHALPY SETPOINT OF 27 BTULB/HR (ADJ) AND THE OUTDOOR AIR IS LESS THAN OUTDOOR AIR ECONOMIZER SETPOINT OF 70 DEGREES (ADJ), THE ECONOMIZER DAMPERS WILL MODULATE TO CONTROL THE MIXED AIR TEMPERATURE TO ITS TARGET. THE MIXED AIR TARGET WILL BE EQUAL TO THE PREHEAT TARGET.

MTW BOOSTER PUMPS

1. THE BOOSTER PUMPS WILL BE COMMANDED TO RUN WHENEVER THE PREHEAT VALVE IS OPEN. MECHANICAL ROOM DAMPER
2. THE MECHANICAL ROOM DAMPER WILL MODULATE IN TANDEM WITH THE RELIEF AIR DAMPER TO PROVIDE AIR TO THE MECHANICAL ROOM.

THE BOXED PORTION OF THE SEQUENCE HAS BEEN MODIFIED



VAV UNIT CONTROL DIAGRAM

NTS

VARIABLE AIR VOLUME (VAV) BOX SEQUENCE OF OPERATIONS

GENERAL

1. ALL VAVS SHALL BE INTEGRATED INTO THE BAS AND INDEXED FROM THE OCCUPIED/UNOCCUPIED SCHEDULE ASSOCIATED WITH THE AIR HANDLER IT IS BEING SERVED BY (AHU-401.)
2. ALL VAVS SHALL MAINTAIN A SPACE COOLING SETPOINT OF 72°F (ADJ.) AND A HEATING SETPOINT OF 68°F (ADJ.)
 - a. ON A RISE IN ROOM TEMPERATURE ABOVE THE COOLING SETPOINT, THE VAV CONTROLLER SHALL MODULATE THE DAMPER BETWEEN MINIMUM AND DESIGN (MAXIMUM) AIRFLOW TO MAINTAIN COOLING SETPOINT.
 - b. ON A DROP IN ROOM TEMPERATURE BELOW HEATING SETPOINT, THE VAV CONTROLLER SHALL MODULATE THE DAMPER TOWARDS ITS MINIMUM CFM SETPOINT AND INCREASE DISCHARGE AIR TEMP BY MODULATING THE SCR-CONTROLLED ELECTRIC REHEATING COIL.
 - c. SPACE HUMIDISTS WILL REPORT TO THE BAS. IF THE AVERAGE SPACE HUMIDITY, AS POLED FROM VAVS 203A, 203B, & 203C, EXCEEDS 65% RH (ADJ.), AN ALARM SHALL BE SENT TO THE BAS.
 - d. IF THIS ALARM OCCURS, AHU-401 AND ALL VAVS SHALL ENTER DEHUMIDIFICATION MODE.

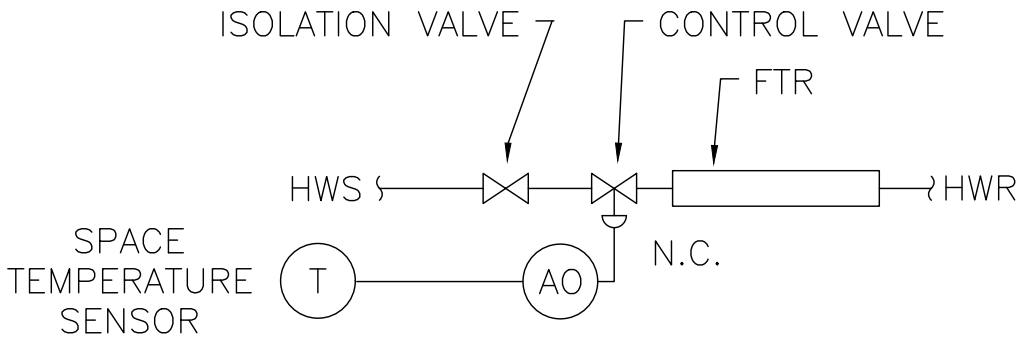
VAV DEHUMIDIFICATION MODE

1. MAINTAIN SPACE TEMPERATURE OF 72°F (ADJ.) BY MODULATING THE SCR-CONTROLLED ELECTRIC REHEATING COIL
2. EXIT DEHUMIDIFICATION MODE AFTER MAINTAINING AN AVERAGE OF 58 RH%, AS POLLED FROM VAVS 203A, 203B, & 203C, FOR 3 MINUTES.

VAV POINTS LIST

PROVIDE THE FOLLOWING POINTS FOR PROGRAMMING INTO THE BAS & SKYSPARK: FOR VAVS 203A, 203B, 203C & 205C:

1. AIR FLOW
2. AIR FLOW SETPOINT
3. DAMPER POSITION
4. REHEAT ENABLED/DIABLED
5. REHEAT POSITION (%)
6. SPACE TEMPERATURE
7. SPACE TEMPERATURE SETPOINT
8. SPACE RELATIVE HUMIDITY
9. ROOM TEMPERATURE COOLING SETPOINT
10. ROOM TEMPERATURE HEATING SETPOINT
11. DISCHARGE AIR TEMPERATURE



FIN TUBE RADIATION CONTROL DIAGRAM

NTS

FIN TUBE RADIATION (FTR) SEQUENCE OF OPERATIONS

GENERAL

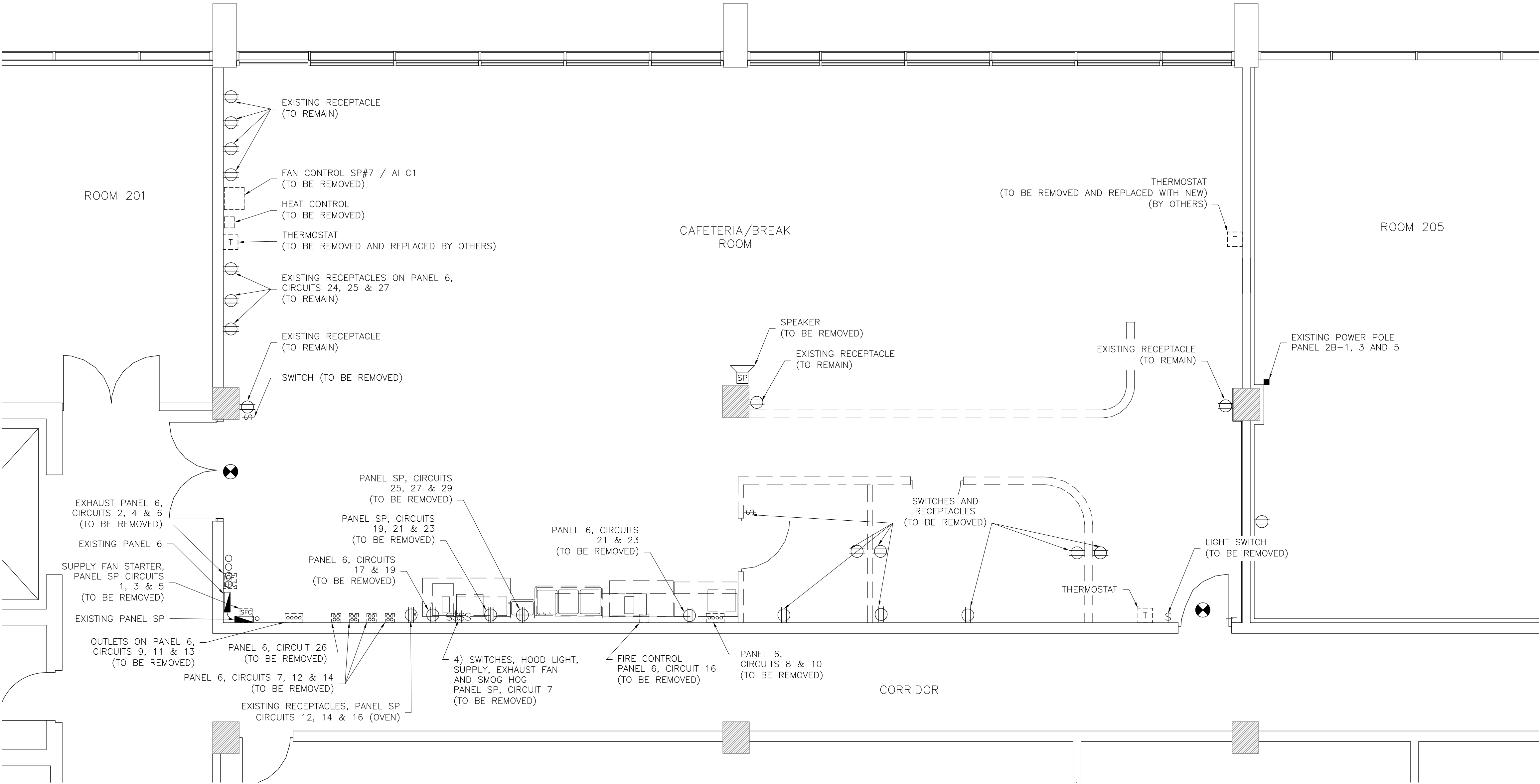
1. WHEN THE SPACE TEMPERATURE DROPS AND REMAINS BELOW THE ROOM HEATING SET POINT FOR LONGER THAN 5 MINUTES (ADJ.), THE HOT WATER CONTROL VALVE SHALL MODULATE OPEN TO MEET THE SPACE TEMPERATURE SET POINT. WHEN SPACE TEMPERATURE IS SATISFIED, THE CONTROL VALVE SHALL CLOSE.

VAV POINTS LIST

PROVIDE THE FOLLOWING POINTS FOR PROGRAMMING INTO THE BAS & SKYSPARK: FOR ALL FINNED TUBE SECTIONS:

1. HOT WATER VALVE STATUS
2. HOT WATER VALVE PERCENT OPEN (%)

R4				
R3				
R2				
R1				
REV	DATE	DESCRIPTION	CHECK	APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405				
CAFETERIA RENOVATION MULTIPURPOSE RM				301
MECHANICAL CONTROLS				
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE
		SUBMITTED	APPROVED	
	DESIGN: N.REED	ISSUED BY:	DATE: 1/30/26	JCN:
APPROVAL (FINISHES)	DRAWN: N.REED	CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-M902	SHEET # 17 OF 27
	CHECK:			



NOTE: EXISTING ELECTRICAL OUTLETS INSTALLED INSIDE CMU BLOCKS TO BE WIRE NUTTED AND COVERED WITH A BLANK PLATE.

ELECTRICAL 2ND FL DEMOLITION PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. REMOVE ALL OUTLETS WITH THEIR WIRE AND CONDUIT BACK TO CIRCUIT BREAKER PANEL PER THIS DRAWING.
2. REMOVE POWER, CONDUIT AND WIRING TO SUPPLY AND EXHAUST FANS AND REMOVE TWO MOTOR STARTERS.
3. REMOVE ALL POWER, CONDUIT AND WIRE TO THE EXHAUST HOOD, FIRE SUPPRESSION SYSTEM AND ALL LIGHT SWITCHERS.
4. REMOVE ALL OUTLETS IN BLOCK WALL SAFE OFF AND COVER WITH A BLANK PLATE.
5. OUTLETS TO REMAIN ARE INDICATED ON DRAWING ALL OTHER OUTLETS MUST BE REMOVED.
6. REMOVE SPEAKER AND WIRING BACK TO SOURCE.
7. REMAINING OUTLETS ARE TO BE TESTED, TRACED OUT AND LABELED. THEY ALSO MUST MATCH THE NEW OUTLETS BEING INSTALLED.
8. NO MC CABLE LONGER THAN 6'.

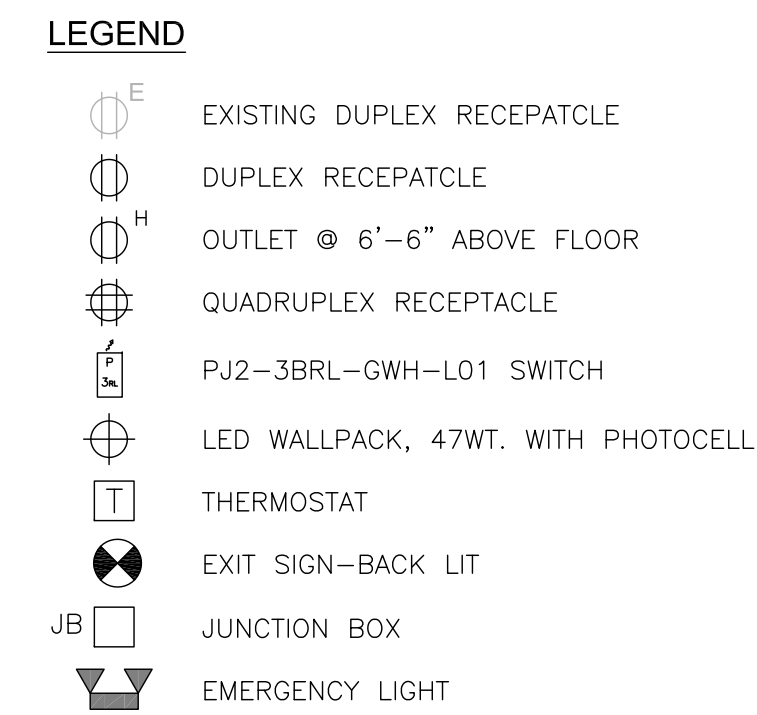
LEGEND

- ⊕ - 120V, OUTLET
- \$ - SINGLE POLE SWITCH
- T - THERMOSTAT
- ⊗ - EXIT SIGN-BACK LIT

PANEL SP - 100 AMP / 208V / 3 PHASE											
CIRCUIT #	SERVICE	BREAKER			FEEDER	FEEDER	BREAKER			SERVICE	CIRCUIT #
		TRIP	FRAME	POLES			POLES	FRAME	TRIP		
1	SUPPLY FAN	20		3			3		100	MAIN BREAKER	2
3		20		3			3		100		4
5		20		3			3		100		6
7	SMOG HOG SWITCH	20		3						BLANK	8
9		50		3			3		20	HOOD LIGHT SWITCH	10
11		50		3			3		40	OVEN	12
13		50		3			3		40		14
15	BLANK	50		3			3		40		16
17										BLANK	18
19		30		3						BLANK	20
21	FRYER OUTLET	30		3						BLANK	22
23	GRILL OUTLET	30		3						BLANK	24
25		30		3						BLANK	
27		30		3						BLANK	
29		30		3						BLANK	

PANEL 6 - 100 AMP / 208V / 3 PHASE											
CIRCUIT #	SERVICE	BREAKER			FEEDER	FEEDER	BREAKER			SERVICE	CIRCUIT #
		TRIP	FRAME	POLES			POLES	FRAME	TRIP		
									100	MAIN BREAKER	
									100		
									100		
1	PANEL SP MAIN			3			3		20	EXHAUST FAN HOOD	2
3		100		3			3		20		4
5				3			3		20		6
7	OUTLET	20		3			3		20	OUTLET	8
9	OUTLET	20		3			3		20	OUTLET	10
11	OUTLET	20		3			3		20	OUTLET	12
13	OUTLET	20		3			3		20	OUTLET	14
15	EQUIP. OUTLET	20		3			3		20	HORN	16
17				3			3		20	WALL OUTLETS	18
19		60		3			3		20		20
21	OUTLET			3			3		20		22
23		30		3			3		20	OUTLET	24
25		20		3			3		20	OUTLET	26
27	OUTLET	20		3			3		20	OUTLET	28
29	ALARM	20		3			3		20		30

REV	DATE	DESCRIPTION	CHECK	APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					301
ELECTRICAL 2ND FLOOR DEMOLITION PLAN					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
	MERCED O		(Typed Name of ANG-E Supervisor)		
	DESIGN: RAGUSA M		DATE: 01/30/2026 JCN:		
APPROVAL (FINISHES)	DRAWN: HOATSON	ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-E101		SHEET # 18 OF 27
	CHECK:				



MULTIPURPOSE ROOM

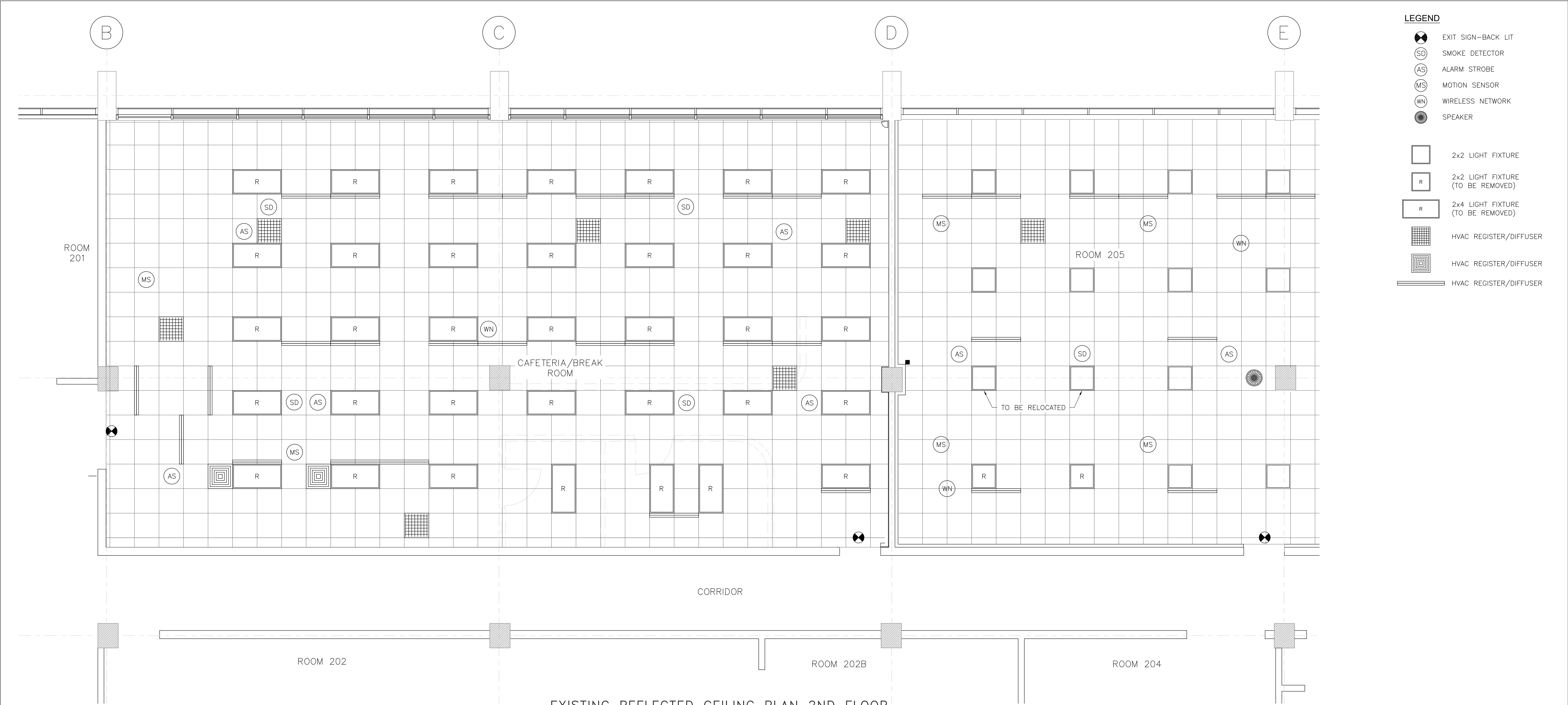
1. INSTALL SEVEN 20-AMP CIRCUITS TO FOURTEEN 20-AMP DUPLEX OUTLETS AND ONE QUADPLEX OUTLET. SIX DUPLEX OUTLETS MUST BE AT 6'6".
2. INSTALL TWO 3 PHASE 208 VOLT 20-AMP CIRCUITS TO JUNCTION BOXES JB1&JB2 FOR FLOOR CONNECTRAC FLEX RACEWAY SYSTEM. INSTALL PER MANUFACTURES INSTRUCTIONS.
3. NO MC CABLE LONGER THAN 6'.

BREAK ROOM

1. INSTALL FOUR 20-AMP CIRCUITS TO EIGHT 20-AMP 120-VOLT DUPLEX OUTLETS, TWO MUST BE AT 6'6" AND TWO MUST BE GFI.
2. RUN A 40-AMP 208-VOLT SINGLE CIRCUIT TO THE INSTA HOT WATER UNIT.
3. ALL CIRCUITS FED FROM PANELS SP AND 6.
4. INSTALL THREE EMERGENCY LIGHTS AND THREE BACKLIT EXIT SIGNS.

PANEL 6 -- 100 AMP / 208V / 3 PHASE											
CIRCUIT #	SERVICE	BREAKER			FEEDER	FEEDER	BREAKER			SERVICE	CIRCUIT #
		TRIP	FRAME	POLES			POLES	FRAME	TRIP		
									100	MAIN BREAKER	
									100		
									100		
1				3			3		20	VAV 203--A	2
3	PANEL SP MAIN	100		3			3		20		4
5				3			3		20		6
7	OUTLET SIDE WALL TV	20		1			1		20	BREAK ROOM / REFRIDGE	8
9	FRONT WALL OUTLETS	20		1			1		20	BREAK ROOM OUTLETS	10
11	SIDE WALL OUTLETS	20		1			1		20	GFI BREAK ROOM	12
13	SPARE	20		2			1		20	MICROWAVE	14
15	FRONT WALL TV	20		2			1		20	MONITOR EQUIP.	16
17	IT CLOSET	20		2			1		20	WALL OUTLETS	18
19	IT CLOSET	20		2			1		20	SPARE	20
21		40		2			1		20	SPARE	22
23	INSTA HOT	40		2			1		20	SPARE	24
25	OUTLET	20		1			1		20	SPARE	26
27	OUTLET	20		1			1		20	OUTLET	28
29	ALARM	20		1			1		20		30

REV	DATE	DESCRIPTION			CHECK APR'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					301
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
ELECTRICAL FLOOR PLAN 2ND FLOOR (PROPOSED)					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: RAGUSA M		DATE: 01/30/2026	JCN:
APPROVAL (FINISHES)		DRAWN: HOATSON	CENTER OPERATIONS DIVISION	DRAWING NO.	SHEET #
		CHECK:	ANG-E-3	2025009-E102	19 OF 27



LEGEND

EXIT SIGN-BACK LIT

SMOKE DETECTOR

ALARM STROBE

MOTION SENSOR

WIRELESS NETWORK

SPEAKER

2x2 LIGHT FIXTURE

2x2 LIGHT FIXTURE
(TO BE REMOVED)

2x4 LIGHT FIXTURE
(TO BE REMOVED)

HVAC REGISTER/DIFFUSER

HVAC REGISTER/DIFFUSER

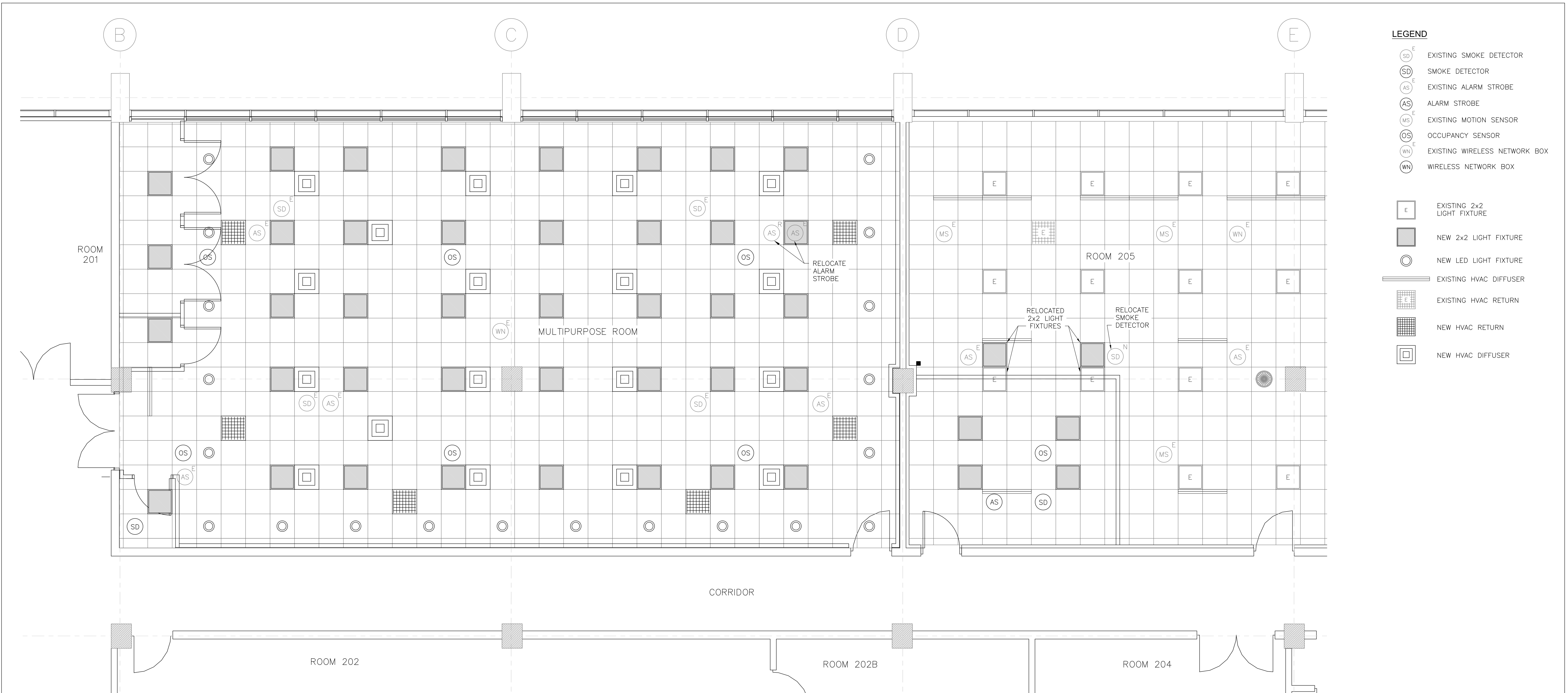
HVAC REGISTER/DIFFUSER

GENERAL NOTES:

- REMOVE THIRTY-SIX 2X4 FLUORESCENT LIGHTS, SAFE OFF WIRING FOR FUTURE USE.
- DISCONNECT POWER TO POWER POLE AND SAFE OFF FOR FUTURE USE ROOM 205.
- RELOCATE TWO 2X2 LIGHT IN ROOM 205.
- REMOVE TWO 2X2 LIGHTS IN ROOM 205 AND RETURN TO GOVERNMENT.
- REMOVE ALL EXISTING MOTION SENSORS IN CAFETERIA.
- ALL ELECTRICAL DEMOS MUST BE COORDINATED WITH OTHER DISCIPLINES IN A TIMELY MANNER.

NOTE:
EXISTING SMOKE, HEAT AND OTHER DETECTORS
SHALL BE FASTENED TO NEW CEILING AND
TESTED PRIOR TO OCCUPANCY. RELOCATE AS
REQUIRED WHERE THEY INTERFERE WITH NEW
CONSTRUCTION.

REV	DATE	DESCRIPTION	CHECK	APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					301
REFLECTED CEILING PLAN 2ND FLOOR (EXISTING DEMOLITION)					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
	MERCED O		(Typed Name of ANG-E Supervisor)		
	DESIGN: RAGUSA M		DATE: 01/30/2026 JCN:		
APPROVAL (FINISHES)	DRAWN: HOATSON	ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO.	SHEET #	
	CHECK:		2025009-E103	20 OF 27	



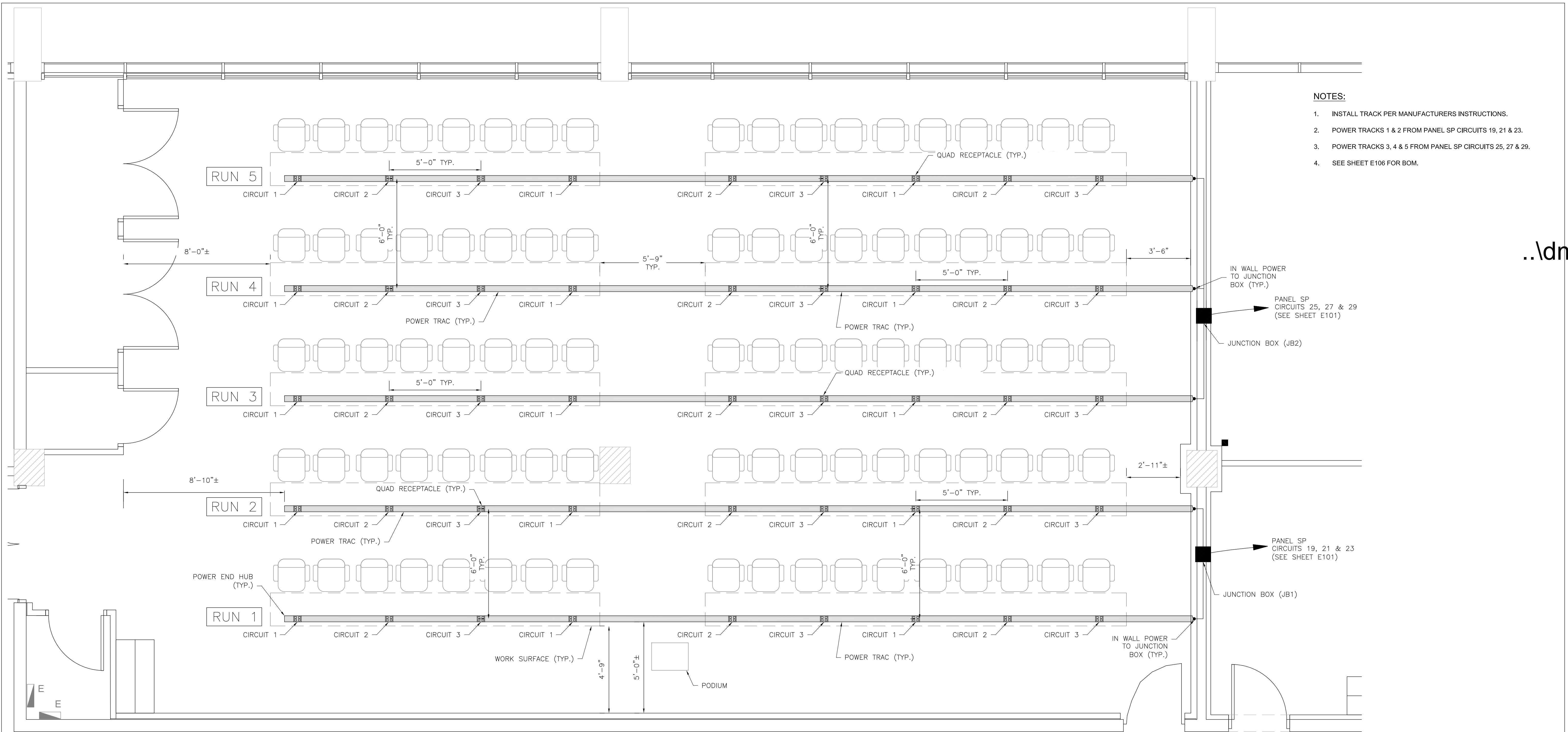
PROPOSED REFLECTED CEILING PLAN 2ND FLOOR
SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. INSTALL 43 2X2 FLAT PANEL LED FLAT PANEL DAYBRITE PQ22D1ST93520QDE LIGHTS OR APPROVED EQUAL.
2. INSTALL 20 DOWNLIGHTS LIGHTOLIER C2RDL09935FLUPZU CA2RSYM C2RDLWH OR APPROVED EQUAL.
3. INSTALL LIGHTING AND SHADE CONTROL SYSTEM PER DRAWING E106.
4. CONNECT NEW VIVE HUB AND EXISTING HUB IN WORKPLACE AREA TO FIBER SYSTEM IN IT CLOSET. INSTALL A MEDIA CONVERTER IN IT CLOSET AND RUN CAT6 TO EACH HUB.
5. SYSTEM MUST CONNECT TO EXISTING QUANTUM ENTERPRISE VUE SERVER.
6. LUTRON CONTRACT ROLLER IS THE BASIS OF DESIGN; EC IS RESPONSIBLE FOR LOW VOLTAGE SHADE WIRE FROM CONTROLLER IN ELECTRICAL CLOSET TO INDIVIDUAL SHADE DRIVES.
7. SHADE CONTROLS MUST MATCH LUTRON VIVE PICO CONTROL OR BE MOUNTED WITH IN THE SAME FACE PLATE, SEE DETAIL.
8. CONTRACTOR TO ADD ONE ADDITIONAL PROGRAMMING DAY TO ADD EXISTING VIVE HUBS IN ROOM 205 TO EXISTING QUANTUM ENTERPRISE VUE PLATFORM.
9. INSTALL ENGRAVED LIGHTING AND SHADE CONTROL PER DRAWINGS E106.

NOTE:
EXISTING SMOKE, HEAT AND OTHER DETECTORS SHALL BE FASTENED TO NEW CEILING AND TESTED PRIOR TO OCCUPANCY. RELOCATE AS REQUIRED WHERE THEY INTERFERE WITH NEW CONSTRUCTION.

REV	DATE	DESCRIPTION	CHECK	APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					301
REFLECTED CEILING PLAN (PROPOSED)					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
	MERCED O		(Typed Name of ANG-E Supervisor)		
	DESIGN: RAGUSA M	ISSUED BY:	DATE: 01/30/2026	JCN:	
APPROVAL (FINISHES)	DRAWN: HOATSON	CENTER OPERATIONS DIVISION	DRAWING NO.		SHEET #
	CHECK:	ANG-E3	2025009-E104		21 OF 27



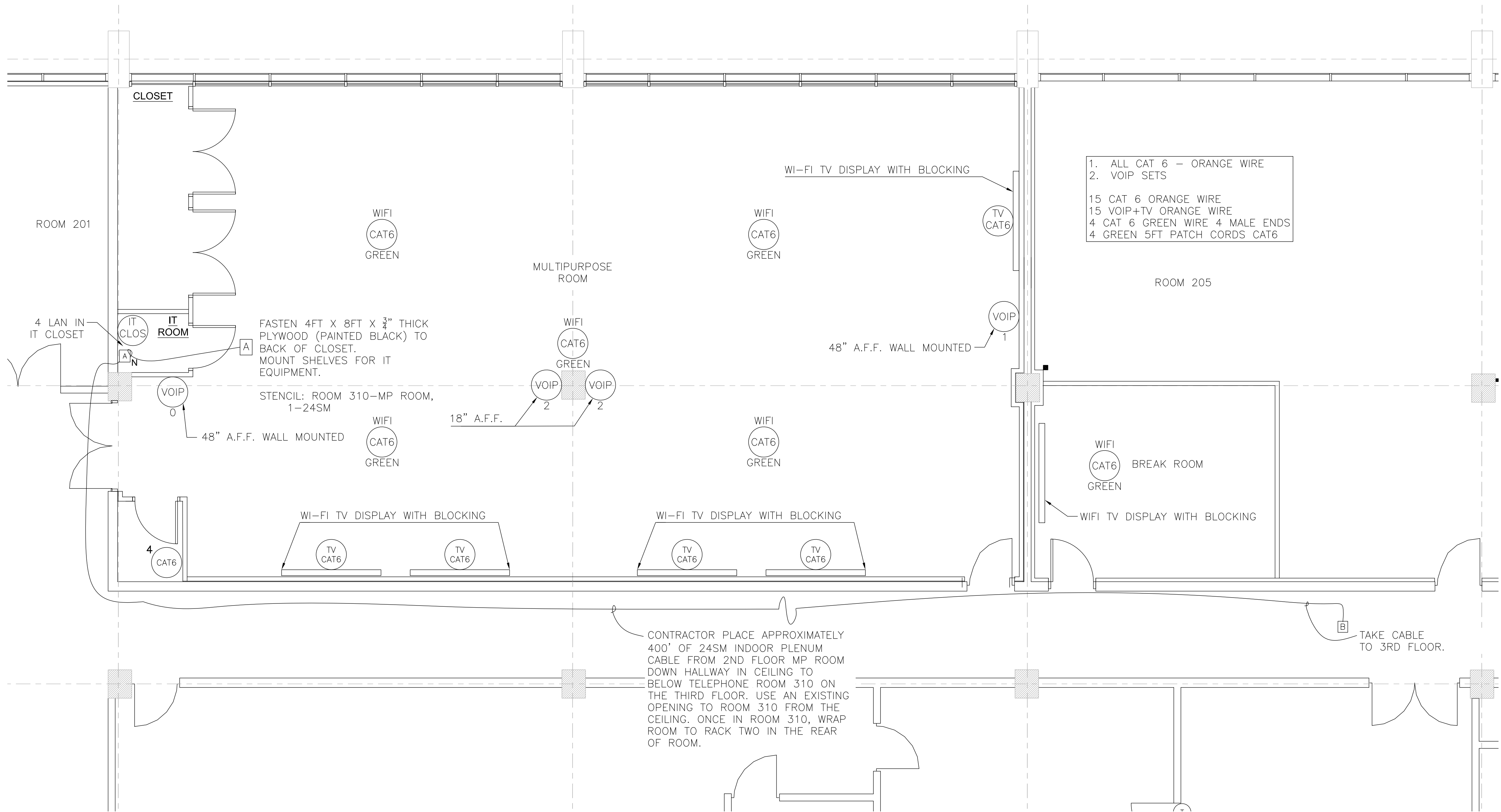
- NOTES:
1. INSTALL TRACK PER MANUFACTURERS INSTRUCTIONS.
 2. POWER TRACKS 1 & 2 FROM PANEL SP CIRCUITS 19, 21 & 23.
 3. POWER TRACKS 3, 4 & 5 FROM PANEL SP CIRCUITS 25, 27 & 29.
 4. SEE SHEET E106 FOR BOM.

..\dm

POWER LAYOUT 2ND FLOOR PLAN
SCALE: 3/8"=1'-0"

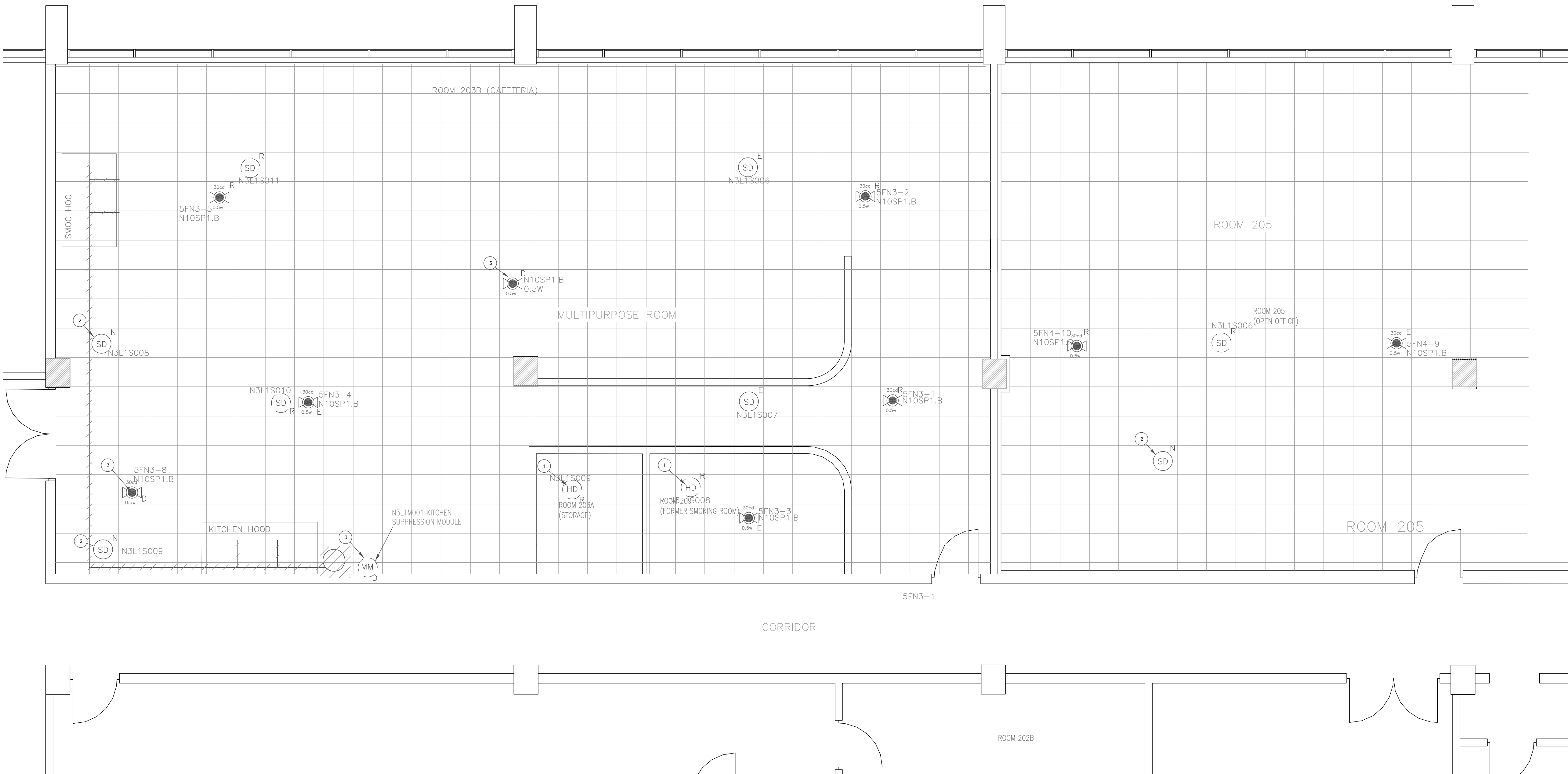
NOTE:
SEE SHEET E105 FOR CONNECTRAC FLEX SYSTEM
INSTALLATION SCHEDULES AND DETAILS.

REV	DATE	DESCRIPTION			CHECK APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					301
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
POWER LAYOUT 2ND FLOOR PLAN (NEW)					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY DATE
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: RAGUSA M		DATE: 01/30/2026 JCN:	
APPROVAL (FINISHES)	DRAWN: HOATSON		ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO.	
	CHECK:			2025009-E105	
				SHEET # 22 OF 27	



COMMUNICATIONS PLAN 2ND FLOOR
SCALE: 1/4"=1'-0'

REV	DATE	DESCRIPTION	CHECK	APRV'D	
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					301
COMMUNICATIONS LAYOUT PLAN (PROPOSED)					
REVIEWED BY	SUBMITTED BY	DATE	APPROVED BY	DATE	
	MERCED O		(Typed Name of ANG-E Supervisor)		
	DESIGN:		DATE: 01/30/2026	JCN:	
APPROVAL (FINISHES)	DRAWN: HOATSON	ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DRAWING NO. 2025009-E301	SHEET # 25 OF 27	
	CHECK:				



- LEGEND
- Horn Strobe (Demo)
 - Horn Strobe (Relocate)
 - Horn Strobe (Existing)
 - Smoke Detector (New)
 - Smoke Detector (Existing)
 - Smoke Detector (Relocate)
 - Heat Detector (Relocate)
 - Monitor Module (Demo)

Notes:

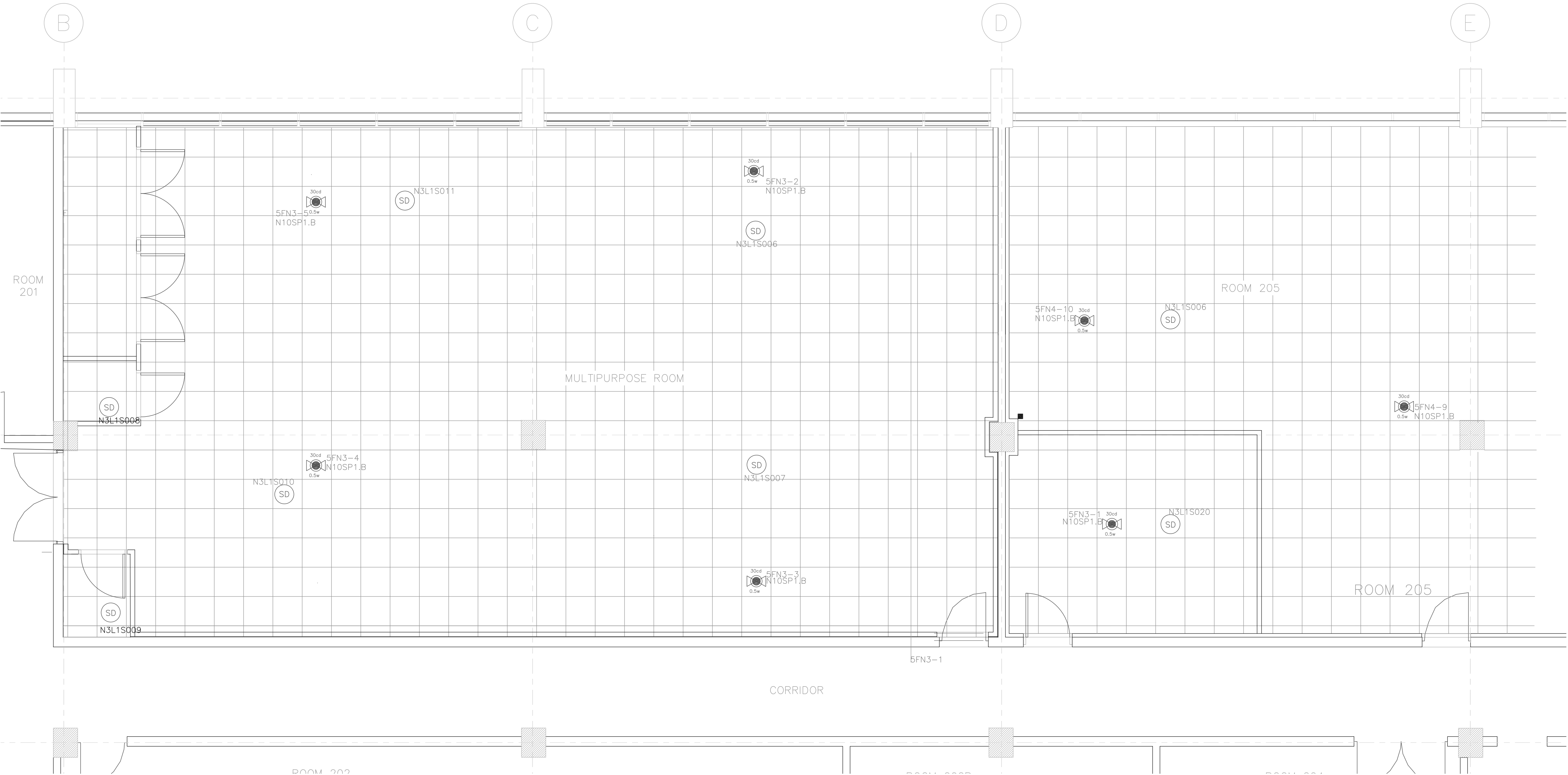
1.Heat detectors are relocated for address label and then changed to Smoke Detectors

2.New Addressable Smoke Detectors will require programming

3.Demo Devices will need programming out of fire alarm system.

Note: Refer to Electrical and Mechanical Drawings for Layouts.

REV	DATE	DESCRIPTION			CHECK	APRVD
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405						
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					301	
DEMO FIRE DETECTION						
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY	DATE
		MERCED O			(Typed Name of ANG-E Supervisor)	
		DESIGN: KING		ISSUED BY: CENTER OPERATIONS DIVISION ANG-E3	DATE: 05/22/2025 JCN:	
APPROVAL (FINISHES)		DRAWN: HOATSON			DRAWING NO.	
		CHECK:			2025009-F101	
					SHEET #	
					26 OF 27	



LEGEND

-  Horn Strobe
-  Smoke Detector

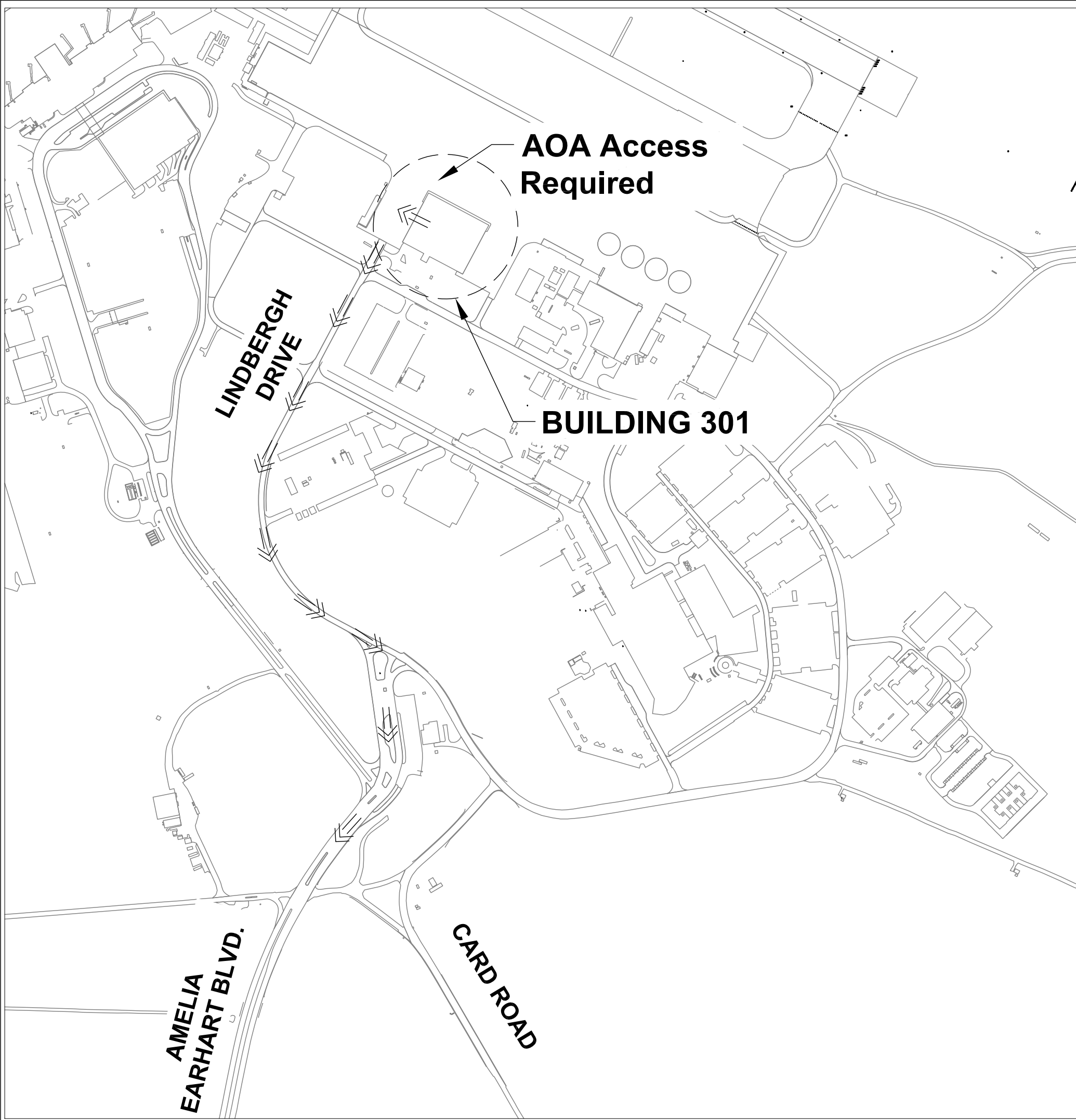
Note: Refer to Electrical and Mechanical Drawings for Layouts.

Smoke Detector N3L1S020 (Projected Device Number) Needs programming into system as new device.

Smoke Detector N3L1S008, N3L1S009 will need device change in system from heat detector to smoke detector.

Monitoring Module for removed Ansul Suppression System will need programming out.

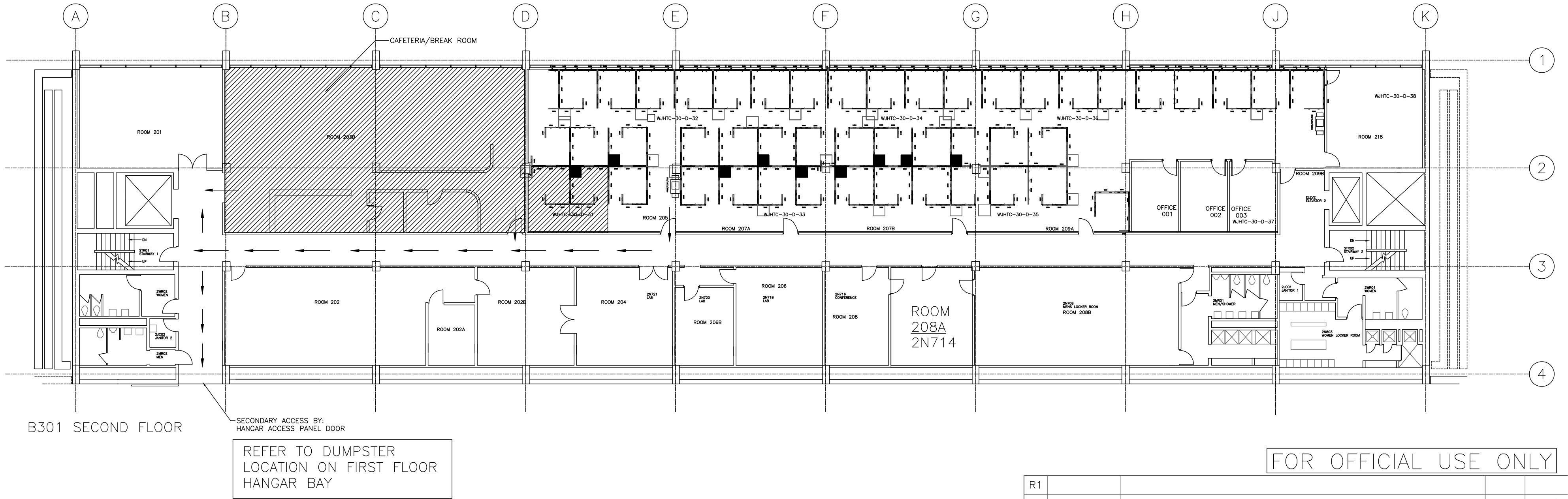
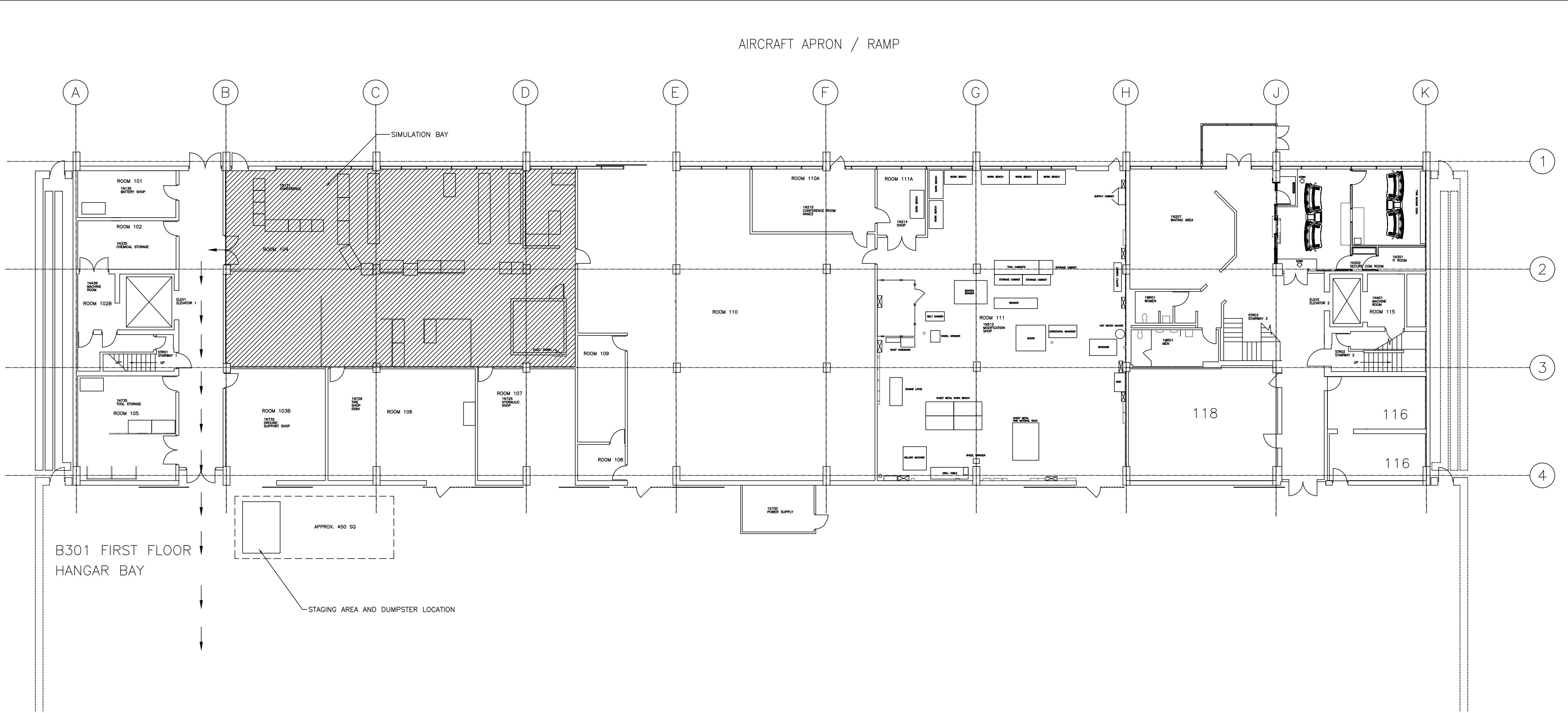
REV	DATE	DESCRIPTION			CHECK APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
					301
B301 CAFETERIA RENOVATION MULTIPURPOSE RM					
PROPOSED FIRE DETECTION					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
		MERCED O		(Typed Name of ANG-E Supervisor)	
		DESIGN: KING		DATE: 05/22/2025 JCN:	
APPROVAL (FINISHES)		DRAWN: HOATSON	ISSUED BY: CENTER OPERATIONS DIVISION ANG-E-3		DRAWING NO. 2025009-F102
		CHECK:			SHEET # 27 OF 27



1 PROJECT LOCATION ROUTE
SCALE: NTS

GENERAL NOTES:

- AOA ACCESS IS REQUIRED TO ACCESS THE DESIGNATED STAGING AREA. THE GOVERNMENT WILL NOT PROVIDE ESCORT SERVICES AT ANY TIME. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL REQUIRED AOA ACCESS CREDENTIALS.
- VEHICLE ACCESS WITHIN THE HANGAR IS LIMITED TO THE TRANSPORTATION OF MATERIALS, EQUIPMENT, AND REMOVAL OF CONSTRUCTION DEBRIS. VEHICLE PARKING INSIDE THE HANGAR IS NOT PERMITTED. THE GOVERNMENT WILL DESIGNATE A PARKING AREA FOR CONTRACTOR VEHICLES FOR THE DURATION OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR MUST PROVIDE AND MAINTAIN ITS OWN DUMPSTER FOR THE COLLECTION AND DISPOSAL OF DEMOLITION DEBRIS, CONSTRUCTION DEBRIS, AND RECYCLABLE MATERIALS.
- THE FAA WILL DESIGNATE A LOCATION WITHIN BUILDING 301 HANGAR BAY FOR PLACEMENT OF DUMPSTERS. DUMPSTERS PLACED OUTSIDE THE DESIGNATED LOCATION MUST BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DAILY CONTROL OF DUST, DEBRIS, AND HOUSEKEEPING WITHIN ALL WORK AND STAGING AREAS DURING BOTH WORKING AND NON-WORKING HOURS.
- DUMPSTERS MUST REMAIN COVERED WHEN NOT IN ACTIVE USE TO PREVENT THE MIGRATION OF DEBRIS AND INTERFERENCE WITH EMPLOYEE CIRCULATION. DUMPSTERS MUST BE EMPTIED AS NECESSARY TO PREVENT OVERFLOW AND MAINTAIN SITE CLEANLINESS.
- ALL EQUIPMENT, MATERIALS, AND SUPPLIES MUST BE STORED WITHIN THE ASSIGNED STAGING AREA UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE QVL TOR.
- MATERIALS STORED IN THE STAGING AREA MUST BE ORGANIZED, SECURED, AND MAINTAINED WITHIN THE BOUNDARIES OF THE ASSIGNED AREA. THE STAGING AREA MUST BE CLEANED DAILY.
- WORK ACTIVITIES MAY BE RESTRICTED ON SELECT DATES DUE TO FAA OPERATIONAL REQUIREMENTS, ANNUAL ACTIVITIES, OR SPECIAL EVENTS. ANY RESTRICTIONS WILL BE COMMUNICATED BY THE QVL TOR.
- THE CONTRACTOR MUST COMPLY WITH ALL REQUIREMENTS IDENTIFIED IN SOW SECTION C.8, ADDITIONAL REQUIREMENTS AND CONSIDERATIONS, INCLUDING PROJECT-SPECIFIC EXPECTATIONS FOR MAINTAINING A SAFE, SECURE, PROFESSIONAL, AND CONTROLLED WORK ENVIRONMENT.



2 ROUTE OF EGRESS AND DUMPSTER LOCATION PLAN
SCALE: 1/16" = 1'-0"

LEGEND:

- ← EGRESS ROUTE TO DUMPSTER
- ≡≡≡ PROJECT EGRESS ROUTE

FOR OFFICIAL USE ONLY					
R1	REV	DATE	DESCRIPTION		CHECK
					APRV'D
UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION WILLIAM J. HUGHES TECHNICAL CENTER ATLANTIC CITY INT'L AIRPORT, N.J. 08405					
B301					
B301 CAFETERIA RENOVATION MULTIPURPOSE ROOM					
SITE, STAGING, & DISPOSAL LOCATION PLAN (addendum)					
REVIEWED BY		SUBMITTED BY		DATE	APPROVED BY
		SUBMITTED		APPROVED	
		DESIGN: JOHNSON J		DATE: 3/18/2024	
		ISSUED BY:		JCN: JCN	
APPROVAL (FINISHES)		DRAWN: JOHNSON J		DRAWING NO.	
		CHECK:		2025009-G0.01	
		CENTER OPERATIONS DIVISION ANG-E3		SHEET #	
				1 OF 1	