



YORK COUNTY PLANNING FACILITY HVAC UPGRADES

18 W LIBERTY ST
YORK, SC 29745

GENERAL NOTES

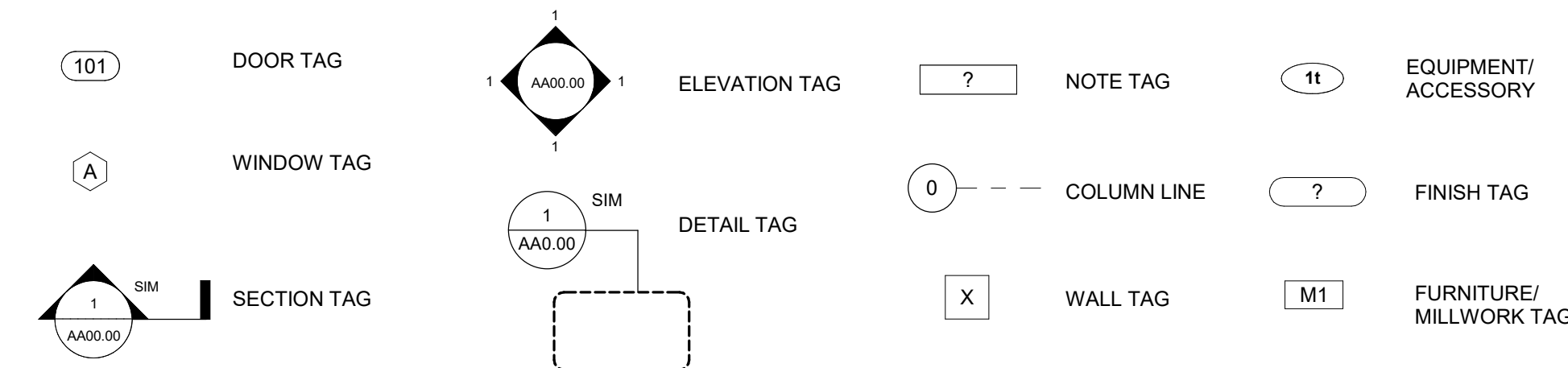
- THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS ALL OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS AND APPROVED BY THE ARCHITECT.
- THE TERM "CONTRACTOR" AS USED IN THESE NOTES SHALL REFER TO THE GENERAL CONTRACTOR OR TO THE SUB-CONTRACTORS. THE OWNER MAY ELECT TO CONTRACT DIRECTLY WITH A SUB-CONTRACTOR FOR ANY PART OF THE WORK.
- SCOPE OF WORK: THE CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR PRODUCING A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO SITE WORK, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, HVAC, AND ELECTRICAL.
- BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ARCHITECT, IN WRITING, OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK AND SHALL BE RESPONSIBLE FOR SAME.
- IF THE CONTRACT DOCUMENTS ARE FOUND TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ARCHITECT, OR OTHER DESIGN PROFESSIONAL, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- CONTRACTOR SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL ENSURE THE COMPLIANCE OF THE WORK WITH ALL LOCAL, STATE AND FEDERAL CODES, TRADE STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN. BEFORE COMMENCING WORK NOT SHOWN IN DOCUMENTS, BUT REQUIRED TO ACHIEVE FULL COMPLIANCE WITH CODES, CONTRACTOR SHALL NOTIFY ARCHITECT.
- THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR CONTRACT IS, AND SHALL BE, THE CONTRACTOR'S RESPONSIBILITY.
- CONTRACTOR SHALL PAY ALL TAXES, SECURE ALL PERMITS AND PAY ALL FEES INCURRED IN THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL MATERIALS, AND WORKMANSHIP FURNISHED OR INSTALLED BY HIM OR HIS SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSE TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING RESULTING FROM DEFECTIVE WORK OR ITS REPAIR. THE CONTRACTOR SHALL REPLACE DEFECTIVE WORK WITHIN A REASONABLE, AGREED UPON TIME FRAME, AFTER IT IS BROUGHT TO HIS ATTENTION.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH AND AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL RUBBISH, IMPLEMENTS, AND SURPLUS MATERIALS AND LEAVE THE BUILDING IN NEW AND CLEAN CONDITION.
- CONTRACTOR IS TO PROVIDE TO THE OWNER A LIST OF ALL SUBCONTRACTORS USED, COMPLETE WITH ADDRESSES, PHONE NUMBERS AND COPIES OF ALL WARRANTIES AND OPERATIONS AND MAINTENANCE MANUALS.

COORDINATION OF WORK

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND SUB-CONTRACTORS TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND SUB-CONTRACTORS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS, AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND SUB-CONTRACTORS. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEE'S USE ON THE PROJECT AND ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND SUB-CONTRACTORS.

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.

DRAWING SYMBOL LEGEND



VICINITY MAP



PROJECT SCOPE

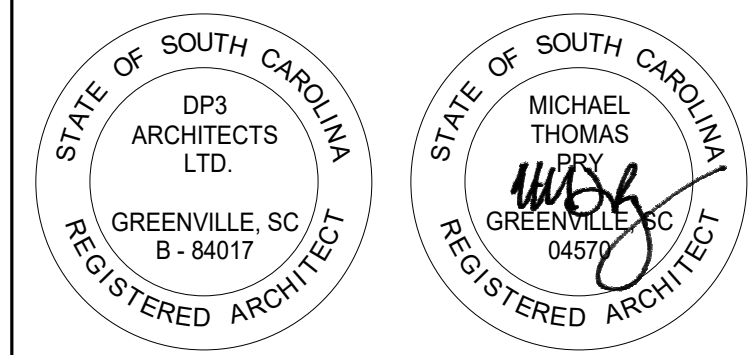
THE PROJECT SCOPE OUTLINED IN THIS SET OF DOCUMENTS INCLUDES THE MODERNIZATION OF THE FACILITY HVAC SYSTEMS WITH ASSOCIATED CEILING AND ELECTRICAL WORK.

ALLOWANCES

- ALLOWANCE FOR 10% OF CEILING TILES TO BE REPLACED

DRAWING INDEX

NUMBER	SHEET NAME	CURRENT REVISION DATE
T001	TITLE SHEET	11 JUNE 2024
ARCHITECTURE		
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A101	DEMOLITION FLOOR PLANS	11 JUNE 2024
A102	DEMOLITION FLOOR PLANS	11 JUNE 2024
A103	ENLARGED FLOOR PLANS - MECHANICAL CHASE	11 JUNE 2024
A201	REFLECTED CEILING PLAN	11 JUNE 2024
MECHANICAL		
M001	MECHANICAL LEGEND AND NOTES	11 JUNE 2024
M002	MECHANICAL SCHEDULES	11 JUNE 2024
M003	MECHANICAL DETAILS	11 JUNE 2024
M004	MECHANICAL EQUIPMENT DIAGRAMS	11 JUNE 2024
M005	MECHANICAL CONTROLS	11 JUNE 2024
M006	MECHANICAL CONTROLS	11 JUNE 2024
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M101	MECHANICAL DEMOLITION PLAN - 1ST FLOOR	11 JUNE 2024
M102	MECHANICAL DEMOLITION PLAN - 2ND FLOOR & ATTIC	11 JUNE 2024
M200	MECHANICAL PLAN - BASEMENT	11 JUNE 2024
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M202	MECHANICAL PLAN - 2ND FLOOR & ATTIC	11 JUNE 2024
ELECTRICAL		
E001	ELECTRICAL LEGEND AND NOTES	11 JUNE 2024
E002	ELECTRICAL DIAGRAMS	11 JUNE 2024
E100	ELECTRICAL DEMOLITION PLAN - BASEMENT	11 JUNE 2024
E101	ELECTRICAL DEMOLITION PLAN - 1ST FLOOR	11 JUNE 2024
E102	ELECTRICAL DEMOLITION PLAN - 2ND FLOOR & ATTIC	11 JUNE 2024
E200	ELECTRICAL POWER PLAN - BASEMENT	11 JUNE 2024
E201	ELECTRICAL POWER PLAN - 1ST FLOOR	11 JUNE 2024
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E300	ELECTRICAL CEILING PLAN - BASEMENT	11 JUNE 2024
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E900	ELECTRICAL SCHEDULES	11 JUNE 2024
E901	ELECTRICAL PANEL SCHEDULES	11 JUNE 2024



11 JUNE 2024



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CONSULTANT

PROJECT INFORMATION:

YORK COUNTY PLANNING FACILITY HVAC UPGRADES

18 W LIBERTY ST,
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

REVISIONS

NO.	DATE	DESCRIPTION
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DRAWING NAME

TITLE SHEET

DRAWING NO.

T001

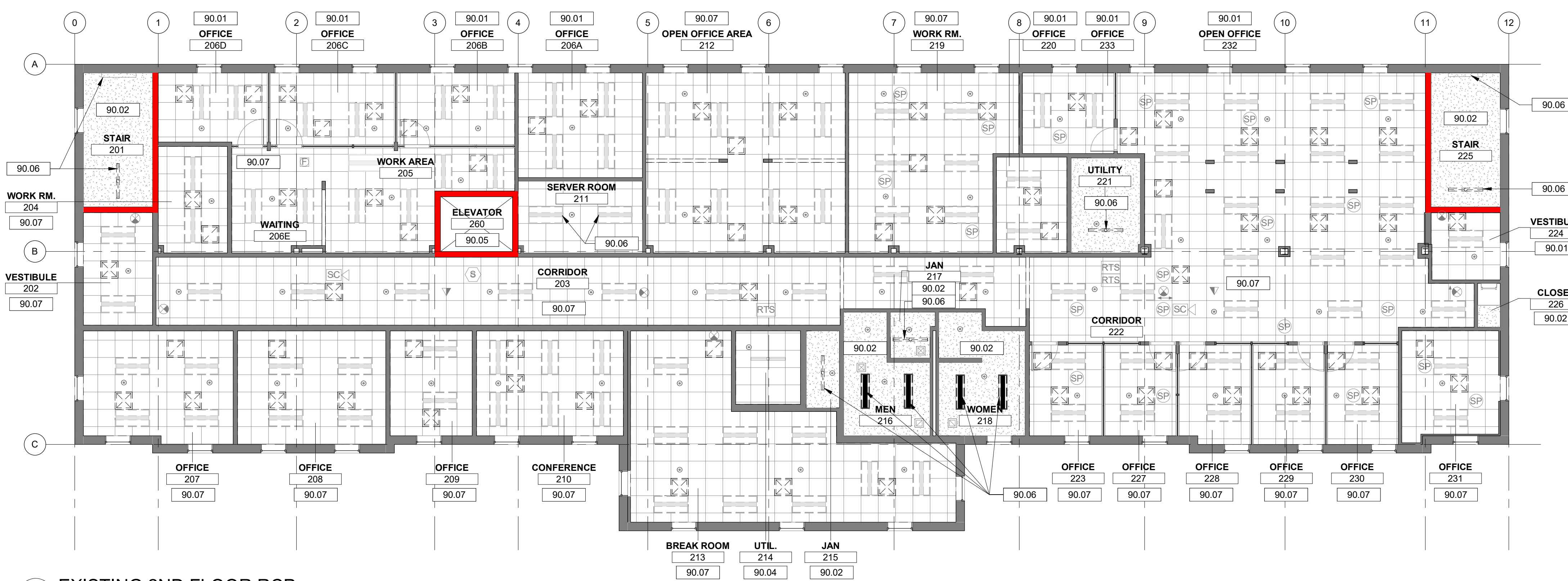
Drawn By: LMG Checked By: MTP

PROJECT CONTACTS

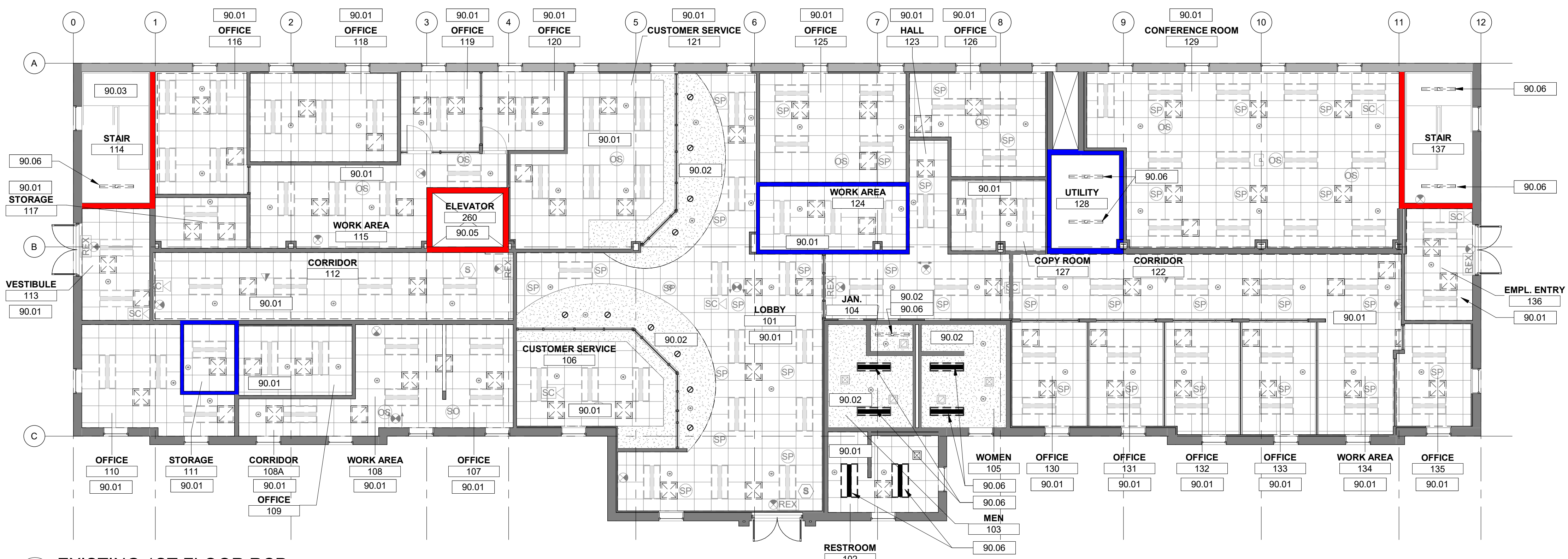
OWNER
YORK COUNTY
220 PUBLIC WORKS ROAD
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CONTACT: TREY JANICKE
TJANICKE@YORKCOUNTYGOV.COM
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15 SOUTH MAIN STREET, SUITE 400
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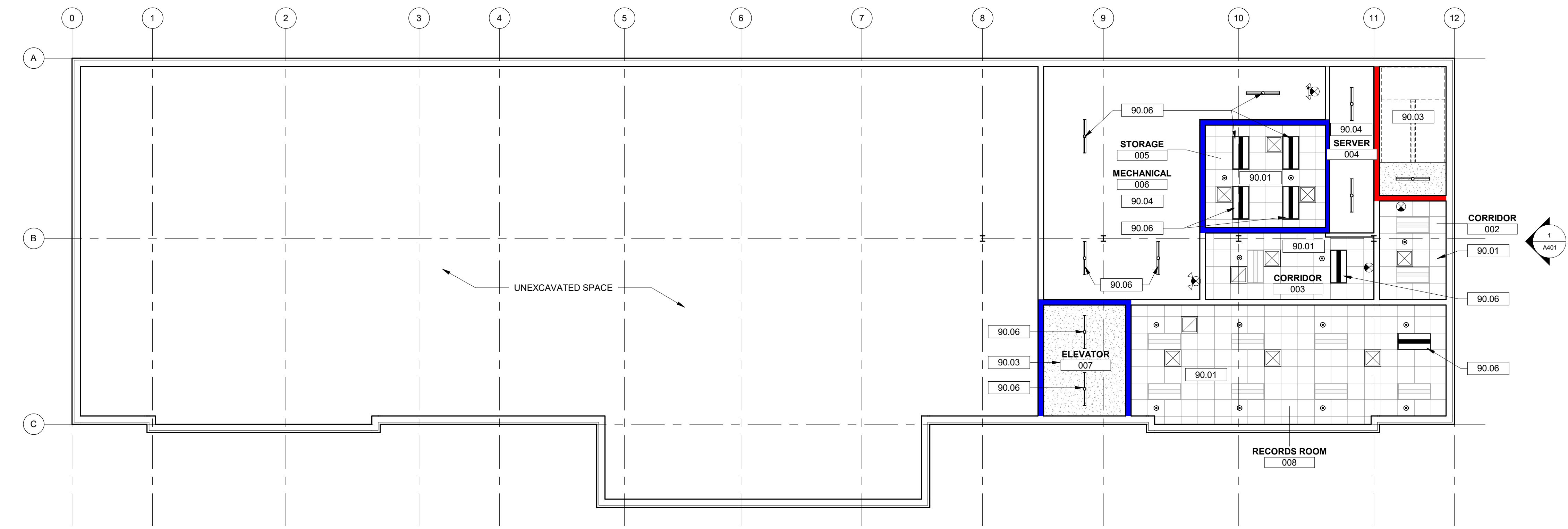
ELECTRICAL & MECHANICAL ENGINEER
DEVITA & ASSOCIATES, INC.
33 VILLA ROAD, SUITE 300
GREENVILLE, SC 29615
CONTACT: SHANNON EPPS
SEPPS@DEVITAINC.COM
864.720.2819



2 EXISTING 2ND FLOOR RCP
A100 1/8" = 1'-0"



3 EXISTING 1ST FLOOR RCP
A100 1/8" = 1'-0"



1 EXISTING BASEMENT RCP
A100 1/8" = 1'-0"

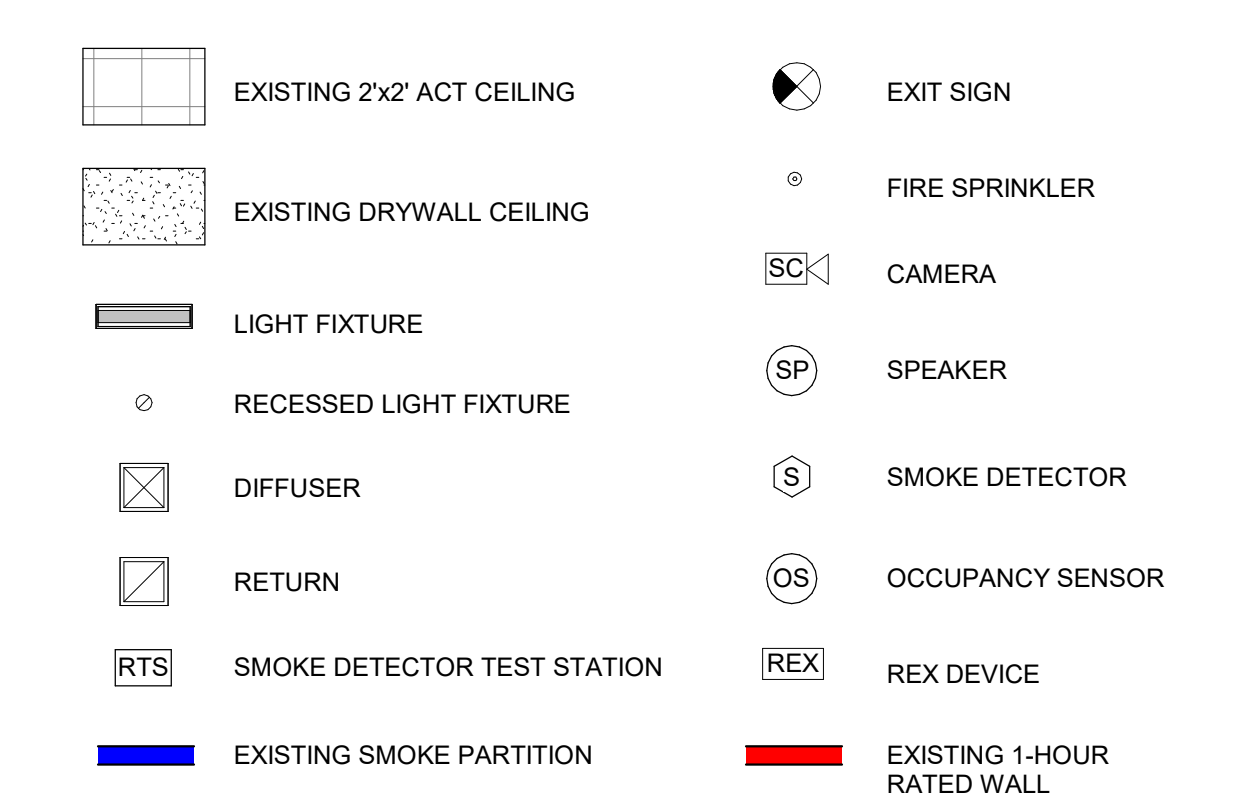
GENERAL DEMOLITION NOTES

- A. ALL HAZARDOUS MATERIALS SHALL BE REMOVED PRIOR TO START OF CONSTRUCTION UNDER SEPARATE CONTRACT.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
- I. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- J. REMOVE ALL WIRING, CONDUIT, WIRING SYSTEMS AND EQUIPMENT MADE OBSOLETE BY DEMOLITION. ANY EXISTING CONDUIT SYSTEM THAT CAN BE REUSED IN PLACE IN THE NEW WORK MAY BE REUSED PROVIDED IT IS IN A CONDITION ACCEPTABLE TO THE ARCHITECT.
- K. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- L. ALL UTILITIES DEMOLISHED SHALL BE COMPLETELY REMOVED AND/OR CAPPED. ALL FINISHES TO REMAIN THAT ARE DISTURBED SHALL BE REPAIRED TO MATCH EXISTING.
- M. THE CONTRACTOR SHALL SURVEY AND DETERMINE THE REMOVAL OF EXISTING CONSTRUCTION, EITHER WHOLE OR IN PART, AS REQUIRED FOR THE INSTALLATION OF THE NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK.
- N. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR FINISHES, FURNITURE, AND FIXTURES IN EXISTING AREAS NOT DESIGNATED FOR DEMOLITION OR NEW CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED BY HIS WORK OR ANY SUBCONTRACTORS.
- O. AS APPLICABLE, PROVIDE TEMPORARY ENCLOSURE, BARRIERS AND COVERS TO PROTECT EXISTING FURNITURE, FIXTURES AND EQUIPMENT REMAINING IN PROJECT AREA DURING CONSTRUCTION.
- P. REMOVE MECHANICAL AND ELECTRICAL FIXTURES AND CAP OR REMOVE EXISTING BRANCH LINES AS INDICATED IN MECHANICAL AND ELECTRICAL DRAWINGS.
- Q. COORDINATE PLANS FOR NEW CONSTRUCTION WITH DEMOLITION PLANS WITH EXTENT FOR REMOVAL. REMOVE ONLY THOSE PORTIONS OF WALLS, FLOORS, CEILINGS, ETC. NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.
- R. SHOW EXISTING CONDITIONS IN SUFFICIENT DETAIL OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT BEFORE WORK BEGINS.
- S. REMOVE BATT INSULATION LAYING ON 2ND FLOOR TOP OF TILES AND DISPOSE OF OFF-SITE. WHILE CEILING GRID IS REMOVED, INSTALL NEW CLOSED-CELL SPRAY FOAM INSULATION (R-30 MINIMUM) AT UNDERSIDE OF EXISTING ROOF DECK THROUGHOUT ENTIRE ATTIC.

DRAWING NOTES

- 90.01 ALL EXISTING SUSPENDED ACOUSTIC CEILING SYSTEM TO BE TEMPORARILY REMOVED AND REINSTALLED FOR INSTALLATION OF NEW DUCTWORK. ALL EXISTING CEILING GRID TO BE DEMOLISHED EXCEPT FOR PERIMETER WALL MOLDING TO REMAIN. ANY ACOUSTIC CEILING TILES DAMAGED DURING DEMOLITION TO BE REPLACED WITH NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AS PART OF AN ALLOWANCE. ALL DIFFUSERS AND RETURNS TO BE REMOVED AND REPLACED WITH NEW. REFER TO MECHANICAL DRAWINGS. ALL LIGHTS TO REMAIN UNLESS NOTED OTHERWISE. REFER TO ELECTRICAL DRAWINGS. LIGHTS AND OTHER MISCELLANEOUS DEVICES MOUNTED TO THE EXISTING ACOUSTICAL CEILING SYSTEM SHALL BE TEMPORARILY HUNG FROM THE STRUCTURE ABOVE AND PROTECTED DURING DEMOLITION. ALL EXIT SIGNS, SMOKE AND FIRE DETECTORS, AND SPRINKLERS TO REMAIN AND BE PROTECTED DURING DEMOLITION.
- 90.02 DRYWALL CEILINGS AND SOFFITS TO REMAIN. LIGHTS TO REMAIN UNLESS NOTED OTHERWISE. REMOVE EXISTING BATT INSULATION LAYING ON TOP OF DRYWALL AND DISPOSE OF OFF-SITE. PROTECT DURING DEMOLITION.
- 90.03 CEILING TO REMAIN. NO SCOPE.
- 90.04 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LIGHTING AND HVAC DEMOLITION.
- 90.05 NO SCOPE.
- 90.06 LIGHT TO BE REMOVED AND DISPOSED. SEE ELECTRICAL DRAWINGS FOR NEW LIGHT FIXTURE TYPES.
- 90.07 ALL EXISTING SUSPENDED ACOUSTIC CEILING SYSTEM TO BE TEMPORARILY REMOVED AND REINSTALLED FOR INSTALLATION OF NEW DUCTWORK. ALL EXISTING CEILING GRID TO BE DEMOLISHED EXCEPT FOR PERIMETER WALL MOLDING TO REMAIN. ANY ACOUSTIC CEILING TILES DAMAGED DURING DEMOLITION TO BE REPLACED WITH NEW ACOUSTIC CEILING TILES TO MATCH EXISTING AS PART OF AN ALLOWANCE. REMOVE BATT INSULATION LAYING ON TOP OF TILES AND DISPOSE OF OFF-SITE. WHILE CEILING SYSTEM IS REMOVED, INSTALL NEW CLOSED-CELL SPRAY FOAM INSULATION (R-30 MINIMUM) AT UNDERSIDE OF EXISTING ROOF DECK THROUGHOUT ENTIRE ATTIC. ALL DIFFUSERS AND RETURNS TO BE REMOVED AND REPLACED WITH NEW. REFER TO MECHANICAL DRAWINGS. ALL LIGHTS TO REMAIN UNLESS NOTED OTHERWISE. REFER TO ELECTRICAL DRAWINGS. LIGHTS TO REMAIN UNLESS NOTED OTHERWISE. REFER TO ELECTRICAL DRAWINGS. LIGHTS TO BE TEMPORARILY HUNG FROM THE STRUCTURE ABOVE AND PROTECTED DURING DEMOLITION. ALL EXIT SIGNS, SMOKE AND FIRE DETECTORS, SPRINKLERS TO REMAIN AND BE PROTECTED DURING DEMOLITION.

EXISTING REFLECTED CEILING PLAN LEGEND



11 JUNE 2024



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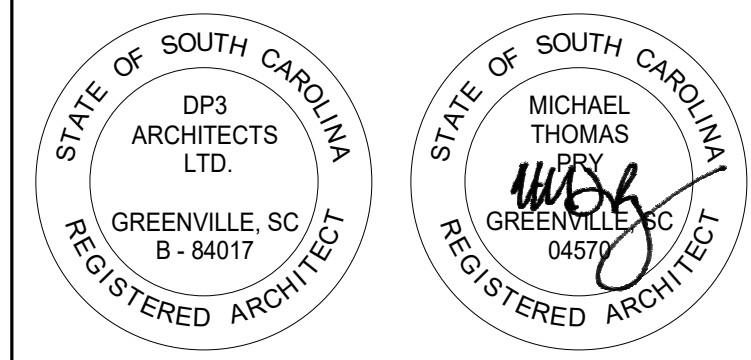
DRAWING NAME
DEMOLITION REFLECTED CEILING PLANS

DRAWING NO.
A100

Drawn By: LMG Checked By: MTP

DRAWING NOTES

- 40.01 ALL EXISTING WALLS, FLOORS, AND FURNITURE TO BE PROTECTED DURING CEILING FOR DURATION OF CONSTRUCTION. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 40.02 EXISTING CHASE, NEW VRF LINESETS TO RUN FROM BASEMENT TO 1ST FLOOR. REFER TO MECHANICAL DRAWINGS.
- 40.05 EXISTING ONE HOUR FIRE RATED PARTITION EXTENDED TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE TO REMAIN. PROTECT ALL NEW PENETRATIONS AND CLOSE UP ANY ABANDONED OPENINGS TO MAINTAIN FIRE RATING OF WALL ASSEMBLY.
- 40.06 EXISTING SMOKE RATED PARTITION EXTENDED TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE TO REMAIN. PROTECT ALL NEW PENETRATIONS AND CLOSE UP ANY ABANDONED OPENINGS TO MAINTAIN SMOKE RATING OF WALL ASSEMBLY.



11 JUNE 2024

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DRAWING NAME

**DEMOLITION FLOOR
PLANS**

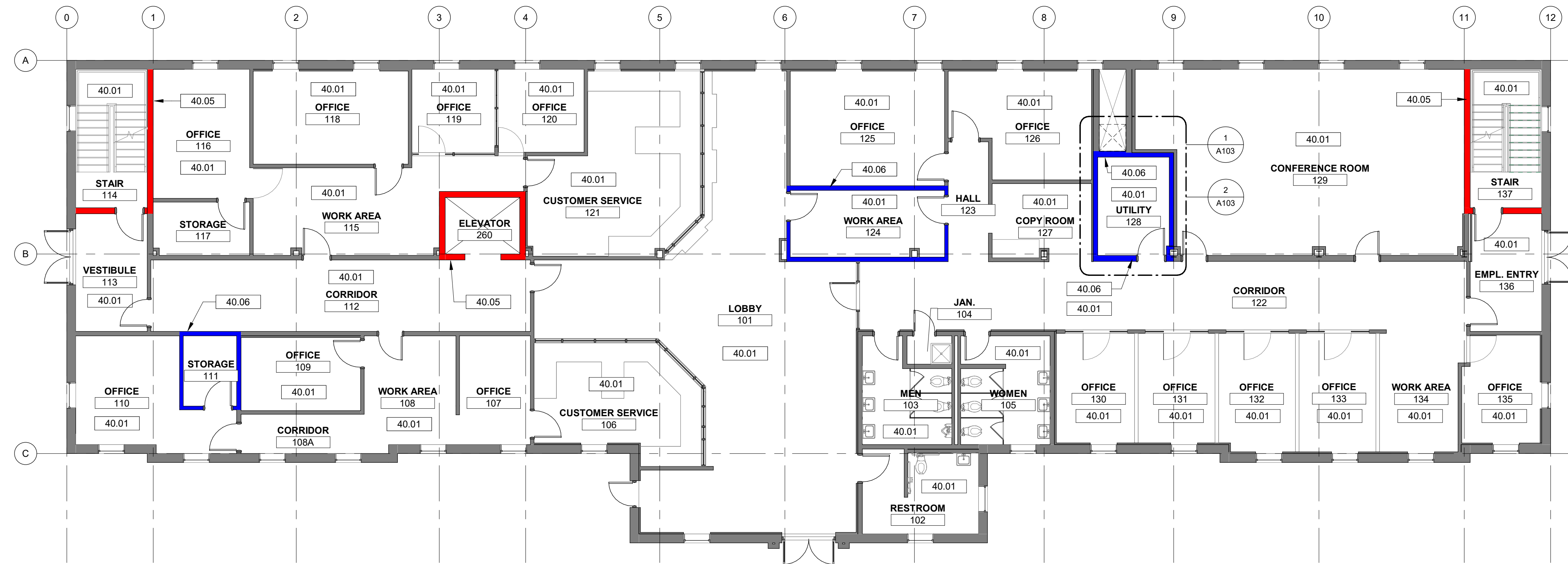
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A101

Drawn By: LMG Checked By: MTP

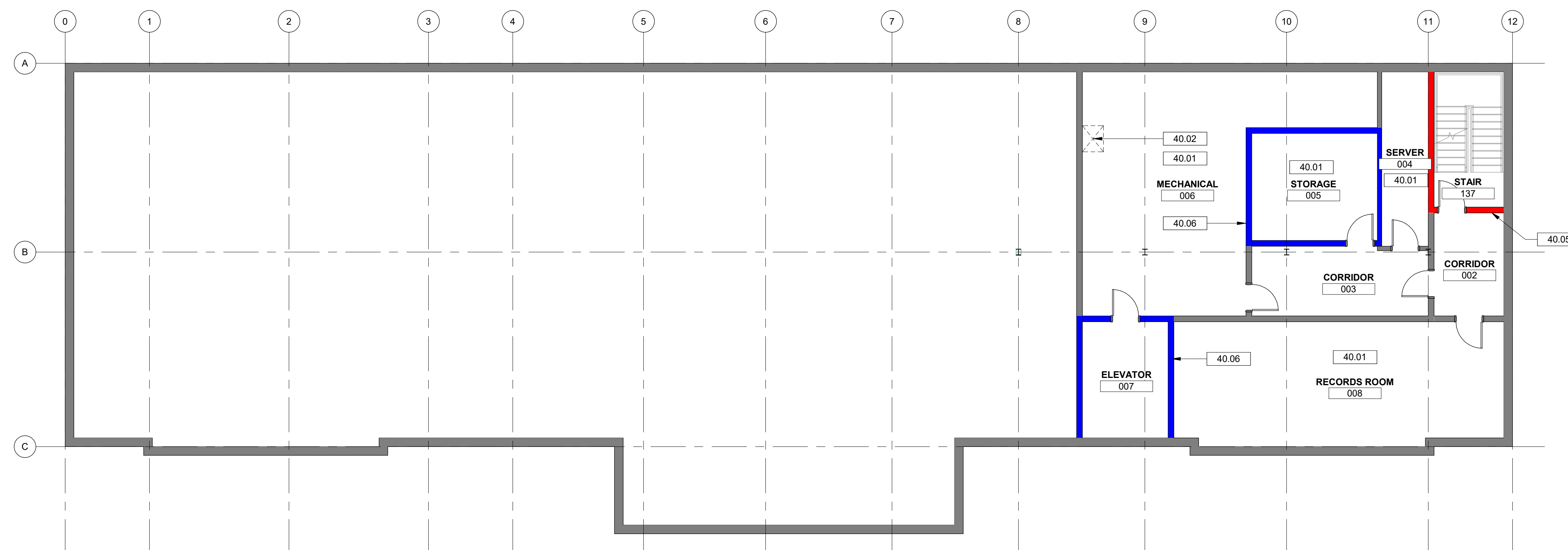
FLOOR PLAN LEGEND

- EXISTING SMOKE PARTITION
- EXISTING 1-HOUR RATED WALL



1 1ST FLOOR

A101 1/8" = 1'-0"



3 BASEMENT

A101 1/8" = 1'-0"

DRAWING NOTES

- 40.01 ALL EXISTING WALLS, FLOORS, AND FURNITURE TO BE PROTECTED DURING CEILING FOR DURATION OF CONSTRUCTION. ALL PROTECTED ITEMS TO BE INSPECTED BEFORE WORK WITH PHOTOGRAPHIC DOCUMENTATION OF THEIR CONDITION.
- 40.05 EXISTING ONE HOUR FIRE RATED PARTITION EXTENDED TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE TO REMAIN. PROTECT ALL NEW PENETRATIONS AND CLOSE UP ANY ABANDONED OPENINGS TO MAINTAIN FIRE RATING OF WALL ASSEMBLY.
- 90.08 DEMOLISH PORTION OF EXISTING 2ND FLOOR SLAB TO ACCOMMODATE VRF LINESETS. PROVIDE MINIMUM 20" X 20" OPENING. REFER TO MECHANICAL DRAWINGS.
- 90.09 DEMOLISH PORTION OF 2ND FLOOR CEILING TO ACCOMMODATE VRF LINESETS. PROVIDE MINIMUM 20" X 20" OPENING. REFER TO MECHANICAL DRAWINGS.
- 90.11 EXISTING INTAKE FAN TO BE REMOVED. PATCH ROOF WITH ARCHITECTURAL SHINGLES TO MATCH EXISTING.
- 90.12 REMOVE BATT INSULATION LAYING ON TOP OF TILES AND DRYWALL CEILING AND DISPOSE OF OFF-SITE. WHILE CEILING SYSTEM IS REMOVED, INSTALL NEW CLOSED-CELL SPRAY FOAM INSULATION (R-30 MINIMUM) AT UNDERSIDE OF EXISTING ROOF DECK THROUGHOUT ENTIRE ATTIC.



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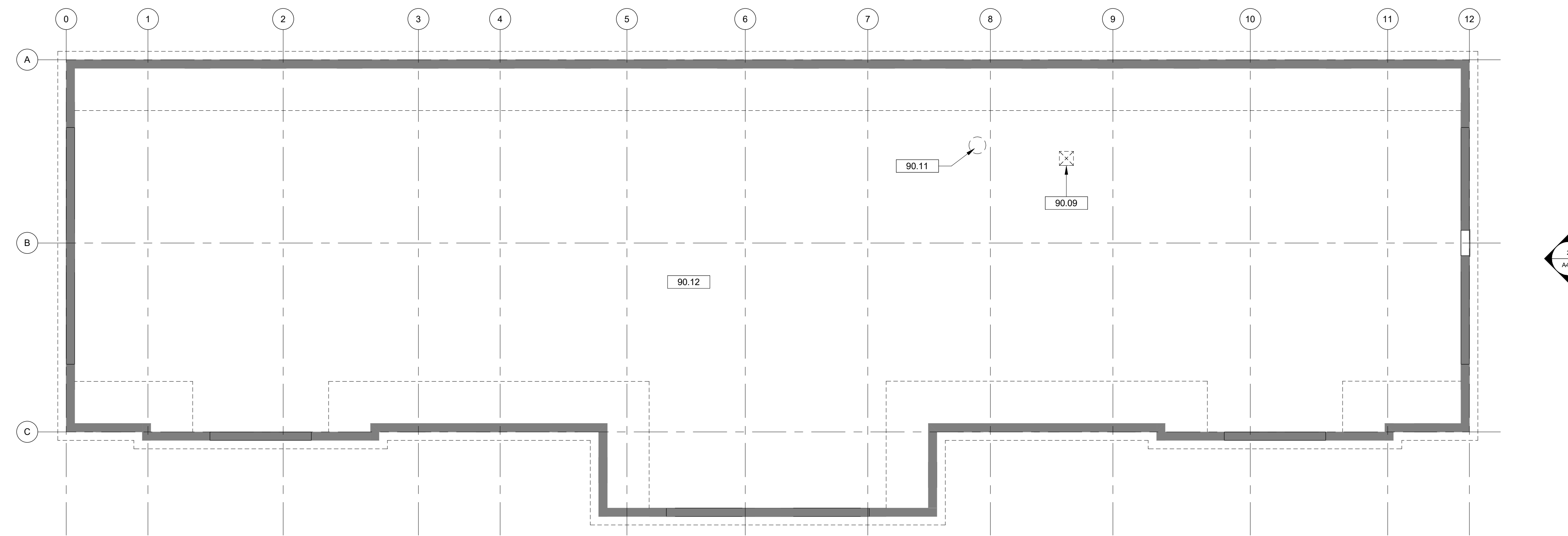
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**DEMOLITION FLOOR
PLANS**

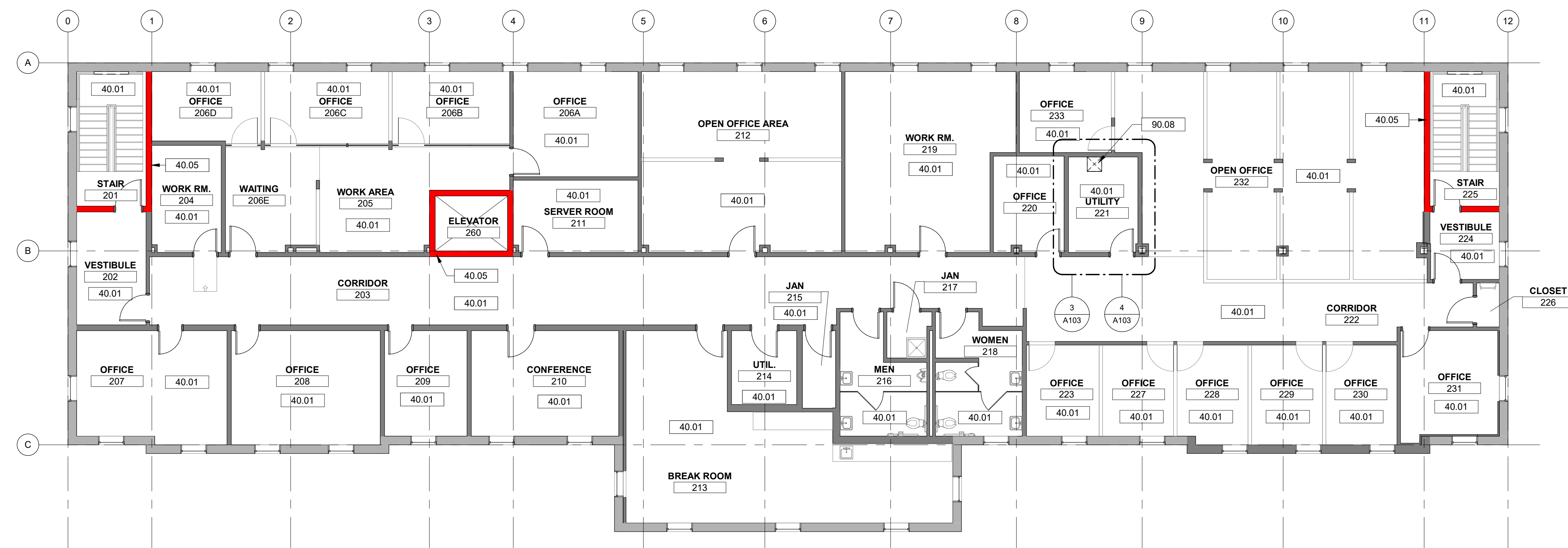
DRAWING NO.

A102

Drawn By: LMG Checked By: MTP



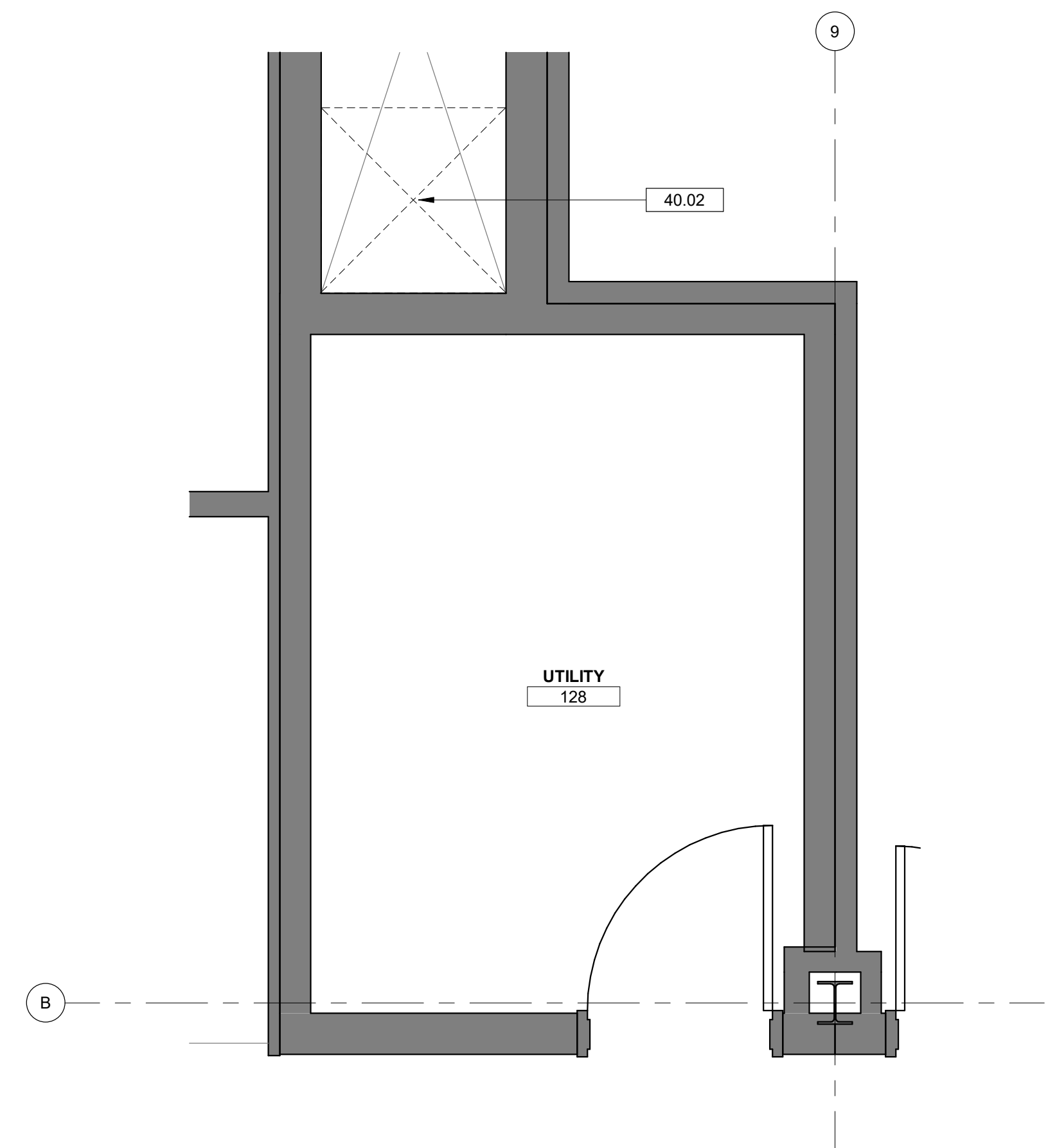
1 ATTIC PLAN
A102 1/8" = 1'-0"



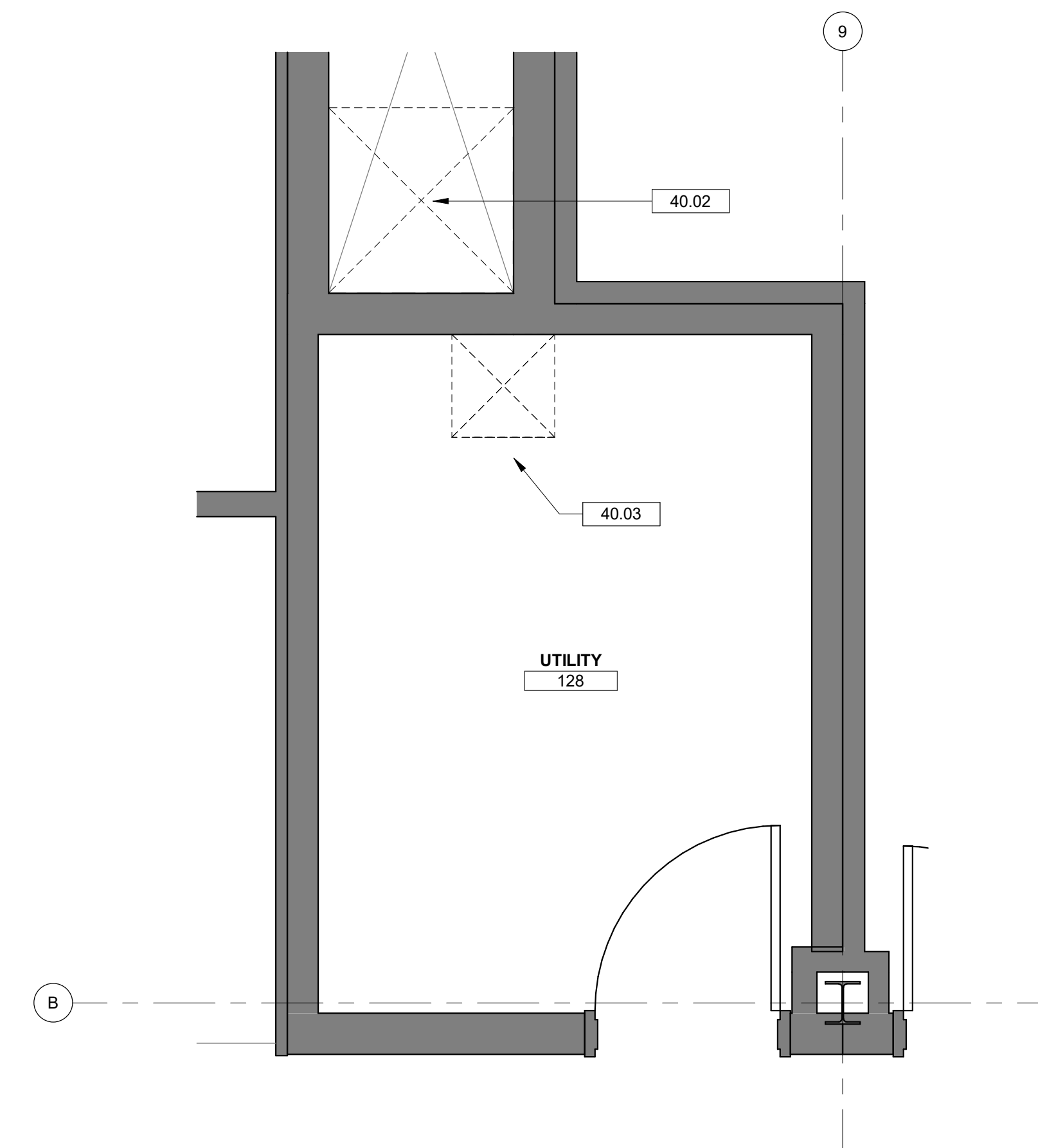
2 2ND FLOOR
A102 1/8" = 1'-0"

FLOOR PLAN LEGEND

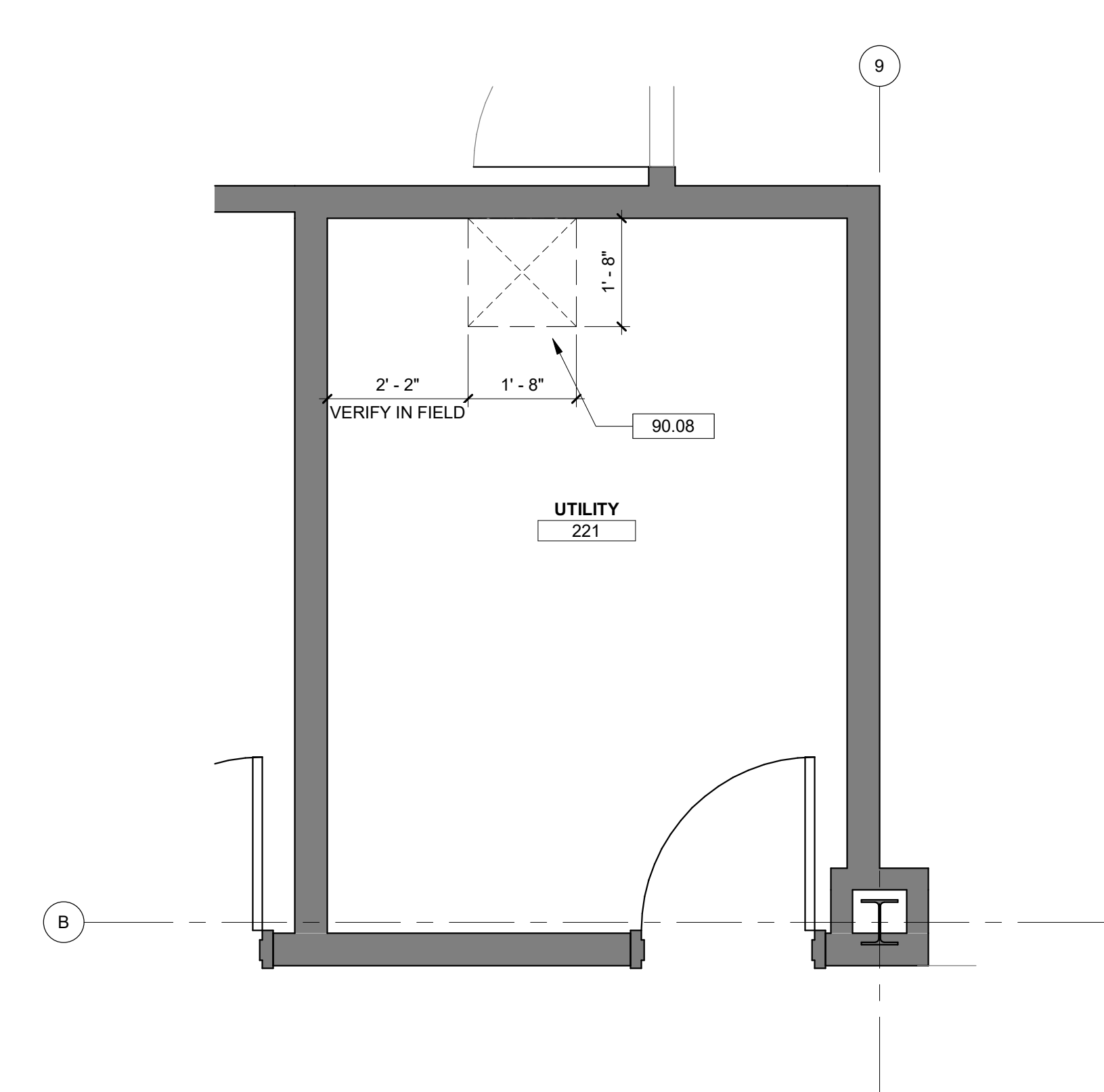
- EXISTING SMOKE PARTITION
- EXISTING 1-HOUR RATED WALL



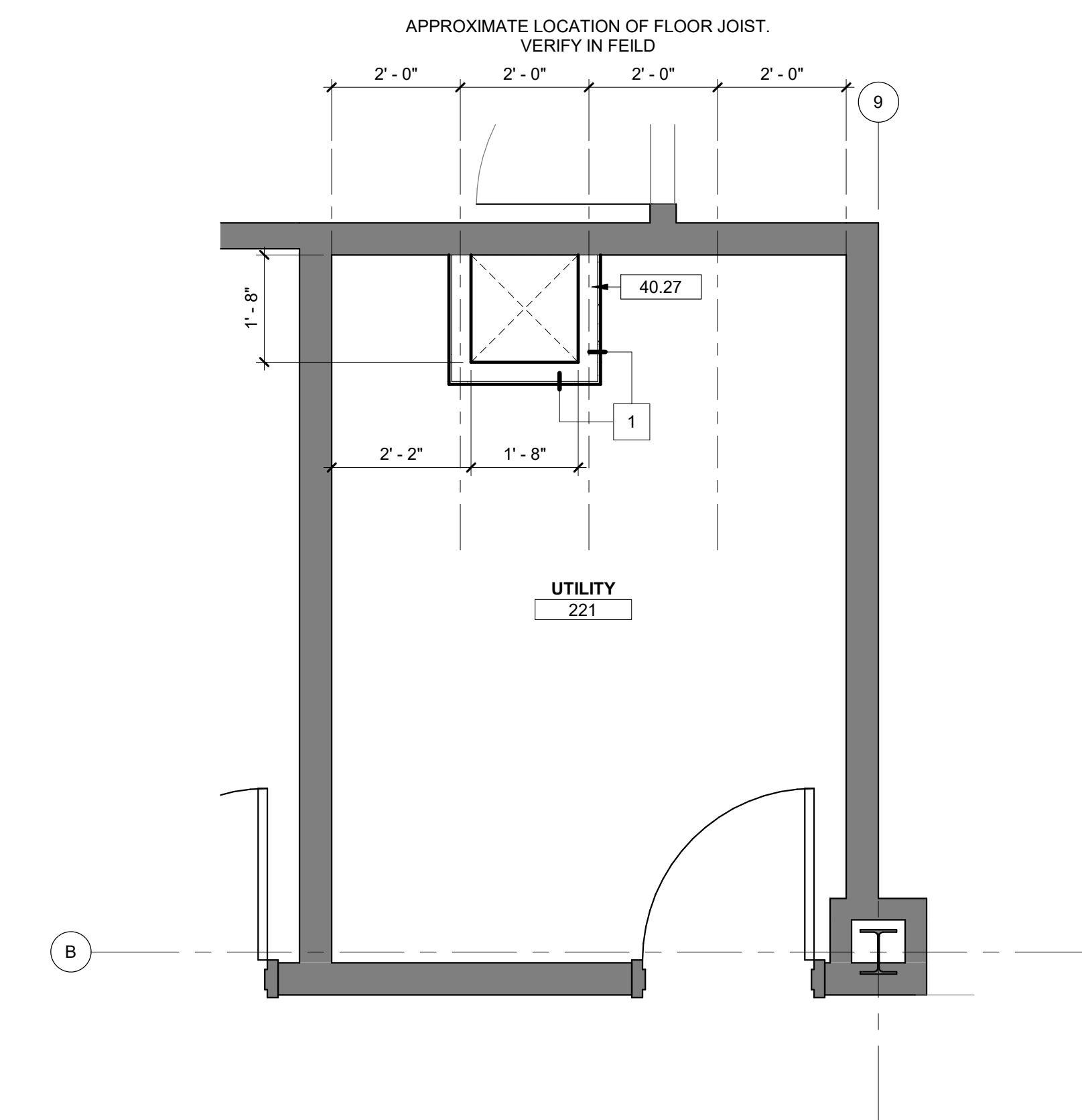
1 MECHANICAL CHASE - 1ST FLOOR ENLARGED DEMO PLAN
A103 1/2" = 1'-0"



2 MECHANICAL CHASE - 1ST FLOOR ENLARGED PLAN
A103 1/2" = 1'-0"

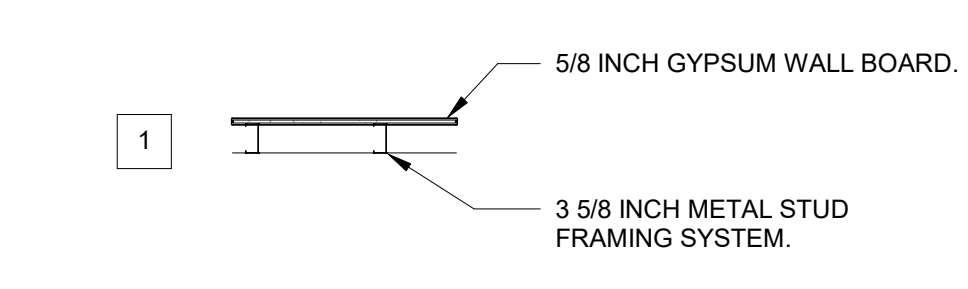


3 MECHANICAL CHASE - 2ND FLOOR ENLARGED DEMO PLAN
A103 1/2" = 1'-0"



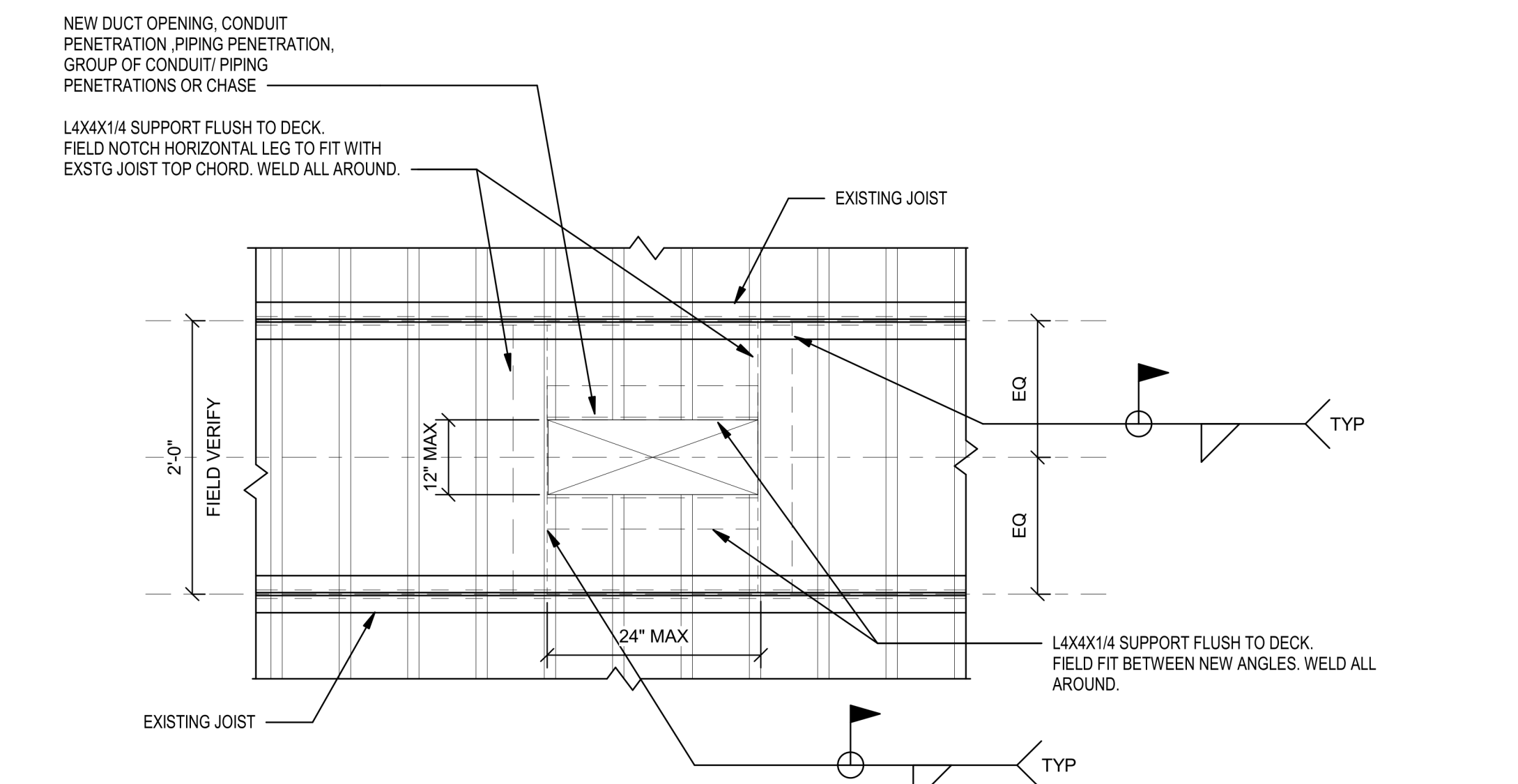
4 MECHANICAL CHASE - 2ND FLOOR ENLARGED PLAN
A103 1/2" = 1'-0"

WALL TYPE LEGEND



DRAWING NOTES

- 40.02 EXISTING CHASE. NEW VRF LINESETS TO RUN FROM BASEMENT TO 1ST FLOOR. REFER TO MECHANICAL DRAWINGS.
- 40.03 NEW OPENING IN FLOOR ABOVE FOR VRF LINESETS TO RUN FROM 1ST FLOOR TO 2ND FLOOR. REFER TO MECHANICAL DRAWINGS.
- 40.27
- 90.08 DEMOLISH PORTION OF EXISTING 2ND FLOOR SLAB TO ACCOMMODATE VRF LINESETS. PROVIDE MINIMUM 20" X 20" OPENING. REFER TO MECHANICAL DRAWINGS.



- NOTES:
1. DETAIL IS TYPICAL AT NEW FLOOR PENETRATIONS IN EXISTING SLAB.
 2. SAWCUT OR CORE DRILL NEW OPENINGS. GC TO FIELD VERIFY EXISTING SLAB REINFORCEMENT LOCATIONS AND PROTECT EXISTG STRUCTURE TO REMAIN.
 3. DETAIL APPLIES TO SINGLE PENETRATIONS OR A "GROUP" OF PENETRATIONS THAT HAS A DIMENSION PERPENDICULAR TO DECK SPAN GREATER THAN 6".
 4. A GROUP OF PENETRATIONS FITTING WITHIN THE MAX DIMENSION INDICATED SHALL CONSTITUTE A SINGLE PENETRATION.
 5. PROVIDE MIN. 1.5" DECK BEARING AT NEW SUPPORT AN.

ENGINEERING NOTE: THIS DETAIL IS PROVIDED FOR PRICING PURPOSES ONLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL ENGINEERED DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER BASED ON ACTUAL FIELD CONDITIONS AS A DELEGATED DESIGN.

5 TYPICAL FLOOR OPENING DETAIL
A103 1/2" = 1'-0"

STATE OF SOUTH CAROLINA
DP3 ARCHITECTS LTD.
GREENVILLE, SC
B - 84017
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
MICHAEL THOMAS
GREENVILLE, SC
0457
REGISTERED ARCHITECT

11 JUNE 2024

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PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**

18 W LIBERTY ST,
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

REVISIONS

NO.	DATE	DESCRIPTION

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DRAWING NAME
**ENLARGED FLOOR
PLANS - MECHANICAL
CHASE**

DRAWING NO.
A103
Drawn By: LMG Checked By: MTP

REFLECTED CEILING PLAN NOTES

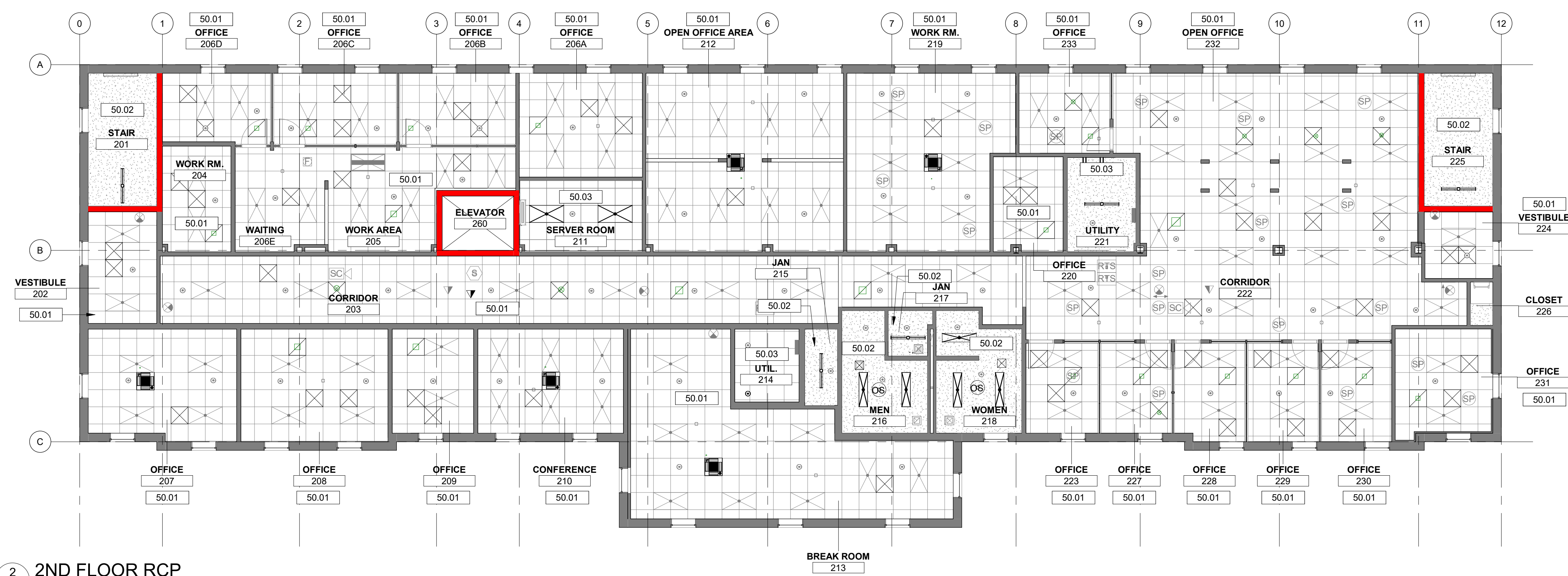
- A. COORDINATE ALL LIGHTING TYPES WITH ELECTRICAL DRAWINGS.
- B. REFER TO ELECTRICAL DRAWINGS FOR ALL CEILING MOUNTED EXIT LIGHTS, SMOKE DETECTORS, SPEAKERS, FIRE ALARM DEVICES, ETC. FOR ITEMS NOT INDICATED ON THE REFLECTED CEILING PLAN, COORDINATE LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
- C. INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AND SOFFITS AND IN OTHER NON-ACCESSIBLE TYPE CEILINGS AND SOFFITS WHERE ACCESS, SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING OR ELECTRICAL ITEMS MAY BE REQUIRED. COORDINATE LOCATIONS AND SIZES WITH ARCHITECT.
- D. COORDINATE ALL HVAC MECHANICAL DEVICES WITH MECHANICAL DRAWINGS.
- E. IF AS-BUILT CONDITIONS DEMAND THAT A CEILING BOARD LARGER THAN 2'-0" IN ANY DIMENSION BE USED IN THE PERIMETER BOARDS OF A TYPICAL 2'x2' GRID, THEN THAT BOARD SHALL BE CUT FROM A 2'x4' BOARD. A DOUBLE WALL ANGLE SHALL NOT BE USED IN THE CEILING GRID SYSTEM.
- F. CEILING SUSPENSION SYSTEM TO MEET SEISMIC REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE CURRENT EDITION.
- G. LOCATE ALL TRACK & RECESSED FIXTURES AT THE CENTERLINE OF TILE UNLESS NOTED OTHERWISE. INSTALL ALL ELECTRICAL SYSTEM COMPONENTS WITHOUT INTERFERING WITH DUCTS, PIPES, BEAMS, ETC. LOCATE LIGHT FIXTURES SYMMETRICALLY AS DIMENSIONED, OR AS INDICATED ON THE REFLECTED CEILING PLANS. IN THE EVENT OF CONFLICT, THE ARCHITECT WILL DECIDE WHICH ITEM TO RELOCATE WITHOUT REGARD TO WHICH WAS INSTALLED FIRST.
- H. COORDINATE ALL EXPOSED CEILING WORK WITH ALL TRADES AND PROVIDE SKETCH (FOR PRE-INSTALLATION MEETING) OF ALL CONDUIT RUNS, JUNCTION BOXES, DUCTWORK AND SUPPORTS, PLUMBING (OVERHEAD) AND FIRE PROTECTION PIPING, IN EXPOSED CEILING AREAS, CONTRACTOR SHALL SCHEDULE A PRE-INSTALLATION COORDINATION MEETING WITH ALL TRADES REPRESENTED, INCLUDING ARCHITECT, WHERE FINAL APPROVAL FOR ALL ROUTING WILL BE GRANTED. ALL EQUIPMENT, PIPING OR ACCESSORIES INSTALLED IN THESE AREAS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.
- I. ALL ACOUSTIC CEILING TILES TO BE REMOVED AND STORED DURING CONSTRUCTION AND TO BE REINSTALLED AFTER MECHANICAL CONSTRUCTION IS COMPLETE. ALL NEW CEILING GRID TO BE INSTALLED.
- J. LIGHTS AND OTHER MISCELLANEOUS DEVICES MOUNTED TO THE EXISTING ACOUSTICAL CEILING SYSTEM SHALL BE TEMPORARILY HUNG FROM THE STRUCTURE ABOVE AND PROTECTED DURING DEMOLITION UNLESS NOTED OTHERWISE.
- K. ALL CEILING HOSTED LIFE SAFETY ELEMENTS, INCLUDING BUT NOT LIMITED TO EXIT SIGNS, FIRE ALARMS, SPRINKLERS AND SMOKE AND FIRE DETECTORS, TO BE FASTENED TO CEILING AND PROTECTED DURING CONSTRUCTION.
- L. ALL SUPPLY AND RETURN DIFFUSERS AND GRILLES TO BE REMOVED AND REINSTALLED AS PART OF THE HVAC UPGRADES. REFER TO MECHANICAL DRAWINGS FOR NEW LOCATIONS.

DRAWING NOTES

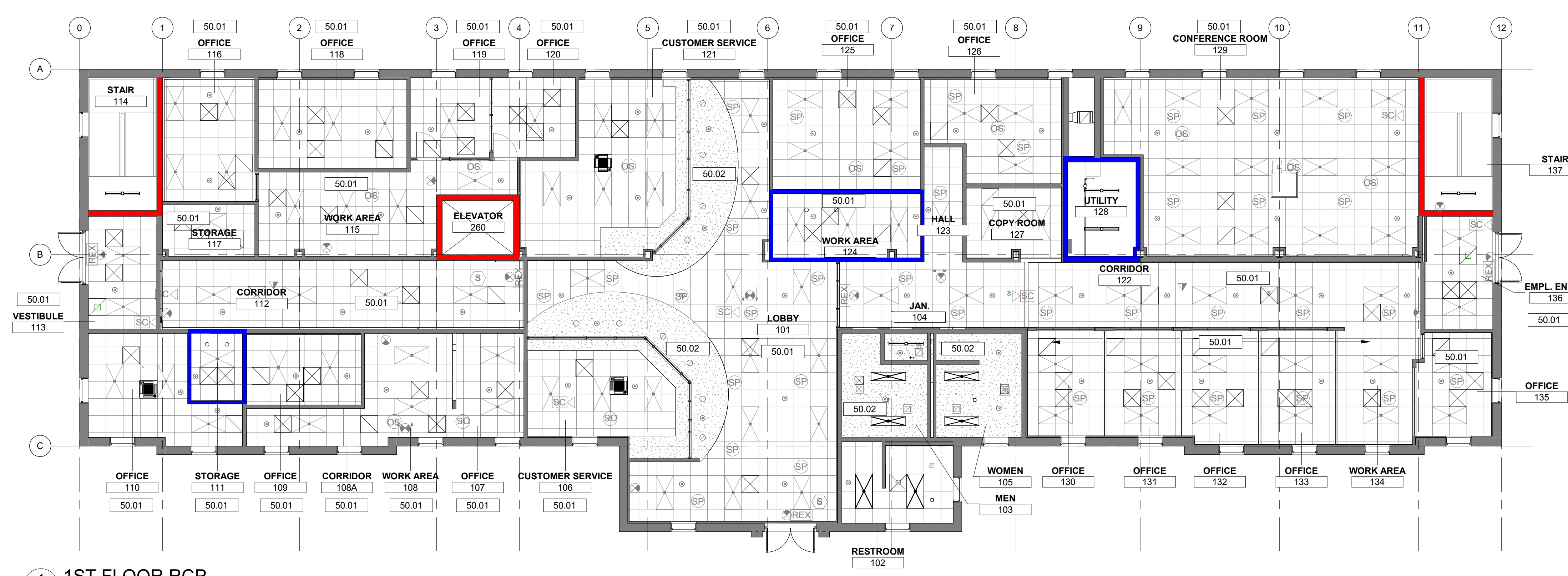
- 50.01 INSTALL NEW CEILING GRID AND REUSED AND NEW ACOUSTIC CEILING TILE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR NEW LIGHTING AND HVAC LOCATIONS.
- 50.02 EXISTING DRYWALL CEILING, LIGHTING, AND MECHANICAL TO REMAIN.
- 50.03 REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LIGHTING AND HVAC REWORK.

REFLECTED CEILING PLAN LEGEND

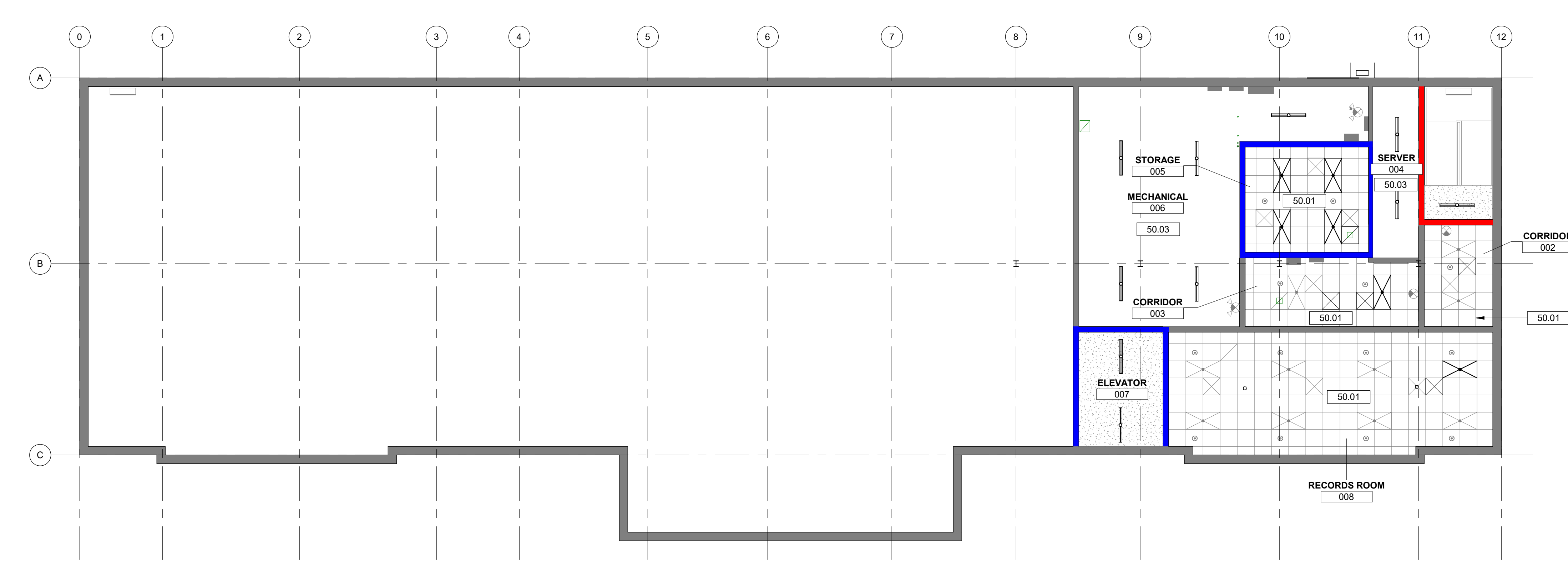
- EXISTING 2'x2' ACT CEILING
- EXISTING DRYWALL CEILING
- LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- DIFFUSER
- RETURN
- SMOKE DETECTOR TEST STATION
- EXISTING SMOKE PARTITION
- EXISTING 1-HOUR RATED WALL
- EXIT SIGN
- FIRE SPRINKLER
- CAMERA
- SPEAKER
- SMOKE DETECTOR
- OCCUPANCY SENSOR
- REX DEVICE



2 2ND FLOOR RCP
A201 1/8" = 1'-0"



1 1ST FLOOR RCP
A201 1/8" = 1'-0"



3 BASEMENT RCP
A201 1/8" = 1'-0"



11 JUNE 2024



PROJECT INFORMATION:

YORK COUNTY PLANNING FACILITY HVAC UPGRADES

18 W LIBERTY ST,
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

REVISIONS		
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REFLECTED CEILING PLAN

DRAWING NO. **A201**

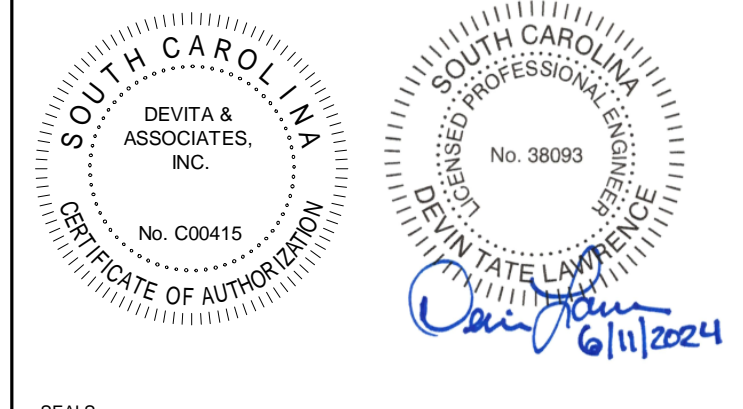
Drawn By: LMG Checked By: MTP

- GENERAL MECHANICAL NOTES**
- WORK SHALL CONFORM WITH TO ALL CURRENT CODES AND AUTHORITY HAVING JURISDICTION.
 - DRAWINGS ARE SCHEMATIC. NOT ALL RISES AND DROPS ARE SHOWN. TRADES ARE TO COORDINATE THEIR WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS. GENERALLY, DUCTWORK SHALL BE KEPT AS HIGH AS POSSIBLE.
 - COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS AND FURNISH EQUIPMENT WIRED FOR VOLTAGES SHOWN THEREIN.
 - COORDINATE THE INSTALLATION OF MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD.
 - KEEP A SET OF MARKED UP PRINTS WITH ANY FIELD CHANGES MADE DURING CONSTRUCTION TO CREATE AN "AS-BUILT" SET OF PRINTS TO BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.
 - PROVIDE ACCESS PANELS IN CEILINGS AND WALLS TO ALLOW ACCESS TO VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. MINIMUM ACCESS SIZE SHALL BE 12"X12", UNLESS LIMITED BY PHYSICAL CONSTRAINTS.
 - MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - DUCT MOUNTED SMOKE DETECTORS ARE FURNISHED, WIRED, AND PROGRAMMED BY THE ELECTRICAL CONTRACTOR AND INSTALLED IN DUCTWORK BY THE MECHANICAL CONTRACTOR. UNITS SHALL SHUT DOWN UPON ACTIVATION.
 - OUTSIDE AIR INTAKES FOR AIR CONDITIONING UNITS SHALL BE A MINIMUM OF 10 FEET FROM EXHAUST FANS, EXHAUST OPENINGS AND PLUMBING VENTS.
 - ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
 - ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS.
 - SUPPORT DUCTWORK FROM BUILDING STRUCTURE IN ACCORDANCE WITH SMACNA STANDARDS.
 - ANY ADDITIONAL/SUPPLEMENTAL STEEL MEMBERS REQUIRED TO SUPPORT DUCTWORK OR EQUIPMENT FROM MAIN STRUCTURE SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
 - TRANSFER DUCTS SHALL BE INTERNALLY LINED TO AID IN CANCELING NOISE TRANSFER.
 - COORDINATE LOCATIONS OF GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS SHOWN ARE APPROXIMATE. ADJUST LOCATIONS IN THE FIELD AS REQUIRED BY CONSTRUCTION CONSTRAINTS.
 - PROVIDE EACH SUPPLY AIR OUTLET OR DIFFUSER WITH ITS OWN BALANCING DEVICE. DEVICES CAN BE LOCATED IN DUCTWORK OR SUPPLY AIR DEVICE ITSELF.
 - INSTALL TOP OF THERMOSTATS AT 4'-0" ABOVE FINISHED FLOOR (AFF) UNLESS NOTED OTHERWISE. THERMOSTAT LOCATIONS SHALL BE COORDINATED WITH FINAL LOCATIONS OF WALL MOUNTED ARCHITECTURAL AND ELECTRICAL EQUIPMENT. FINAL LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER. THERMOSTATS SHALL NOT BE INSTALLED ON EXTERIOR WALLS IF INTERIOR WALLS ARE AVAILABLE WITHIN SPACE SERVED BY THERMOSTAT. SHOULD THE THERMOSTAT REQUIRE INSTALLATION ON AN EXTERIOR WALL AN INSULATED BACKING PLATE MUST BE PROVIDED TO PREVENT FALSE READINGS BY THE THERMOSTAT.

SYMBOL	DESCRIPTION
	TURNING VANES
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE/SMOKE DAMPER
	SMOKE DETECTOR (BY EC)
	MOTOR OPERATED DAMPER
	DUCTWORK TEMPERATURE SENSOR
	DUCTWORK HUMIDITY SENSOR
	DUCTWORK STATIC PRESSURE SENSOR
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	FLEX DUCT
	HUMIDISTAT/HUMIDITY SENSOR
	THERMOSTAT
	SPACE TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	UNDERCUT DOOR
	RETURN / EXHAUST AIRFLOW DIRECTION
	SUPPLY AIRFLOW DIRECTION
	PIPING DIFFERENTIAL PRESSURE SENSOR
	POINT OF CONNECTION NEW TO EXISTING
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	LINEAR SLOT DIFFUSER
	REMOVE TO POINT AND CAP
	REMOVE TO POINT FOR RECONNECTION
	UNION
	PIPE BRANCH TAKE-OFF FROM BOTTOM
	PIPE BRANCH TAKE-OFF FROM TOP
	PIPE DROP
	PIPE RISE
	AC CONDENSATE DRAIN PIPING

EQUIPMENT DESIGNATION	TAGGING DESCRIPTION
AIR DEVICES - S,R,E,T	EQUIPMENT DESIGNATION TYPE CFM
EQUIPMENT DESIGNATION - AHU, AC, GF, RTU, VAV, EDH, EUH, GUH, PTAC	EQUIPMENT DESIGNATION PLAN DESIGNATION
VFD	SERVICING EQUIPMENT MARK SPECIFIC COMPONENT DESIGNATION

AIR SYSTEM SPECIFIC ABBREVIATIONS			
AC	AIR CONDITIONING	IH	INTAKE HOOD
ACC	AIR COOLED CONDENSER	LAT	LEAVING AIR TEMPERATURE
ACCU	AIR COOLED CONDENSING UNIT	LUVR	LOUVER
ACD	AUTOMATIC CONTROL DAMPER	LUVD	LOUVERED DOOR
ACU	AIR CONDITIONING UNIT	OA	OUTSIDE AIR
AHU	AIR HANDLING UNIT	OAI	OUTSIDE AIR INTAKE
ALD	ACOUSTICALLY LINED DUCT	OBD	OPPOSED BLADE DAMPER
ATD	AIR TERMINAL DEVICE	OED	OPENED END DUCT
BDD	BACKDRAFT DAMPER	(R)	RELOCATED
CC	COOLING COIL	RA	RETURN AIR
CD	CEILING DIFFUSER	RD	REFRIGERANT DISCHARGE
CFM	CUBIC FEET PER MINUTE	RF	RETURN FAN
CG	CEILING GRILLE	RG	RETURN GRILLE
DIFF	DIFFUSER	RL	REFRIGERANT LIQUID
DX	DIRECT EXPANSION	RLF	RELIEF
(E)	EXISTING	RR	RETURN REGISTER
EDH	ELECTRIC DUCT HEATER	RS	REFRIGERANT SUCTION
EF	EXHAUST FAN	RTU	ROOFTOP UNIT
EG	EXHAUST GRILLE	SA	SUPPLY AIR
ER	EXHAUST REGISTER	SD	SMOKE DETECTOR
ERHC	ELECTRIC REHEAT COIL	SMD	SMOKE DAMPER
ESP	EXTERNAL STATIC PRESSURE	FSD	SMOKE/FIRE DAMPER
EUH	ELECTRIC UNIT HEATER	SF	SUPPLY FAN
F	FAN	SG	SUPPLY GRILLE
FA	FREE AREA	SGD	SLIDE GATE DAMPER
FC	FORWARD CURVE	SM	SHEET METAL
FCU	FAN COIL UNIT	SP	STATIC PRESSURE
FD	FIRE DAMPER (W/ACCESS DOOR)	SR	SUPPLY REGISTER
FLTR	FILTER	TE	TOILET EXHAUST
FO	FLAT OVAL	TF	TRANSFER FAN
FPI	FINS PER INCH	TG	TRANSFER GRILLE
GDH	GAS DUCT HEATER	TR	TRANSFER
GE	GENERAL EXHAUST	TSP	TOTAL STATIC PRESSURE
GF	GAS FURNACE	UC	UNDERCUT DOOR
GH	GRAVITY HOOD	VAV	VARIABLE AIR VOLUME
GUH	GAS UNIT HEATER	VD	VOLUME DAMPER
HC	HEATING COIL	WMS	WIRE MESH SCREEN
HV	HEATING AND VENTILATING UNIT		



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DEVITA Project No. 23501-01

CONSULTANT

PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**

18 W. LIBERTY ST
YORK, SC 29745

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DRAWING NAME

**MECHANICAL LEGEND
AND NOTES**

DRAWING NO.

M001

Drawn By: WJS Checked By: DTL

MECHANICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
M001	MECHANICAL LEGEND AND NOTES
M002	MECHANICAL SCHEDULES
M003	MECHANICAL DETAILS
M004	MECHANICAL EQUIPMENT DIAGRAMS
M005	MECHANICAL CONTROLS
M006	MECHANICAL CONTROLS
M100	MECHANICAL DEMOLITION PLAN - BASEMENT
M101	MECHANICAL DEMOLITION PLAN - 1ST FLOOR
M102	MECHANICAL DEMOLITION PLAN - 2ND FLOOR & ATTIC
M200	MECHANICAL PLAN - BASEMENT
M201	MECHANICAL PLAN - 1ST FLOOR
M202	MECHANICAL PLAN - 2ND FLOOR & ATTIC

VARIABLE REFRIGERANT FLOW SCHEDULE (MULTI-SPLIT)

Table with columns for VRF SYSTEM - OUTDOOR UNIT (MARK, DESIGN BASIS, TONNAGE, TYPE, COOLING CAPACITY, HEATING CAPACITY, ELECTRICAL, EER, IEER) and VRF SYSTEM - INDOOR UNITS (MARK, DESIGN BASIS, TYPE, TONS, CFM, ESP, COOLING CAPACITY, HEATING CAPACITY, ELECTRICAL, REMARKS).

100% OUTDOOR AIR SPLIT SYSTEM VRF HEAT PUMP SCHEDULE

Table with columns for MARK, OUTSIDE UNIT, AREA SERVED, NOMINAL TONS, DESIGN BASIS MANUF., HEAT PUMP (OUTSIDE UNIT), AIR HANDLING UNIT (INSIDE UNIT), and NOTES.

BRANCH CIRCUIT CONTROLLER SCHEDULE

Table with columns for MARK, SYSTEM SERVED, DESIGN BASIS MANUFACTURER MODEL, TYPE, NUMBER OF PORTS, ELECTRICAL, and NOTES.

BI-POLAR IONIZATION SCHEDULE

Table with columns for TAG, SERVES, DESIGN BASIS MANUFACTURER MODEL, TYPE, VOLTAGE, and NOTES.

CONDENSATE PUMP SCHEDULE

Table with columns for TAG, SERVICE, DESIGN BASIS MANUFACTURER MODEL, TYPE, MAX GPH, MAX HEAD, MAX LIFT, MOTOR, and NOTES.

FAN SCHEDULE

Table with columns for MARK, DESIGN BASIS MANUFACTURER MODEL, AREA SERVED, SERVICE, TYPE, CFM, STATIC PRESSURE, NOMINAL RPM, DRIVE TYPE, ELECTRICAL, MOTOR HP, CONTROL, SONES, WEIGHT, and NOTES.

ELECTRIC DUCT HEATER SCHEDULE

Table with columns for MARK, DESIGN BASIS MANUFACTURER MODEL, DUCT COIL SIZE, CFM, HEAT, UNIT SERVED, ELECTRICAL DATA, and NOTES.

DAMPER SCHEDULE

Table with columns for BASIS OF DESIGN, ROUND SMOKE DAMPER, RECTANGULAR SMOKE DAMPER, and CLASS I LEAKAGE RATED.

AIR DISTRIBUTION SCHEDULE

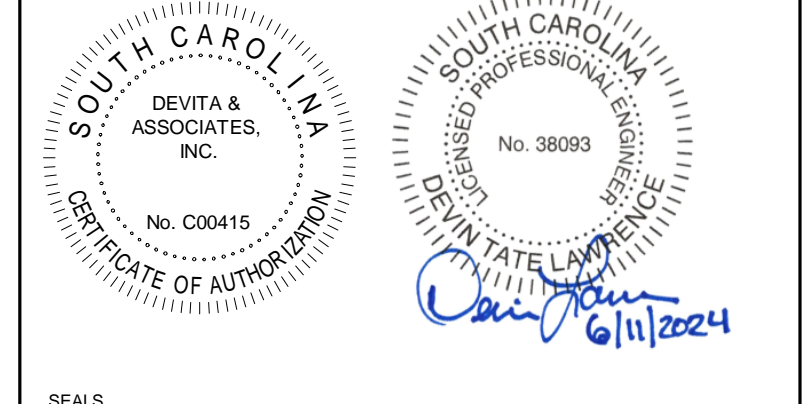
Table with columns for MARK, TYPE, DESCRIPTION, DESIGN BASIS, FACE SIZE, NECK SIZE, MATERIAL, and NOTES.

VENTILATION COMPLIANCE SCHEDULE DOAS-1

Table with columns for UNIT MARK, AREA SERVED, AREA (FT²), PEOPLE PER 1000 FT², NUMBER OF PEOPLE, AIRFLOW PER PERSON, AIRFLOW PER FT², OUTSIDE AIR REQUIRED (CFM), TOTAL OUTSIDE AIR REQUIRED (CFM), and TOTAL OUTSIDE AIR PROVIDED (CFM).

VENTILATION COMPLIANCE SCHEDULE DOAS-2

Table with columns for UNIT MARK, AREA SERVED, AREA (FT²), PEOPLE PER 1000 FT², NUMBER OF PEOPLE, AIRFLOW PER PERSON, AIRFLOW PER FT², OUTSIDE AIR REQUIRED (CFM), TOTAL OUTSIDE AIR REQUIRED (CFM), and TOTAL OUTSIDE AIR PROVIDED (CFM).



PROJECT INFORMATION: 33 Villa Road, Suite 300 Greenville, SC 29615 www.devitainc.com 877.4.DEVITA corp@devitainc.com DEVITA Project No. 23501-01

YORK COUNTY PLANNING FACILITY HVAC UPGRADES

18 W. LIBERTY ST YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

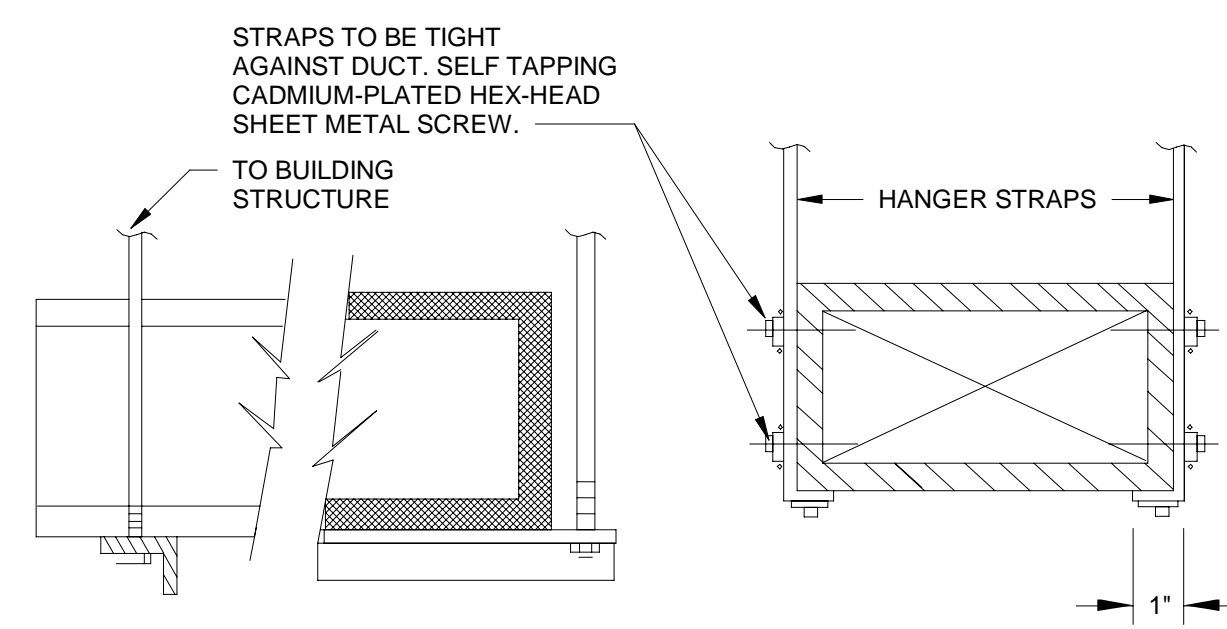
Table with columns for NO., DATE, and DESCRIPTION.

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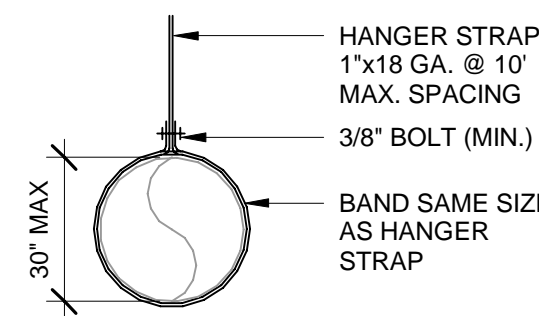
DRAWING NAME: MECHANICAL SCHEDULES

DRAWING NO. M002

Drawn By: WJS Checked By: DTL

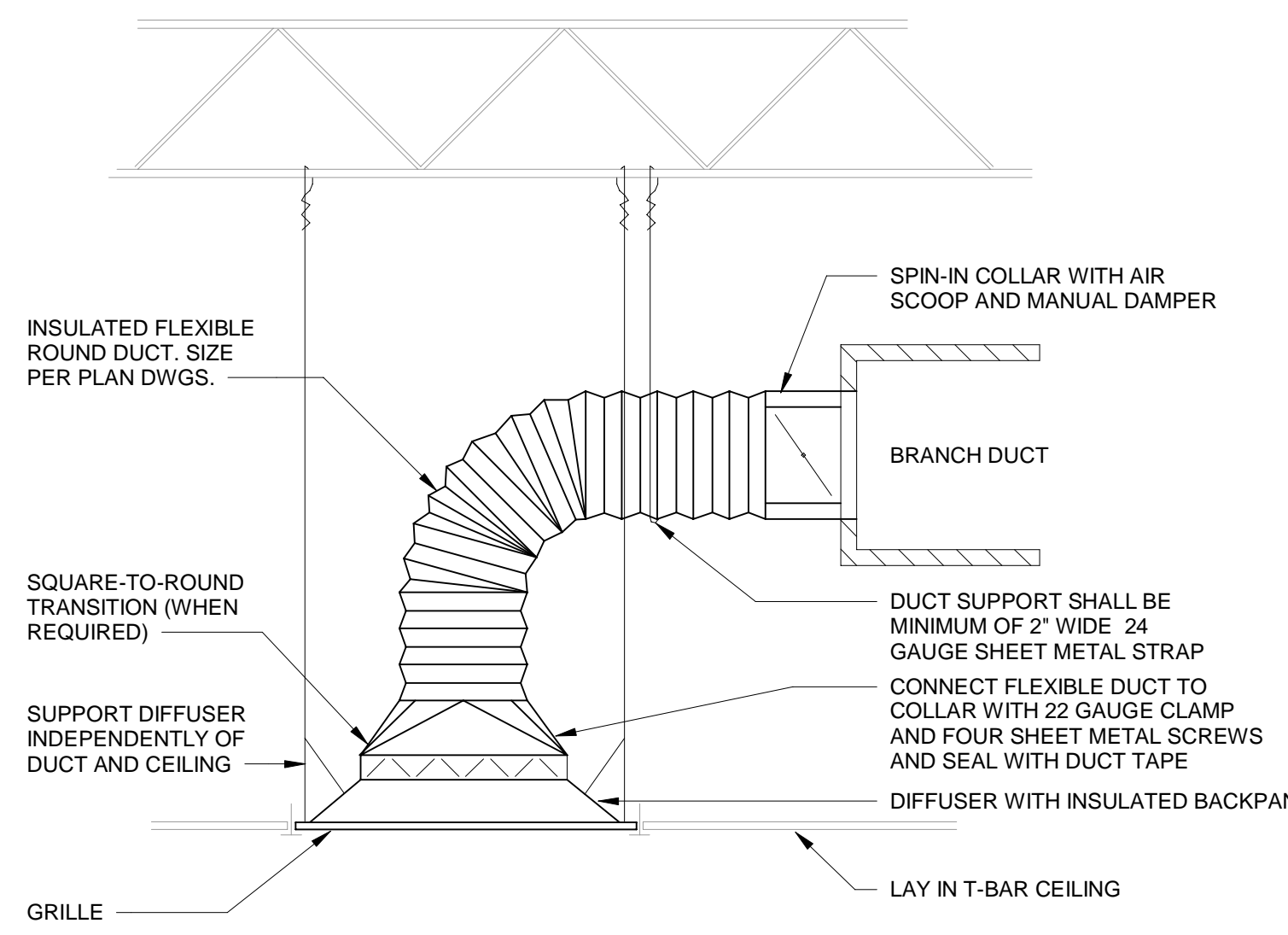


HANGER SIZES FOR RECTANGULAR DUCTS			
MAX. SIDE	HANGER	SUPPORT ANGLE HORIZONTAL	SPACING MAXIMUM
30"	1"x1/8" GAUGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1-1/2" x 1-1/2" x 1/8"	8'-0"
48"	1/4" ROUND ROD	2" x 2" x 1/8"	8'-0"
60"	5/16" ROUND ROD	2" x 2" x 1/8"	8'-0"
84"	3/8" ROUND ROD	2" x 2" x 1/8"	8'-0"

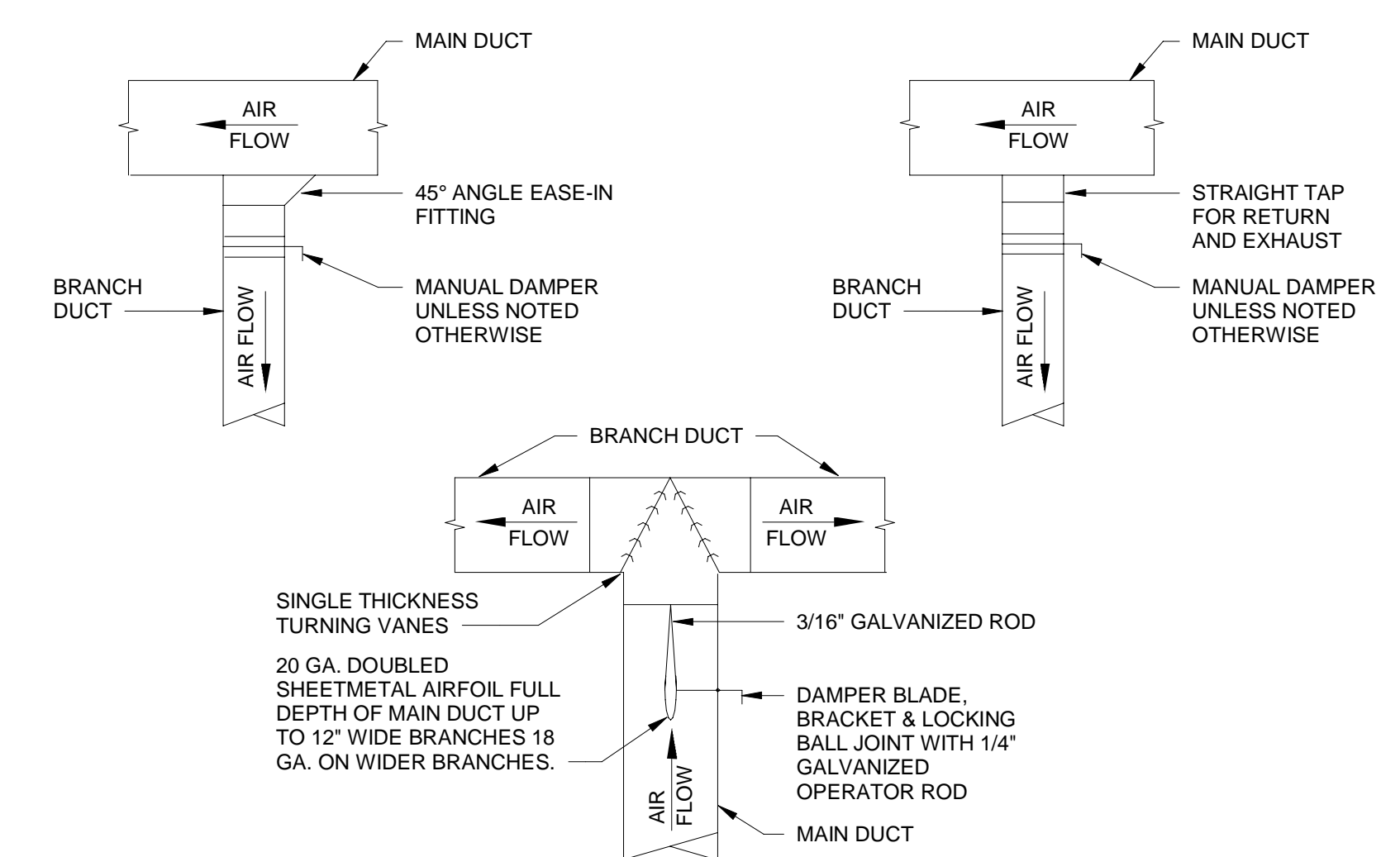


1 DUCT HANGER SIZING FOR RECTANGULAR NOT TO SCALE

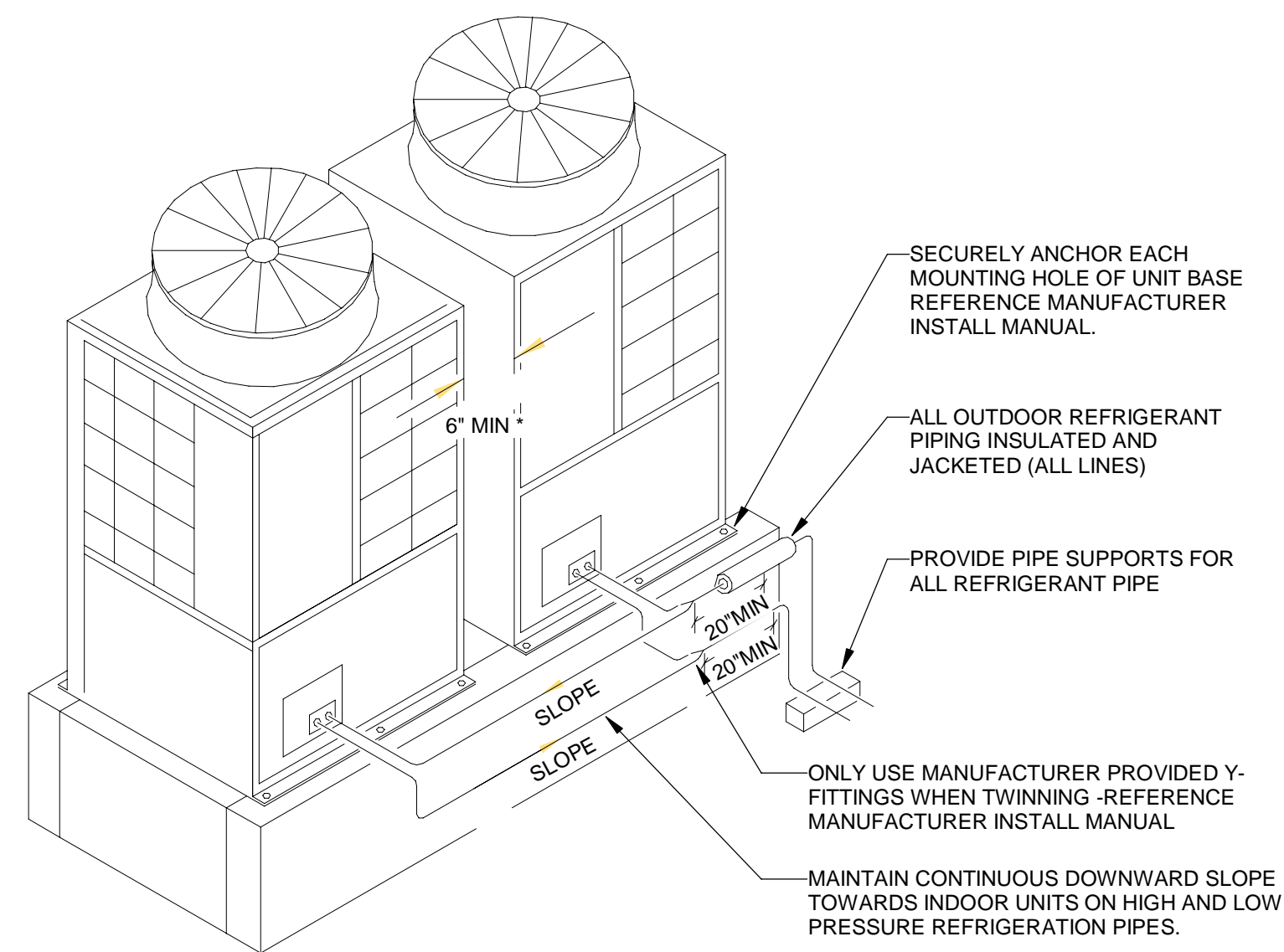
2 DUCT HANGER SIZING FOR ROUND NOT TO SCALE



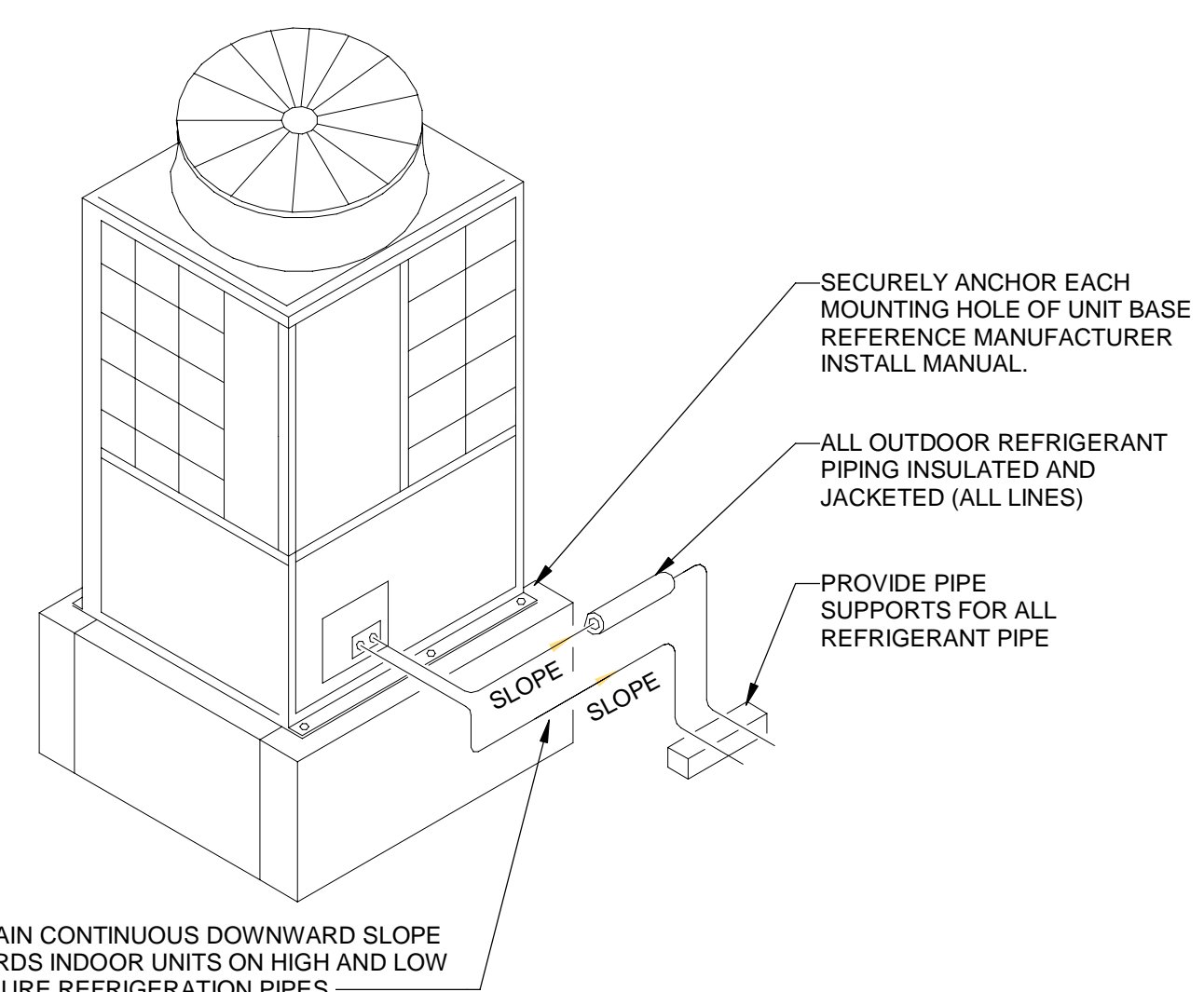
3 SUPPLY DIFFUSER INSTALLATION (FLEX DUCT) NOT TO SCALE



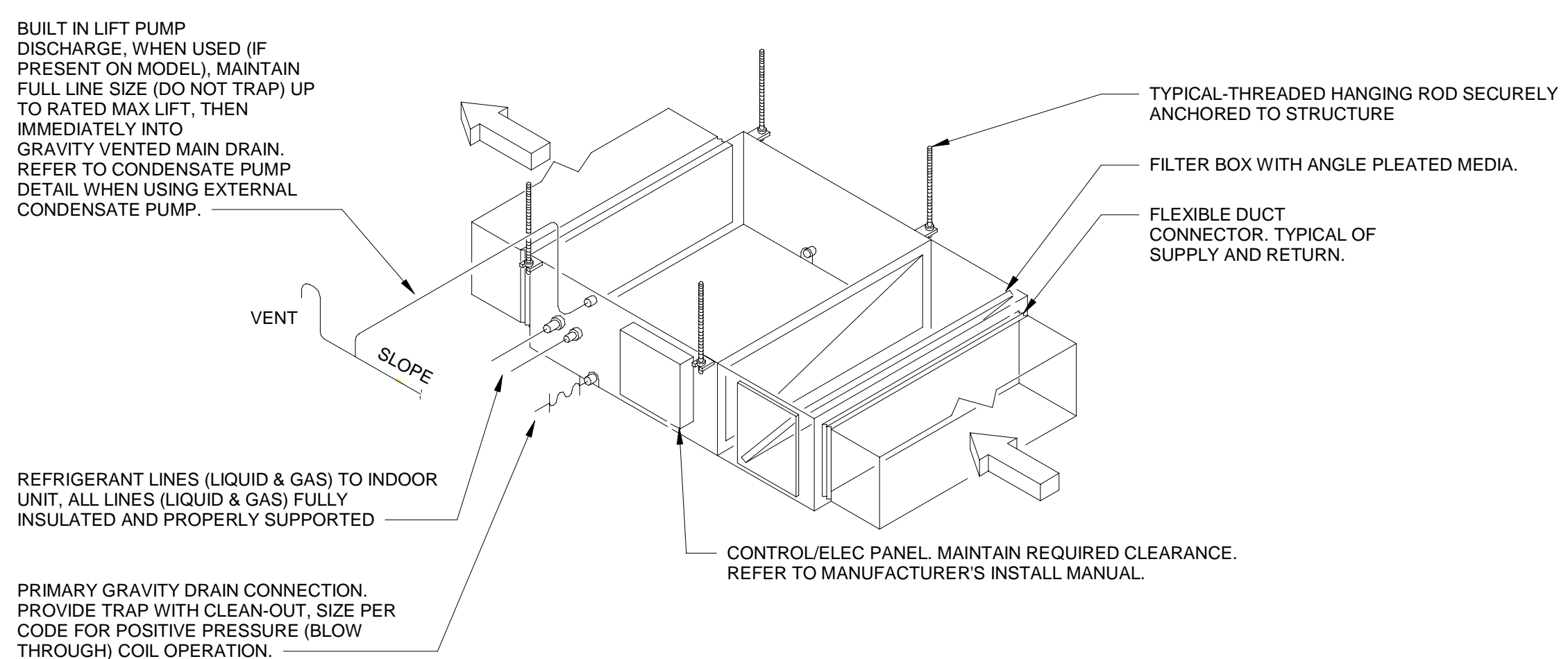
4 TYPICAL RECTANGULAR LOW-PRESSURE BRANCH TAKE-OFFS NOT TO SCALE



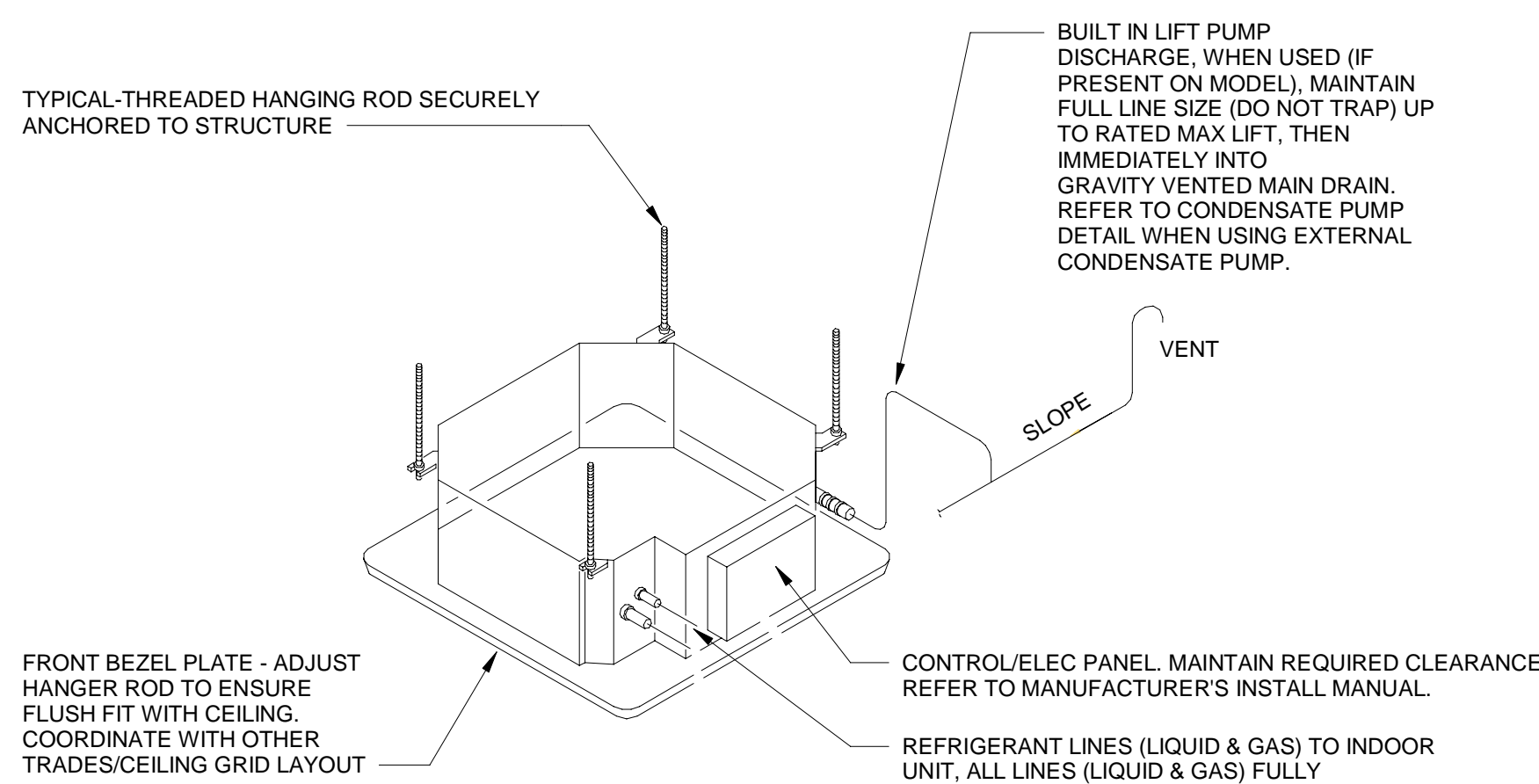
5 VRF OUTDOOR UNIT - TWINNED NOT TO SCALE



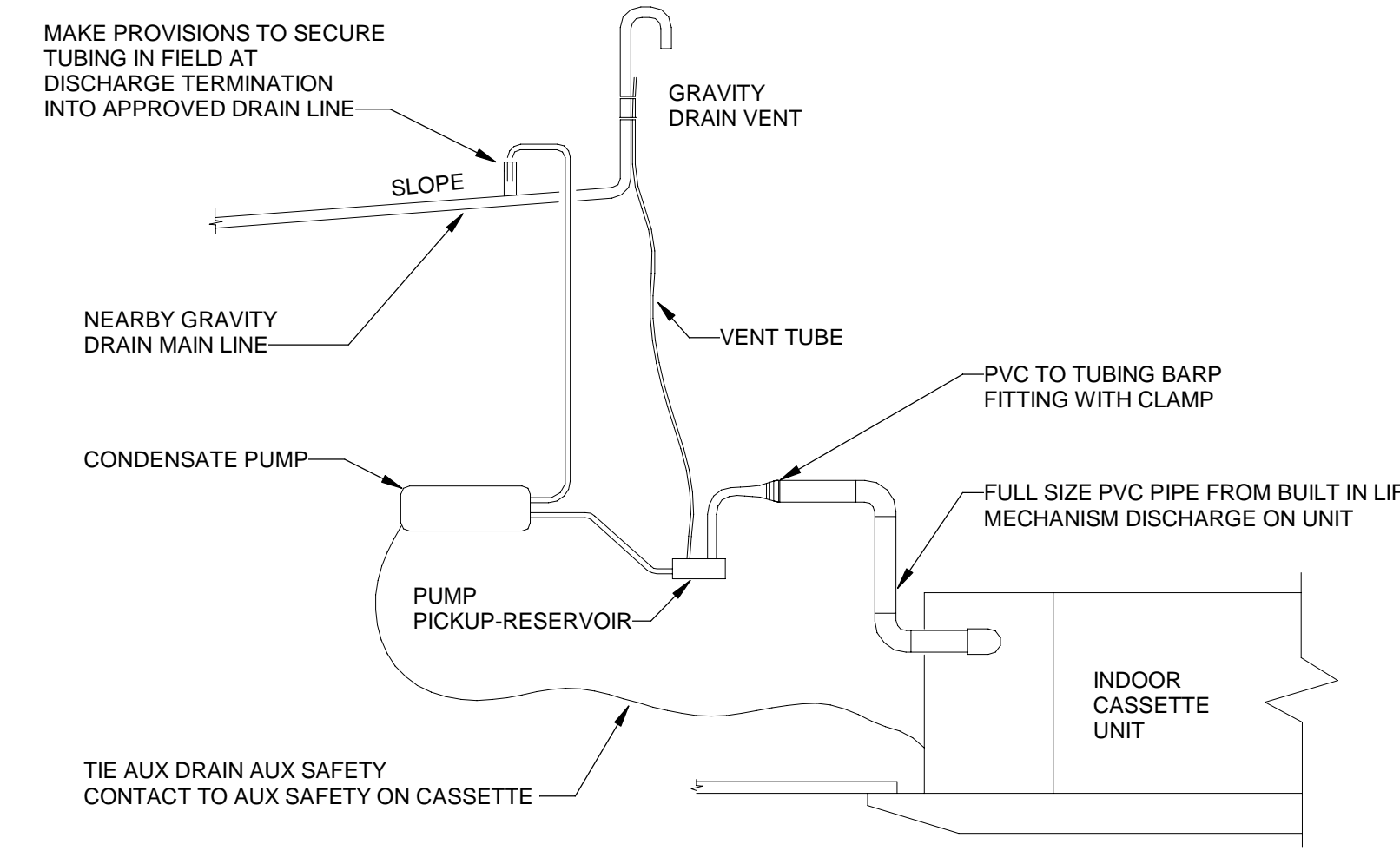
6 VRF OUTDOOR UNIT - SINGLE NOT TO SCALE



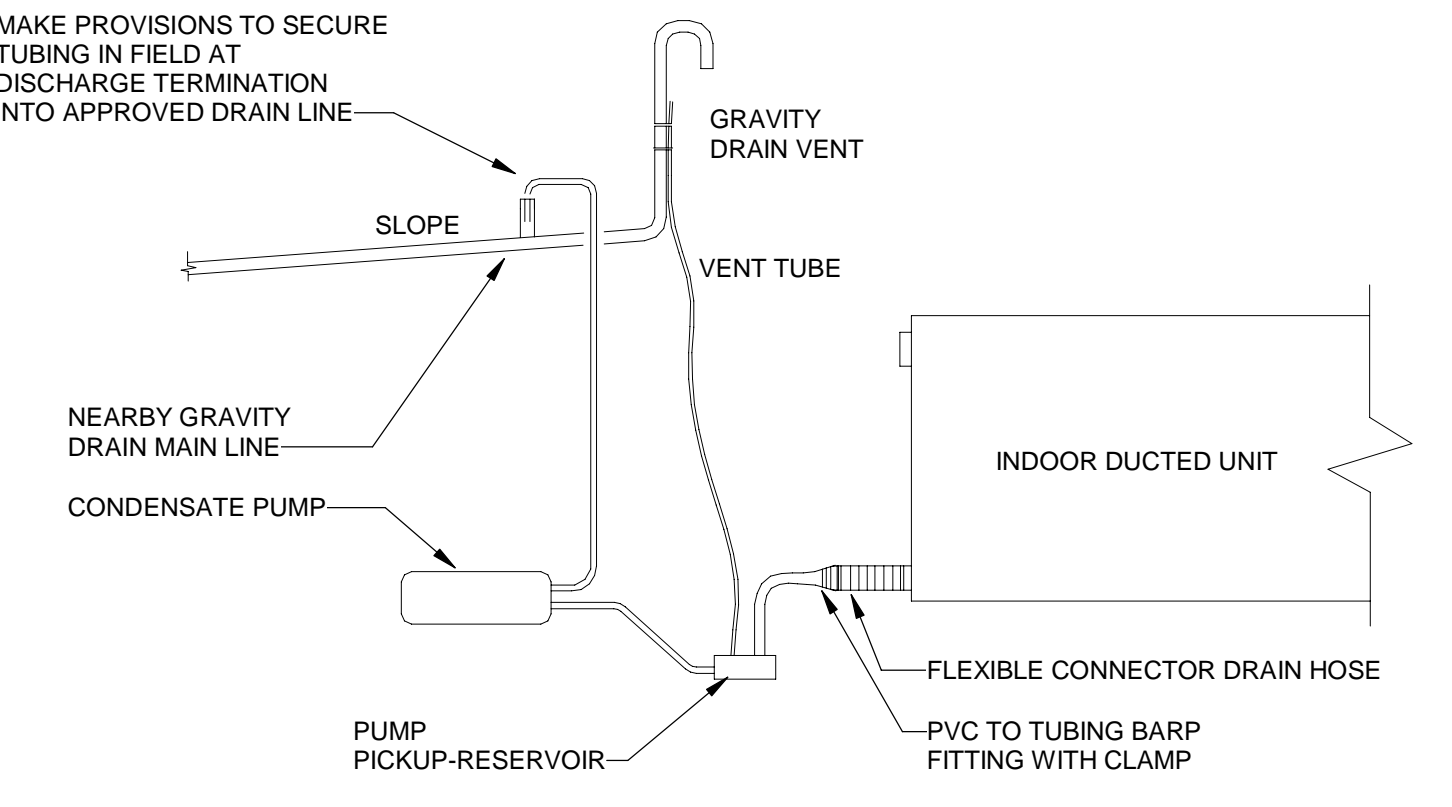
7 VRF DUCTED INDOOR UNIT NOT TO SCALE



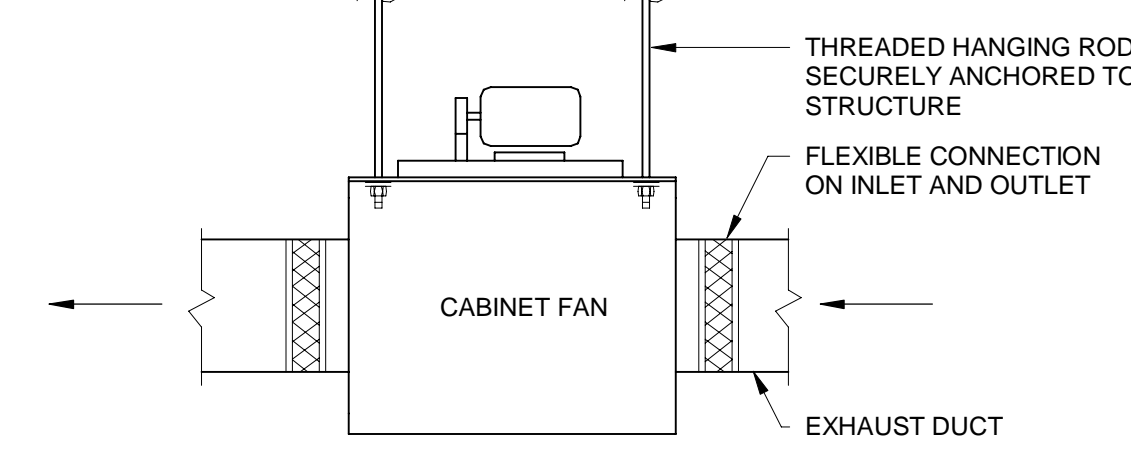
8 VRF CASSETTE INDOOR UNIT NOT TO SCALE



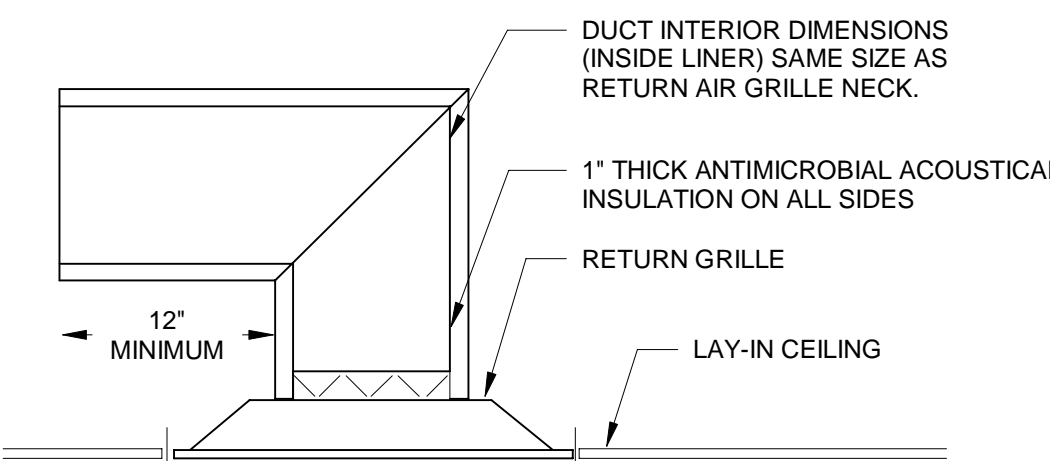
9 CONDENSATE PUMP ON INDOOR CASSETTE UNIT NOT TO SCALE



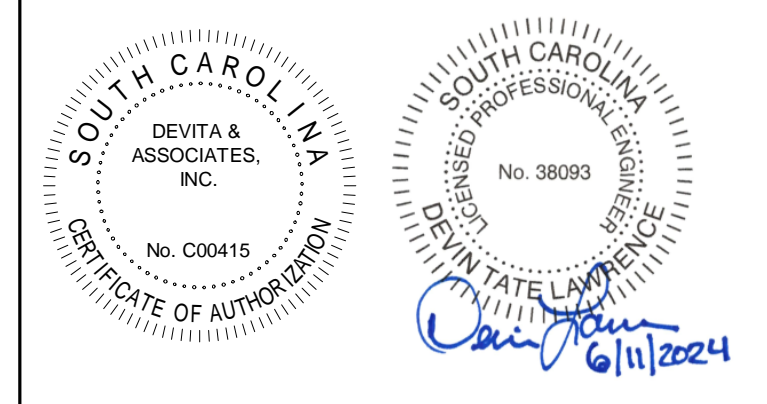
10 CONDENSATE PUMP ON INDOOR DUCTED UNIT NOT TO SCALE



11 INLINE CABINET FAN NOT TO SCALE



12 PLENUM RETURN GRILLE WITH SOUND ATTENUATION NOT TO SCALE



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DEVITA Project No. 23501-01

PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**
18 W. LIBERTY ST
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

REVISIONS		
NO.	DATE	DESCRIPTION

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DRAWING NAME
MECHANICAL DETAILS

DRAWING NO.
M003
Drawn By: WJS Checked By: DTL

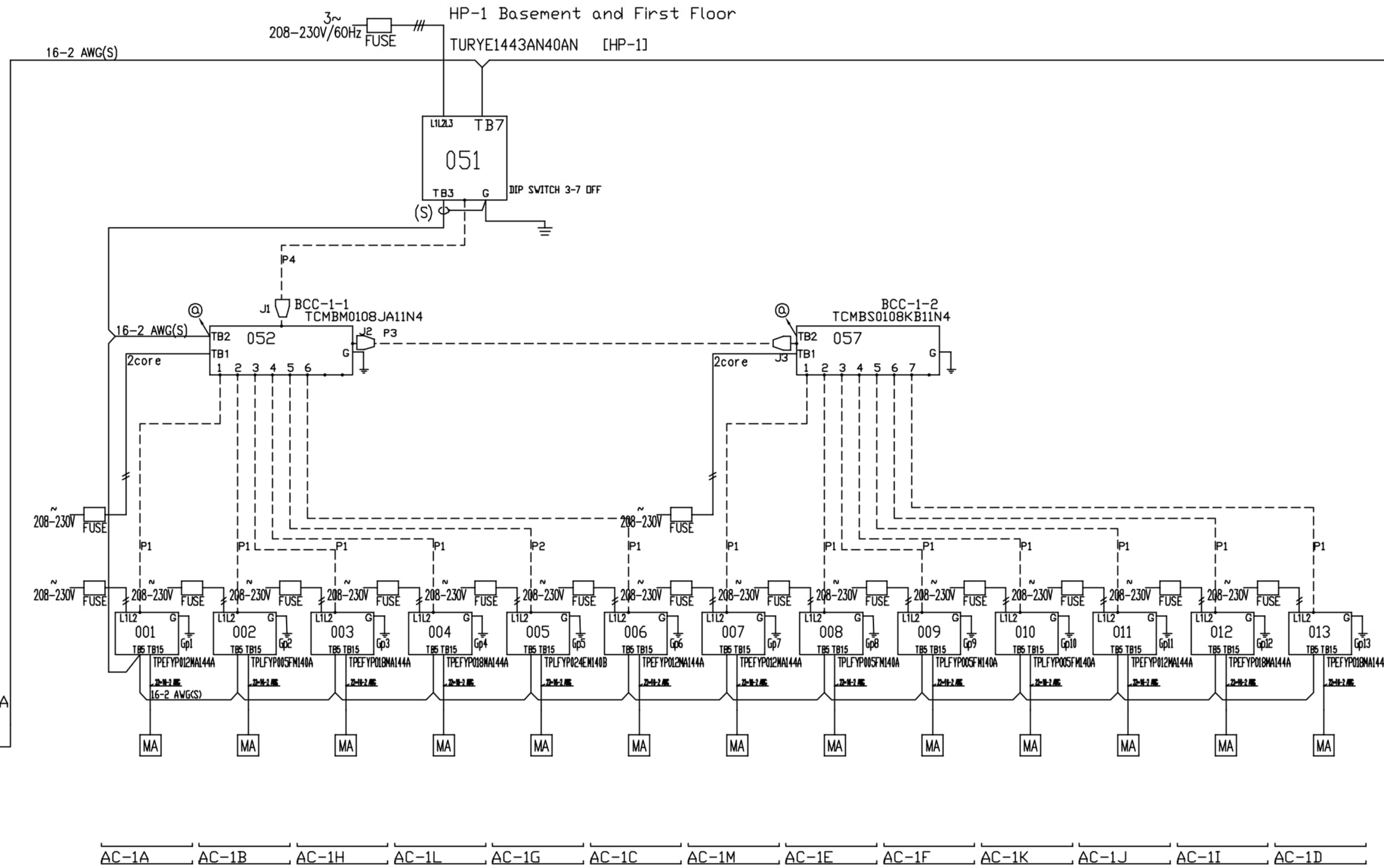
DIAGRAM SYMBOL LEGEND	CONT. NO.	PAGE
--- POWER WIRE		
--- CONTROL WIRE		
--- REF. PIPE		

CITY MULTI
SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm(16 AWG) : 1.25mm(16 AWG) or more. 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).

Coded Notes:
NOTE 1: Install twinning 'Y's within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when twinning, and pipe slope requirements.

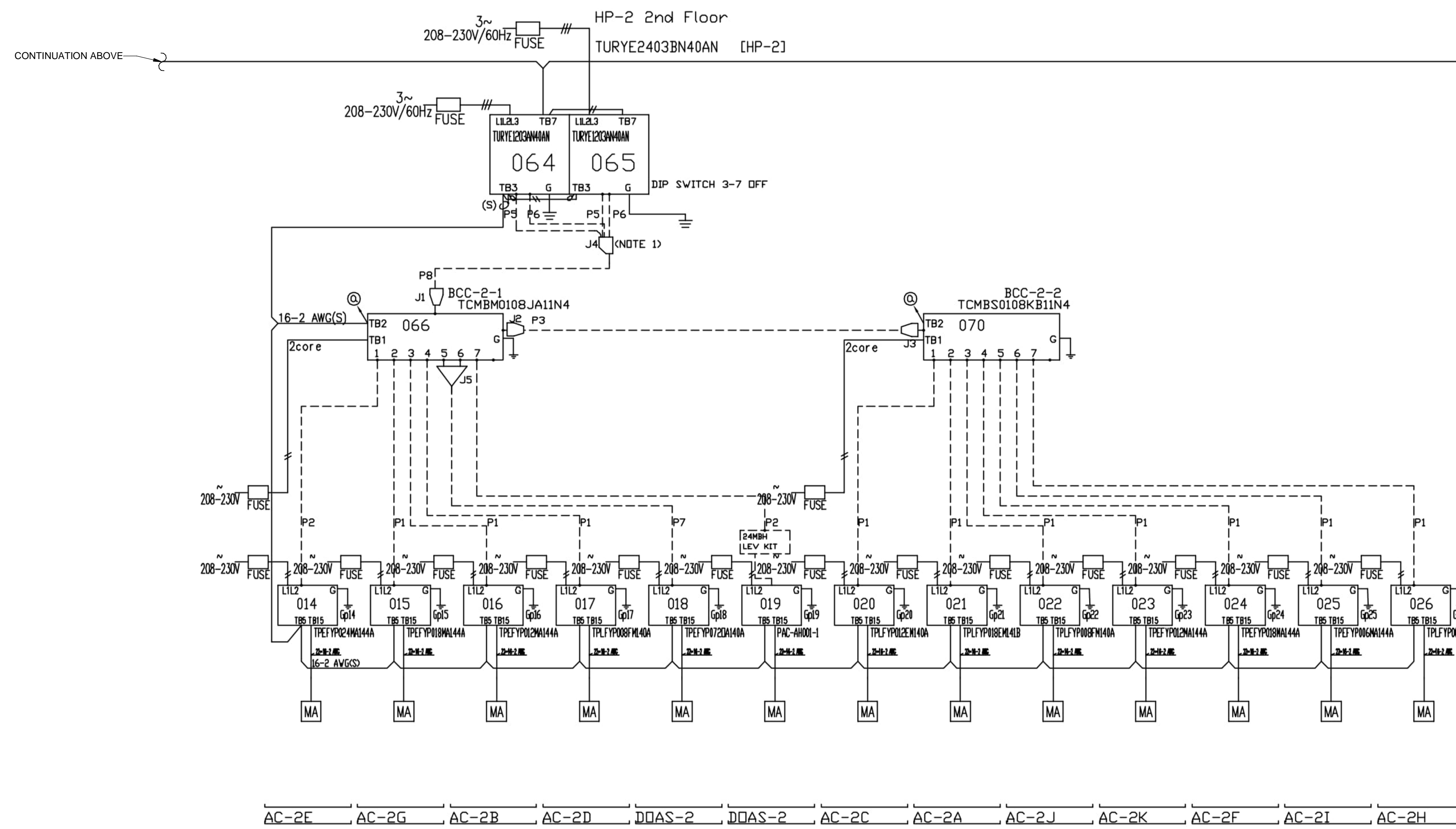
SYMBOL	PIPE / GAS PIPE SIZE
P1	1/4" / 1/2"
P2	3/8" / 5/8"
P3	3/8" / 3/4" / 7/8"
P4	7/8" / 1-1/8"
P5	3/4" /
P6	1-1/8" /
P7	3/8" / 3/4"
P8	7/8" / 1-3/8"
P9	3/8" / 7/8"
P10	3/4" / 1-1/8"
SYMBOL	MODEL NUMBER
MA	TR-40W4U
MA	TR-50W4U-J



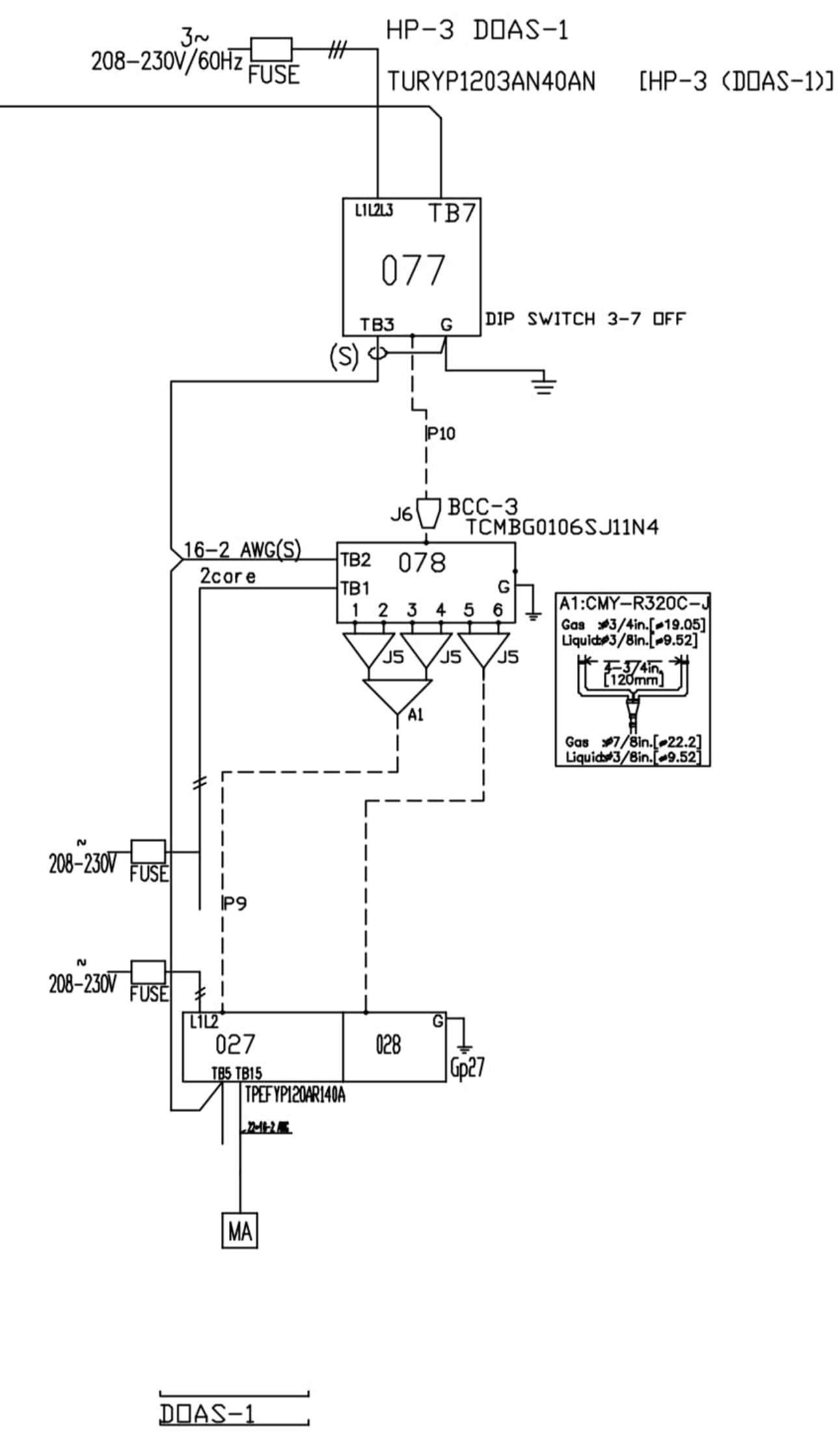
Diamond System Builder
s.w: 5.2.0.33
o.b: 5.2.0.15
1/19/2024
8:13 AM

REMARKS
Originator: Joe Holman
Comments:

AC-1A AC-1B AC-1H AC-1L AC-1G AC-1C AC-1M AC-1E AC-1F AC-1K AC-1J AC-1I AC-1D



AC-2E AC-2G AC-2B AC-2D DDAS-2 DDAS-2 AC-2C AC-2A AC-2J AC-2K AC-2F AC-2I AC-2H



DDAS-1

GENERAL NOTE REGARDING UNIT DIAGRAMS:
THESE DIAGRAMS ARE BY THE BASIS OF DESIGN MANUFACTURER AND ARE REPRODUCED HEREIN FOR REFERENCE ONLY. REFER TO THE LATEST EDITION OF THE SELECTED SYSTEM MANUFACTURER'S INSTALLATION AND OPERATING DOCUMENTATION FOR EXACT REQUIREMENTS. THE CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF THIS SYSTEM, AND WHERE A DISCREPANCY REGARDING SPECIFIC EQUIPMENT OPERATING OR CONNECTION REQUIREMENTS EXISTS BETWEEN THE DETAILS REPRODUCED HEREIN AND THE SELECTED MANUFACTURER'S LATEST DOCUMENTATION, THE LATTER SHALL TAKE PRECEDENCE.

SEALS

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CONSULTANT

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HVAC UPGRADES**

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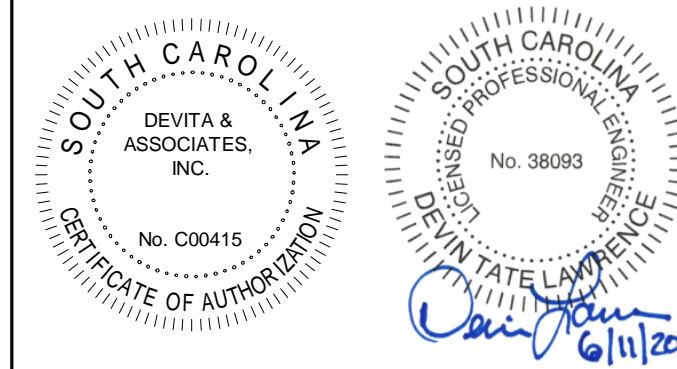
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NO.	DATE	DESCRIPTION

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DRAWING NAME
**MECHANICAL
EQUIPMENT
DIAGRAMS**

DRAWING NO.
M004
Drawn By: WJS Checked By: DTL



DEMOLITION NOTES:

- A. DEMOLISH AND REMOVE EXISTING AIR HANDLERS, AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, REFRIGERANT PIPING, AIR TERMINALS, CONDENSATE PIPING, ETC.
- B. ALL UNIT HEATERS ARE EXISTING TO REMAIN.
- C. THE HVAC SYSTEM ASSOCIATED WITH COOLING THE EXISTING SERVER ROOM IS EXISTING TO REMAIN IN ITS ENTIRETY.



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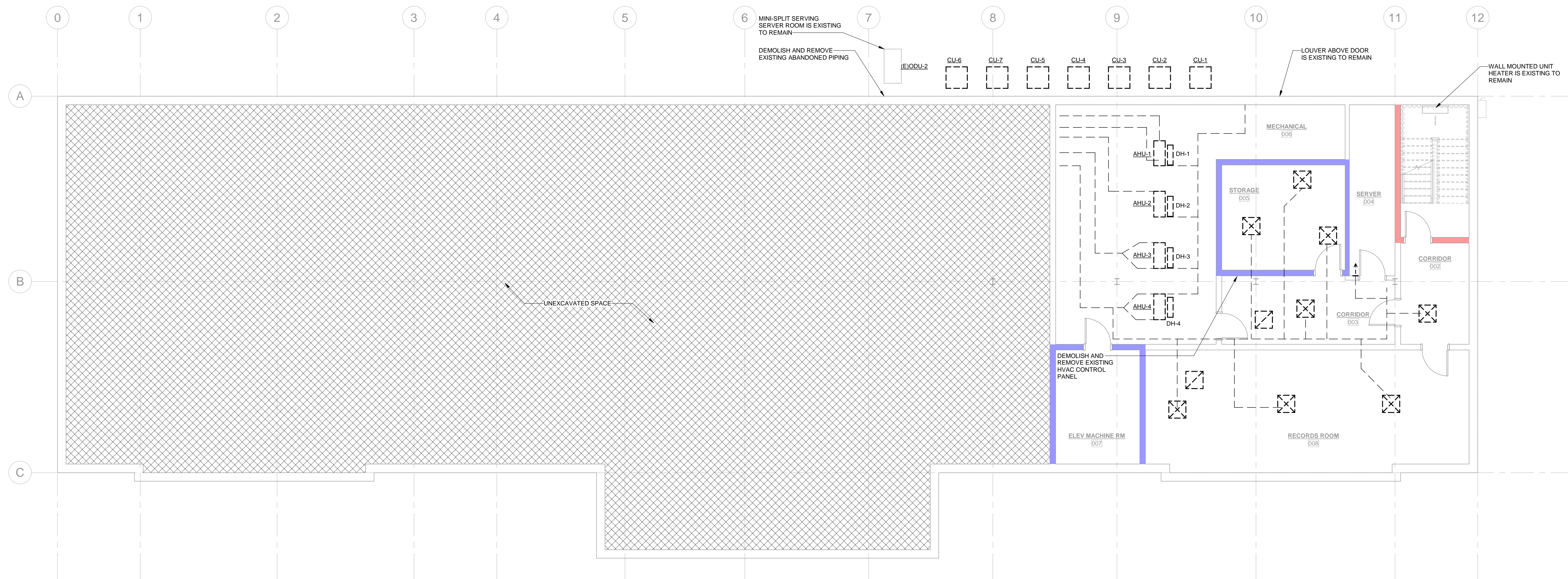
DRAWING NAME

**MECHANICAL
 DEMOLITION PLAN -
 BASEMENT**

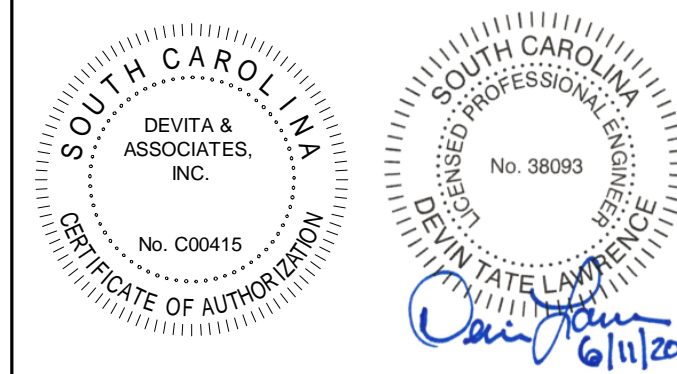
DRAWING NO.

M100

Drawn By: WJS Checked By: DTL



1 MECHANICAL DEMOLITION PLAN - BASEMENT
 M100 3/16" = 1'-0"
 0 4 8 12 16



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DEMOLITION NOTES:

- A. DEMOLISH AND REMOVE EXISTING AIR HANDLERS, AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, REFRIGERANT PIPING, AIR TERMINALS, CONDENSATE PIPING, ETC.
- B. ALL UNIT HEATERS ARE EXISTING TO REMAIN.
- C. ALL EXHAUST SYSTEMS ARE EXISTING TO REMAIN, OTHER THAN THE EXISTING EXHAUST FAN IN ATTIC TO BE REPLACED.

DEMOLITION KEY NOTES:

- 1. RETURN AIR CHASE TO BASEMENT IS EXISTING TO REMAIN. REMOVE EXISTING DUCTWORK CONNECTED TO AIR HANDLERS IN BASEMENT. COVER OPEN END OF DUCT WITH HARDWARE MESH SCREEN.

CONSULTANT

PROJECT INFORMATION:

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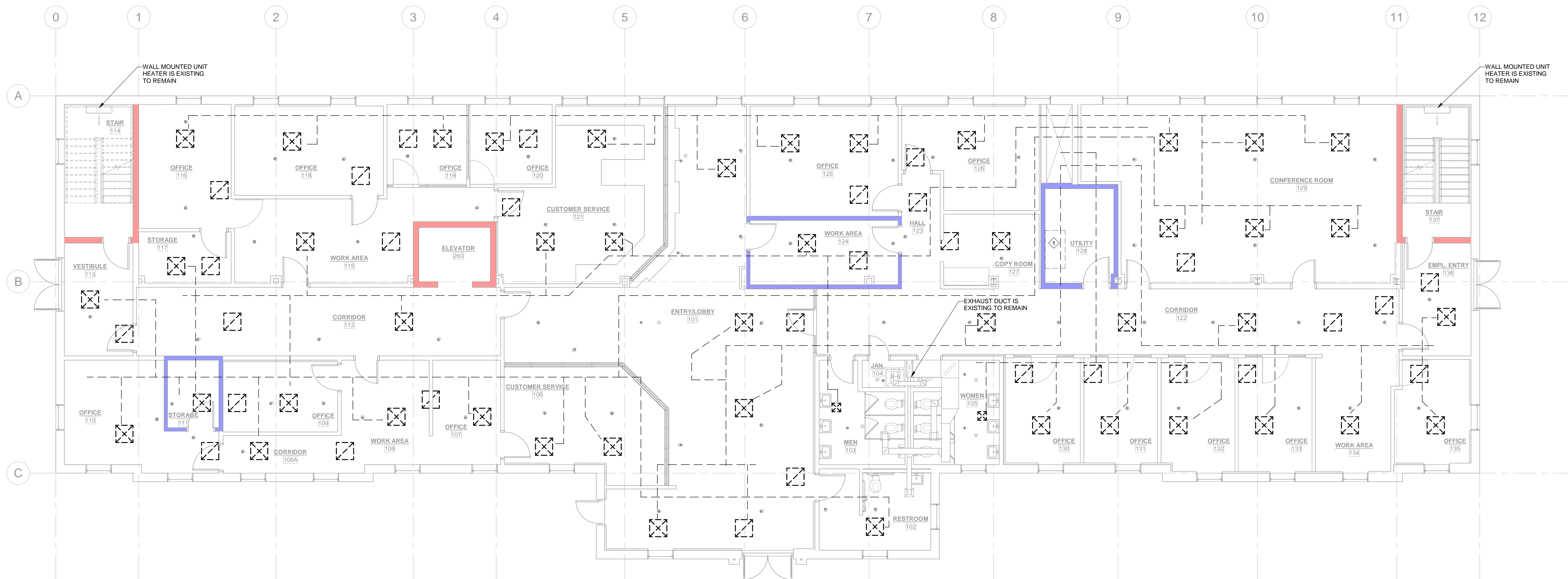
DRAWING NAME

**MECHANICAL
DEMOLITION PLAN -
1ST FLOOR**

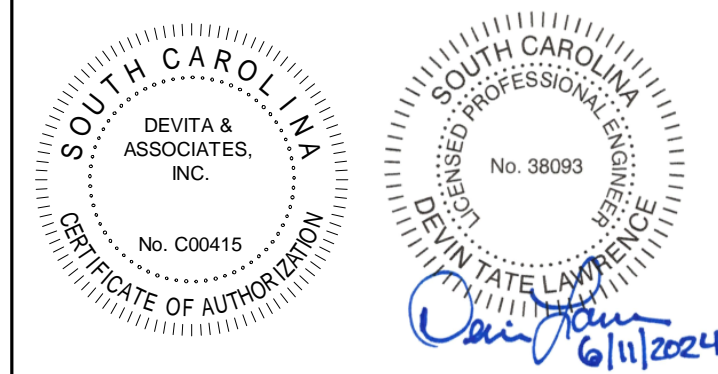
DRAWING NO.

M101

Drawn By: WJS Checked By: DTL



1
MECHANICAL DEMOLITION PLAN - 1ST FLOOR
3/16" = 1'-0"
0 4 8 12 16



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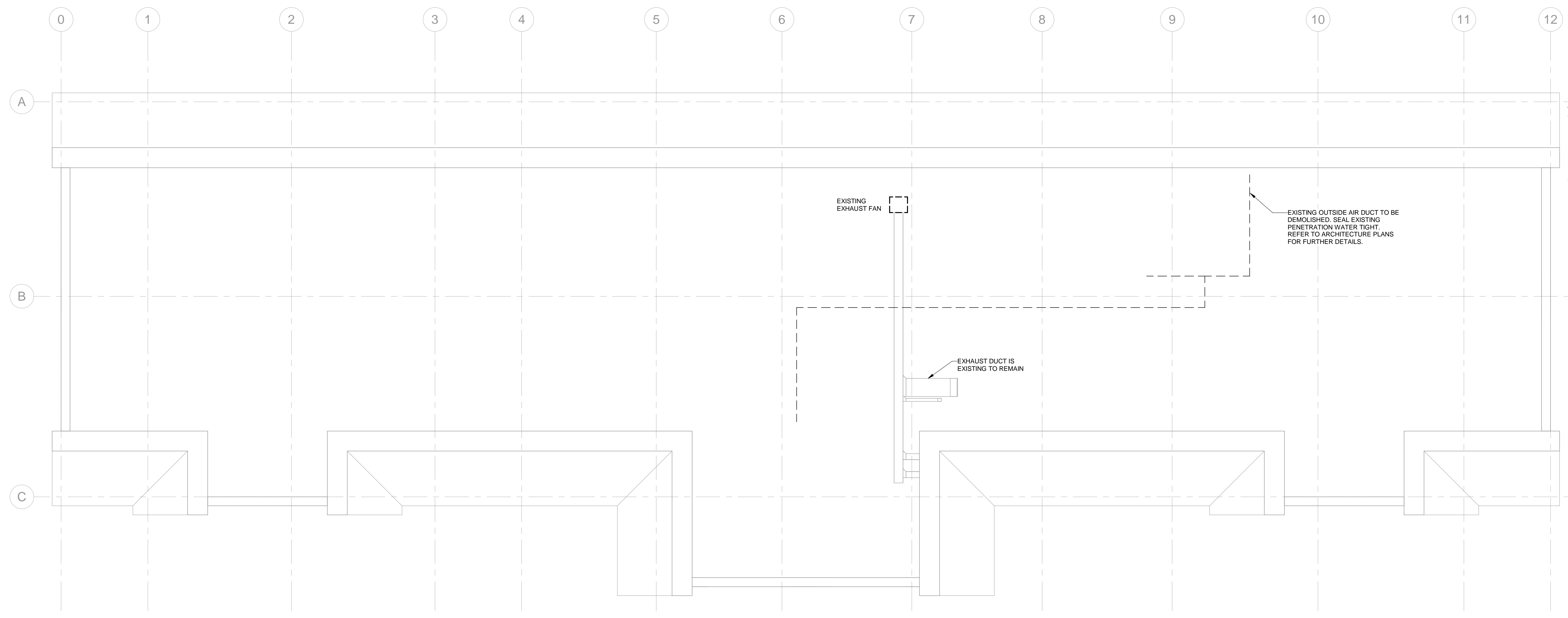
DRAWING NAME

**MECHANICAL
 DEMOLITION PLAN -
 2ND FLOOR & ATTIC**

DRAWING NO.

M102

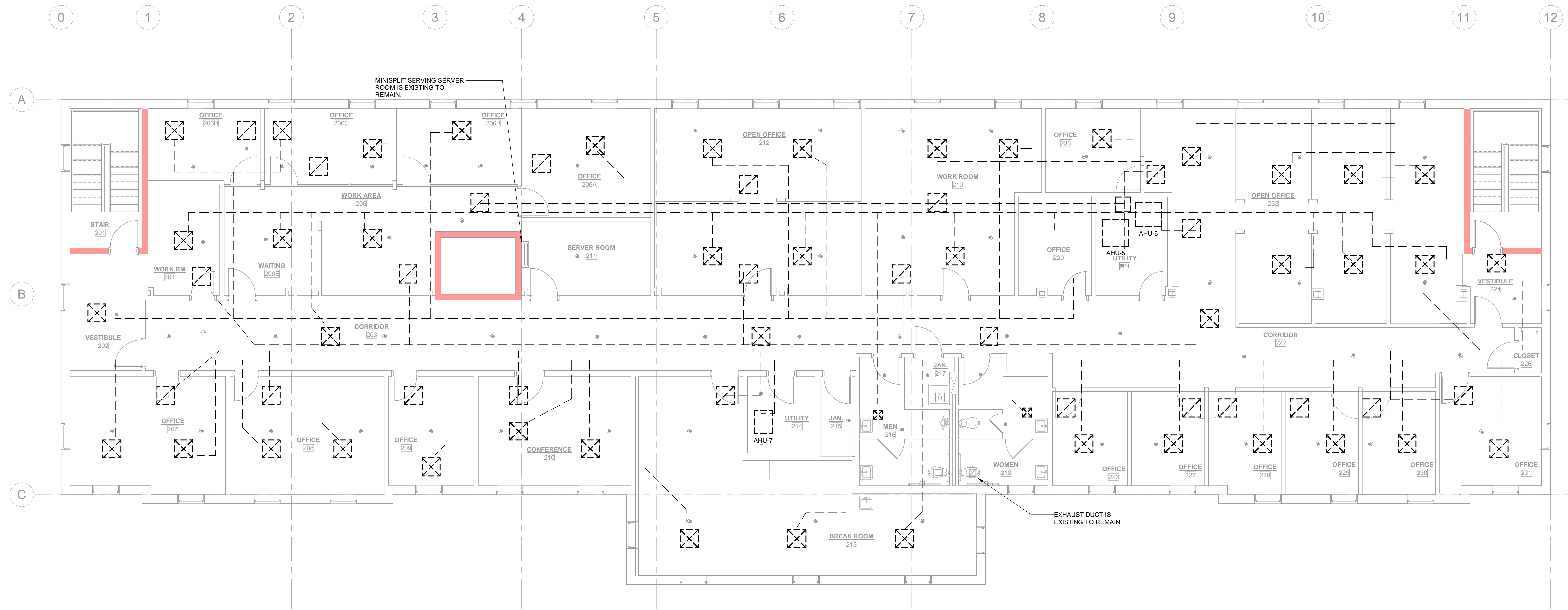
Drawn By: WJS Checked By: DTL



- DEMOLITION NOTES:**
- A. DEMOLISH AND REMOVE EXISTING AIR HANDLERS, AND ASSOCIATED OUTDOOR UNITS, DUCTWORK, REFRIGERANT PIPING, AIR TERMINALS, CONDENSATE PIPING, ETC.
 - B. ALL EXHAUST SYSTEMS ARE EXISTING TO REMAIN, OTHER THAN THE EXISTING EXHAUST FAN IN ATTIC TO BE REPLACED.
 - C. THE HVAC SYSTEM ASSOCIATED WITH COOLING THE EXISTING SERVER ROOM IS EXISTING TO REMAIN IN ITS ENTIRETY.

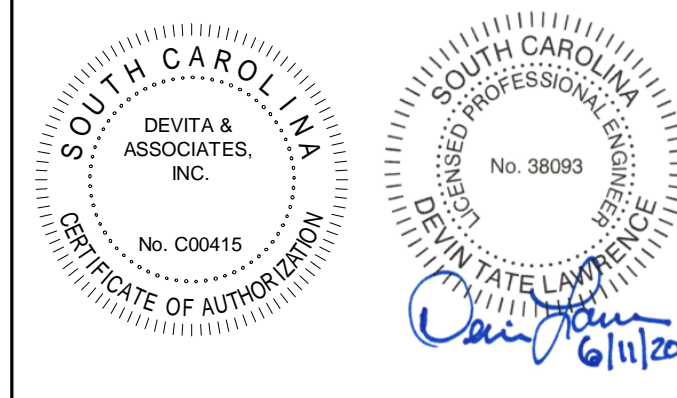
2 MECHANICAL DEMOLITION PLAN - ATTIC

M102 3/16" = 1'-0"



1 MECHANICAL DEMOLITION PLAN - 2ND FLOOR

M102 3/16" = 1'-0"



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DEVITA Project No. 23501-01

GENERAL MECHANICAL NOTES:

- A. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

MECHANICAL KEY NOTES:

1. RETURN AIR CHASE TO BASEMENT IS EXISTING TO REMAIN. REMOVE EXISTING DUCTWORK CONNECTED TO AIR HANDLERS IN BASEMENT. COVER OPEN END OF DUCT WITH HARDWARE MESH SCREEN.
2. CONDENSATE TO DISCHARGE TO EXISTING FLOOR DRAIN, WITH CODE APPROVED AIR GAP.

CONSULTANT

PROJECT INFORMATION:

YORK COUNTY PLANNING FACILITY HVAC UPGRADES

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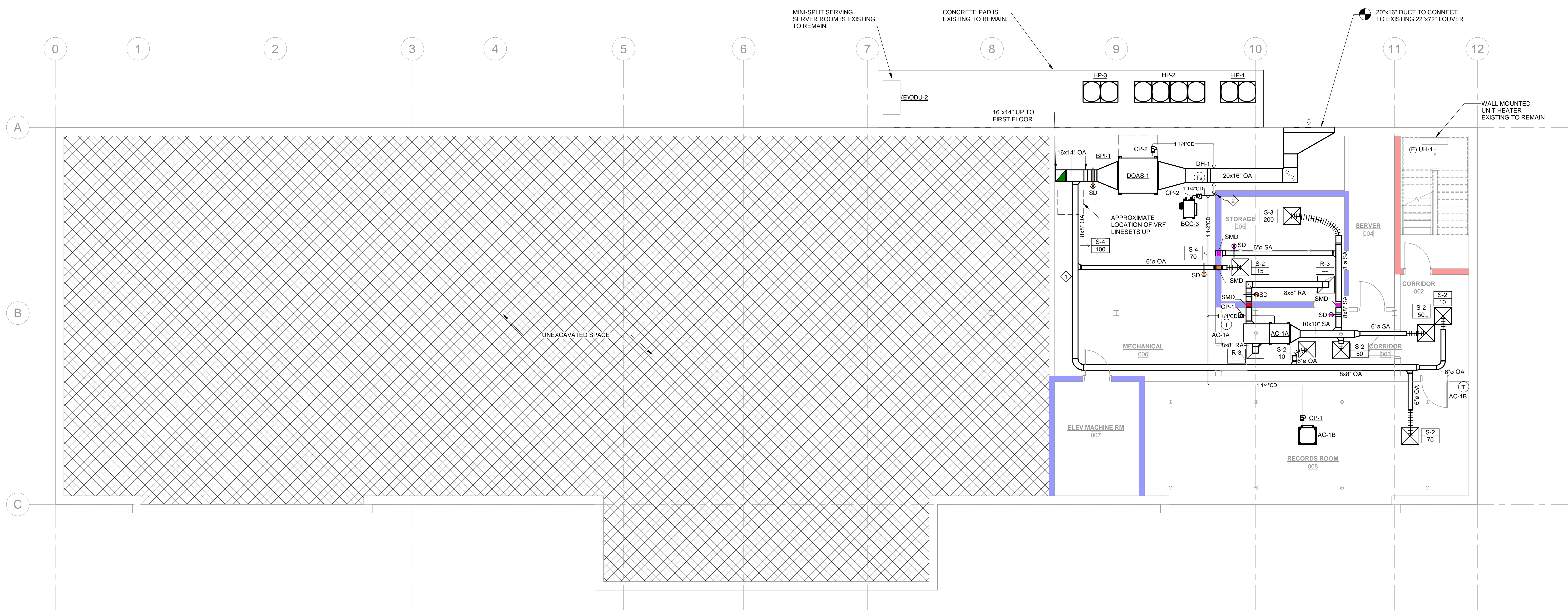
DRAWING NAME

MECHANICAL PLAN - BASEMENT

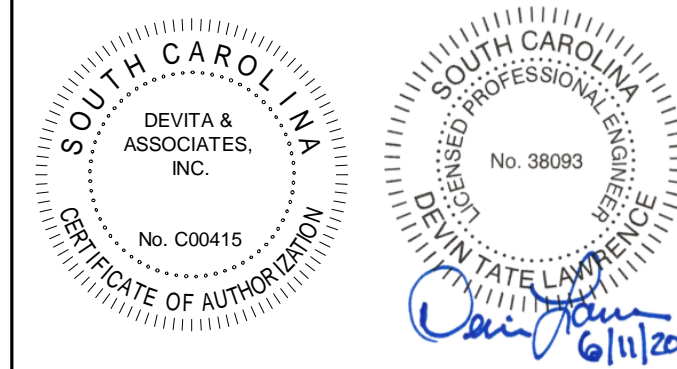
DRAWING NO.

M200

Drawn By: WJS Checked By: DTL



1 MECHANICAL PLAN - BASEMENT
 M200
 3/16" = 1'-0"
 0 4 8 12 16



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DEVITA Project No. 23501-01

GENERAL MECHANICAL NOTES:

A. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

MECHANICAL KEY NOTES:

- RETURN AIR CHASE TO BASEMENT IS EXISTING TO REMAIN. REMOVE EXISTING DUCTWORK CONNECTED TO AIR HANDLERS IN BASEMENT. COVER OPEN END OF DUCT WITH HARDWARE MESH SCREEN.
- CONDENSATE TO DISCHARGE TO MOP SINK, LOCATED IN JANITORS CLOSET, WITH CODE APPROVED AIR GAP.
- AIR HANDLER UTILIZES A RETURN AIR PLENUM. EXTEND FULL SIZE RETURN AIR DUCT A MINIMUM OF 12" FROM UNIT. INTERNALLY LINE DUCTWORK FOR SOUND ATTENUATION. COVER OPEN END OF DUCT WITH HARDWARE MESH SCREEN.
- RETURN GRILLE TO BE PROVIDED WITH SOUND ATTENUATION AS SHOWN IN DETAIL 12M003. TYPICAL OF ALL PLENUM RETURN GRILLES.
- INTERLOCK UNDUCTED SMOKE DAMPER WITH SMOKE DETECTOR AND INSTALL WITHIN 5 FT. HORIZONTALLY OF THE DAMPER PER 2021 SC MECHANICAL CODE SECTION 607.3.3.2.

CONSULTANT

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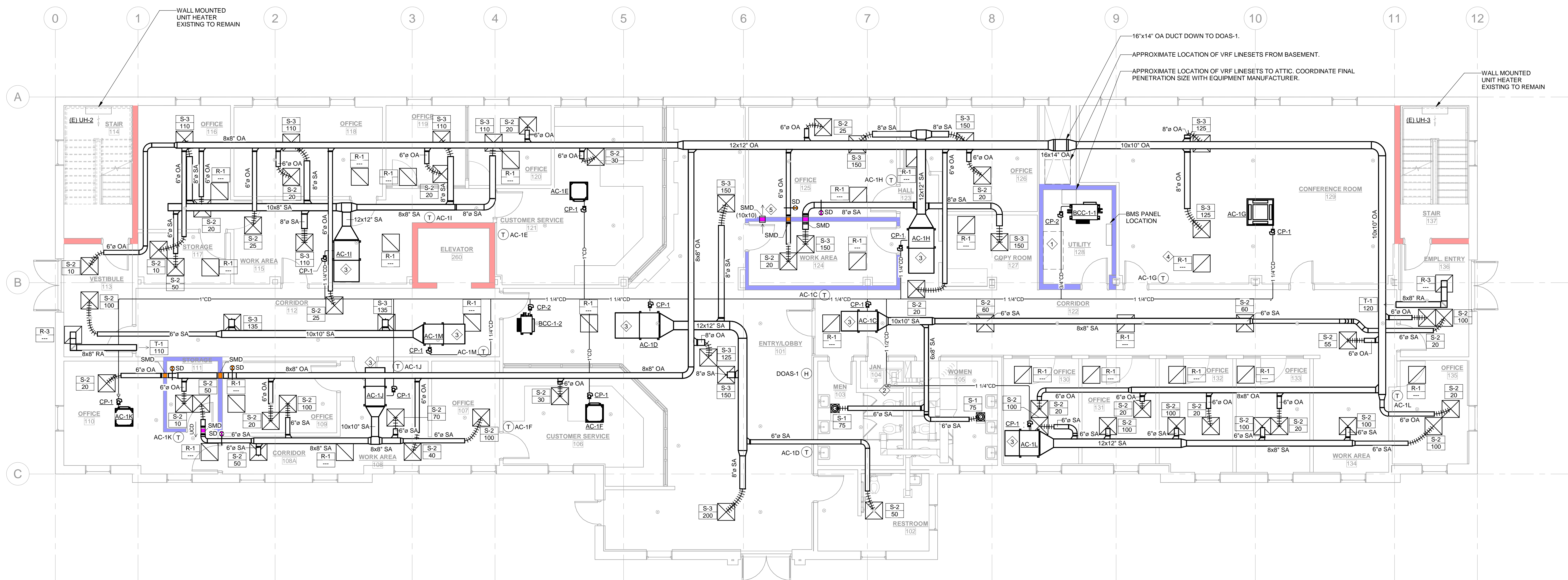
DRAWING NAME

MECHANICAL PLAN - 1ST FLOOR

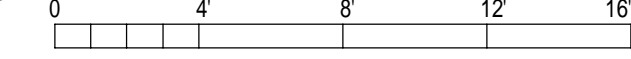
DRAWING NO.

M201

Drawn By: WJS Checked By: DTL



1 MECHANICAL PLAN - 1ST FLOOR
 M201 3/16" = 1'-0"

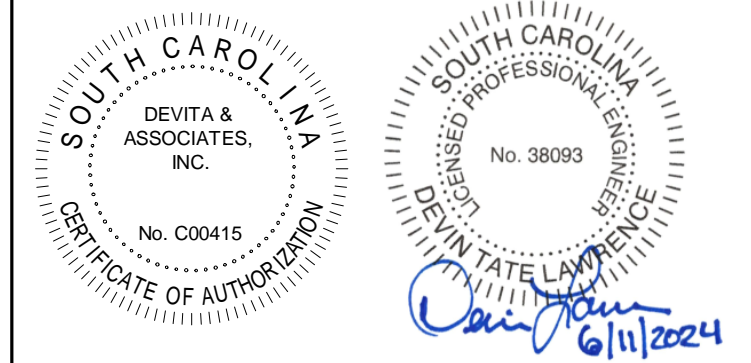


GENERAL MECHANICAL NOTES:

A. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

MECHANICAL KEY NOTES:

1. CONDENSATE TO DISCHARGE TO MOP SINK, LOCATED IN JANITORS CLOSET, WITH CODE APPROVED AIR GAP.



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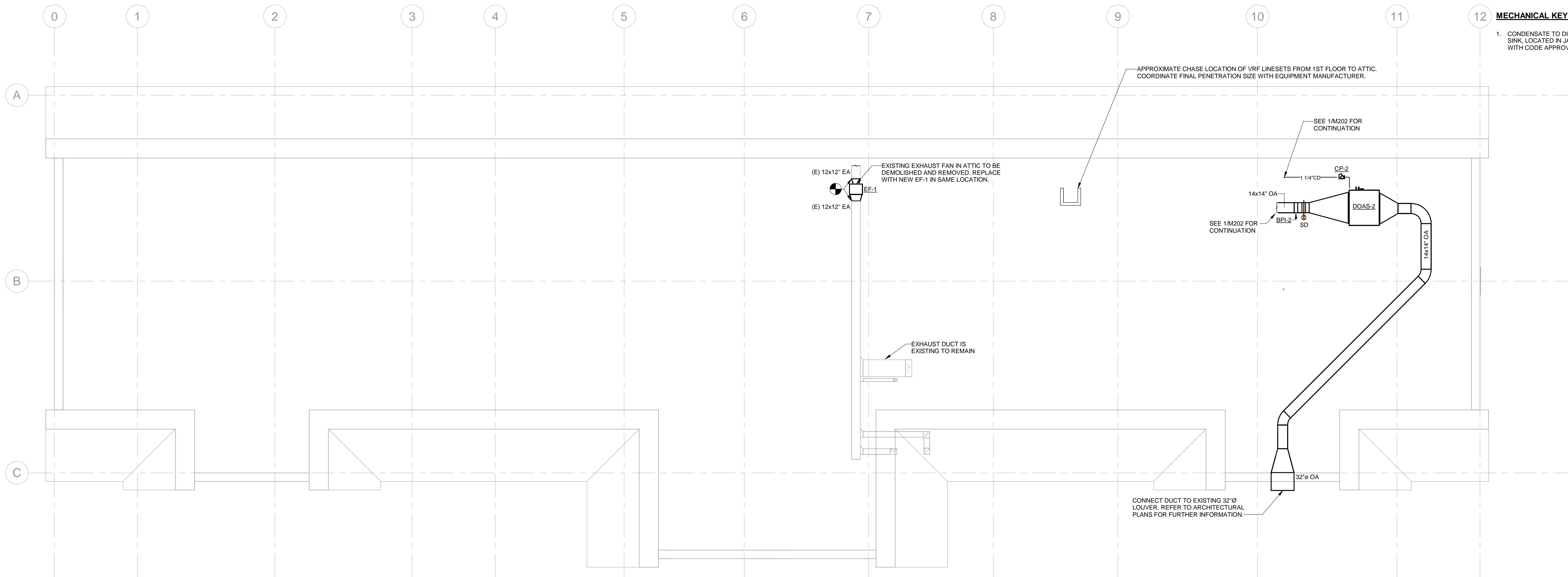
NO.	DATE	DESCRIPTION

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DRAWING NAME
**MECHANICAL PLAN -
2ND FLOOR & ATTIC**

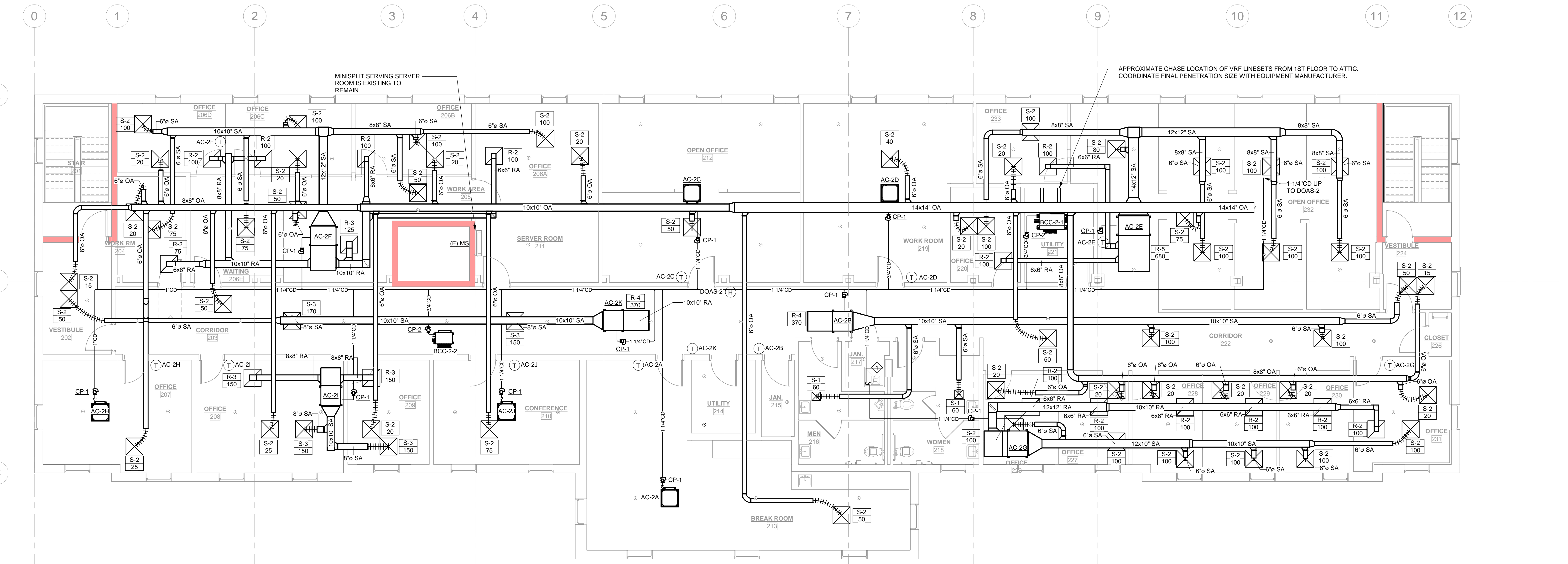
DRAWING NO.
M202

Drawn By: WJS Checked By: DTL



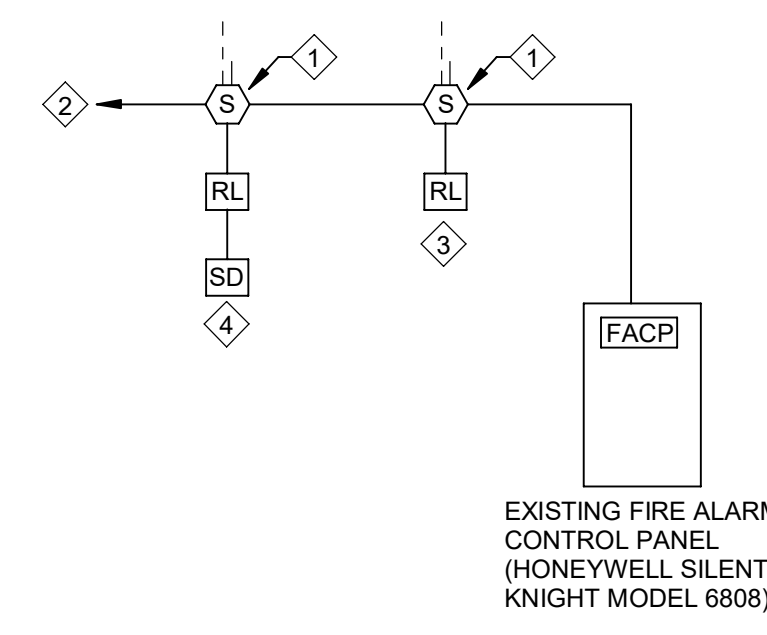
2 MECHANICAL PLAN - ATTIC

M202 3/16" = 1'-0"



1 MECHANICAL PLAN - 2ND FLOOR

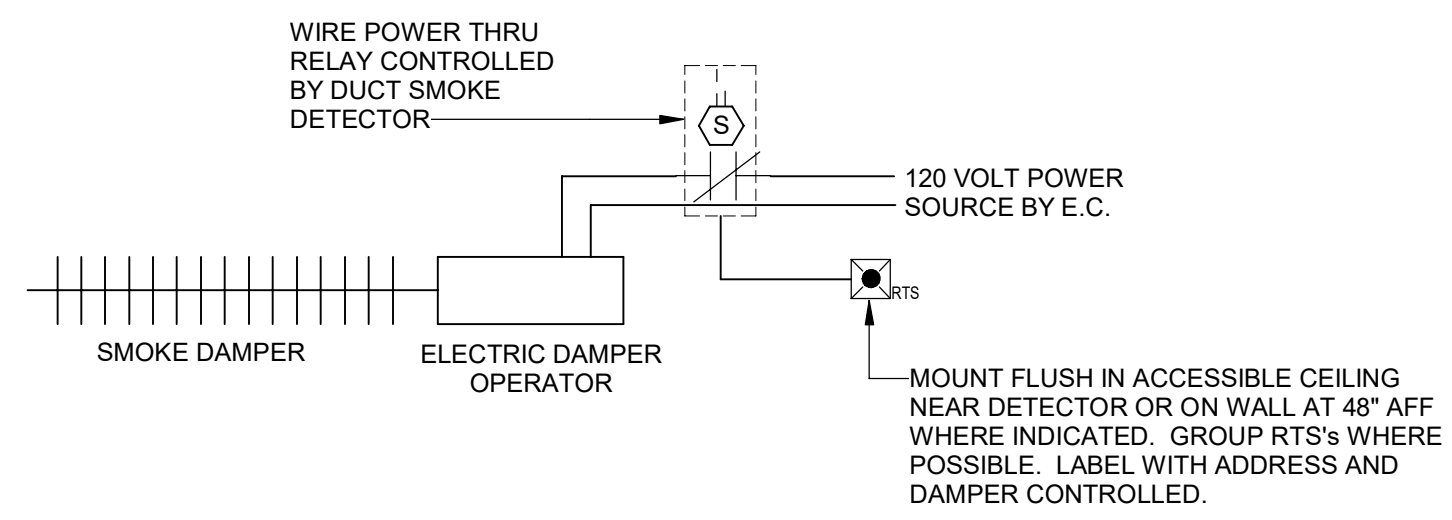
M202 3/16" = 1'-0"



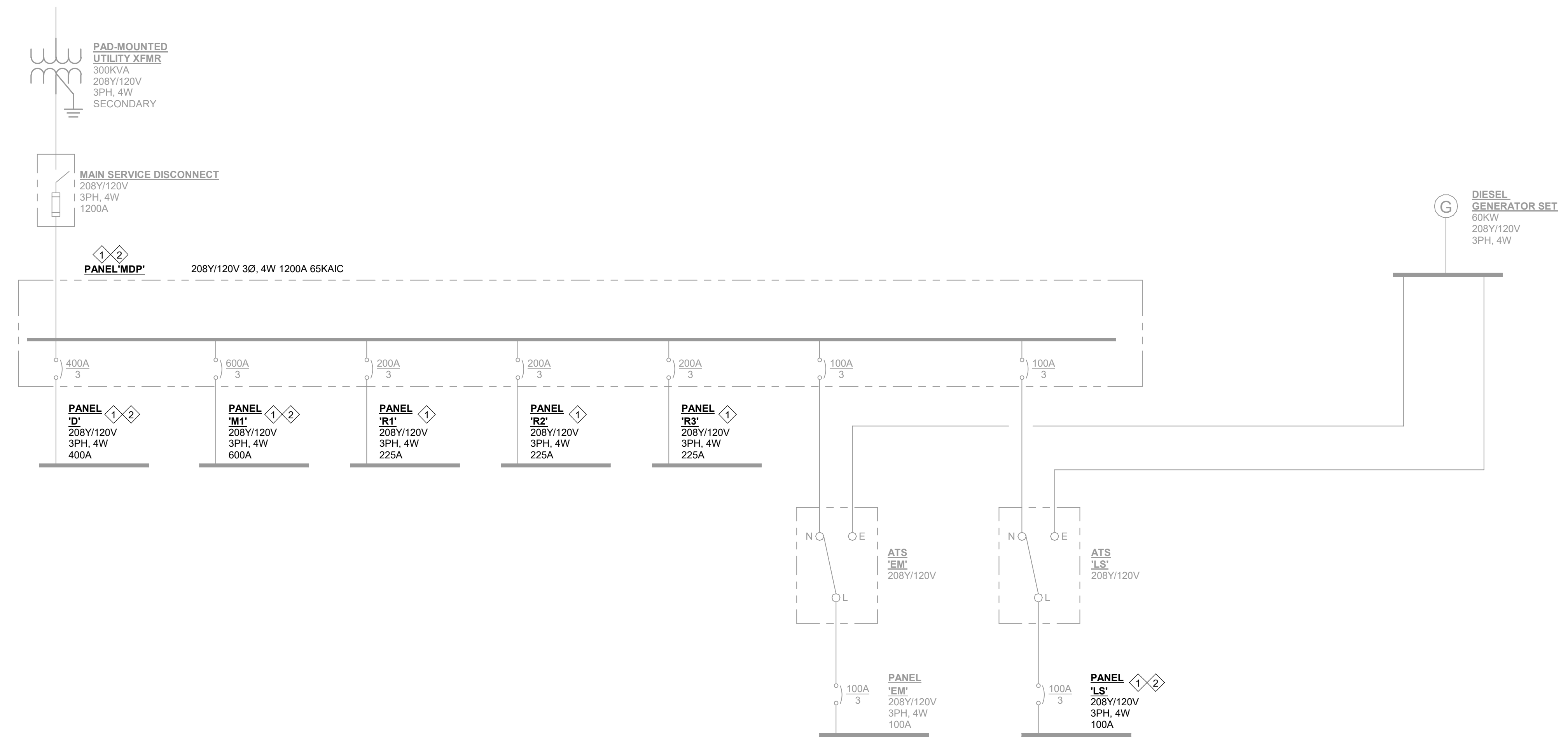
- FIRE ALARM RISER DIAGRAM NOTES:**
- DUCT SMOKE DETECTOR. PROVIDE REMOTE TEST STATION FOR EACH.
 - COMMUNICATIONS WIRING LOOP. MATCH EXISTING PATHWAY CLASS.
 - HVAC SHUT DOWN RELAY.
 - SMOKE DAMPER CONNECTION.

- FIRE ALARM SYSTEM NOTES:**
- THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER.
 - THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES, AND NOT ALL DEVICE TYPES SHOWN IN THIS DIAGRAM MAY BE USED ON THIS PARTICULAR PROJECT. REFER TO PLAN FOR EXACT DEVICE QUANTITY AND TYPES.
 - REMOVE EXISTING FIRE ALARM DEVICES PER PLANS. PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO MEET NEW RENOVATED AREA PLAN. ALL FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND MATCH EXISTING. PROVIDE ALL WIRING, RACEWAY, ACCESSORIES, ETC. REQUIRED TO FULLY INTEGRATE ALL DEVICES INTO THE EXISTING SYSTEM. FIELD VERIFY EXACT REQUIREMENTS.
 - PROVIDE SHOP DRAWINGS AND PRODUCT DATA SUBMITTALS FOR FIRE ALARM WORK REQUIRED IN THESE DRAWINGS IN ACCORDANCE WITH NFPA 72-2016 SECTION 7.4.

1 FIRE ALARM RISER DIAGRAM
E002 NOT TO SCALE



2 SMOKE DAMPER CONTROL DETAIL
E002 NOT TO SCALE



3 ELECTRICAL SINGLE-LINE DIAGRAM
E002 NOT TO SCALE

ACTION	BUILDING SYSTEM OUTPUTS																	CENTRAL COMM					
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1 DUCT SMOKE DETECTORS			X	X				X		X							X			X	X		X
2 SMOKE DAMPER SMOKE DETECTOR			X	X				X		X							X	X		X	X		X
3 OPEN CIRCUIT					X	X		X				X								X	X		X
4 GROUND FAULT					X	X		X				X								X	X		X

SEQUENCE OF OPERATION:

- SUPERVISORY SIGNAL:** WHEN A SUPERVISORY CONDITION IS DETECTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
 - SYSTEM SUPERVISORY INDICATOR SHALL FLASH.
 - A LOCAL SOUNDING DEVICE IN THE PANEL SHALL SOUND.
 - CONTROL PANEL SHALL INDICATE ALL PERTINENT INFORMATION ASSOCIATED WITH THE SUPERVISORY CONDITION AND ITS LOCATION.
 - UNACKNOWLEDGED ALARM MESSAGES SHALL HAVE PRIORITY OVER SUPERVISORY MESSAGES, AND IF SUCH AN ALARM MUST ALSO BE DISPLAYED, THE SUPERVISORY MESSAGE WILL NOT BE DISPLAYED UNTIL THE OPERATOR HAS ACKNOWLEDGED ALL ALARM MESSAGES.
 - UNACKNOWLEDGED SUPERVISORY MESSAGES SHALL HAVE PRIORITY OVER TROUBLE MESSAGES, AND IF SUCH AN ALARM MUST ALSO BE DISPLAYED, THE SUPERVISORY MESSAGE WILL NOT BE DISPLAYED UNTIL THE OPERATOR HAS ACKNOWLEDGED ALL ALARM MESSAGES.
 - TROUBLE DETECTION:** WHEN A TROUBLE CONDITION IS DETECTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
 - SYSTEM TROUBLE INDICATOR SHALL FLASH.
 - A LOCAL SOUNDING DEVICE IN THE PANEL SHALL SOUND.
 - CONTROL PANEL SHALL INDICATE ALL PERTINENT INFORMATION ASSOCIATED WITH THE TROUBLE CONDITION AND ITS LOCATION.
 - UNACKNOWLEDGED ALARM AND SUPERVISORY MESSAGES SHALL HAVE PRIORITY OVER TROUBLE MESSAGES, AND IF SUCH AN ALARM AND SUPERVISORY MUST ALSO BE DISPLAYED, THE TROUBLE MESSAGE WILL NOT BE DISPLAYED UNTIL THE OPERATOR HAS ACKNOWLEDGED ALL ALARM AND SUPERVISORY MESSAGES.
- C. REFER TO MECHANICAL DRAWINGS FOR SMOKE CONTROL SEQUENCES.

SYSTEM DEVICES:

- PROVIDE ADDRESSABLE DEVICES ONLY IN CONDITIONED SPACES. NO ADDRESSABLE DEVICES ARE ALLOWED IN UNCONDITIONED SPACES.
- DUCT-MOUNTED SMOKE DETECTORS ARE FURNISHED, WIRED, AND PROGRAMMED BY ELECTRICAL/FIRE ALARM CONTRACTOR AND INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR. PROVIDE CONNECTION TO DUCT-MOUNTED SMOKE DETECTORS AFTER DEVICES ARE SECURED IN FINAL LOCATION.

GENERAL NOTES:

- ALL EQUIPMENT IS EXISTING TO REMAIN UNO.
- PROVIDE NEW NAMEPLATE FOR ALL EXISTING PANELBOARDS. REFER TO NAMEPLATE DETAIL ON SHEET E001.

KEY NOTES:

- CIRCUITS IN THIS EXISTING PANEL SHALL BE MODIFIED AS DESCRIBED IN THESE DRAWINGS. REFER TO PLANS AND PANEL SCHEDULES.
- PROVIDE UPDATED TYPED WRITTEN PANEL DIRECTORY IN THIS PANEL TO REFLECT CONDITIONS UPON COMPLETION OF THE PROJECT. TRACE OUT AND VERIFY ALL AFFECTED EXISTING CIRCUITS. FOR REMOVED ITEMS OR CIRCUITS THAT ARE NO LONGER USED, LABEL CIRCUIT AS 'SPARE' AND TURN BREAKER OFF. DIRECTORY SHALL INDICATE PANEL NAME/DESIGNATION AS WELL AS PROPER IDENTIFICATION OF ALL EXISTING CIRCUITS.

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No. 000410
CERTIFICATE OF AUTHORITY
No. 22785
SHANNON L. ELLIS
04/11/2024

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DEVITA Project No. 23501-01

PROJECT INFORMATION:

YORK COUNTY PLANNING FACILITY HVAC UPGRADES

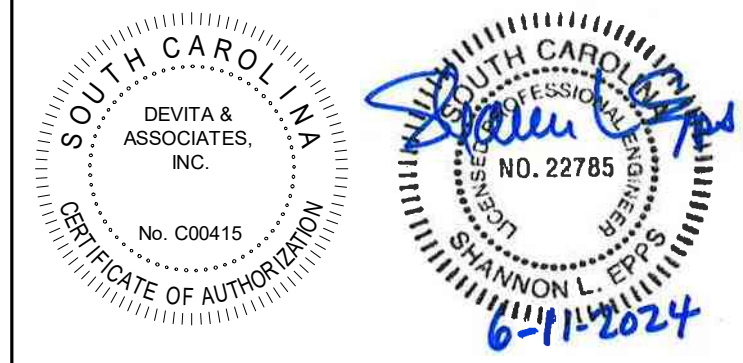
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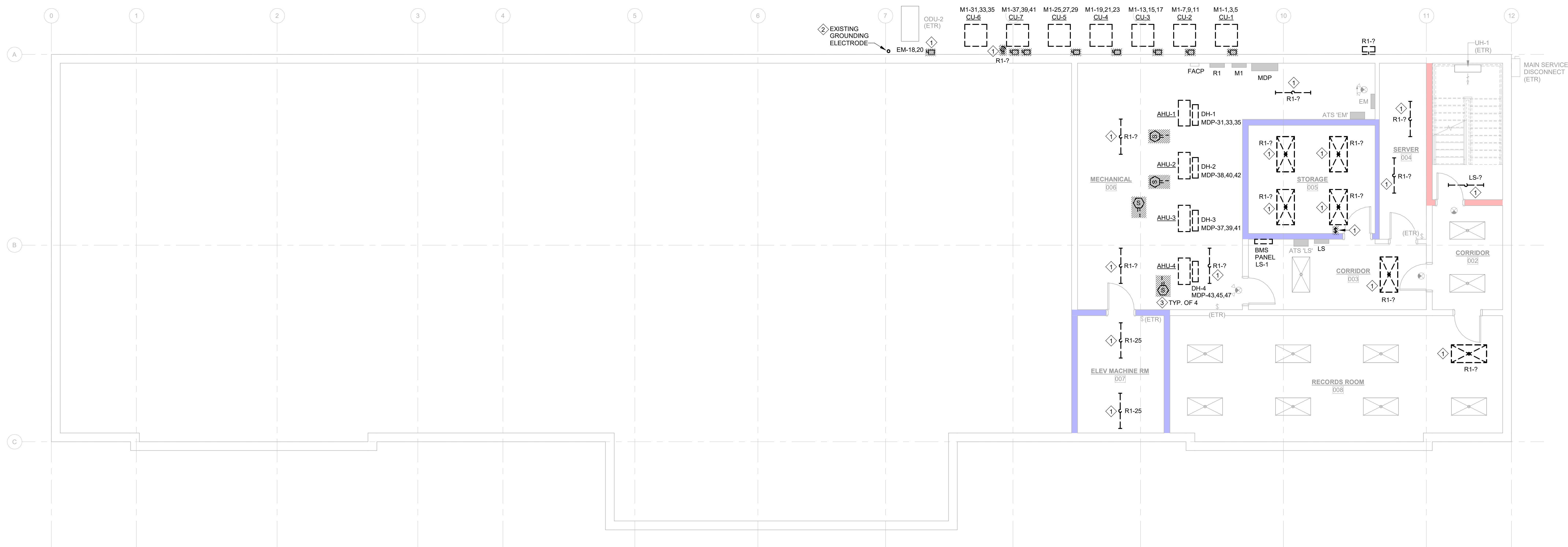
DRAWING NAME
ELECTRICAL DIAGRAMS



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DEVITA Project No. 23501-01

- GENERAL DEMOLITION NOTES:**
- A. ALL CEILING MOUNTED DEVICES AND FIXTURES ARE EXISTING TO REMAIN UNO. SECURE ALL CEILING MOUNTED DEVICES AND FIXTURES AS REQUIRED TO ACCOMMODATE THE REMOVAL OF THE CEILING AND THE HVAC RENOVATION.
 - B. FOR ALL EXISTING EQUIPMENT, DEVICES, ETC. INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT, AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT. REFER TO LABELING DETAIL ON SHEET E001.
 - C. ITEMS TO BE REMOVED ARE INDICATED BY DASHED LINETYPE AND/OR HATCHING.
 - D. FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD, UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
 - E. EXISTING CIRCUITS INDICATED ARE FOR REFERENCE ONLY. FIELD VERIFY ALL AFFECTED CIRCUITS.
 - F. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK.
 - G. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:
 - (ETR) DENOTES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN, THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) REMOVE AND SALVAGE EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. FOR REINSTALLATION IN RENOVATED AREA. ALL ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL BE REMOVED BACK TO CONVENIENT LOCATION TO ACCOMMODATE DEMOLITION AND EXTENSION TO NEW LOCATIONS.

- PLAN NOTES:**
1. EXISTING DEVICE, COVER, DISCONNECT, OR FIXTURE TO BE REPLACED. RETAIN EXISTING WIRING FOR RECONNECTION.
 2. EXISTING GROUNDING ELECTRODE CONDUCTOR IS UNPROTECTED, EXPOSED, AND CONNECTED VIA DETERIORATED CLAMP TO EXPOSED GROUND ROD. TRACE CONDUCTOR TO DETERMINE ITS CONNECTION STATUS. IF NO LONGER REQUIRED, REMOVE ALL IN THEIR ENTIRETY, IF REQUIRED TO REMAIN, REPLACE AS DESCRIBED ON NEW WORK PLAN.
 3. REMOVE DUCT SMOKE DETECTORS AND TURN OVER TO OWNER.



CONSULTANT
PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**

18 W. LIBERTY ST
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024
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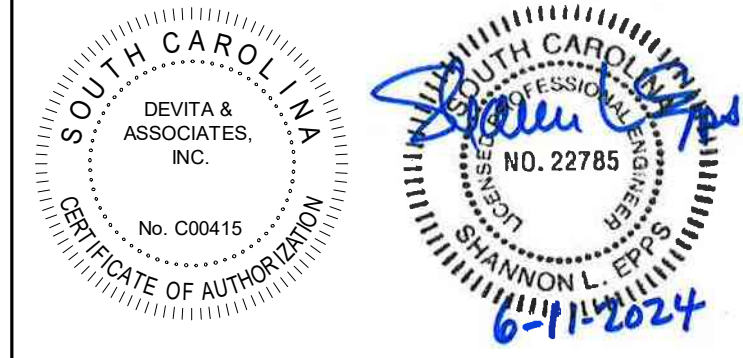
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DRAWING NAME
**ELECTRICAL
DEMOLITION PLAN -
BASEMENT**

DRAWING NO.
E100
Drawn By: RHV Checked By: SLE

1 ELECTRICAL DEMOLITION PLAN - BASEMENT
3/16" = 1'-0"
0 8 16 24



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GENERAL DEMOLITION NOTES:

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- B. FOR ALL EXISTING FIXTURES, DEVICES, ETC. INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT, AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT. REFER TO LABELING DETAIL ON SHEET E001.
- C. ITEMS TO BE REMOVED ARE INDICATED BY DASHED LINETYPE AND/OR HATCHING.
- D. FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD, UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- E. EXISTING CIRCUITS INDICATED ARE FOR REFERENCE ONLY. FIELD VERIFY ALL AFFECTED CIRCUITS.
- F. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK.
- G. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:
 - (ETR) DENOTES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN, THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) REMOVE AND SALVAGE EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. FOR REINSTALLATION IN RENOVATED AREA. ALL ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL BE REMOVED BACK TO CONVENIENT LOCATION TO ACCOMMODATE DEMOLITION AND EXTENSION TO NEW LOCATIONS.

PLAN NOTES:

- 1. EXISTING DEVICE, COVER, OR FIXTURE TO BE REPLACED. RETAIN EXISTING WIRING FOR RECONNECTION.

CONSULTANT

PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**

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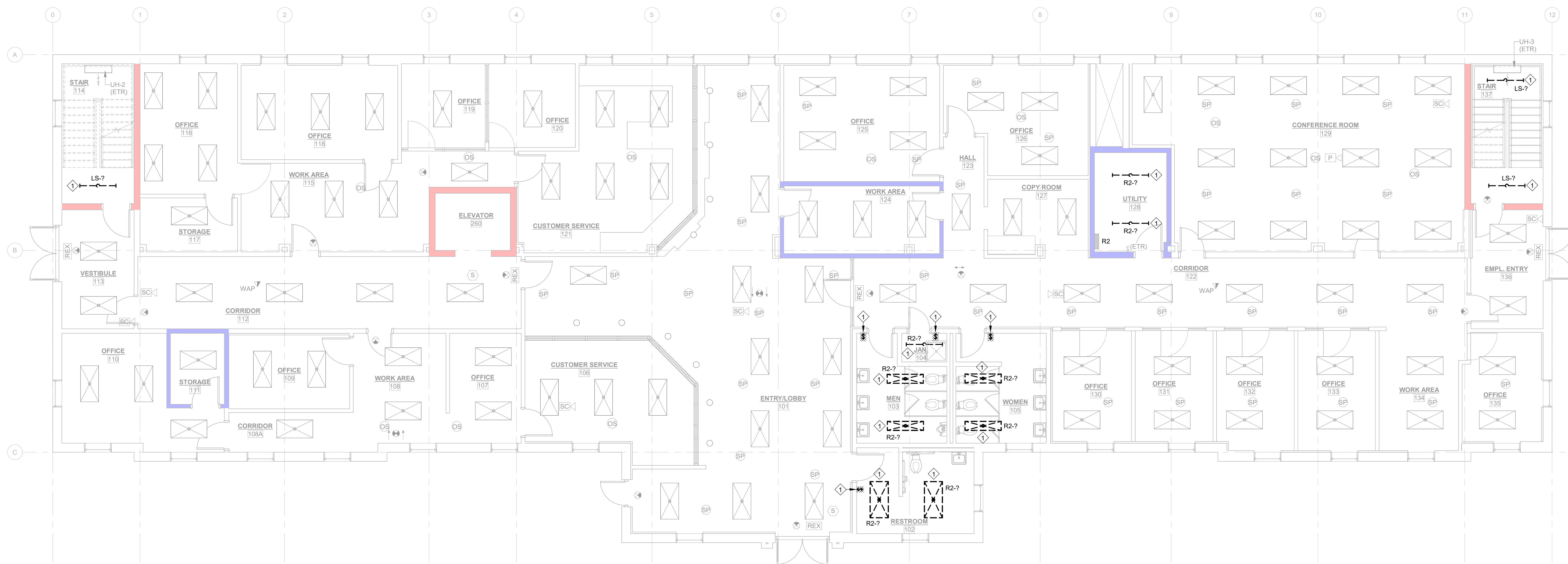
DRAWING NAME

**ELECTRICAL
DEMOLITION PLAN -
1ST FLOOR**

DRAWING NO.

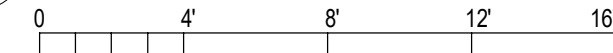
E101

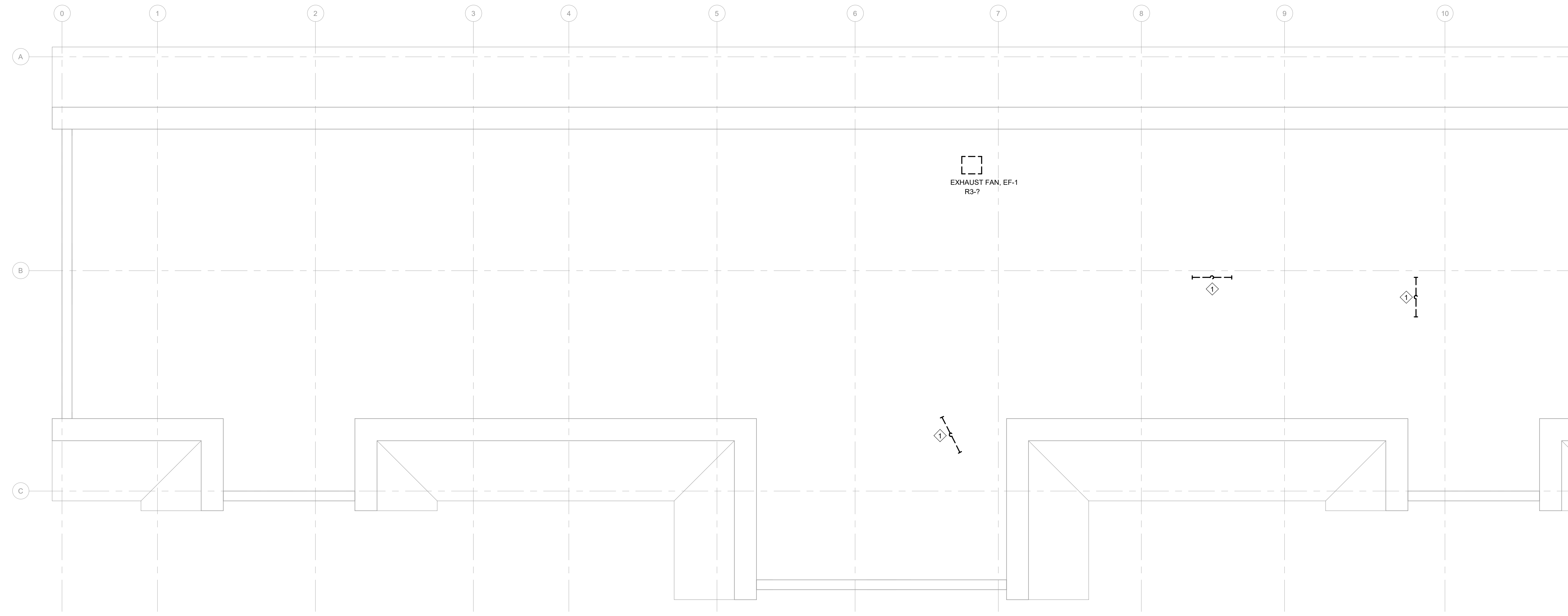
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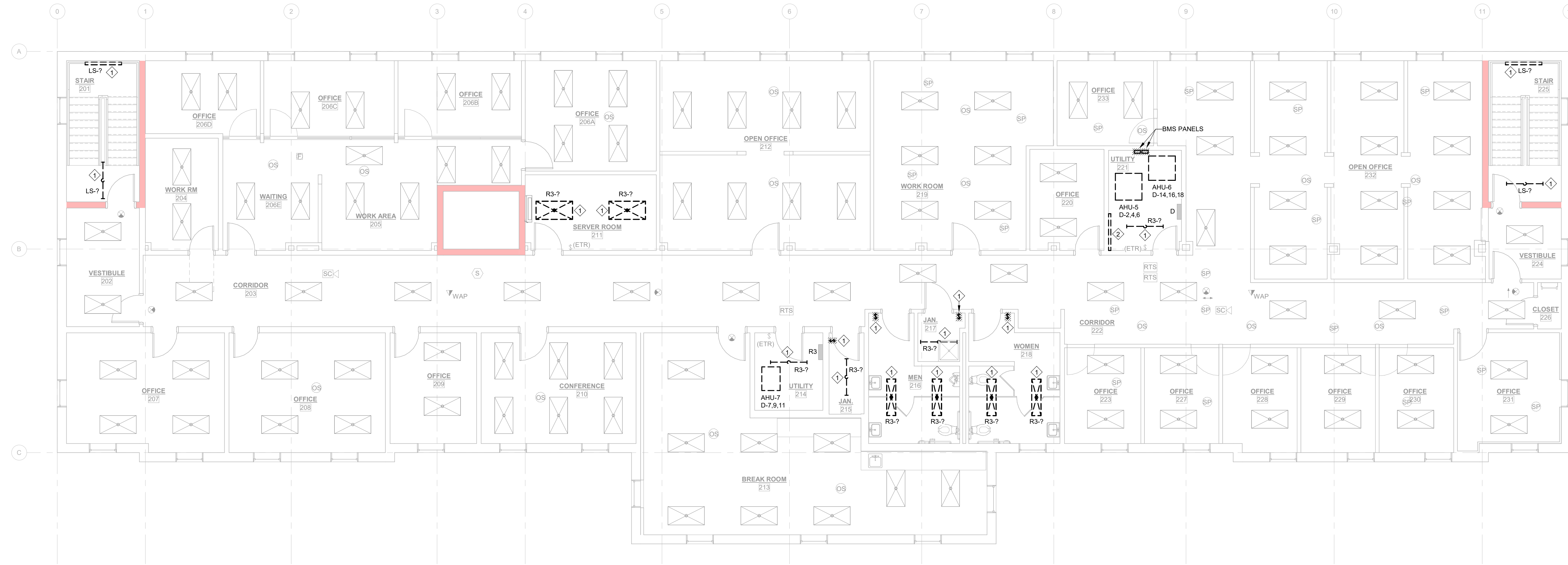
1 ELECTRICAL DEMOLITION PLAN - 1ST FLOOR

E101 3/16" = 1'-0"





2 ELECTRICAL DEMOLITION PLAN - ATTIC
 3/16" = 1'-0"
 E102



1 ELECTRICAL DEMOLITION PLAN - 2ND FLOOR
 3/16" = 1'-0"
 E102

GENERAL DEMOLITION NOTES:

- A. ALL CEILING MOUNTED DEVICES AND FIXTURES ARE EXISTING TO REMAIN UNO. SECURE ALL CEILING MOUNTED DEVICES AND FIXTURES AS REQUIRED TO ACCOMMODATE THE REMOVAL OF THE CEILING AND THE HVAC RENOVATION.
- B. FOR ALL EXISTING FIXTURES, DEVICES, ETC. INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT, AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT. REFER TO LABELING DETAIL ON SHEET E001.
- C. ITEMS TO BE REMOVED ARE INDICATED BY DASHED LINETYPE AND/OR HATCHING.
- D. FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD, UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- E. EXISTING CIRCUITS INDICATED ARE FOR REFERENCE ONLY. FIELD VERIFY ALL AFFECTED CIRCUITS.
- F. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK.
- G. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:
 - (ETR) DENOTES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) REMOVE AND SALVAGE EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. FOR REINSTALLATION IN RENOVATED AREA. ALL ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL BE REMOVED BACK TO CONVENIENT LOCATION TO ACCOMMODATE DEMOLITION AND EXTENSION TO NEW LOCATIONS.

PLAN NOTES:

- 1. EXISTING DEVICE, COVER, OR FIXTURE TO BE REPLACED. RETAIN EXISTING WIRING FOR RECONNECTION.
- 2. REMOVE ABANDONED CONDUIT AND HVAC CONTROLS ON EXISTING BACKBOARD.



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 DEVITA Project No. 23501-01

PROJECT INFORMATION:

**YORK COUNTY
 PLANNING FACILITY
 HVAC UPGRADES**

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ISSUE DATE: 11 JUNE 2024

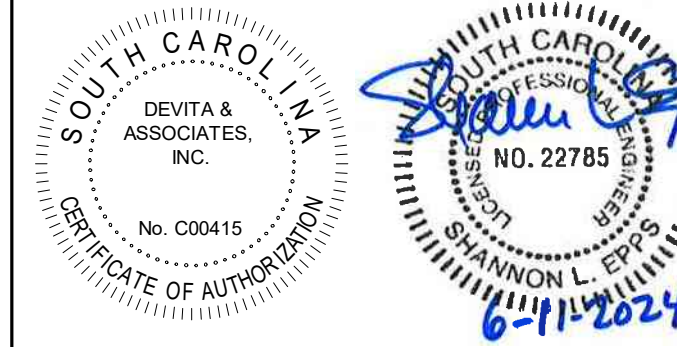
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DRAWING NAME
**ELECTRICAL
 DEMOLITION PLAN -
 2ND FLOOR & ATTIC**

DRAWING NO.
E102

Drawn By: RHV Checked By: SLE



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DEVITA Project No. 23501-01

GENERAL NOTES:

- A. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E900 FOR MECHANICAL EQUIPMENT DISCONNECT REQUIREMENTS.
- B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
- C. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- D. PROVIDE WORKING CLEARANCE FOR ALL ELECTRICAL DISCONNECTS PER NEC.
- E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
- F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
- G. PROVIDE POWER TO CONDENSATE PUMPS (CP-#) FROM ADJACENT AC, DOAS, OR BCC PER MANUFACTURER'S INSTRUCTIONS.

PLAN NOTES:

1. REPLACE EXISTING DEVICE OR FIXTURE WITH NEW PER SPECIFICATIONS AND RECONNECT TO THE EXISTING CIRCUIT. EXTEND CONDUIT AND WIRING AS NECESSARY TO NEW LOCATIONS. NOTE THE EXISTING CIRCUIT ON THE AS-BUILT DRAWINGS.
2. PROVIDE NEW DEVICE AND CONNECT TO EXISTING EXTERIOR RECEPTACLE CIRCUIT FROM PANEL 'R1'.
3. REPLACE EXISTING DISCONNECT WITH NEW AND RECONNECT TO THE EXISTING CIRCUIT.
4. FROM DEMOLITION PHASE, IF EXISTING GROUNDING ELECTRODE CONDUCTOR IS DETERMINED TO BE IN USE, PROVIDE DEDICATED EXTERIOR WALL PENETRATION AND REROUTE CONDUCTOR THROUGH PENETRATION. DRIVE EXISTING GROUND ROD BELOW GRADE PER NEC AND MAKE NEW CONNECTION VIA EXOTHERMIC WELD. ROUTE CONDUCTOR IN 1" RIGID CONDUIT.

CONSULTANT

PROJECT INFORMATION:

**YORK COUNTY
 PLANNING FACILITY
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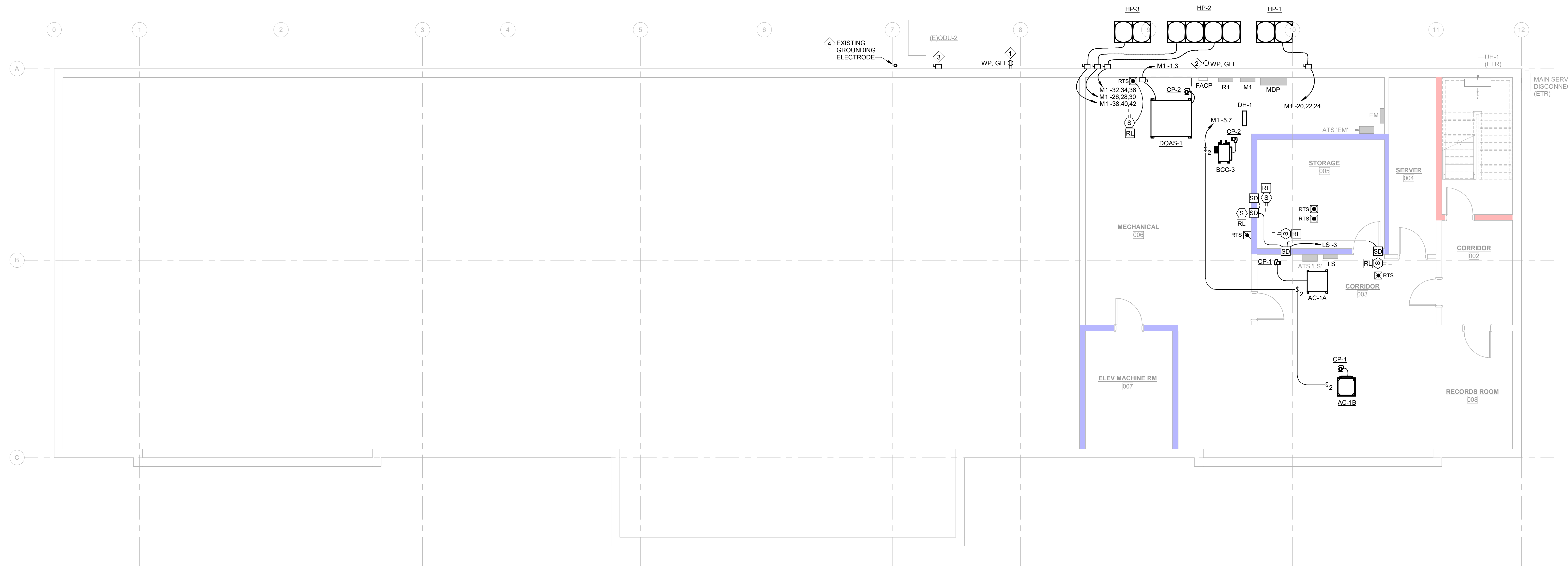
DRAWING NAME

**ELECTRICAL POWER
 PLAN - BASEMENT**

DRAWING NO.

E200

Drawn By: RHV Checked By: SLE



1 ELECTRICAL POWER PLAN - BASEMENT
 E200
 3/16" = 1'-0"
 0 4 8 12 16

GENERAL NOTES:

- A. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E900 FOR MECHANICAL EQUIPMENT CIRCUIT AND DISCONNECT REQUIREMENTS. REFER TO LABELING DETAIL ON SHEET E001.
- B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
- C. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- D. PROVIDE WORKING CLEARANCE FOR ALL ELECTRICAL DISCONNECTS PER NEC.
- E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA. EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
- F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
- G. PROVIDE POWER TO CONDENSATE PUMPS (CP-#) FROM ADJACENT AC, DOAS, OR BCC PER MANUFACTURER'S INSTRUCTIONS.

PLAN NOTES:

1. COORDINATE FINAL LOCATION OF BMS CONTROL PANEL AND REQUIREMENTS WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
2. PROVIDE SMOKE DETECTOR WITH AUX CONTACTS LISTED FOR RELEASING SERVICE FOR CONTROL OF SMOKE DAMPER IN UNDUCTED OPENING IN WALL. MOUNT ABOVE CEILING ON WALL WITHIN 5' OF SMOKE DAMPER. CONNECT PER DETAIL FOR DUCT DETECTORS ON SHEET E002. COORDINATE EXACT LOCATION WITH MECHANICAL PRIOR TO ROUGH-IN.



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DEVITA Project No. 23501-01

PROJECT INFORMATION:

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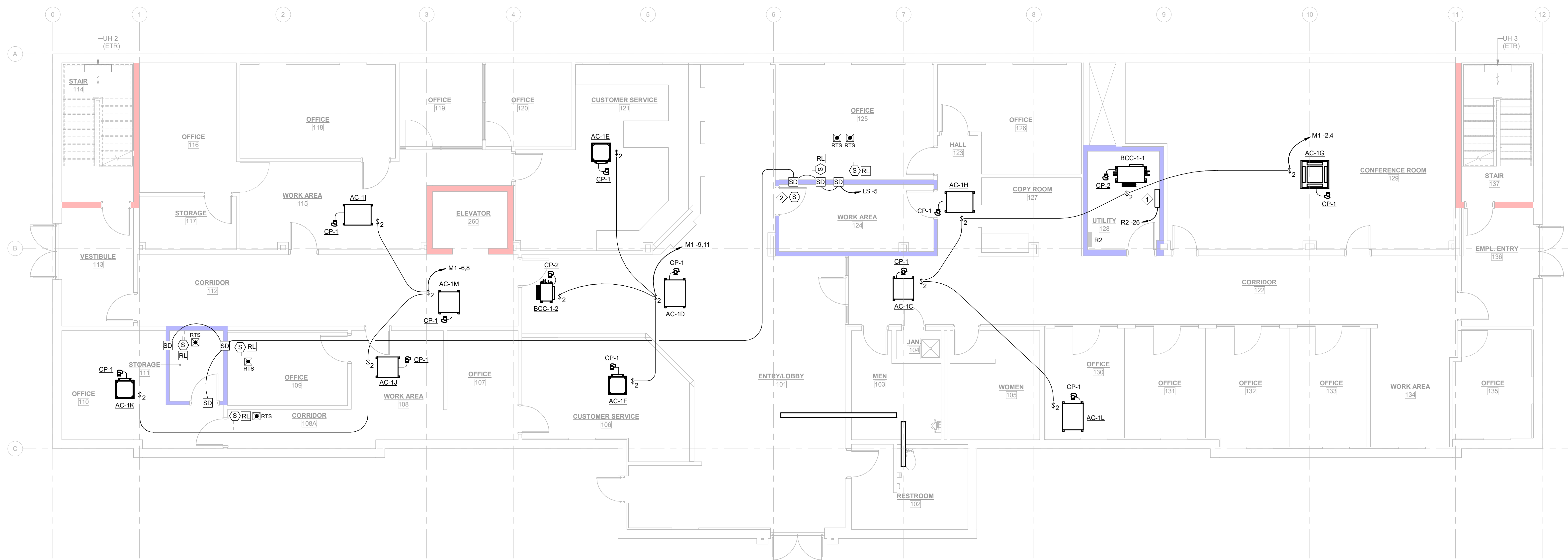
DRAWING NAME

**ELECTRICAL POWER
PLAN - 1ST FLOOR**

DRAWING NO.

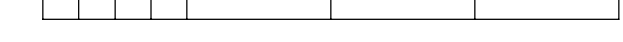
E201

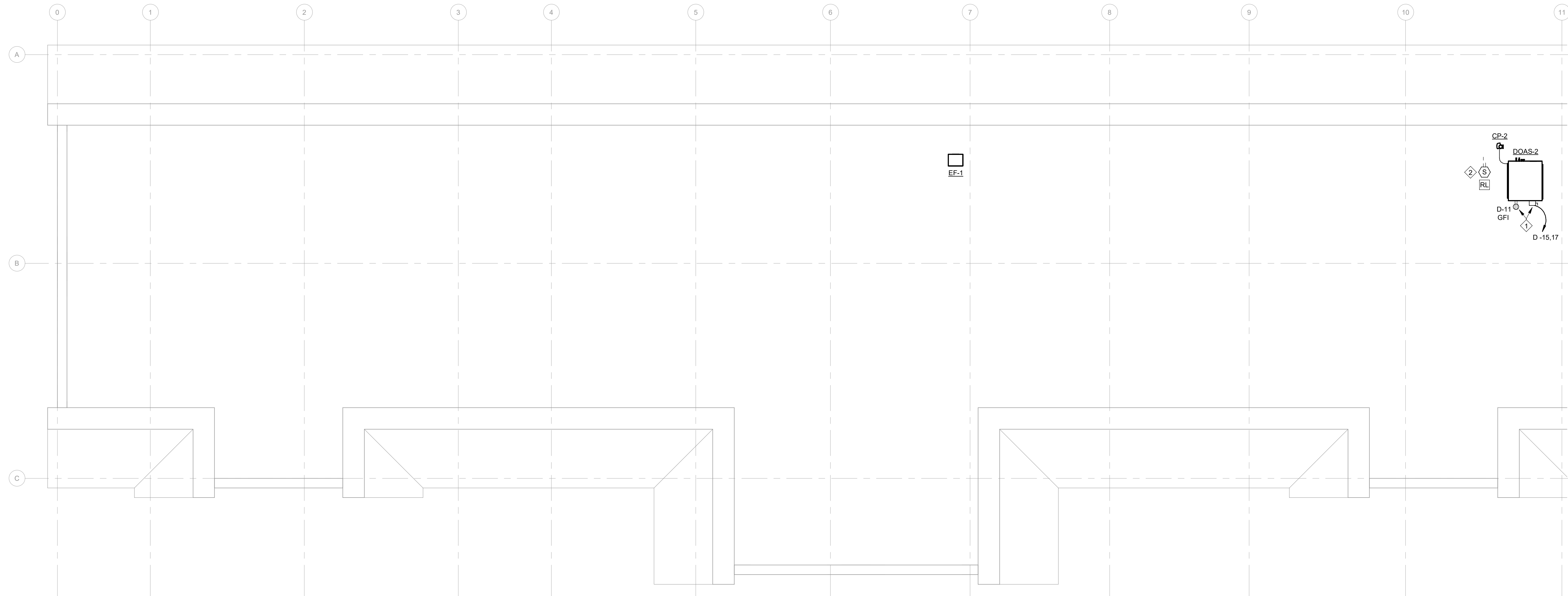
Drawn By: RHV Checked By: SLE



1 ELECTRICAL POWER PLAN - 1ST FLOOR

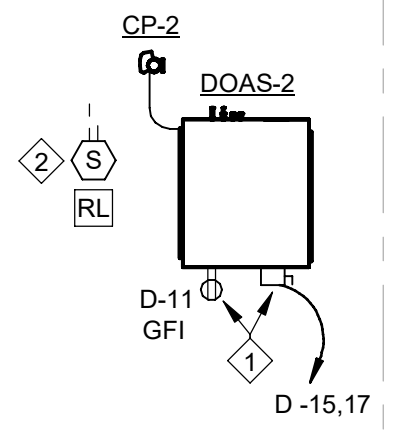
E201
3/16" = 1'-0"





2
E202
ELECTRICAL POWER PLAN - ATTIC
3/16" = 1'-0"
0 4 8 12 16

- GENERAL NOTES:**
- A. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E900 FOR MECHANICAL EQUIPMENT CIRCUIT AND DISCONNECT REQUIREMENTS. REFER TO LABELING DETAIL ON SHEET E001.
 - B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
 - C. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
 - D. PROVIDE WORKING CLEARANCE FOR ALL ELECTRICAL DISCONNECTS PER NEC.
 - E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
 - F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
 - G. PROVIDE POWER TO CONDENSATE PUMPS (CP-#) FROM ADJACENT AC, DOAS, OR BCC PER MANUFACTURER'S INSTRUCTIONS.



- PLAN NOTES:**
1. COORDINATE FINAL LOCATION OF RECEPTACLE AND DISCONNECT WITH HVAC EQUIPMENT.
 2. MOUNT RTS FOR DETECTOR AT DOAS-2 IN CEILING BELOW UNIT LOCATION.

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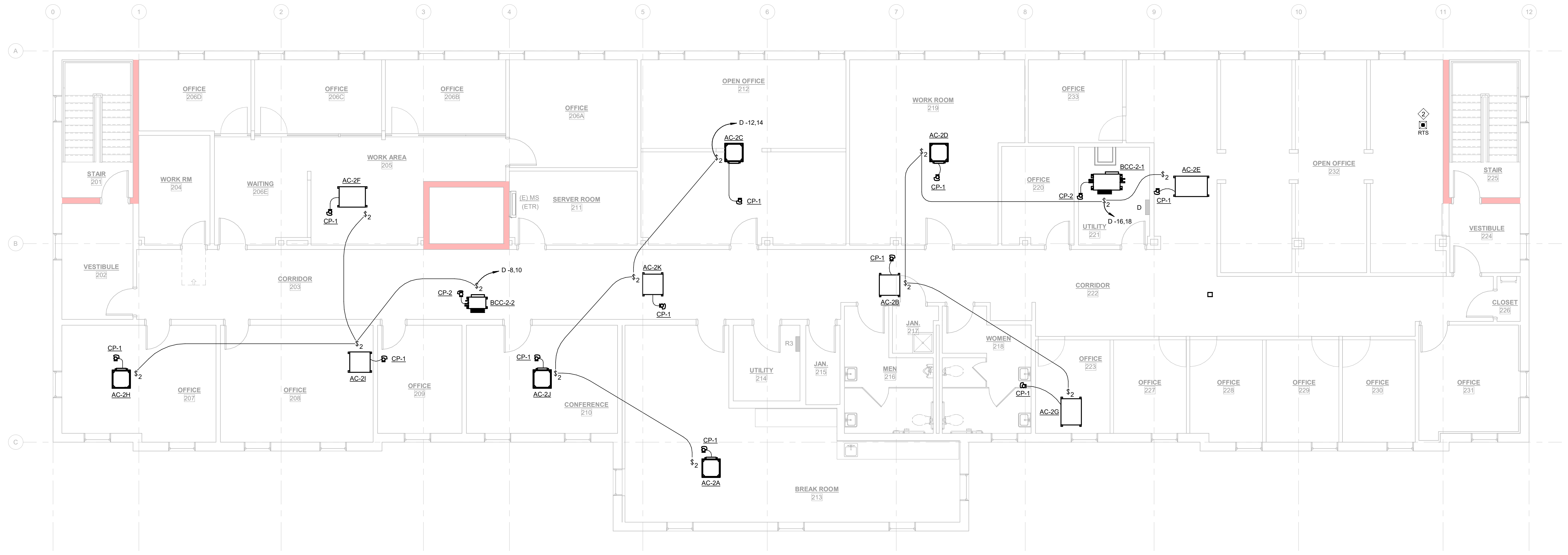
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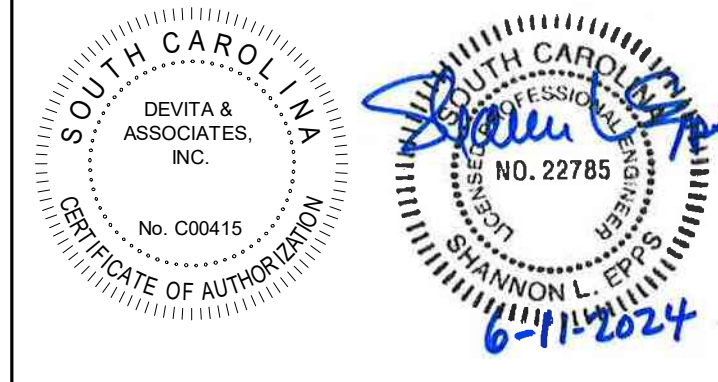
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DRAWING NAME
ELECTRICAL POWER PLAN - 2ND FLOOR & ATTIC

DRAWING NO.
E202
Drawn By: RHV Checked By: SLE



1
E202
ELECTRICAL POWER PLAN - 2ND FLOOR
3/16" = 1'-0"
0 4 8 12 16



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DEVITA Project No. 23501-01

GENERAL NOTES:

- A. REFER TO SHEET E900 FOR LIGHTING FIXTURE SCHEDULE.
- B. EMERGENCY LIGHTS/EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
- C. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
- D. ALL CEILING MOUNTED DEVICES AND FIXTURES ARE EXISTING TO REMAIN UNO. REINSTALL AND RECONNECT ALL EXISTING TO REMAIN CEILING MOUNTED DEVICES AND FIXTURES AFTER REINSTALLATION OF THE CEILING.
- E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
- F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

PLAN NOTES:

- 1. REPLACE EXISTING DEVICE OR FIXTURE WITH NEW PER SPECIFICATIONS AND RECONNECT TO THE EXISTING CIRCUIT. EXTEND CONDUIT AND WIRING AS NECESSARY TO NEW LOCATIONS. NOTE THE EXISTING CIRCUIT ON THE AS-BUILT DRAWINGS AND LABEL ON DEVICE COVERPLATE.
- 2. PROVIDE NEW DEVICE.

CONSULTANT

PROJECT INFORMATION:

**YORK COUNTY
PLANNING FACILITY
HVAC UPGRADES**

18 W. LIBERTY ST
YORK, SC 29745

ISSUE DATE: 11 JUNE 2024

REVISIONS

NO.	DATE	DESCRIPTION

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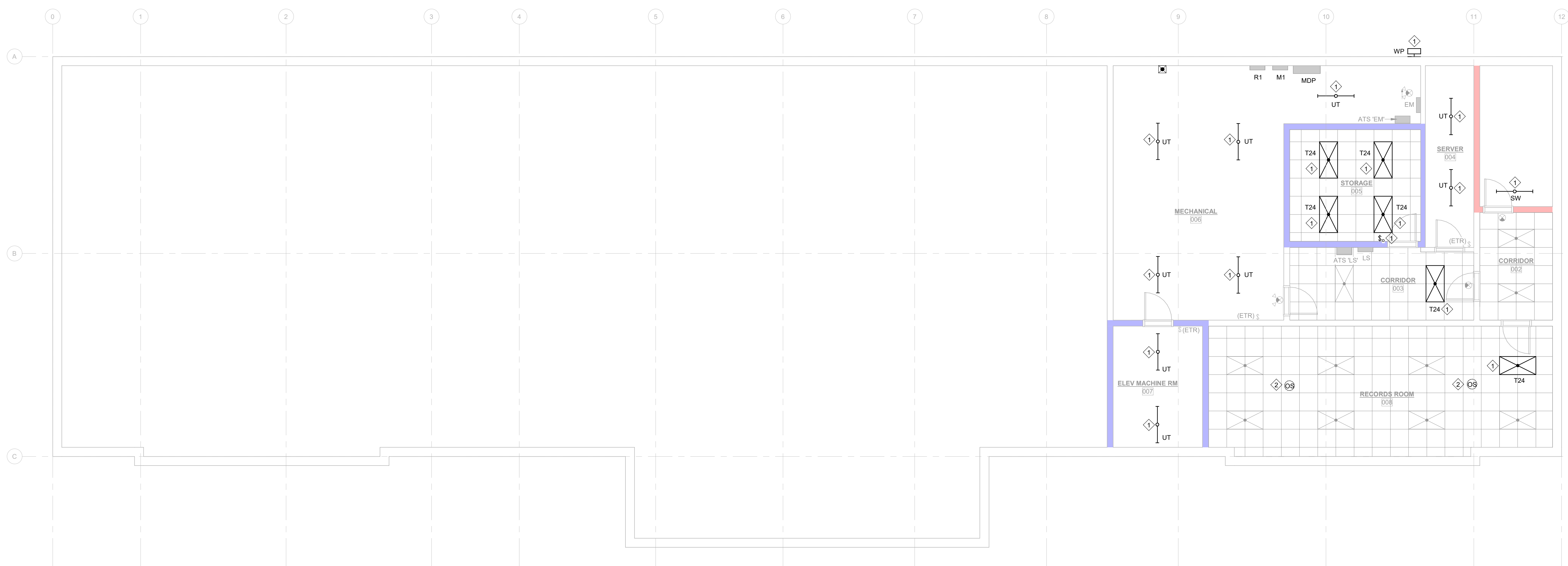
DRAWING NAME

**ELECTRICAL CEILING
PLAN - BASEMENT**

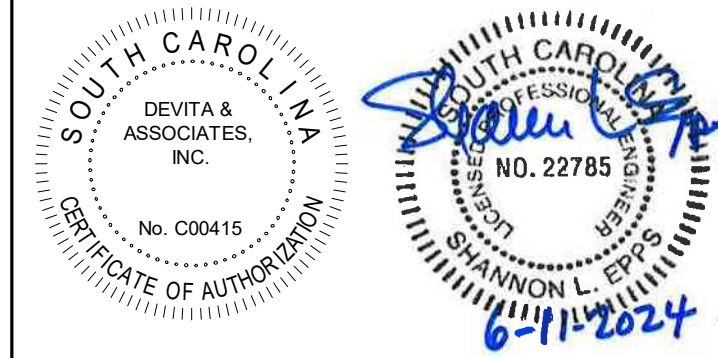
DRAWING NO.

E300

Drawn By: RHV Checked By: SLE



1 ELECTRICAL CEILING PLAN - BASEMENT
E300 3/16" = 1'-0"
0 4 8 12 16



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DEVITA Project No. 23501-01

GENERAL NOTES:

- A. REFER TO SHEET E900 FOR LIGHTING FIXTURE SCHEDULE.
- B. EMERGENCY LIGHTS/EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
- C. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
- D. ALL CEILING MOUNTED DEVICES AND FIXTURES ARE EXISTING TO REMAIN UNO. REINSTALL AND RECONNECT ALL EXISTING TO REMAIN CEILING MOUNTED DEVICES AND FIXTURES AFTER REINSTALLATION OF THE CEILING.
- E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
- F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

PLAN NOTES:

- 1. REPLACE EXISTING DEVICE OR FIXTURE WITH NEW PER SPECIFICATIONS AND RECONNECT TO THE EXISTING CIRCUIT. EXTEND CONDUIT AND WIRING AS NECESSARY TO NEW LOCATIONS. NOTE THE EXISTING CIRCUIT ON THE AS-BUILT DRAWINGS AND LABEL ON DEVICE COVERPLATE.
- 2. PROVIDE NEW DEVICE.
- 3. COORDINATE LIGHT FIXTURE LOCATION WITH NEW CHASE. EXTEND EXISTING CIRCUIT TO NEW LOCATION AND RECONNECT.

CONSULTANT

PROJECT INFORMATION:

**YORK COUNTY
 PLANNING FACILITY
 HVAC UPGRADES**

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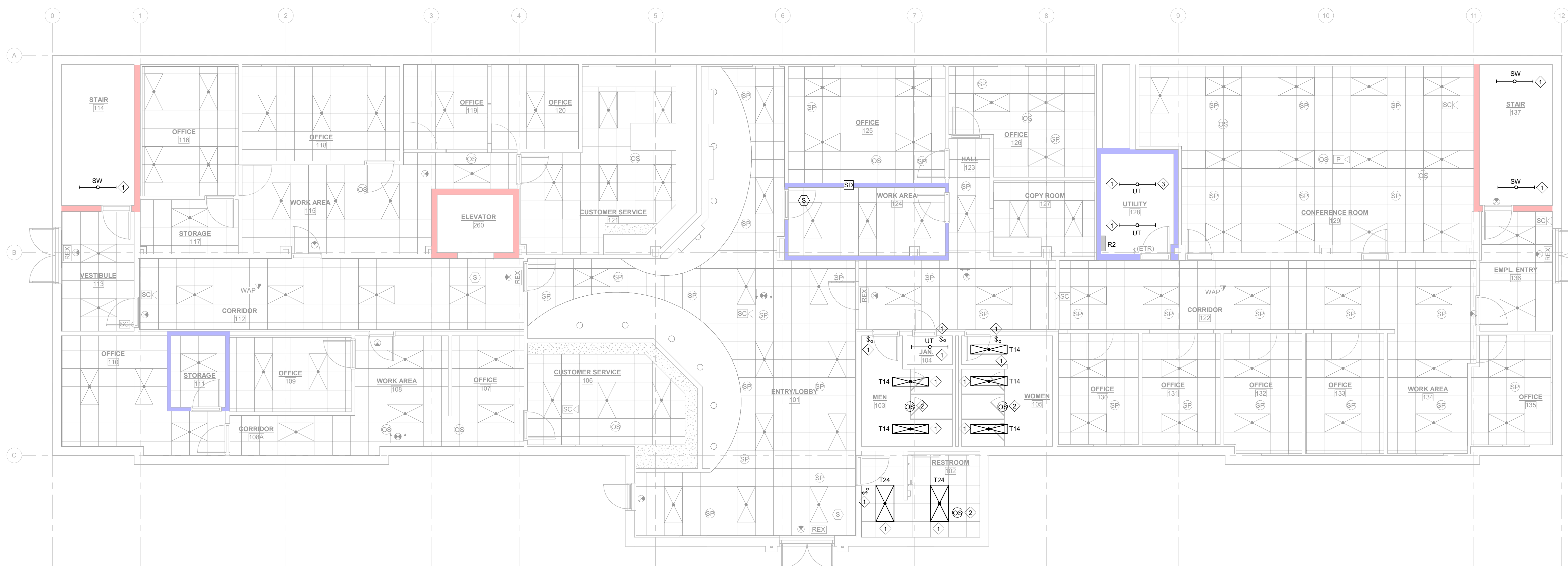
DRAWING NAME

**ELECTRICAL CEILING
 PLAN - 1ST FLOOR**

DRAWING NO.

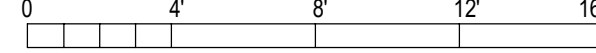
E301

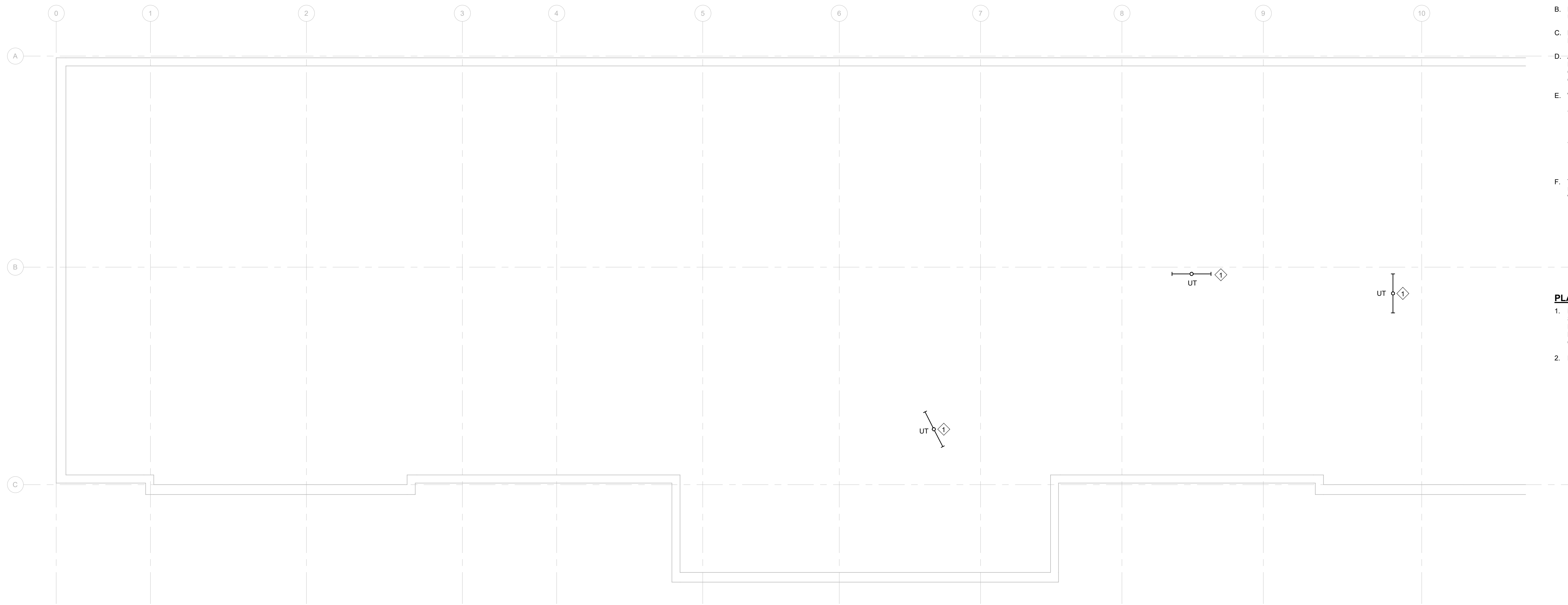
Drawn By: RHV Checked By: SLE



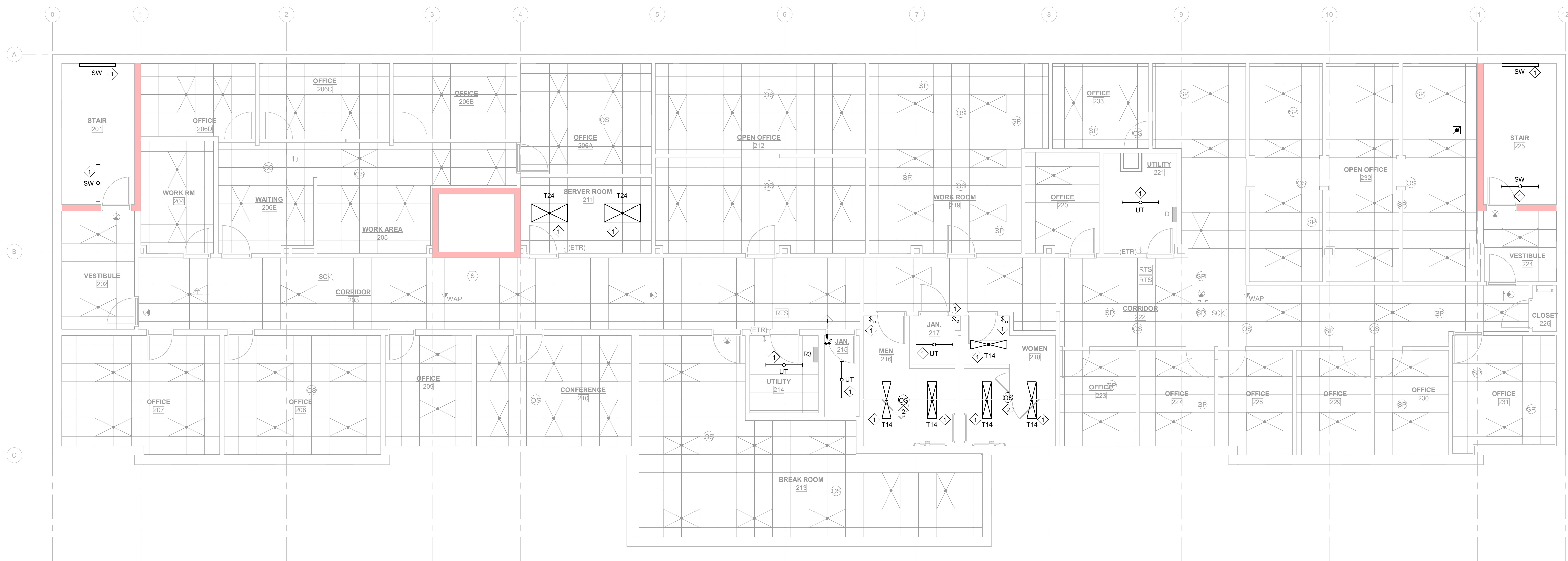
1 ELECTRICAL CEILING PLAN - 1ST FLOOR

E301 3/16" = 1'-0"





2 ELECTRICAL CEILING PLAN - ATTIC
 E302 3/16" = 1'-0"



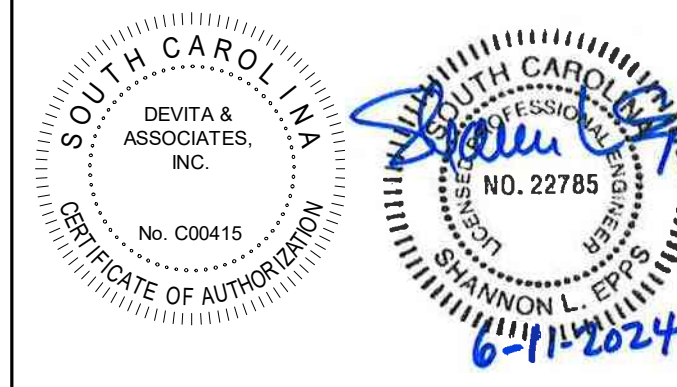
1 ELECTRICAL CEILING PLAN - 2ND FLOOR
 E302 3/16" = 1'-0"

GENERAL NOTES:

- A. REFER TO SHEET E900 FOR LIGHTING FIXTURE SCHEDULE.
- B. EMERGENCY LIGHTS/EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
- C. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E001.
- D. ALL CEILING MOUNTED DEVICES AND FIXTURES ARE EXISTING TO REMAIN UNO. REINSTALL AND RECONNECT ALL EXISTING TO REMAIN CEILING MOUNTED DEVICES AND FIXTURES AFTER REINSTALLATION OF THE CEILING.
- E. WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.
- F. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.

PLAN NOTES:

- 1. REPLACE EXISTING DEVICE OR FIXTURE WITH NEW PER SPECIFICATIONS AND RECONNECT TO THE EXISTING CIRCUIT. EXTEND CONDUIT AND WIRING AS NECESSARY TO NEW LOCATIONS. NOTE THE EXISTING CIRCUIT ON THE AS-BUILT DRAWINGS AND LABEL ON DEVICE COVERPLATE.
- 2. PROVIDE NEW DEVICE.



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DRAWING NAME

**ELECTRICAL CEILING
 PLAN - 2ND FLOOR &
 ATTIC**

DRAWING NO.

E302

Drawn By: RHV Checked By: SLE

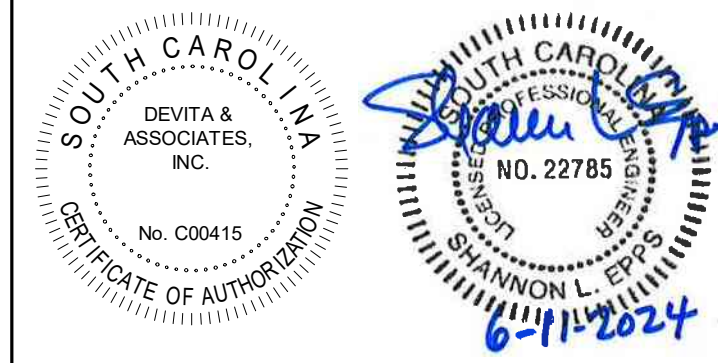
MECHANICAL EQUIPMENT SCHEDULE

TAG	VOLTAGE	PHASE	LOAD			CONDUCTORS & CONDUIT	DISCONNECT	CIRCUIT		REMARKS
			KW	HP	FLA			PANEL	NO.	
(E)DDU-2	208	1			EXISTING	EXISTING	30A/2P/NF/3R	EM	18,20	1
AC-1A	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	5,7	
AC-1B	208	1			0.24	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	5,7	
AC-1C	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	2,4	
AC-1D	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	9,11	
AC-1E	208	1			0.24	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	9,11	
AC-1F	208	1			0.24	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	9,11	
AC-1G	208	1			0.54	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	2,4	
AC-1H	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	2,4	
AC-1I	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	6,8	
AC-1J	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	6,8	
AC-1K	208	1			0.24	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	6,8	
AC-1L	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	2,4	
AC-1M	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	6,8	
AC-2A	208	1			0.54	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	12,14	
AC-2B	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	16,18	
AC-2C	208	1			0.39	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	12,14	
AC-2D	208	1			0.28	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	16,18	
AC-2E	208	1			2.88	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	16,18	
AC-2F	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	8,10	
AC-2G	208	1			2.94	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	16,18	
AC-2H	208	1			0.24	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	8,10	
AC-2I	208	1			1.75	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	8,10	
AC-2J	208	1			0.28	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	12,14	
AC-2K	208	1			2.13	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	12,14	
BCC-1-1	208	1			0.83	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	2,4	
BCC-1-2	208	1			0.74	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	9,11	
BCC-2-1	208	1			0.83	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	16,18	
BCC-2-2	208	1			0.74	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	D	8,10	
BCC-3	208	1			0.55	2#12, 1#12G, 3/4" C	2 POLE MOTOR RATED SWITCH	M1	5,7	
DH-1	208	3	9			3#8, 1#10G, 1" C	FURNISHED WITH EQUIPMENT	M1	14,16,18	
DOAS-1	208	1			3.99	2#12, 1#12G, 3/4" C	30A/2P/NF/1	M1	1,3	
DOAS-2	208	1			4.80	2#12, 1#12G, 3/4" C	30A/2P/NF/1	D	15,17	
EF-1	120	1			7.40	2#12, 1#12G, 3/4" C	FURNISHED WITH EQUIPMENT	D	13	
HP-1	208	3			49	3#3, 1#8G, 1-1/4" C	100A/3P/NF/3R	M1	20,22,24	
HP-2 (CKT 1)	208	3			41	3#4, 1#10G, 1-1/4" C	60A/3P/NF/3R	M1	26,28,30	
HP-2 (CKT 2)	208	3			41	3#4, 1#10G, 1-1/4" C	60A/3P/NF/3R	M1	32,34,36	
HP-3	208	3			43	3#4, 1#8G, 1-1/4" C	100A/3P/NF/3R	M1	38,40,42	

MECHANICAL EQUIPMENT SCHEDULE REMARKS
 1. EXISTING EQUIPMENT TO REMAIN. REPLACE DISCONNECT ONLY AND RECONNECT TO EXISTING CIRCUIT.

LIGHTING FIXTURE SCHEDULE

FIXTURE MARK	FIXTURE DESCRIPTION	LAMP TYPE AND LUMENS	VOLTAGE	FIXTURE WATTS	MOUNTING METHOD AND HEIGHT	ACCEPTABLE MANUFACTURERS	REMARKS
SW	4' LED STRIP FIXTURE, WHITE STEEL HOUSING, LINEAR FACETED REFRACTOR, DIMS TO 50% WHEN UNOCCUPIED.	LED 4000°K 4000 LUMENS	120	40	CEILING OR WALL SURFACE	MANUF: LITHONIA LIGHTING PART # WL4 40L EZ1 LP840 DIM50 OR EQUAL BY COLUMBIA OR METALUX	
T14	1'x4' RECESSED LED ARCHITECTURAL TROFFER, FROSTED ACRYLIC LENS, CRS STEEL HOUSING AND REFLECTOR, DRYWALL MOUNT, 1% MINIMUM 0-10V DIMMING	LED 4000°K 4000 LUMENS	120	32	CEILING RECESSED	MANUF: HE WILLIAMS PART # FT 1 4 LS 4800 8 CS 4000K AF DFK-1248W DIM UNV OR EQUAL BY COLUMBIA OR METALUX	
T24	2'x4' RECESSED LED ARCHITECTURAL TROFFER, FROSTED ACRYLIC LENS, CRS STEEL HOUSING AND REFLECTOR, GRID MOUNT, 1% MINIMUM 0-10V DIMMING	LED 4000°K 4100 LUMENS	120	28	CEILING RECESSED	MANUF: HE WILLIAMS PART # FT 2 4 LS 4100 8 CS 4000K AF DIM UNV OR EQUAL BY COLUMBIA OR METALUX	
UT	4' LED STRIP FIXTURE, BAKED WHITE STEEL HOUSING, DIFFUSE SNAP-ON LENS	LED 4000°K 5000 LUMENS	120	41	CEILING SURFACE	MANUF: LITHONIA LIGHTING PART # ZL1D L48 5000LM FST MVOLT 40K 80CRI HCS6 M1/2 OR EQUAL BY COLUMBIA OR METALUX	1
WP	LED WEDGE WALL MOUNT, DIE-CAST ALUMINUM HOUSING WITH BLACK FINISH, BUTTON PHOTOCELL, UL LISTED FOR WET LOCATIONS.	LED 4000°K 2000 LUMENS	120	15	WALL SURFACE	MANUF: LITHONIA LIGHTING PART # WEDGE2 LED P2 40K 80CRI MVOLT SRM PE OR EQUAL BY LUMARK OR HUBBELL	
LIGHTING FIXTURE SCHEDULE GENERAL NOTES:							
A. FINISHES SHALL BE CONFIRMED BY ARCHITECT OR OWNER PRIOR TO ORDERING.							
B. LED DRIVERS SHALL CONFORM TO IEEE P1789 STANDARDS. ALTERNATIVELY, MANUFACTURERS MUST DEMONSTRATE CONFORMANCE WITH PRODUCT LITERATURE AND TESTING WHICH DEMONSTRATES THIS PERFORMANCE. SYSTEMS THAT DO NOT MEET IEEE P1789 WILL NOT BE CONSIDERED.							
C. LED DRIVERS SHALL BE MULTI-VOLT. IF MULTI-VOLT DRIVERS ARE NOT AVAILABLE, THEN REQUIRED VOLTAGE SHALL BE VERIFIED WITH ENGINEER PRIOR TO ORDERING.							
D. ENSURE THAT LIGHTING CONTROL DEVICES ARE COMPATIBLE WITH FIXTURES AND LAMPS.							
E. PROVIDE MOUNTING KITS AND/OR ACCESSORIES REQUIRED FOR INSTALLING FIXTURES IN VARIOUS CEILING TYPES. VERIFY CEILING TYPES WITH ARCHITECTURAL DRAWINGS.							
LIGHTING FIXTURE SCHEDULE REMARKS:							
1. SURFACE MOUNT ON HARD CEILINGS OR CHAIN-HANG AT 8'-0" AFF ON CEILINGS > 10'-0".							



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DRAWING NAME
**ELECTRICAL
 SCHEDULES**

DRAWING NO.
E900

Drawn By: RHV Checked By: SLE



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DRAWING NAME
**ELECTRICAL PANEL
SCHEDULES**

DRAWING NO.
E901

Drawn By: RHV Checked By: SLE

EXISTING PANEL GENERAL NOTES:

- EXISTING CIRCUIT DATA SHOWN IS TAKEN FROM EXISTING FACILITY DOCUMENTATION AND/OR FIELD OBSERVATION. FIELD VERIFY ALL CIRCUITS.
- VERIFY CIRCUITS ON EXISTING PANELS. ADJUST CIRCUITING AS REQUIRED TO MEET DESIGN INTENT OF DRAWINGS. TURN SPARE BREAKERS OFF.
- PROVIDE NEW TYPEWRITTEN PANEL DIRECTORY TO REFLECT NEW CONDITIONS UPON COMPLETION OF WORK DESCRIBED IN THESE DRAWINGS.
- REUSE EXISTING CIRCUIT BREAKERS WHERE POSSIBLE. PROVIDE NEW BREAKERS AS REQUIRED. TYPE, VOLTAGE RATING, AND AIC RATING TO MATCH EXISTING.
- PANEL SCHEDULES REFLECT STATUS AFTER PROPOSED WORK IS COMPLETE, UNLESS NOTED OTHERWISE.
- BOLD TEXT INDICATES EXISTING CIRCUITS MODIFIED AS PART OF THIS RENOVATION.

PANEL SCHEDULE NOTES:

- A - AFCI BREAKER
- G - GFI CIRCUIT BREAKER
- IG - ISOLATED GROUND CIRCUIT
- CP# - ROUTE CIRCUIT HOMERUN VIA CONTACTOR INDICATED
- LF - PROVIDE PAD-LOCK ATTACHMENT FOR MAINTENANCE LOCK-OUT OF CIRCUIT BREAKER
- LO - PROVIDE LOCK-ON DEVICE FOR CIRCUIT BREAKER
- P - PRE-WIRED INTERNAL CIRCUIT BY SWITCHGEAR MANUFACTURER
- ST - SHUNT TRIP CIRCUIT BREAKER
- SUB - SUB-FEED CIRCUIT BREAKER
- E - EXISTING BREAKER AND CIRCUIT IN EXISTING PANEL TO REMAIN
- N - NEW BREAKER. REMOVE EXISTING BREAKER IN SPACE AND TURN OVER TO OWNER IF ONE IS PRESENT.
- R - REUSE EXISTING BREAKER FOR NEW CIRCUIT LOAD AND/OR DESCRIPTION INDICATED

Panel: MDP (EXISTING)											
		Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1			Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 1200 A Panel Rating: 1200 A Type: MLO			Remarks: EATON PRL4			
BRKR	Notes	Circuit Description	CKT	A (VA)	B (VA)	C (VA)	CKT	Circuit Description	Notes	BRKR	
30 A	3	E SPD	1	0	6402	0	5040	2	PANEL EM	E 3 100 A	
200 A	3	E PANEL R3	7	8520	700	0	5062	6			
400 A	3	E PANEL D	13	1825	--	2121	--	14	SPACE OCCUPIED BY PANEL D	E 3 --	
600 A	3	E PANEL M1	21	26361	--	25716	--	22	SPACE OCCUPIED BY PANEL M1	E 3 --	
150 A	3	E ELEVATOR	23	10300	10000	10300	8750	28	PANEL R1	E 3 200 A	
125 A	3	R SPARE	31	0	8820	0	8320	34	PANEL R2	E 3 200 A	
125 A	3	R SPARE	37	0	0	0	0	40	SPARE	R 3 45 A	
125 A	3	R SPARE	43	0	--	0	--	44	SPACE	3 --	
				72928 VA	69167 VA	68686 VA	0	48	PANEL TOTALS:		
Connected Load				19700 VA	48447 VA	54720 VA	86705 VA				
Demand Factor				125.00%	100.00%	NEC	100.00%	Total Conn. Load: 210782 VA			
Demand Load				24683 VA	49447 VA	32360 VA	86705 VA	Total Est. Demand: 193318 VA			
								Total Conn. Current: 585 A			
								Total Est. Demand Current: 537 A			

Panel: M1 (EXISTING)											
		Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1			Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 600 A Panel Rating: 600 A Type: MLO			Remarks: EATON PRL3A			
BRKR	Notes	Circuit Description	CKT	A (VA)	B (VA)	C (VA)	CKT	Circuit Description	Notes	BRKR	
15 A	2	N DOAS-1, CP-25	1	415	973	415	973	2	AC-1C, AC-1G, AC-1H, AC-1L, BCC-1-1, CP-3, CP-7, CP-8, CP-12, CP-27	N 2 15 A	
15 A	2	N AC-1A, AC-1B, BCC-3, CP-1, CP-2, CP-31	5	304	774	304	774	6	AC-1I, AC-1J, AC-1K, AC-1M, CP-9, CP-10, CP-11, CP-13	N 2 15 A	
70 A	3	R SPARE	13	0	3000	0	3000	12	SPACE	1 --	
70 A	3	R SPARE	15	0	3000	0	3000	16	DH-1	N 3 35 A	
70 A	3	R SPARE	17	0	5884	0	5884	18	HP-1	N 3 80 A	
70 A	3	R SPARE	21	0	4924	0	4924	22	HP-2 (CKT 1)	N 3 60 A	
70 A	3	R SPARE	23	0	4924	0	4924	24	HP-2 (CKT 2)	N 3 60 A	
70 A	3	R SPARE	25	0	5164	0	5164	26	HP-3	N 3 70 A	
				26361 VA	25716 VA	25406 VA	0	42	PANEL TOTALS:		
Connected Load				0 VA	42762 VA	0 VA	34721 VA				
Demand Factor				Not...	100.00%	NEC	100.00%	Total Conn. Load: 77483 VA			
Demand Load				0 VA	42762 VA	0 VA	34721 VA	Total Est. Demand: 77483 VA			
								Total Conn. Current: 215 A			

Panel: R2 (EXISTING)											
		Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1			Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 200 A Panel Rating: 225 A Type: MLO			Remarks: EATON PRL2A			
BRKR	Notes	Circuit Description	CKT	A (VA)	B (VA)	C (VA)	CKT	Circuit Description	Notes	BRKR	
30 A	3	E SPD	1	0	720	0	720	2	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	3	720	720	0	720	4	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	5	720	720	0	720	6	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	7	720	720	720	720	8	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	9	720	720	720	720	10	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	11	720	720	720	720	12	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	13	720	720	720	720	14	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	15	720	720	720	720	16	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	17	720	720	720	720	18	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	19	720	720	720	1000	20	RECEPTACLE	E 1 20 A	
20 A	1	E RECEPTACLE	21	720	300	720	1000	22	EWI	E 2 15 A	
20 A	1	E RECEPTACLE	23	720	300	720	0	24	BMS CONTROL	R 1 20 A	
20 A	1	E RECEPTACLE	25	1200	420	720	420	26	SPARE	E 1 20 A	
20 A	1	E RECEPTACLE	27	1200	420	720	420	28	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	29	1200	420	720	420	30	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	31	720	420	720	420	32	1ST FLOOR LIGHTING - RM 109, 110	E 1 20 A	
20 A	1	E RECEPTACLE	33	720	420	720	420	34	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	35	720	420	720	420	36	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	37	720	420	720	420	38	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	39	720	420	720	420	40	1ST FLOOR LIGHTING	E 1 20 A	
20 A	1	E RECEPTACLE	41	720	420	720	420	42	1ST FLOOR LIGHTING	E 1 20 A	
				8820 VA	8320 VA	8740 VA	0	48	PANEL TOTALS:		
Connected Load				2940 VA	19440 VA	3500 VA	0 VA				
Demand Factor				125.00%	100.00%	NEC	100.00%	Total Conn. Load: 25880 VA			
Demand Load				3675 VA	14720 VA	3500 VA	0 VA	Total Est. Demand: 21895 VA			
								Total Conn. Current: 72 A			
								Total Est. Demand Current: 61 A			

Panel: LS (EXISTING)											
		Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1			Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 100 A Panel Rating: 100 A Type: MCB			Remarks: EATON PRL1A			
BRKR	Notes	Circuit Description	CKT	A (VA)	B (VA)	C (VA)	CKT	Circuit Description	Notes	BRKR	
20 A	1	E ELEVATOR CAR LIGHT	1	500	200	0	0	2	BASEMENT EM LIGHTS	E 1 20 A	
20 A	1	R BASEMENT SMOKE DAMPERS	3	400	200	0	0	4	1ST FLOOR EM LIGHTS	E 1 20 A	
20 A	1	R 1ST FLOOR SMOKE DAMPERS	5	600	200	0	0	6	2ND FLOOR EM LIGHTS	E 1 20 A	
20 A	1	E SPARE	7	0	0	0	0	8	SPARE	E 1 20 A	
20 A	1	E SPARE	9	0	0	0	0	10	SPARE	E 1 20 A	
20 A	1	E SPARE	11	0	0	0	0	12	SPARE	E 1 20 A	
20 A	1	E SPARE	13	0	0	0	0	14	SPARE	E 1 20 A	
20 A	1	E SPARE	15	0	0	0	0	16	SPARE	E 1 20 A	
20 A	1	E SPARE	17	0	0	0	0	18	SPARE	E 1 20 A	
20 A	1	E SPARE	19	0	0	0	0	20	SPARE	E 1 20 A	
20 A	1	E SPARE	21	0	0	0	0	22	SPARE	E 1 20 A	
--	1	SPACE	23	--	--	--	--	24	SPACE	E 1 20 A	
--	1	SPACE	25	--	--	--	--	26	SPACE	1 --	
--	1	SPACE	27	--	--	--	--	28	SPACE	1 --	
--	1	SPACE	29	--	--	--	--	30	SPACE	1 --	
--	1	SPACE	31	--	--	--	--	32	SPACE	1 --	
--	1	SPACE	33	--	--	--	--	34	SPACE	1 --	
--	1	SPACE	35	--	--	--	--	36	SPACE	1 --	
--	1	SPACE	37	--	--	--	--	38	SPACE	1 --	
--	1	SPACE	39	--	--	--	--	40	SPACE	1 --	
--	1	SPACE	41	--	--	--	--	42	SPACE	1 --	
				700 VA	600 VA	800 VA	0	48	PANEL TOTALS:		
Connected Load				1100 VA	1000 VA	1000 VA	0 VA				
Demand Factor				125.00%	100.00%	NEC	100.00%	Total Conn. Load: 2100 VA			
Demand Load				1375 VA	1000 VA	1000 VA	0 VA	Total Est. Demand: 2375 VA			
								Total Conn. Current: 6 A			
								Total Est. Demand Current: 17 A			