

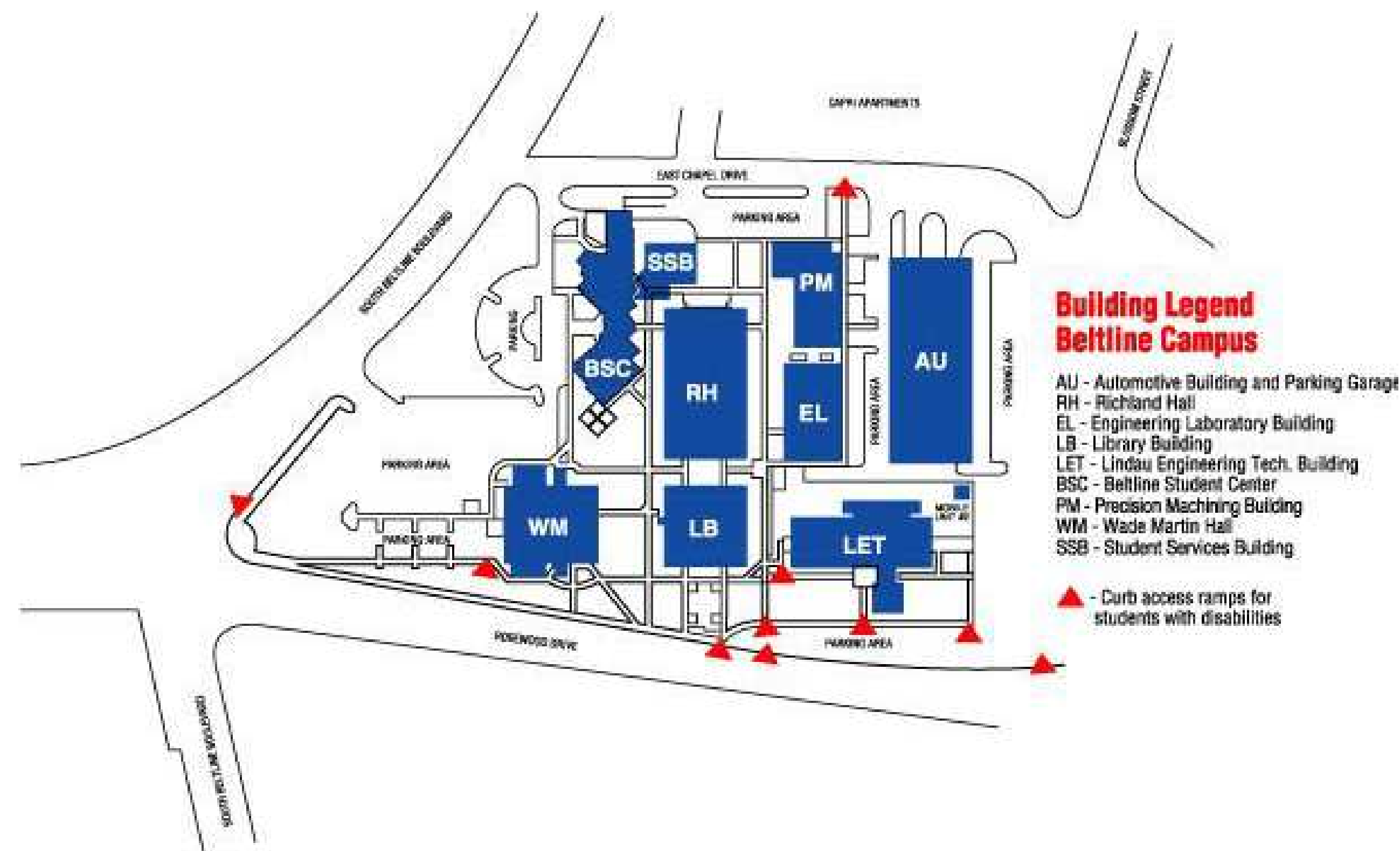
# MIDLANDS TECHNICAL COLLEGE VETERANS SUCCESS CENTER RELOCATION

316 S BELTLINE BOULEVARD | COLUMBIA, SC  
LEARNING RESOURCE CENTER ROOM 103

ARCHITECT'S PROJECT NUMBER 22.305.01

MARCH 17, 2023

## CONSTRUCTION DOCUMENTS

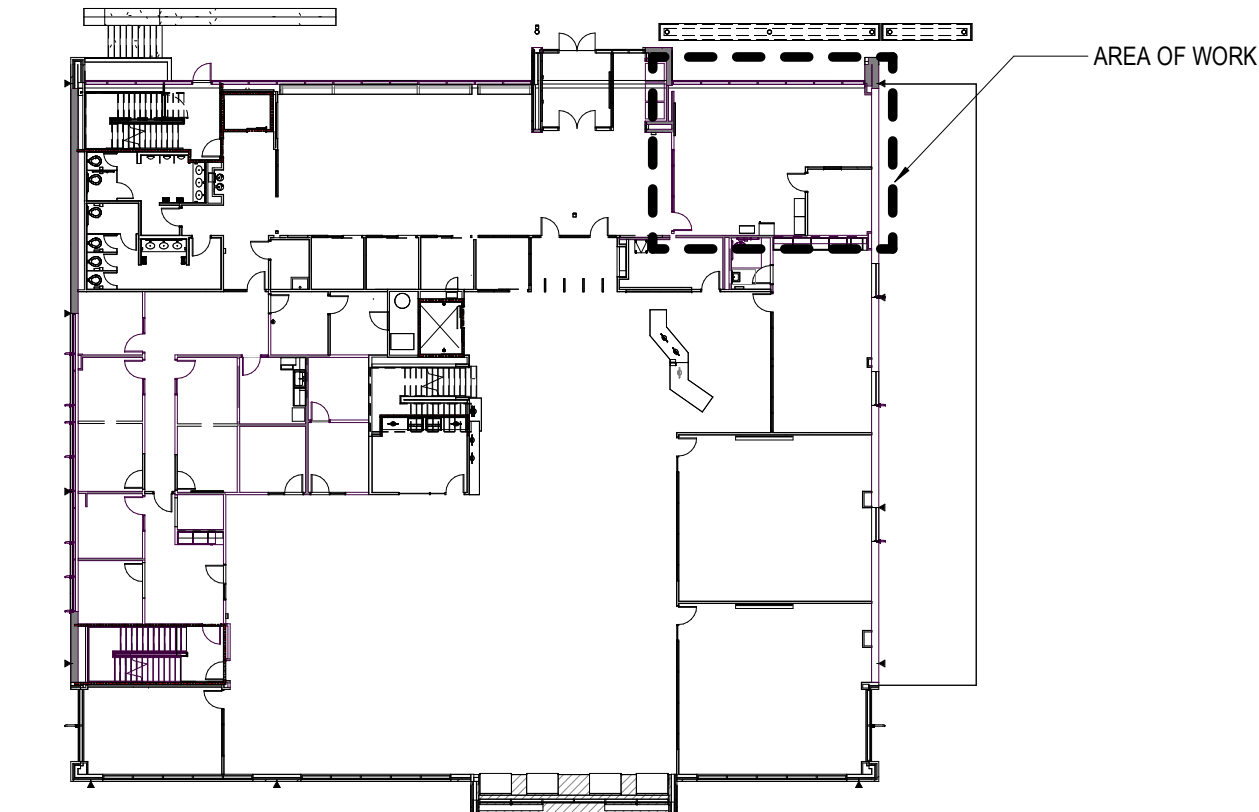


**OSE HAS ADOPTED THE FOLLOWING CODES:**

- A. INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- B. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2018 EDITION
- C. INTERNATIONAL FIRE CODE (IFC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 EDITION
- E. INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- F. INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- G. INTERNATIONAL PLUMBING CODE (IPC), 2018 EDITION
- H. INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (IPSDC), 2018 EDITION
- I. INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2018 EDITION
- J. INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS (IRC), 2018 EDITION
- K. INTERNATIONAL WILDLAND-URBAN INTERFACE CODE (IWUIC), 2018 EDITION
- L. INTERNATIONAL CODE COUNCIL PERFORMANCE CODE (ICCPC), 2018
- M. INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPS), 2018
- N. STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS, ICC 300-2017 EDITION
- O. NATIONAL ELECTRICAL CODE (NEC) (NFPA 70), 2017 EDITION WITH SOUTH CAROLINA MODIFICATIONS
- P. NATIONAL ELECTRICAL SAFETY CODE, IEEE-C2-2017 EDITION
- Q. LATEST ADDITION OF ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- R. STATE FIRE MARSHAL RULES, REGULATIONS, AND POLICIES
- S. SOUTH CAROLINA ELEVATOR CODE & REGULATIONS
  - A. SC ELEVATOR CODE REFERENCES ASME SAFETY CODE FOR ELEVATORS, DUMBWAITERS, ESCALATORS, AND MOVING WALKS ASME A17.1
- T. STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS DATA SYSTEM POLICIES
- U. STATE OF SC BUILDING STANDARDS IN FLOODPLAIN AREAS
- V. THE SOUTH CAROLINA MODULAR BUILDINGS CONSTRUCTION ACT

**LIBRARY BUILDING CODE INFORMATION**

OCCUPANCY CLASSIFICATION: GROUP A-3 ASSEMBLY GROUP  
 TYPE OF CONSTRUCTION: ASSUMED TYPE IIB (EXISTING CONCRETE)  
 AREA TO BE RENOVATED: 1,000 SF  
 EXISTING BUILDING IS SPRINKLERED  
 PROJECT SCOPE:  
 ADD AN OFFICE TO CLASSROOM 103 AND MODIFY LIGHTING, ELECTRICAL, AND HVAC TO ACCOMMODATE VETERANS SUCCESS CENTER THAT WILL BE RELOCATED HERE.  
 IBC 2018 EXISTING BUILDING CODE  
 LEVEL 2 ALTERATION  
 SEISMIC DESIGN CATEGORY: C

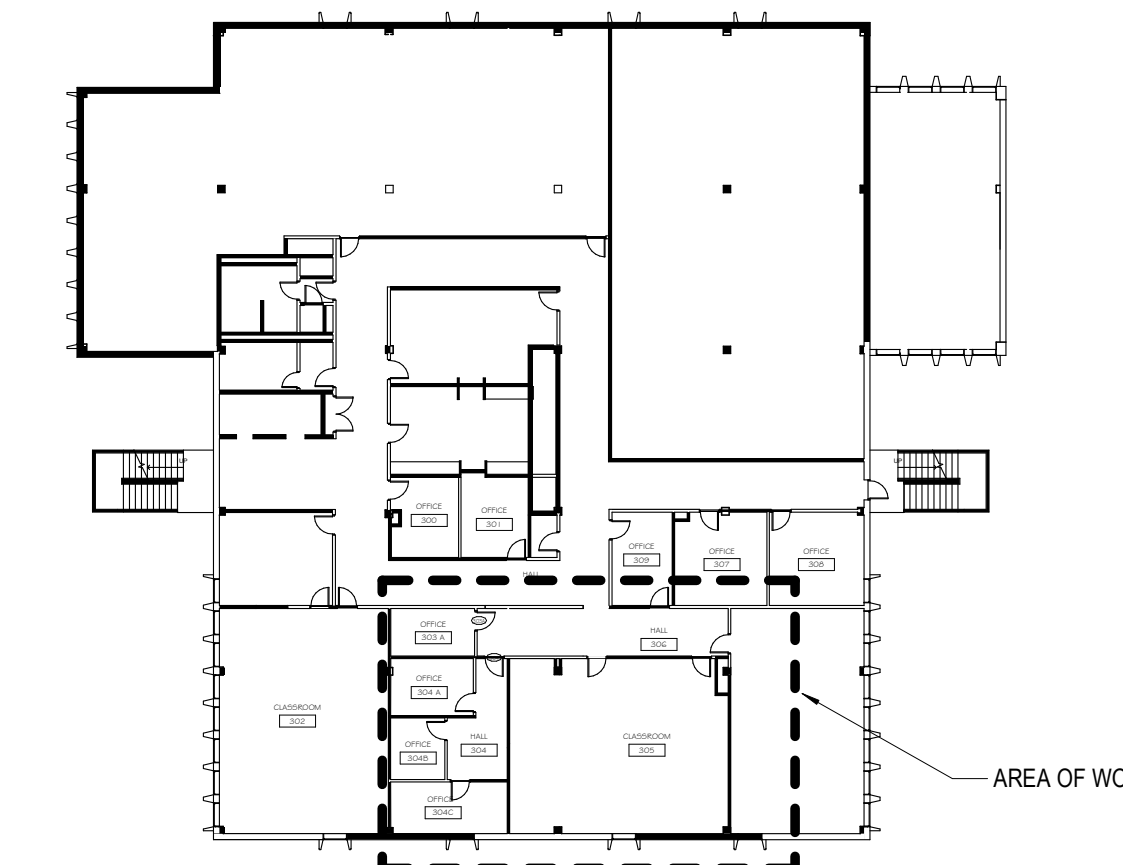


LIBRARY BUILDING

**NOTE: RENOVATION DOES NOT  
IMPACT EGRESS OR OCCUPANCY**

**WADE MARTIN CODE INFORMATION**

OCCUPANCY CLASSIFICATION: BUSINESS GROUP B  
 TYPE OF CONSTRUCTION: TYPE IIB (EXISTING CONCRETE)  
 AREA TO BE RENOVATED: 199 SF  
 EXISTING BUILDING IS NOT SPRINKLERED  
 PROJECT SCOPE:  
 ADD A WALL AND DOOR IN THE CORRIDOR AND MODIFY ELECTRICAL AND HVAC ACCORDINGLY.  
 IBC 2018 EXISTING BUILDING CODE  
 LEVEL 2 ALTERATION



WADE MARTIN

**PROJECT TEAM**

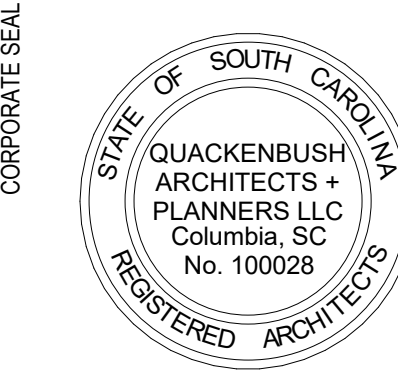
**ARCHITECT**  
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 1217 HAMPTON STREET  
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**ELECTRICAL ENGINEER**  
 BELKA ENGINEERING ASSOCIATES, INC.  
 2519A PLATT SPRINGS ROAD  
 WEST COLUMBIA, SC 29169  
 T: 803-731-0650

**INDEX OF DRAWINGS**

- GENERAL**
- G-000 COVER SHEET, INDEX OF DRAWINGS
- ARCHITECTURAL**
- A-101 FLOOR PLAN, CEILING PLAN, DETAILS, NOTES AND LEGENDS
  - A-201 WADE MARTIN - HALL 306 RENOVATION
- MECHANICAL**
- M-101 FLOOR PLAN, DETAILS, NOTES, SCHEDULE, AND LEGEND
- ELECTRICAL**
- E-101 FLOOR PLAN & CEILING PLAN
  - E-201 WADE MARTIN THIRD FLOOR ELECTRICAL PLAN



PROJECT TITLE

MTC - VETERANS SUCCESS CENTER  
 RELOCATION  
 MIDLANDS TECHNICAL COLLEGE  
 316 S BELTLINE BOULEVARD, LEARNING RESOURCE CENTER RM 103, COLUMBIA, SC

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PHASE	CONSTRUCTION DOCUMENTS
ISSUE DATE	3.16.2023
PROJECT NO.	22.305.01
REVISION	DATE

TITLE  
 COVER SHEET, INDEX OF DRAWINGS

SHEET NO.  
**G-000**

ARE SEAL



CORPORATE SEAL



PROJECT TITLE

MTC - VETERANS SUCCESS CENTER  
RELOCATION  
MIDLANDS TECHNICAL COLLEGE  
316 BELLEVUE BOULEVARD, LEARNING RESOURCE CENTER RM 103, COLUMBIA, SC

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PHASE  
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ISSUE DATE 3.17.2023  
PROJECT NO. 22.305.01

REVISION DATE

TITLE  
VETERANS SUCCESS CENTER

SHEET NO.

A-101

GENERAL INTERIOR PARTITION NOTES

- A. PARTITION TYPE DETAILS APPLY UNLESS INDICATED OTHERWISE.
- B. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL OPENINGS AND HOLES (INCLUDING THOSE REQUIRED FOR DUCTWORK AND CONDUIT IN PARTITIONS).
- C. PROVIDE DRAFT STOP AT TOP OF ALL WALL ASSEMBLIES THAT DO NOT CONTINUE TIGHT TO STRUCTURE - INCLUDING PLUMBING CHASES.

SPECIFICATIONS

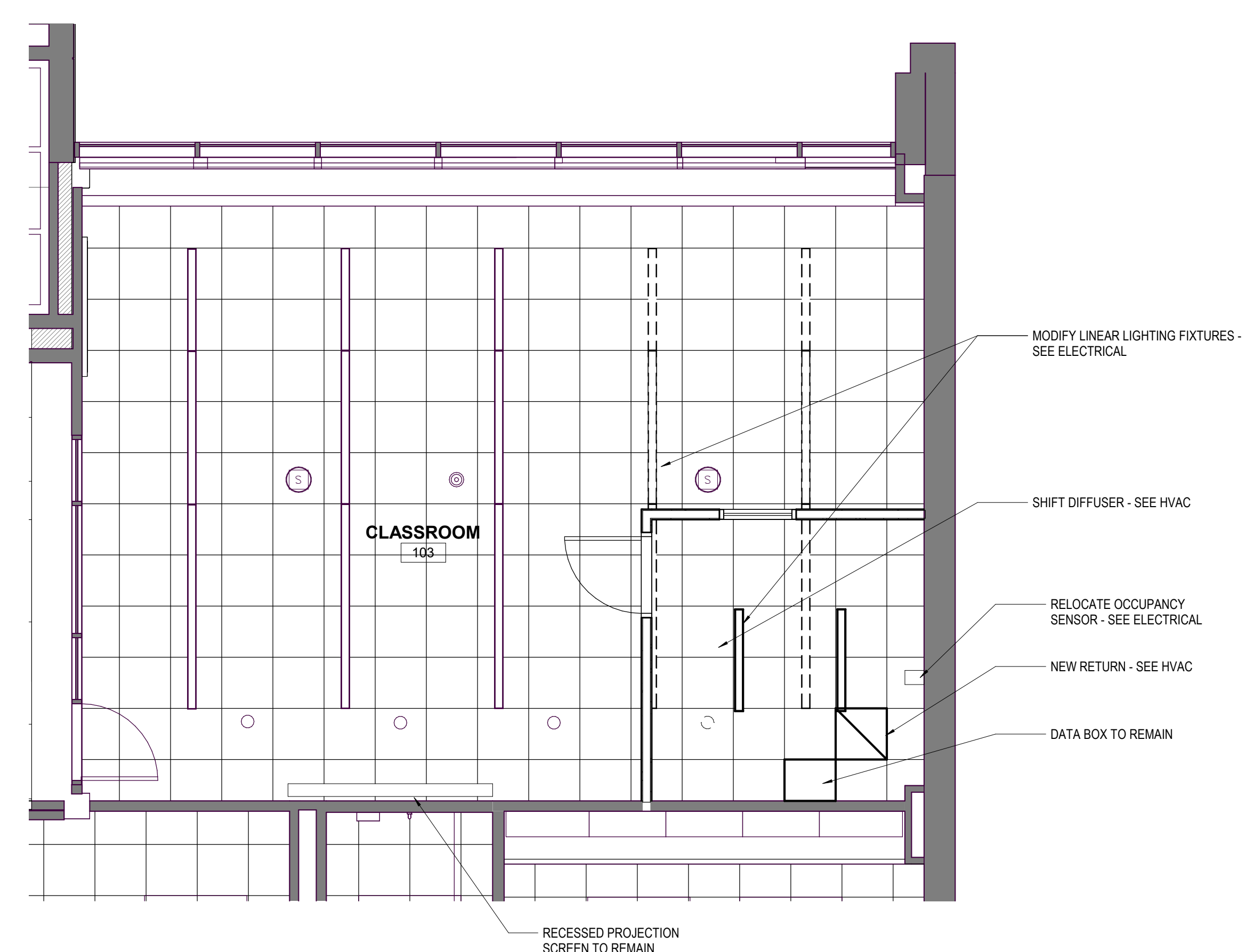
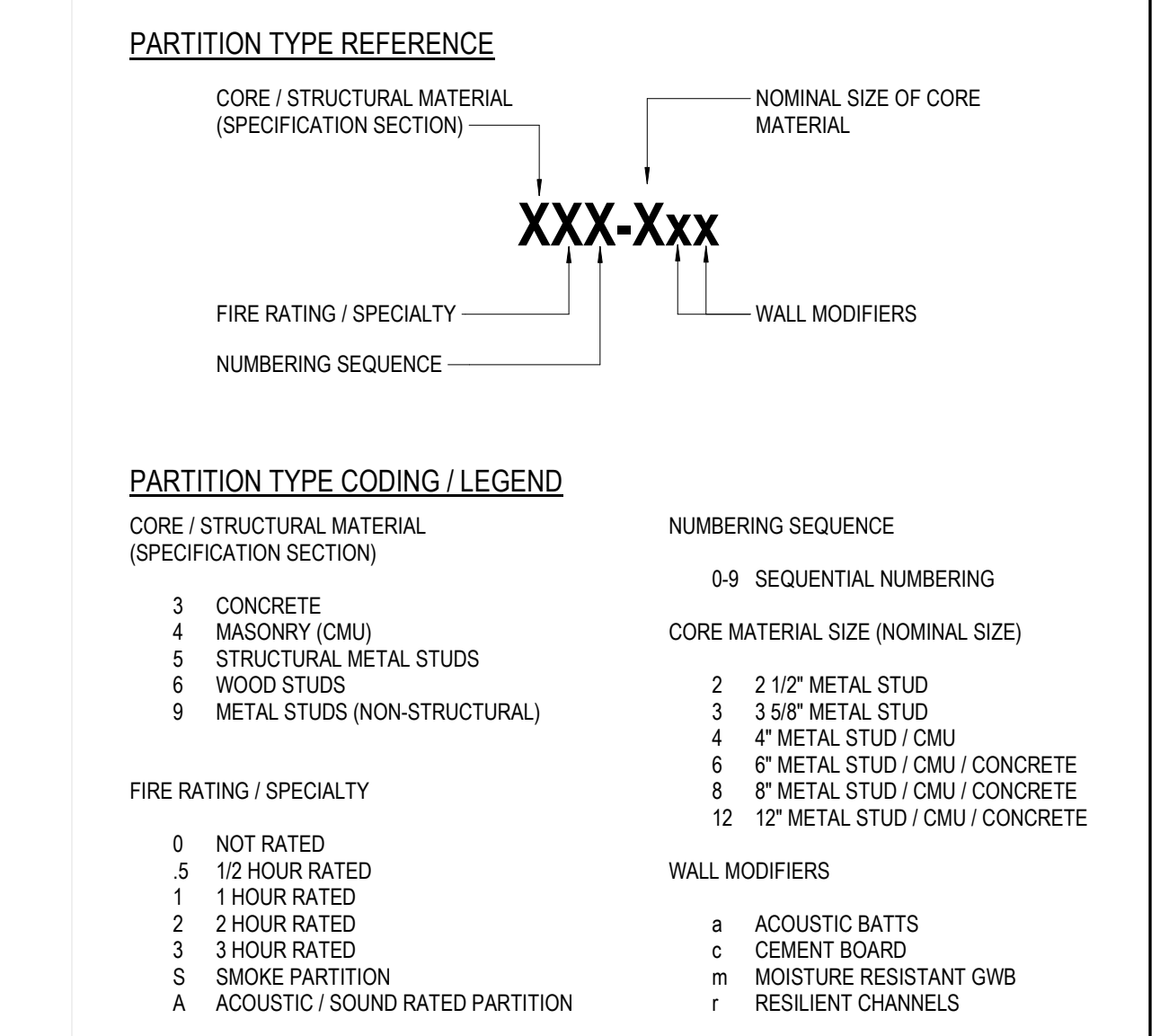
- 08 11 13 HOLLOW METAL FRAMES**  
1. FRAMES  
a. Type: As indicated in the Door and Frame Schedule.  
c. Face: Metallic-coated steel sheet, minimum thickness of 0.053 inch.  
d. Construction: Knock-down frame.  
e. Edge Bevel: Provide manufacturer's standard beveled or square edges.  
g. Exposed Finish: Prime.
- 08 14 16 FLUSH WOOD DOORS**  
1. Quality Standard: AWI/AWMAC/WT's "Architectural Woodwork Standards"  
2. Lifetime Warranty  
3. Solid-Core Five-ply flush wood veneer-faced doors for painted finish  
a. Performance Grade: ANSI/WDMA I.S. 1A Extra Heavy Duty  
b. Faces: Hardboard or MDF  
c. Construction: Five plies, hot-pressed bonded with entire unit abrasive planed before veneering.
- 08 71 00 DOOR HARDWARE**  
1. Regulatory Requirements: Comply with provisions of the following:  
a. Where indicated to comply with accessibility requirements, comply with the Americans Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities" (ADAAG)  
b. NFPA 101: Comply with the following for means of egress doors:  
1. Latches, Locks, and Exit Devices: Not more than 150lb (67 N) to release the latch. Locks shall not require the use of a key, tool, or special knowledge for operation.  
2. Door Closers: not more than 30 lbf (133 N) to set door in motion and not more than 15 lbf (67 N) to open door to minimum required width.  
3. Hardware is matching to existing and keyed to master system.
2. Hardware Set #1 - Private Office
- | NO. | ITEM           | DESCRIPTION        | FINISH | MANUFACTURER |
|-----|----------------|--------------------|--------|--------------|
| 3   | HINGES         | TA2714 4-1/2X4-1/2 | 26D    | MC           |
| 1   | LOCKSET        | CRCN 8809FL GMK    | 630    | YA           |
| 1   | WALL BUMBER    | 409                | US32D  | RO           |
| 3   | DOOR SILENCERS | 608                | GREY   | RO           |
3. Hardware Set #2 - Wade Martin Door 303
- | NO. | ITEM             | DESCRIPTION        | FINISH | MANUFACTURER |
|-----|------------------|--------------------|--------|--------------|
| 3   | HINGES           | TA2714 4-1/2X4-1/2 | 26D    | MC           |
| 1   | LOCKSET          | CRCN 8809FL GMK    | 630    | YA           |
| 1   | CLOSER           | 4400 SN-134        | 689    | YA           |
| 1   | PROTECTION PLATE | K1050 8" x 34"     | US32D  | RO           |
| 1   | WALL BUMPER      | 409                | US32D  | RO           |
| 3   | DOOR SILENCERS   | 608                | GREY   | RO           |
4. Hardware Set #3 - Wade Martin Door 304
- | NO. | ITEM        | DESCRIPTION | FINISH | MANUFACTURER |
|-----|-------------|-------------|--------|--------------|
| 1   | WALL MAGNET | FM-998      | 689    | MC           |
| 1   | CLOSER      | 4400 SN-134 | 689    | YA           |

- 08 80 00 GLAZING**  
1. Laminated Glass  
a. Two plies of fully tempered float glass  
b. Minimum thickness of each glass ply: 6mm  
c. Interlayer Thickness: 0.060 inch (1.52 mm)  
d. Safety glazing required
- 09 22 16 NON STRUCTURAL METAL FRAMING**  
1. Metal Framing  
a. Manufacturer: USG or equal  
b. Size: As indicated on drawings  
c. Gauge: 20 and 25 Gauge
- 09 29 00 GYPSUM BOARD**  
2. Gypsum Board  
a. Manufacturer: USG or equal  
b. Type: Regular  
c. Size: 5/8"  
3. Gypsum Accessories  
a. Manufacturer: USG or equal  
b. Type: Joint Compound, Joint Tape, Corner Bead, J & L Mold (Trim)

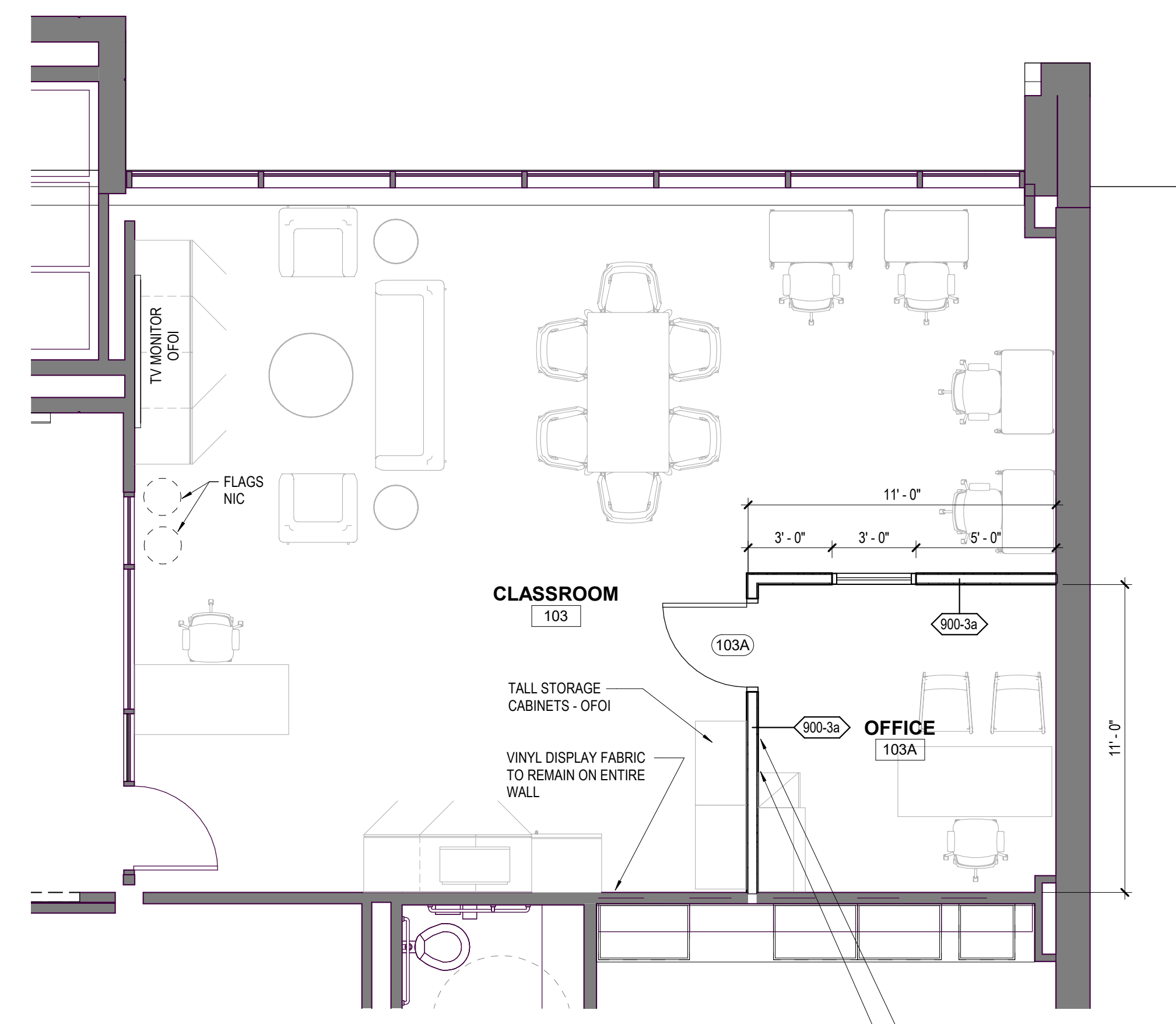
- 09 65 13 RESILIENT BASE AND ACCESSORIES**  
1. Schedule  
a. See finish material legend for base selection.  
b. Utilize adhesive recommended by the manufacturer for installation over painted Gypsum wall board.  
c. Job formed inside & outside corners with returns not less than 3 inches.  
d. Manufacturer's standard coil length.

- 09 91 24 PAINTS**  
1. Schedule  
a. See finish material legend for color selection.  
b. All Basis-of-Design products listed are Sherwin Williams: (Low VOC paints)  
New Gypsum Board  
Primer-ProMar 200 Zero-VOC Interior Latex Primer, B28W2600  
Topcoat-ProMar 200 HP Zero-VOC Interior Acrylic Low Gloss Eg-Shel, B41-1950 Series  
New HM Frames/ Doors  
Primer-Pro Industrial Pro-Cryl Universal Primer, B66-1300 Series  
Topcoat-Pro Industrial DTM Acrylic Semi-Gloss, B66-1150 Series

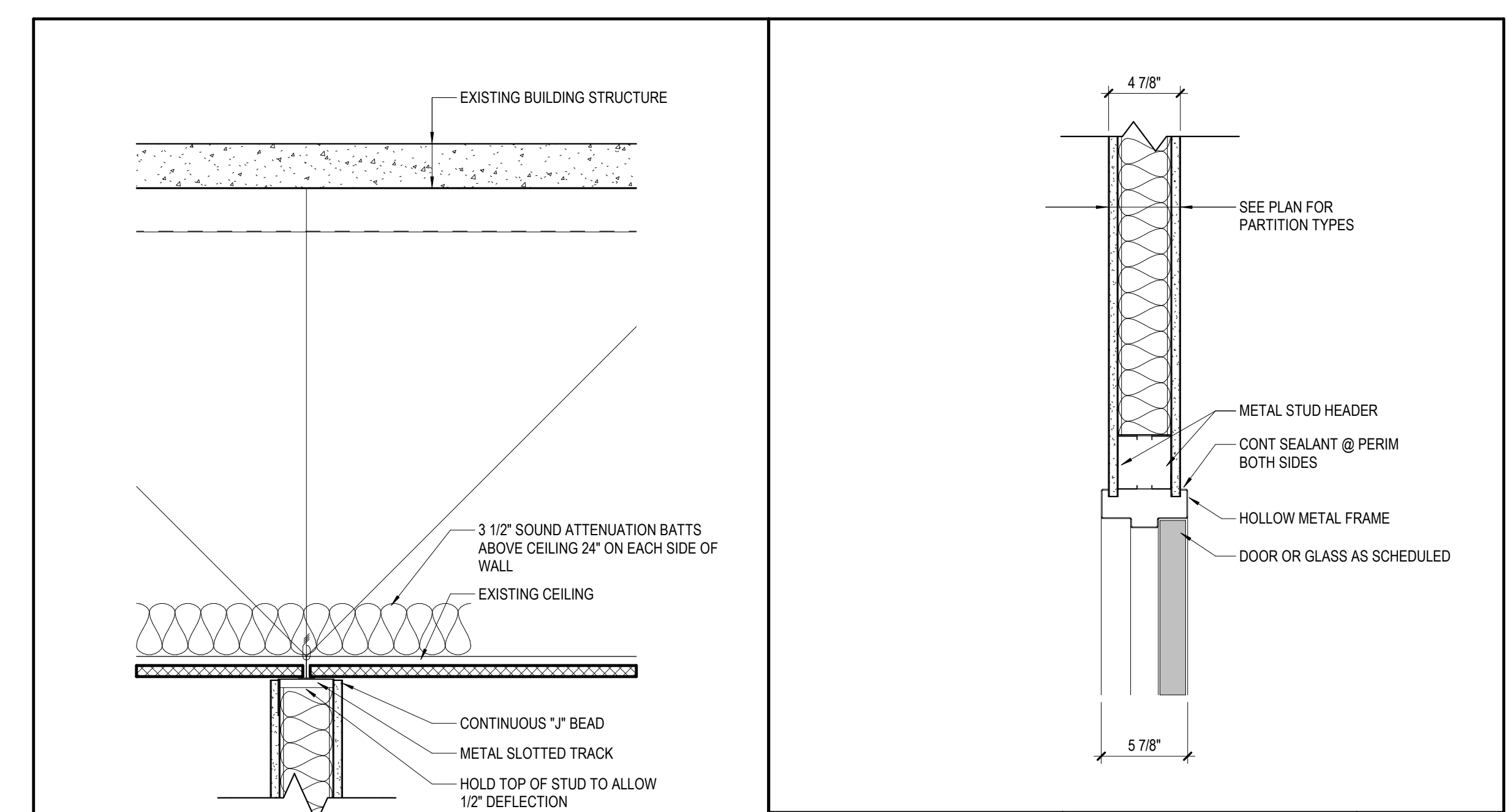
PARTITION TYPE KEY



2 CEILING PLAN  
SCALE: 1/4" = 1'-0"

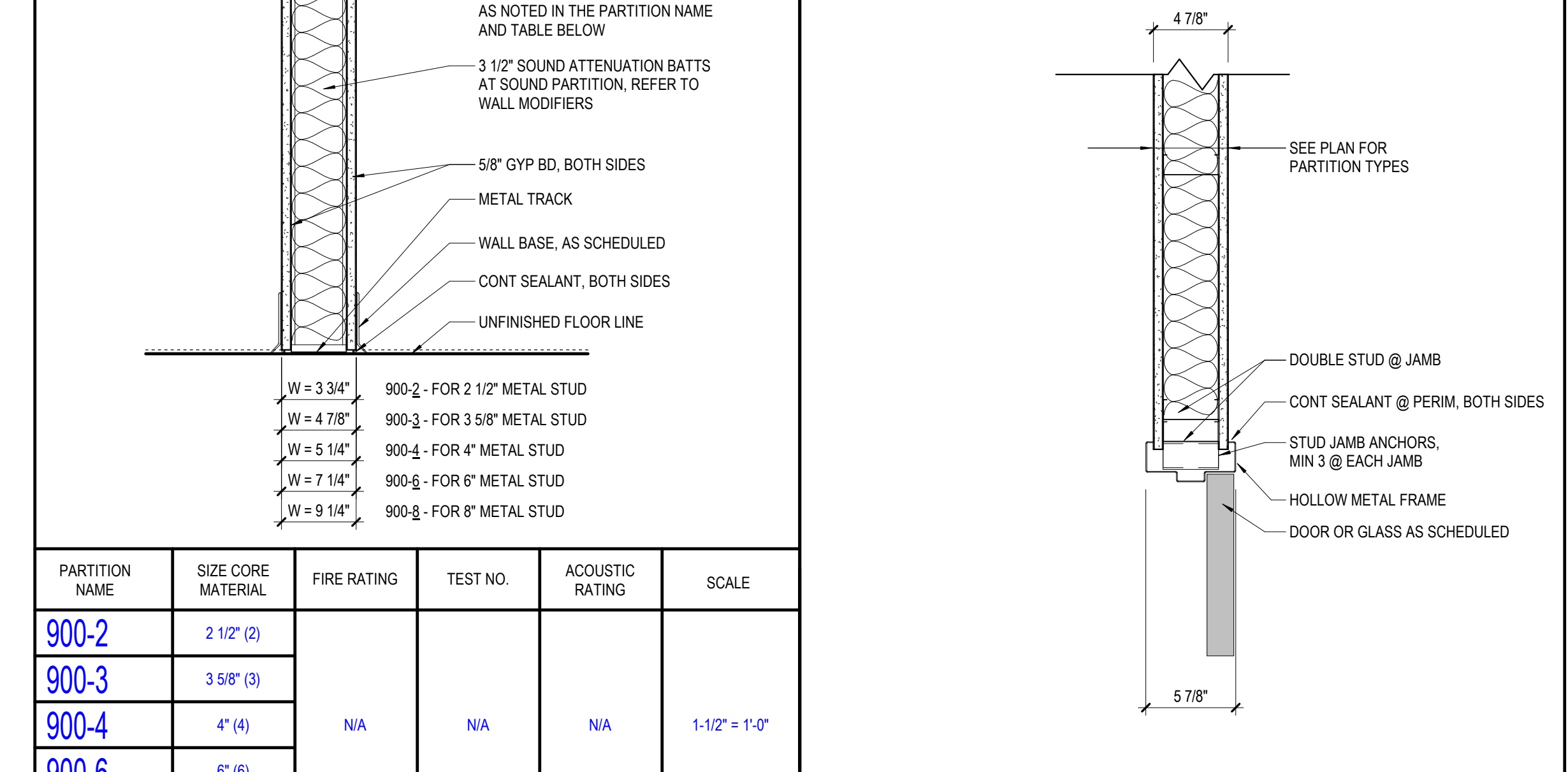


1 FLOOR PLAN  
SCALE: 1/4" = 1'-0"

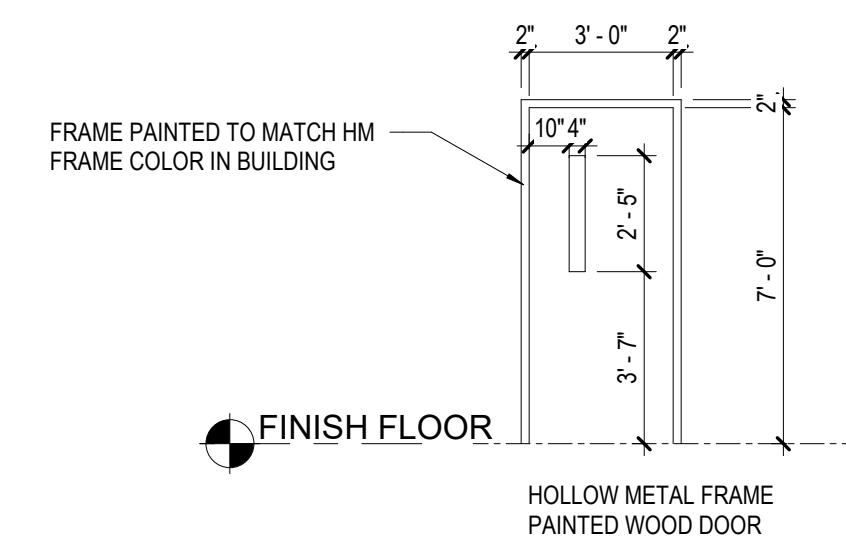


PARTITION NAME	SIZE CORE MATERIAL	FIRE RATING	TEST NO.	ACOUSTIC RATING	SCALE
900-2	2 1/2" (2)				1:1/2" = 1'-0"
900-3	3 3/8" (3)				
900-4	4" (4)	NA	NA	NA	
900-6	6" (6)				
900-8	8" (8)				

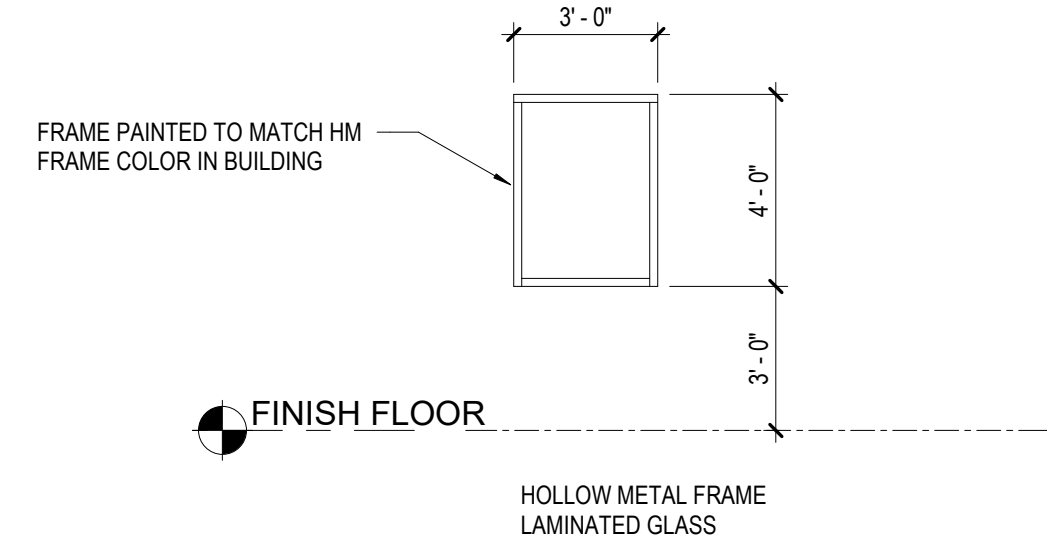
HD-901-3 HEAD DETAIL  
SCALE 1-1/2" = 1'-0"



JD-901-3 JAMB DETAIL  
SCALE 1-1/2" = 1'-0"



DOOR & FRAME TYPE

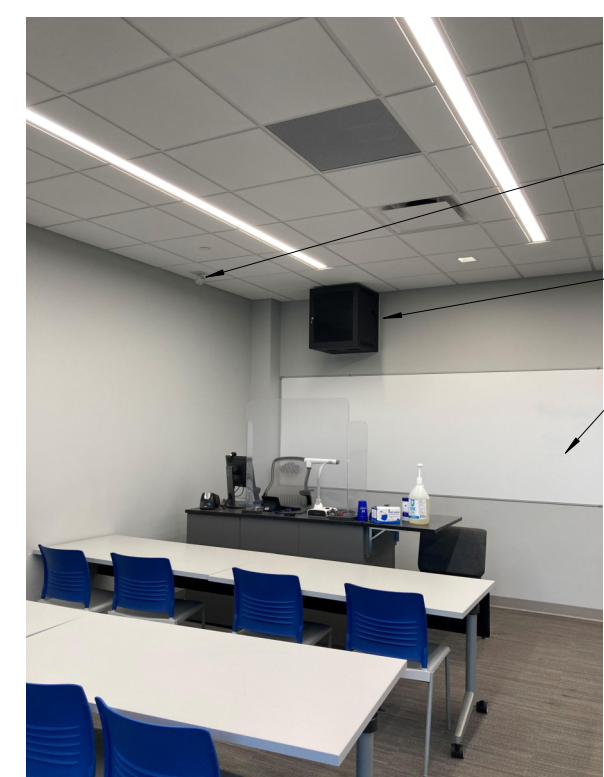


WINDOW & FRAME TYPE

INTERIOR FINISH MATERIALS

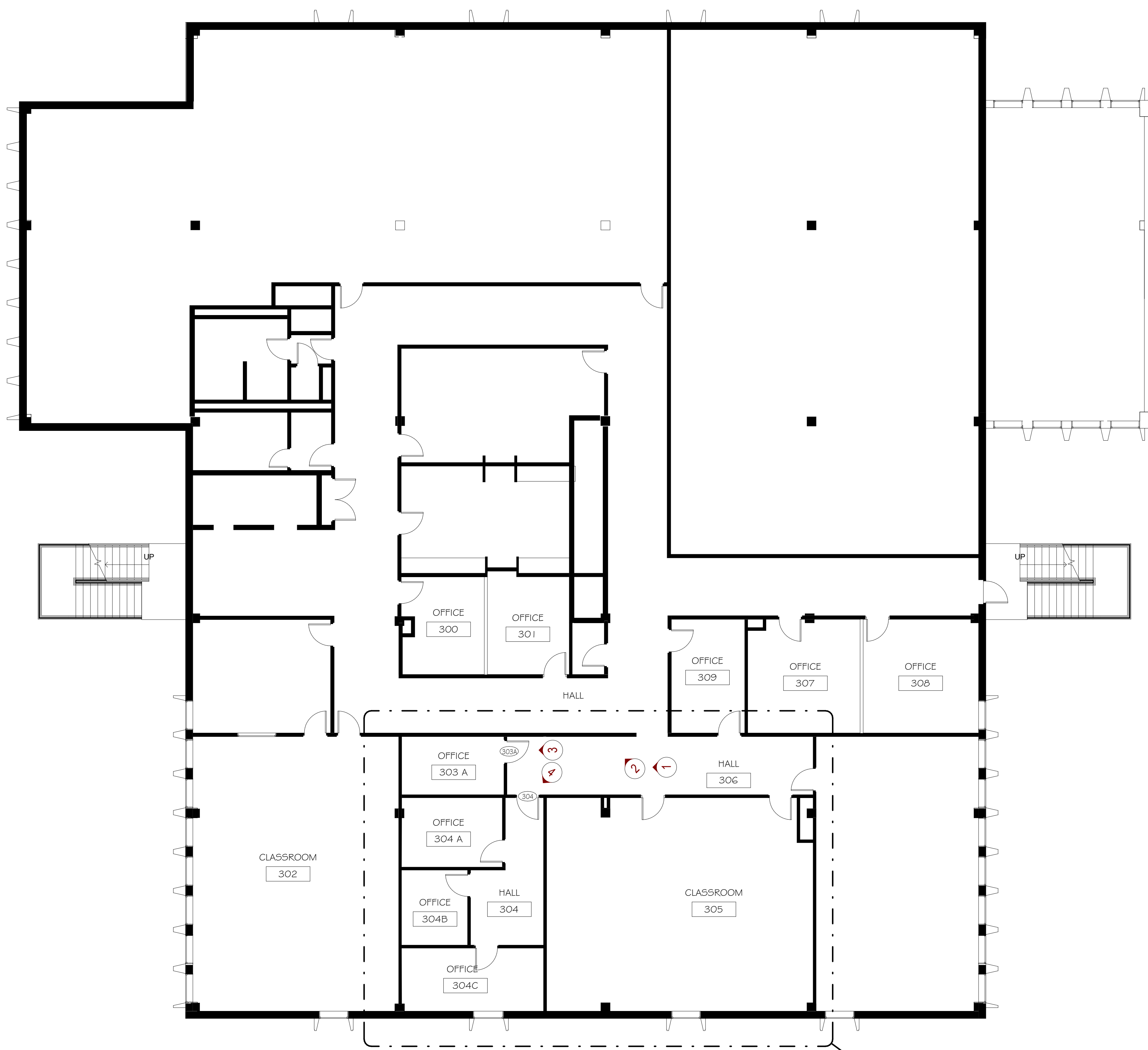
**RUBBER BASE (RB)**  
RB-1 MANUFACTURER: JOHNSONITE  
SERIES: TRADITIONAL WALL BASE  
STYLE: 4" COVE  
COLOR: 55 SILVER GREY

**PAINT (P)**  
P-1 MANUFACTURER: SHERWIN WILLIAMS  
COLOR: SW7054 PASSIVE GENERAL WALL COLOR

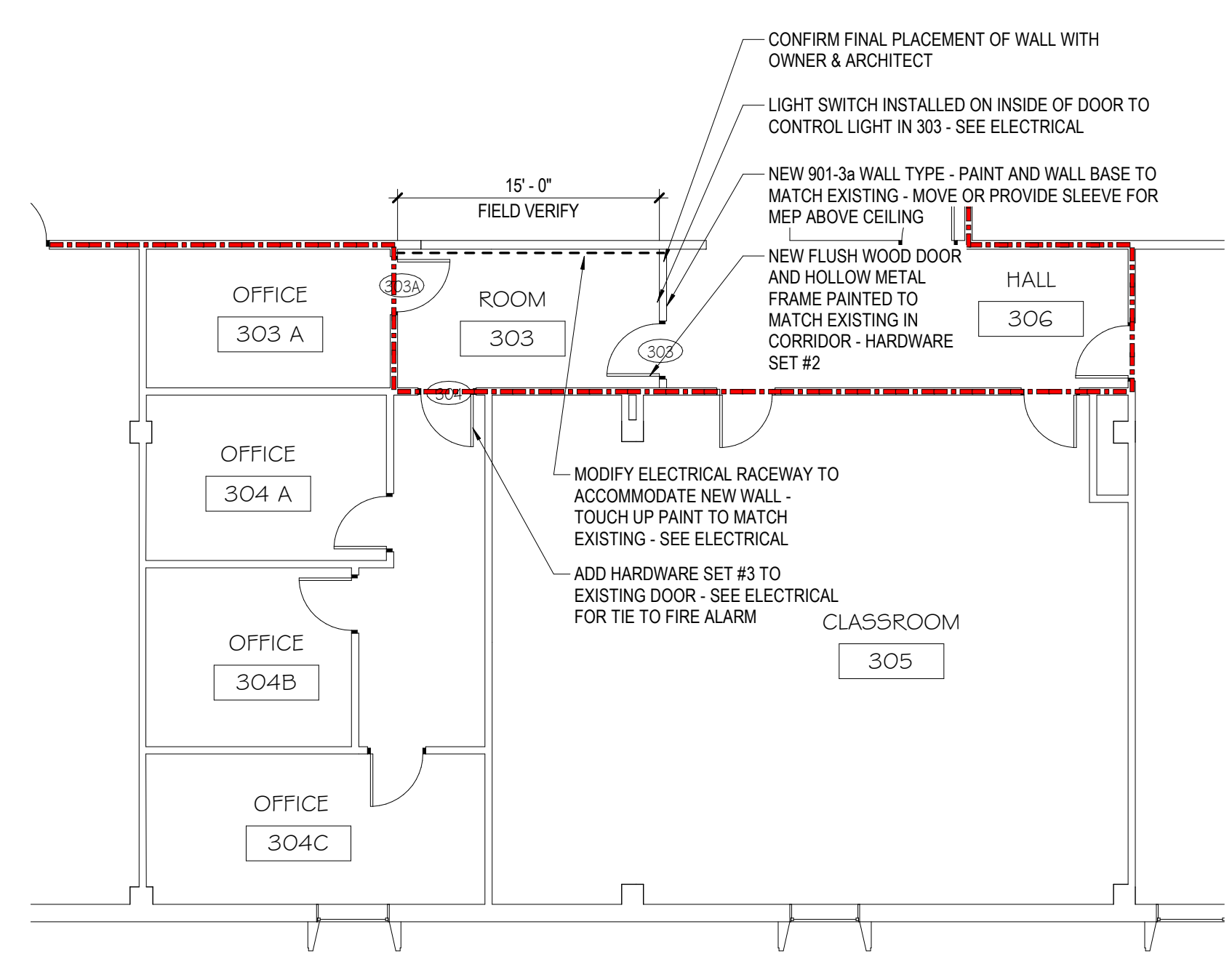


VIEW OF ROOM WHERE NEW OFFICE IS CONSTRUCTED

- RELOCATE OCCUPANCY SENSOR - SEE ELECTRICAL
- DATA BOX TO REMAIN
- VINYL DISPLAY FABRIC TO REMAIN



**EXISTING THIRD FLOOR PLAN**  
 TRUE NORTH PROJECT NORTH  
 1 A-201 SCALE: 1/8" = 1'-0"



**HALL 306 RENOVATION**  
 TRUE NORTH PROJECT NORTH  
 2 A-201 SCALE: 1/8" = 1'-0"



1. EXISTING HALLWAY 304



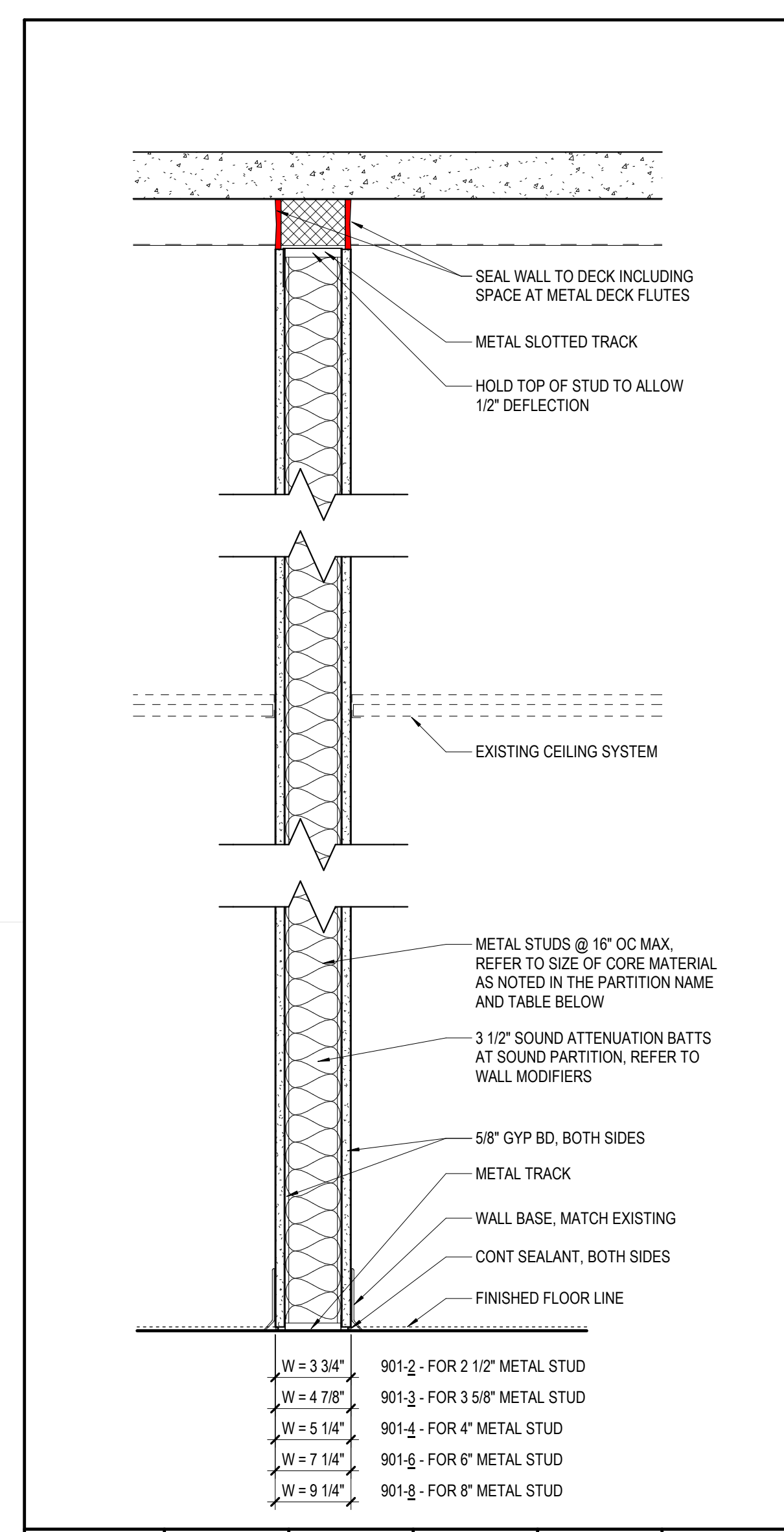
2. EXISTING ELECTRICAL RACEWAY IN HALLWAY 304



3. EXISTING DOOR 303



4. EXISTING DOOR 304



**PARTITION TYPE KEY**

**PARTITION TYPE REFERENCE**

CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION) → XXX-XXX  
 FIRE RATING / SPECIALTY NUMBERING SEQUENCE →  
 NOMINAL SIZE OF CORE MATERIAL →  
 WALL MODIFIERS →

**PARTITION TYPE CODING / LEGEND**

CORE / STRUCTURAL MATERIAL (SPECIFICATION SECTION)	NUMBERING SEQUENCE	WALL MODIFIERS
3 CONCRETE	2 2 1/2" METAL STUD	a ACOUSTIC BATTS
4 MASONRY (CMU)	3 3 5/8" METAL STUD	c CEMENT BOARD
5 STRUCTURAL METAL STUDS	4 4" METAL STUD / CMU	m MOISTURE RESISTANT GWB
6 WOOD STUDS	6 6" METAL STUD / CMU / CONCRETE	r RESILIENT CHANNELS
9 METAL STUDS (NON-STRUCTURAL)	8 8" METAL STUD / CMU / CONCRETE	
	12 12" METAL STUD / CMU / CONCRETE	

**FIRE RATING / SPECIALTY**

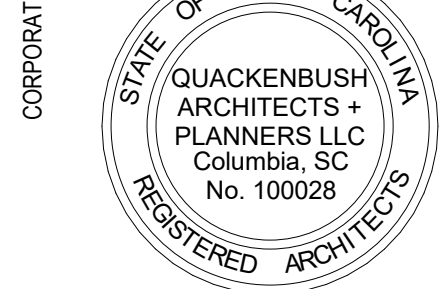
0 NOT RATED
5 1/2 HOUR RATED
1 1 HOUR RATED
2 2 HOUR RATED
3 3 HOUR RATED
S SMOKE PARTITION
A ACOUSTIC / SOUND RATED PARTITION

PARTITION NAME	SIZE CORE MATERIAL	FIRE RATING	TEST NO.	ACOUSTIC RATING	SCALE
901-2	2 1/2" (2)				
901-3	3 5/8" (3)				
901-4	4" (4)	N/A	N/A	49	1-1/2" = 1'-0"
901-6	6" (6)				
901-8	8" (8)				

AVE SEAL



CORPORATE SEAL



PROJECT TITLE

**MTC - VETERANS SUCCESS CENTER RELOCATION**  
**MIDLANDS TECHNICAL COLLEGE**  
 316 S BELLEVUE BOULEVARD, LEARNING RESOURCE CENTER RM 103, COLUMBIA, SC

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PHASE: CONSTRUCTION DOCUMENTS  
 ISSUE DATE: 3.17.2023  
 PROJECT NO.: 22.305.01

REVISION: DATE

TITLE: WADE MARTIN - HALL 306 RENOVATION

SHEET NO: **A-201**

**QUACKENBUSH ARCHITECTS + PLANNERS**  
 1217 HAMPTON | COLUMBIA, SC | 803.771.2999 | quackenbusharchitects.com

3/20/2023 8:07:46 AM  
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AIR DISTRIBUTION SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	PERFORATED RETURN	PRICE	APDDR	LAY-IN	0-1,000	22"x22"	24"x24"	30	1, 2

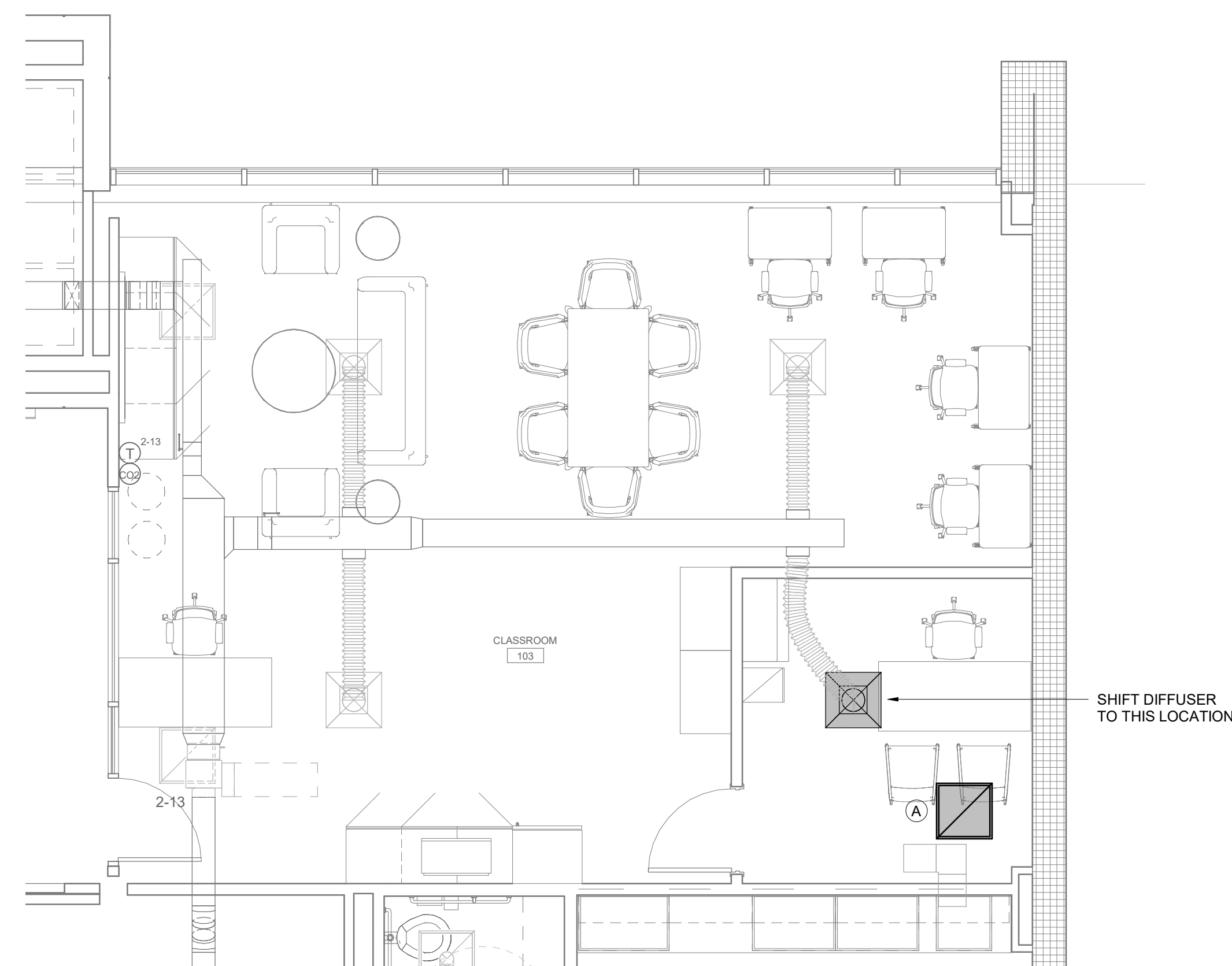
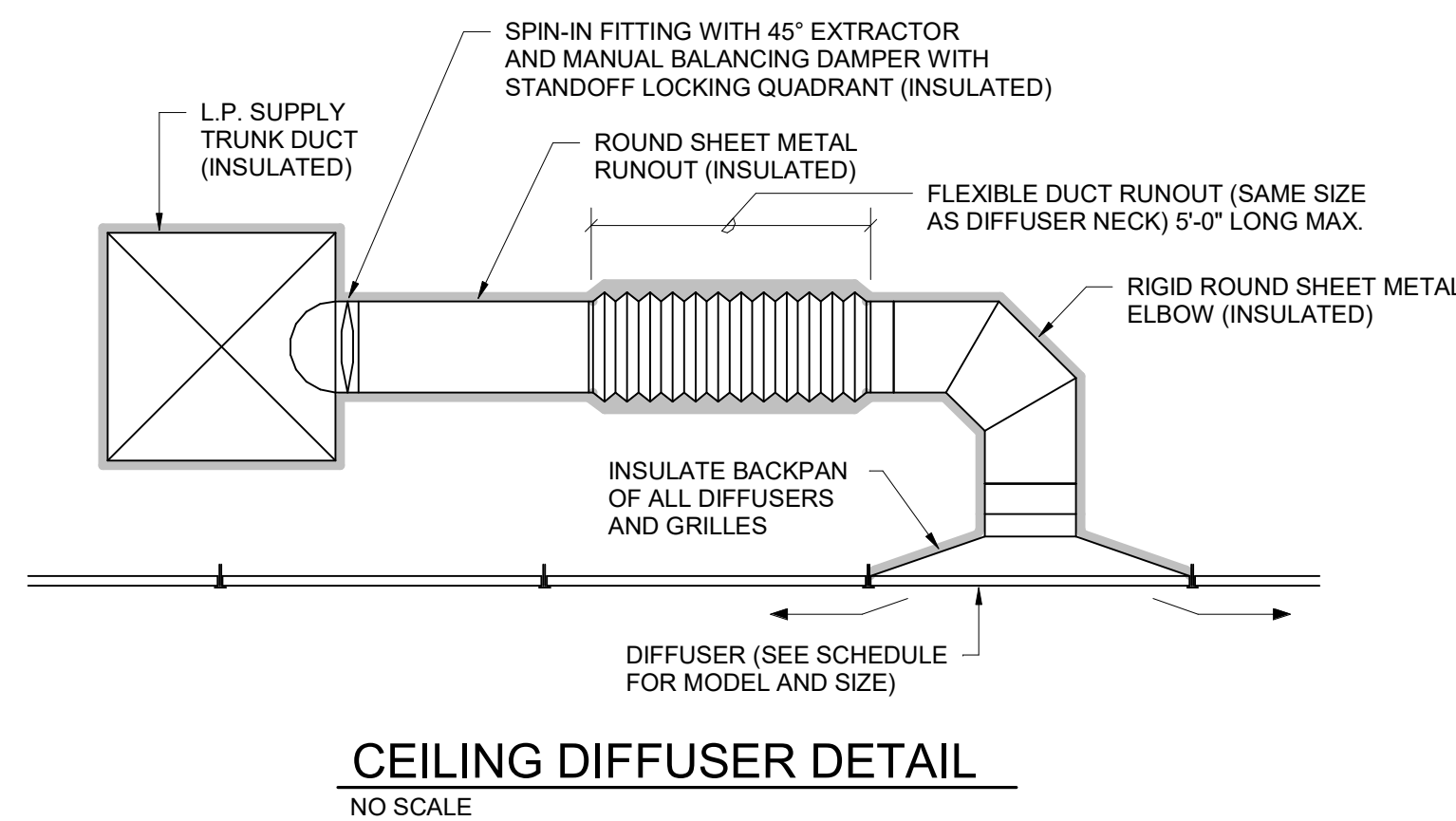
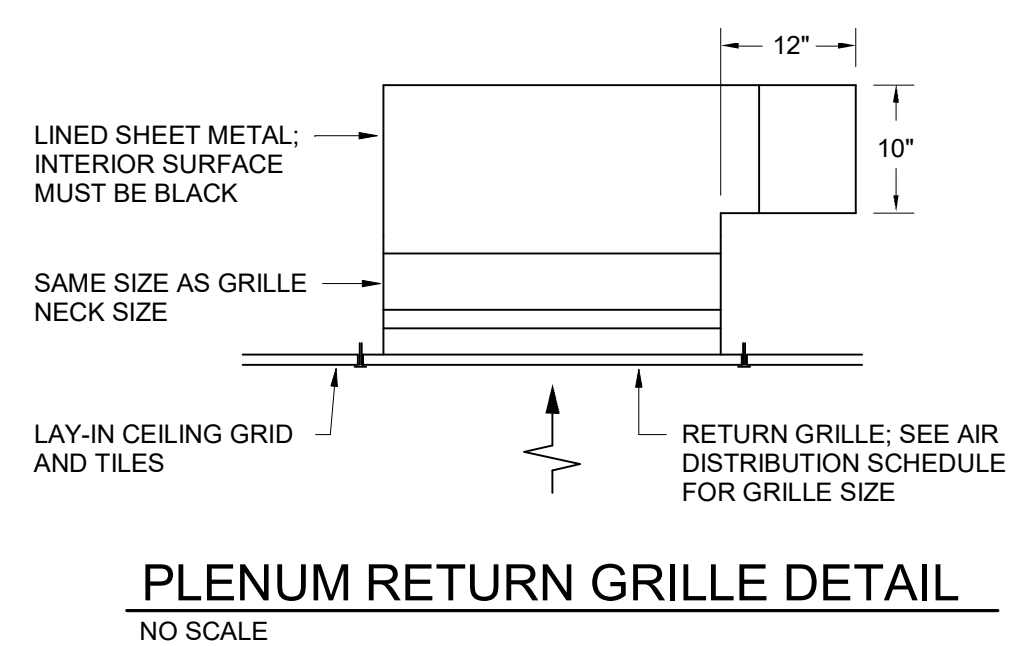
- PROVIDE WITH STANDARD WHITE FINISH.
- PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.

- ### GENERAL NOTES
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE, 2009 INTERNATIONAL ENERGY CONSERVATION CODE, AND 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARD. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
  - VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
  - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC.
  - DO NOT SCALE DRAWINGS. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
  - ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
  - SPACE ABOVE CEILING TO BE USED AS RETURN AIR PLENUM WHERE DUCT IS NOT INDICATED ABOVE RETURN AIR GRILLES.
  - REMOVAL AND REPLACEMENT OF CEILING, AS REQUIRED FOR INSTALLATION OF NEW WORK, SHALL BE DONE BY GENERAL CONTRACTOR.
  - ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.

- ### SPECIFICATIONS
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE, 2009 INTERNATIONAL ENERGY CONSERVATION CODE, AND 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARD. ALL LOCAL CODES OR REQUIREMENTS STILL APPLY.
  - ROUND DUCTS SHALL BE GALVANIZED SHEET METAL SEALED WITH LOW PRESSURE DUCT MASTIC. LOCKING QUADRANT BALANCING DAMPERS SHALL BE INSTALLED IN EACH BRANCH TAKEOFF AT THE MAIN TRUNK DUCT. FLEXIBLE DUCT SHALL NOT EXCEED 5' IN LENGTH AND SHALL BE EQUAL TO FLEXMASTER TYPE 1M.
  - SUPPLY DUCTS SHALL BE INSULATED WITH 2" THICK, 3/4" DENSITY DUCT WRAP. DUCT WRAP SHALL BE SEALED WITH FIBERGLASS REINFORCING MESH, STAPLES AND MASTIC AT THE JOINTS.
  - ALL WORK SHALL BE GUARANTEED TO BE FREE OF DEFECTS IN MANUFACTURE AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. ALL REPAIRS WILL BE MADE AT NO COST TO THE OWNER.

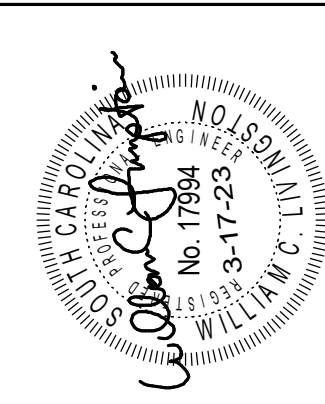
### LEGEND

SYMBOL	DESCRIPTION
Ⓢ	THERMOSTAT
Ⓜ	RECTANGULAR SUPPLY DUCTWORK
Ⓜ	RETURN AND FRESH AIR DUCTWORK



**1 FLOOR PLAN**  
M-101 1/4" = 1'-0"

AVE SEAL



CORPORATE SEAL



PROJECT TITLE

**MTC - VETERANS SUCCESS CENTER RELOCATION**  
MIDLANDS TECHNICAL COLLEGE  
316 S BELTLINE BOULEVARD, LEARNING RESOURCE CENTER RM 103, COLUMBIA, SC

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PHASE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 3.17.23  
PROJECT NO.: 22.305.01  
STATE PROJECT NO.: H59-N187-CL

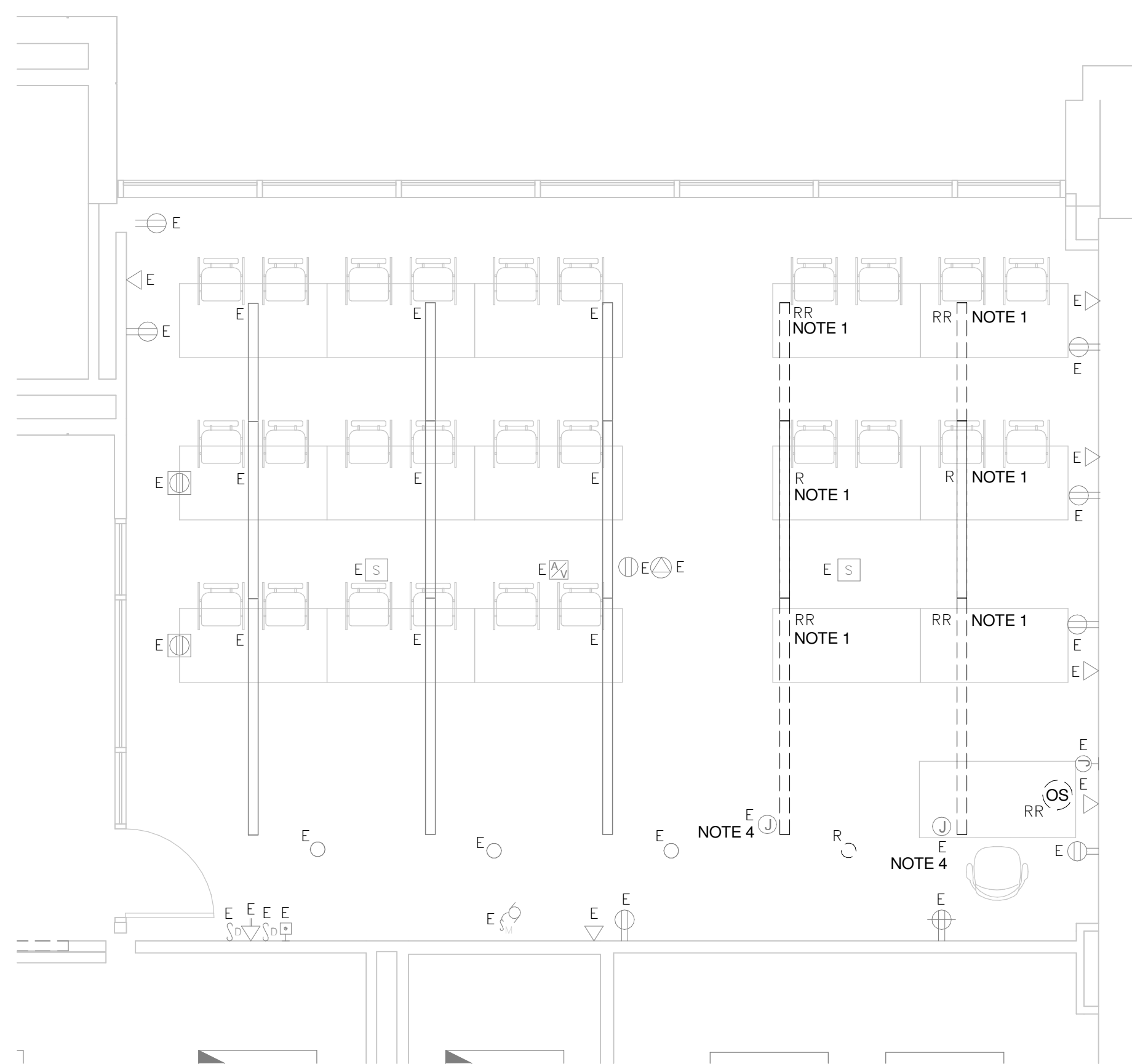
REVISION: DATE

TITLE: FLOOR PLAN, DETAILS, NOTES, SCHEDULE, AND LEGEND

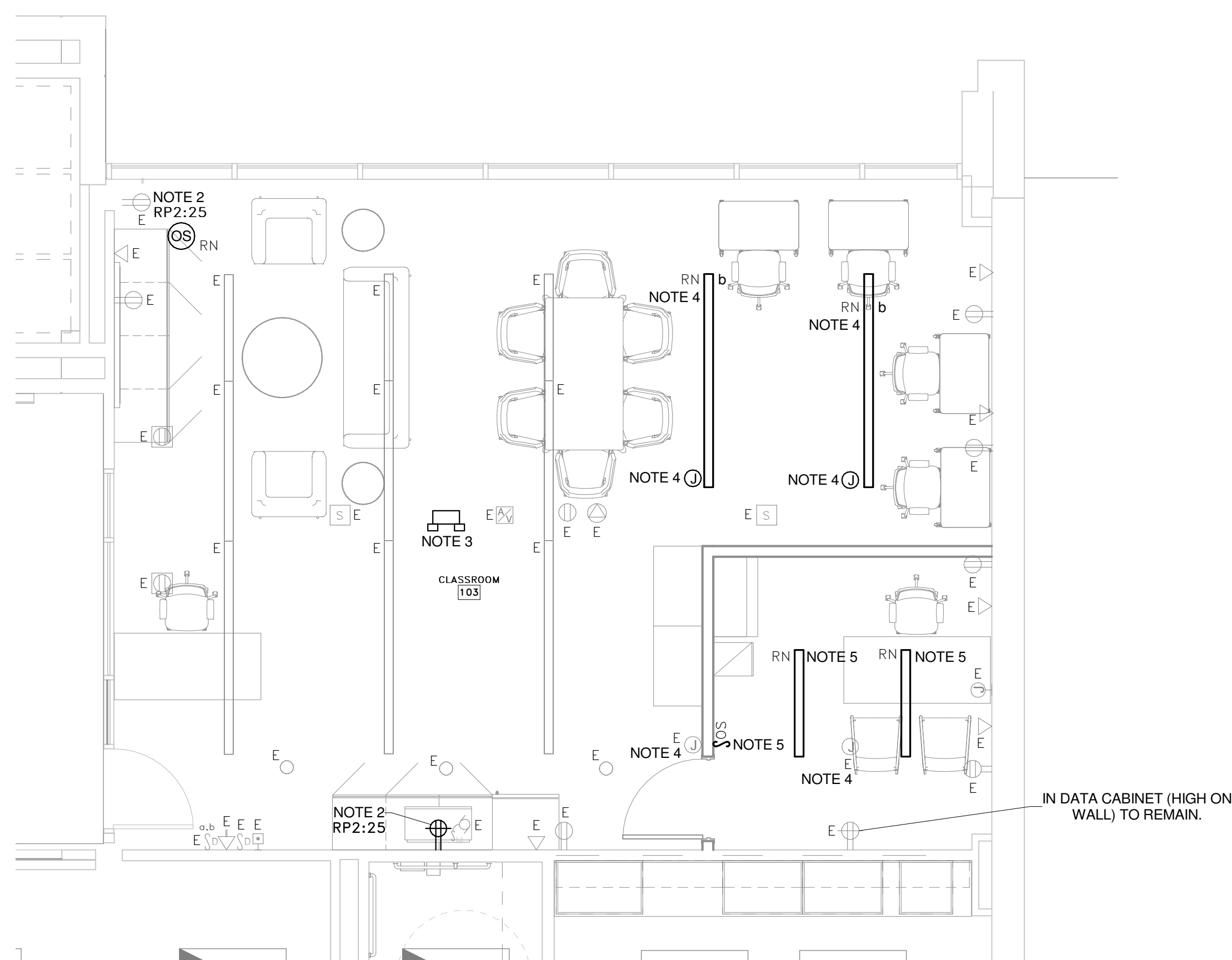
**Swygert & Associates**  
CONSULTING ENGINEERS  
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-0300  
Post Office Box 11686 Fax: (803) 791-0830  
Columbia, S.C. 29211 mail@swygert-associates.com

SHEET NO. **M-101**

QUACKENBUSH ARCHITECTS + PLANNERS  
1217 HAMPTON | COLUMBIA, SC | 803.771.2999 | quackenbusharchitects.com

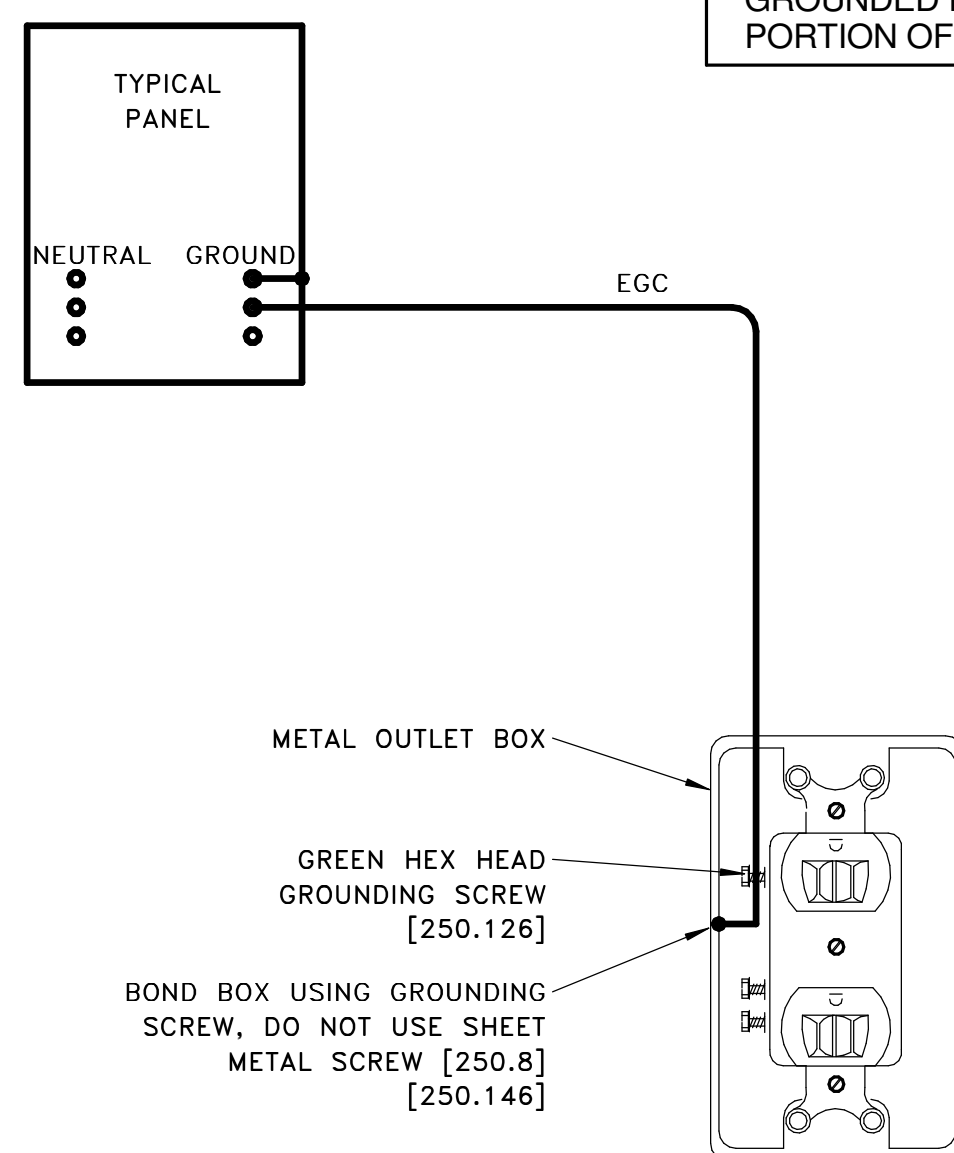


**1 PARTIAL SECOND FLOOR ELECTRICAL DEMOLITION PLAN**  
E-101 SCALE: 1/4" = 1'-0"



**2 PARTIAL SECOND FLOOR ELECTRICAL RENOVATION PLAN**  
E-101 SCALE: 1/4" = 1'-0"

DIAGRAM PROVIDES OVERALL VIEW OF BUILDING GROUNDING SYSTEM. EQUIPMENT SHALL BE GROUNDED BASED ON ITS PORTION OF THIS DIAGRAM.



**4 ELECTRICAL GROUNDING DETAIL**  
E-101 NOT TO SCALE

**GROUNDING NOTES:**

- NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.
- ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED [250.68].
- PROVIDE A GROUND WIRE IN ALL CONDUITS.
- NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: ALUMINUM BUILDING STRUCTURAL MATERIALS SHALL BE BONDED WITH LISTED ALUMINUM EQUIPMENT WITH ALUMINUM TO COPPER CONNECTORS FOR ROUTING COPPER EGC'S.
- PROVIDE GROUNDING BUSHING ON BOTH ENDS OF ALL SERVICE ENTRANCE RACEWAYS, SIZE AS A GEC [250.80]. THIS INCLUDES RIGID STEEL ELBOWS ON PVC CONDUIT.
- ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97]. STANDARD LOCKNUTS ARE NOT ACCEPTABLE.
- PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148] OR WHERE A DEVICE IS INSTALLED. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].

**ELECTRICAL NOTES**

- EXISTING CONTINUOUS LINEAR LIGHT FIXTURE SHALL BE SEPARATED INTO THREE INDEPENDENT LIGHT FIXTURES. EXISTING FIXTURES ARE FINNACLE EDGE SERIES EV3A AND ARE MADE UP OF A 4' SECTION, A 6' SECTION AND AN 8' SECTION. CALL RICK CLAMP AT SESCO LIGHTING (803-904-9116) TO ORDER END CAPS FOR FIXTURES (TOTAL QUANTITY NEEDED IS 8). PROVIDE FIXTURES IN PLAN AS SHOWN. EXTRA SECTIONS SHALL BE TURNED OVER TO OWNER FOR ATTIC STOCK OR FUTURE USE. PROTECT ALL PARTS AND PIECES INCLUDING, BUT NOT LIMITED TO LENSES, DRIVERS, LED BOARDS AND HOUSINGS.
- EXTEND EXISTING BRANCH CIRCUIT TO NEW RECEPTACLE FOR MICROWAVE AS SHOWN ON RENOVATION PLAN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED TO EXTEND CIRCUIT.
- PROVIDE "XTRALIGHT EMX0030" EMERGENCY LIGHT FIXTURE OR APPROVED EQUAL. CONNECT TO EXISTING LOCAL BRANCH CIRCUIT AHEAD OF ALL SWITCHING. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED TO EXTEND LOCAL LIGHTING BRANCH CIRCUIT.
- EXISTING LOCAL LIGHTING BRANCH CIRCUIT CONNECTIONS TO LIGHT FIXTURES ARE ON PLAN SOUTH SIDE OF ROOM. EXTEND BRANCH CIRCUIT / SWITCHLEGS TO INDIVIDUAL FIXTURES. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED TO EXTEND EXISTING LOCAL LIGHTING BRANCH CIRCUIT.
- EXTEND EXISTING LOCAL LIGHTING BRANCH CIRCUIT PRIOR TO EXISTING SWITCHLEGS TO OFFICE FIXTURES SUCH THAT FIXTURES ARE CONTROLLED INDEPENDENTLY FROM CLASSROOM CONTROLS. PROVIDE CONDUITS AND CONDUCTORS AS REQUIRED TO EXTEND EXISTING LOCAL LIGHTING BRANCH CIRCUIT.

ELECTRICAL SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE (WALL MOUNTED @ 18" AFF)		FIRE ALARM AUDIBLE/VISUAL DEVICE (WALL MOUNTED @ 7'-6" AFF)
	DUPLEX RECEPTACLE (@ 6" ABOVE COUNTER)		FIRE ALARM AUDIBLE/VISUAL DEVICE (CEILING MOUNTED)
	QUAD RECEPTACLE (WALL MOUNTED @ 18" AFF)		JUNCTION BOX (CEILING MOUNTED)
	DUPLEX RECEPTACLE (CEILING MOUNTED)		JUNCTION BOX (WALL MOUNTED)
	DUPLEX RECEPTACLE (FLOOR MOUNTED)		LIGHT SWITCH, SINGLE POLE DIMMER TYPE WITH OCCUPANCY SENSOR. (WALL MOUNTED @ 48" AFF TO TOP OF DEVICE)
	MOTOR CONNECTION (AS NOTED)		LIGHT SWITCH, DIMMER TYPE
	PHONE OR DATA J-BOX (WALL MOUNTED @ 18" AFF) SEE COMMUNICATIONS RISER FOR ADDITIONAL INFO		MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE
	PHONE OR DATA J-BOX (MTD ABOVE COUNTER) SEE COMMUNICATIONS RISER FOR ADDITIONAL INFO		LOWER CASE SUBSCRIPT INDICATES SWITCH-LEG
	PHONE OR DATA J-BOX (CEILING MOUNTED) SEE COMMUNICATIONS RISER FOR ADDITIONAL INFO		PROJECTION SCREEN CONTROLS

**GENERAL "ELECTRICAL" NOTES**

- BRANCH CIRCUIT WIRING SHALL BE THHN/THWN-2 CONDUCTORS IN EMT UNLESS NOTED OTHERWISE. MINIMUM WIRE SIZE SHALL BE NO. 12 AWG. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES, IN OUTLET BOXES, IS NOT REQUIRED TO BE LARGER THAN NO. 12 AWG.
- 20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE OR FIXTURE SHALL USE NO. 10 CONDUCTORS AND 3/4" O.D.
- PRIOR TO ROUGH-IN, COORDINATE THE LOCATION AND MOUNTING HEIGHT OF ALL WALL AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL ELEVATIONS, MILLWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IN THE EVENT OF A CONFLICT, NOTIFY THE ARCHITECT. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
- FEEDER CONDUITS, BRANCH CIRCUITS AND CABLE TRAY ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION.
- THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING:
  - A COMMON NEUTRAL SHALL NOT BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS UNLESS DIRECTION IS PROVIDED BY THE ENGINEER IN WRITING FOR A SPECIFIC APPLICATION.
  - MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS, 1 GROUND) RATED FOR 30-AMPS OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DERATING CONDUCTORS PER NEC ARTICLE 310.15.
  - BRANCH CIRCUIT, FEEDER & COMMUNICATION CIRCUITS SHALL BE ROUTED OVERHEAD UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND ENGINEER.
  - A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.
  - THE USE OF MC CABLE SHALL BE USED FOR WHIPS TO LIGHT FIXTURES ONLY AND NOT EXCEED 6' IN LENGTH.
  - SEAL ALL EXISTING AND NEW FIRE RATED WALL AND FLOOR PENETRATIONS IN THE CONSTRUCTION AREA.
  - SEE THE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF FIRE RATED WALLS.
  - WHEREVER ON THE ELECTRICAL DRAWINGS THE WORD "PROVIDE" IS USED, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL".

**GENERAL "DEMOLITION" NOTES**

- ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIALS UNTIL RELEASED BY OWNER'S PROJECT MANAGER. MATERIALS THAT OWNER'S PROJECT MANAGER CHOOSES TO RETAIN SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE PROJECT MANAGER. ALL OTHER MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- REMOVE ALL EXPOSED ABANDONED COMMUNICATION CABLE FOUND DURING THE CONSTRUCTION PROCESS. SUPPORT ALL EXISTING REMAINING CABLE PER THE NEC.
- ELECTRICAL DEVICES NOT SHOWN ON WALLS TO BE DEMOLISHED SHALL BE DEMOLISHED AT NO ADDITIONAL COST TO OWNER.
- ELECTRICAL DEVICES NOT SHOWN ON CEILINGS OR WALLS TO REMAIN SHALL REMAIN IN PLACE. PROTECT FROM DAMAGE DURING CONSTRUCTION
- ELECTRICAL DEVICES NOT SHOWN ON CEILINGS TO BE REMOVED SHALL BE TEMPORARILY DISCONNECTED AND REMOVED DURING DEMOLITION AND RE-INSTALLED ON NEW CEILING IN SAME LOCATION.

**GENERAL EXISTING CONDITION NOTES**

- IN AREAS WHERE THE EXISTING CEILINGS ARE NOT SLATED TO BE REMOVED, THE CONTRACTOR SHALL WORK THRU THE EXISTING CEILINGS (SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR AREA OF WORK). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED TILE OR GRID THAT IS A RESULT OF THEIR WORK.
- SUPPORT ALL EXISTING CONDUITS AND JUNCTION BOXES ABOVE THE CEILING PER NEC IN THE CONSTRUCTION AREA.
- REMOVE ALL ABANDONED CONDUIT, WIRE, AND COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
- PROVIDE JUNCTION BOX COVER PLATES ON ALL EXISTING JUNCTION BOXES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
- SUPPORT ALL EXISTING COMMUNICATION CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA
- WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER

**DEMOLITION/RENOVATION NOTATION**

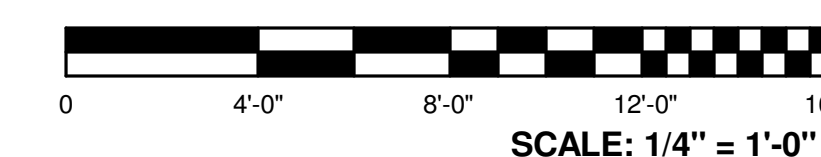
- IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES.
- DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
- E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE.
- R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
- RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
- RN RELOCATED FIXTURE (NEW LOCATION).
- RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.

**GENERAL "LIGHTING" NOTES**

- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES.
- ALL EXIT SIGNS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
- REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, ALL EXIT SIGNS SHALL BE PROVIDED WITH A BATTER PACK, SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT AND WIRED AHEAD OF LOCAL SWITCH AND SHALL NOT BE SWITCHED.
- FLEXIBLE CONDUIT IS REQUIRED FOR ATTACHMENT OF ALL LIGHTING FIXTURES. DIRECT CONNECTION WITH A HARD-PIPED SOLUTION IS NOT ALLOWED.

**GENERAL "POWER" NOTES**

- WHEN A RECEPTACLE IS INDICATED TO BE MOUNTED ADJACENT TO A COMPUTER/TELEPHONE/ TELEVISION OUTLET, THE DEVICES SHALL BE MOUNTED WITHIN 6" CENTER-TO-CENTER.
- PROVIDE LABEL ON INSIDE FACE OF COVER PLATE OF ALL RECEPTACLES, SWITCHES & WALL MOUNTED DEVICES INDICATING PANEL AND BRANCH CIRCUIT TO WHICH EACH DEVICE IS CONNECTED.



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

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 VETERANS SUCCESS CENTER ELECTRICAL PLANS  
 SHEET NO. **E-101**

**ELECTRICAL DEMOLITION NOTES**

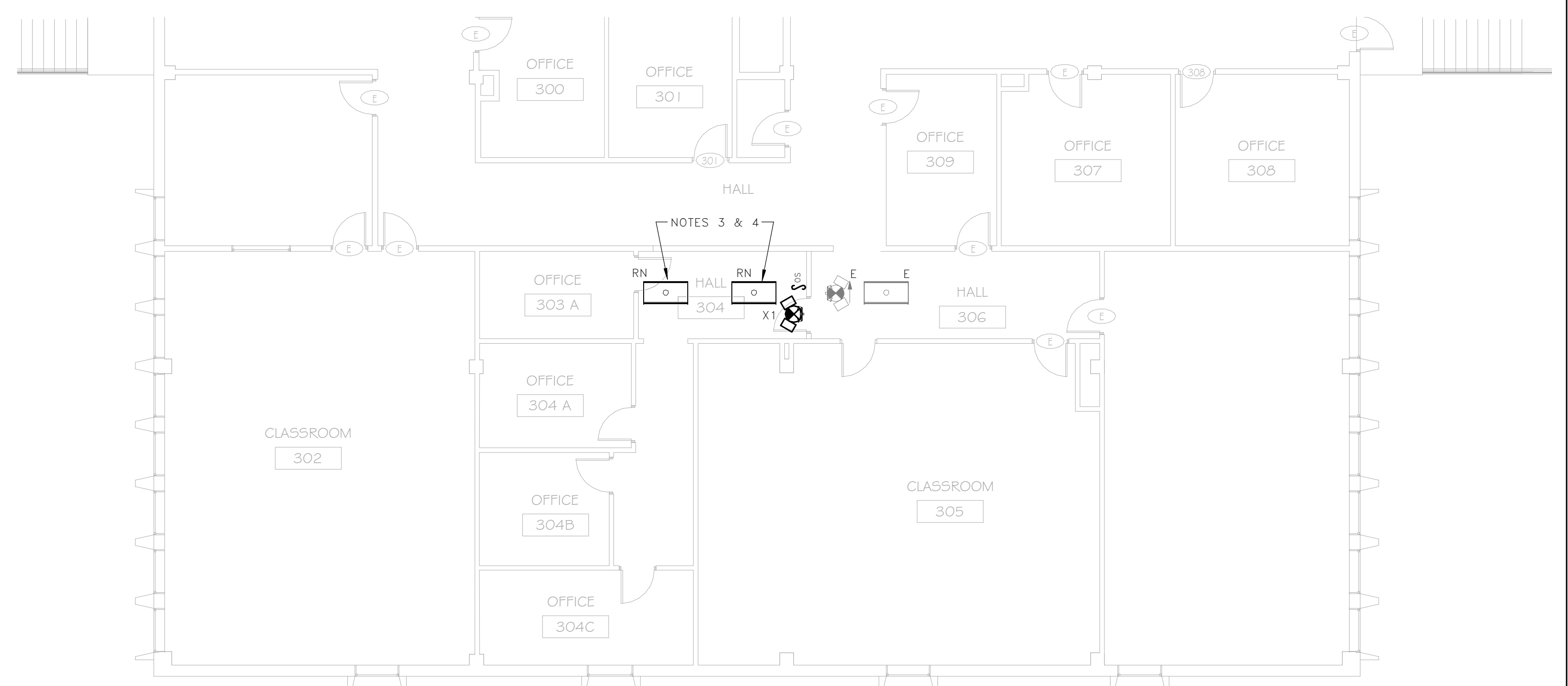
- REMOVE EXISTING BRANCH CIRCUIT CONDUCTORS AND REMOVE PORTION OF SURFACE RACEWAY THAT CONFLICTS WITH NEW WALL AND RE-USE EXISTING END CAP ON CUT PORTION OF RACEWAY. EXISTING RECESSED JUNCTION BOX AND RACEWAYS IN WALL SHALL BE ABANDONED IN PLACE.
- NO WORK IN THIS SPACE SHALL BE DONE.

**ELECTRICAL RENOVATION NOTES**

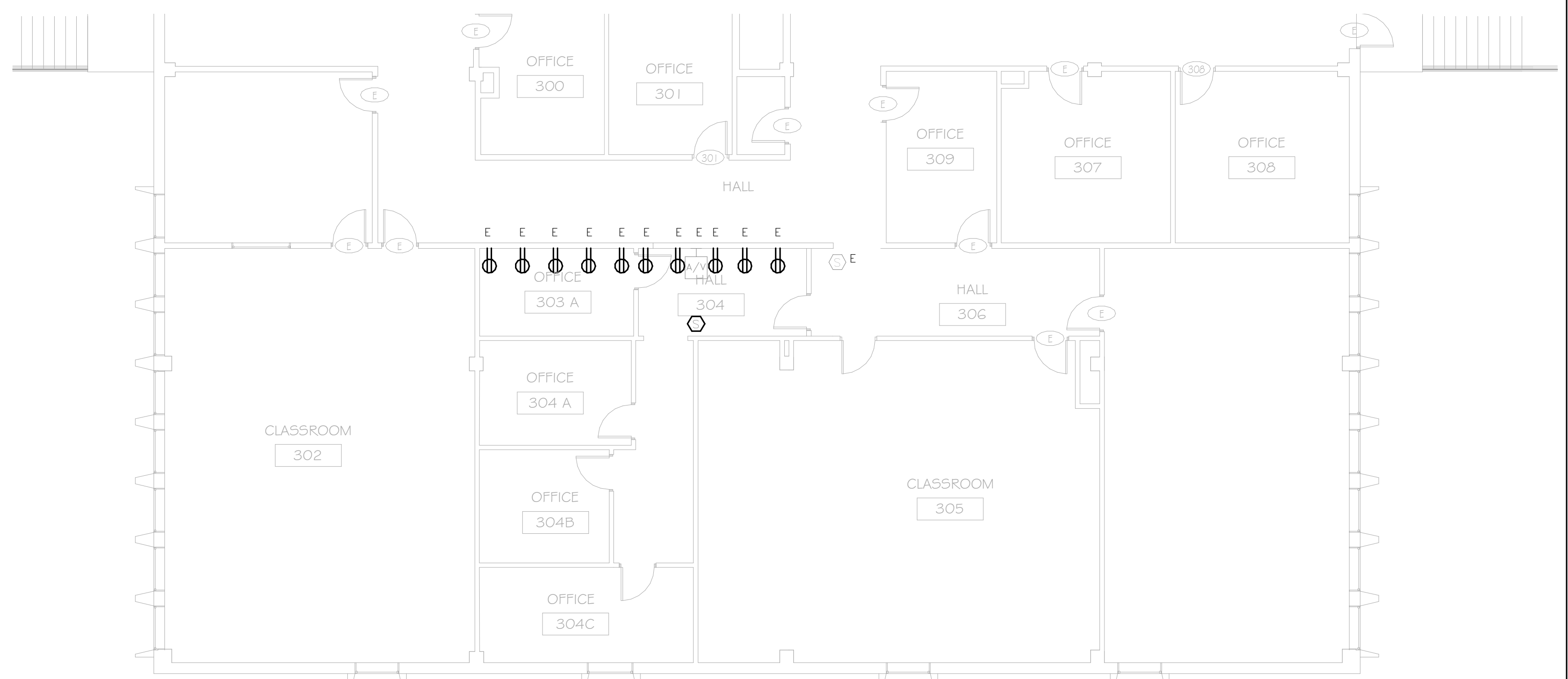
- EXTEND BRANCH CIRCUITS TO EXIT SIGNS ADDED DURING RENOVATION.
- EXTEND EXISTING BRANCH CIRCUITS FOR SURFACE RACEWAY FROM PANEL CONCEALED ABOVE EXISTING CEILINGS TO EXISTING SURFACE RACEWAY. EXTEND EMT EXPOSED DOWN EXISTING WALL INTO TOP OF RACEWAY AND RE-CONNECT EXISTING CONDUCTORS IN RACEWAY. PAINT EXPOSED CONDUIT TO MATCH WALL FINISH.
- ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS AS SPECIFIED IN THE NEC. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF SUPPORTING 100% OF THE LIGHTING FIXTURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH FIXTURE.
- PROVIDE TWO SLACK WIRE #12-GAUGE SAFETY HANGER WIRES CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. HANGER WIRES SHALL BE ATTACHED ON OPPOSITE CORNERS OF FIXTURE. PAINT SUPPORT WIRES FOR LIGHT FIXTURES AND LIGHTING WHIPS RED.



**1 THIRD FLOOR ELECTRICAL DEMOLITION PLAN**  
E-201 SCALE: 1/8" = 1'-0"



**3 THIRD FLOOR LIGHTING RENOVATION**  
E-201 SCALE: 1/8" = 1'-0"

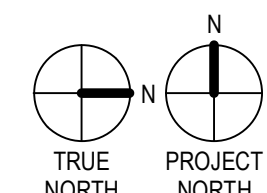
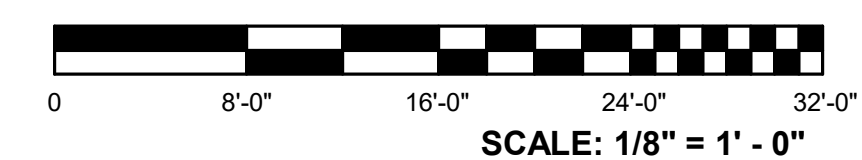


**2 THIRD FLOOR POWER & SYSTEMS RENOVATION**  
E-201 SCALE: 1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE											
SYMBOL	TYPE	FITTURE SPECIFICATIONS			LAMPING		ELECTRICAL		MOUNTING	REMARKS	NOTES
		DESCRIPTION	MANUFACTURER	CAT. #	LUMENS	COLOR TEMP	FIXT. LOAD	VOLTS			
X1	SINGLE FACE EXIT SIGN WITH EMERGENCY TWO HEAD LIGHT FIXTURES	SURE-LITES	APCH7RSO	-	-	6	120 V	CEILING			

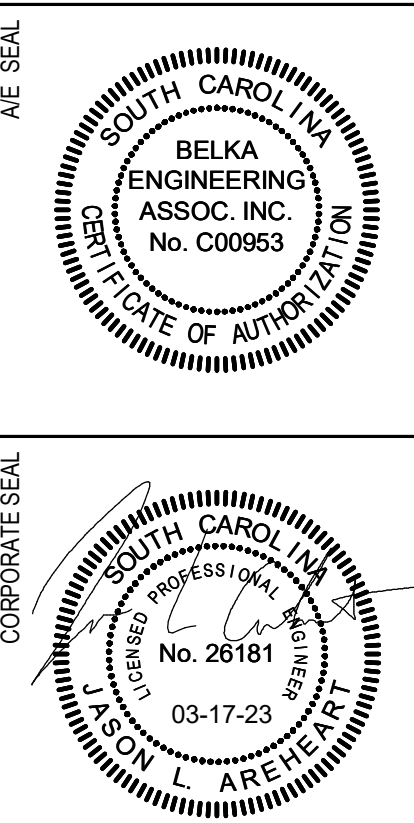
**DEMOLITION/RENOVATION NOTATION**

- IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES.
- DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
- E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE.
- R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
- RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
- RN RELOCATED FIXTURE (NEW LOCATION).
- RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.



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PHASE  
CONSTRUCTION DOCUMENTS

ISSUE DATE: 3.17.2023  
PROJECT NO.: 22.305.01

REVISION: DATE