

# NORTH CAROLINA

Department of Transportation

## PROJECT TEAM

**OWNER**  
 NORTH CAROLINA DEPT. OF TRANSPORTATION  
 DIVISION 10 OFFICE  
 716 W. MAIN STREET  
 ALBEMARLE, NC 27001  
 PH. (704) 983-4415

**ARCHITECT**  
 EBA ARCHITECTS, P.A.  
 390 S. STRATFORD ROAD, SUITE C  
 WINSTON-SALEM, NC 27103  
 PH. (336) 725-1361

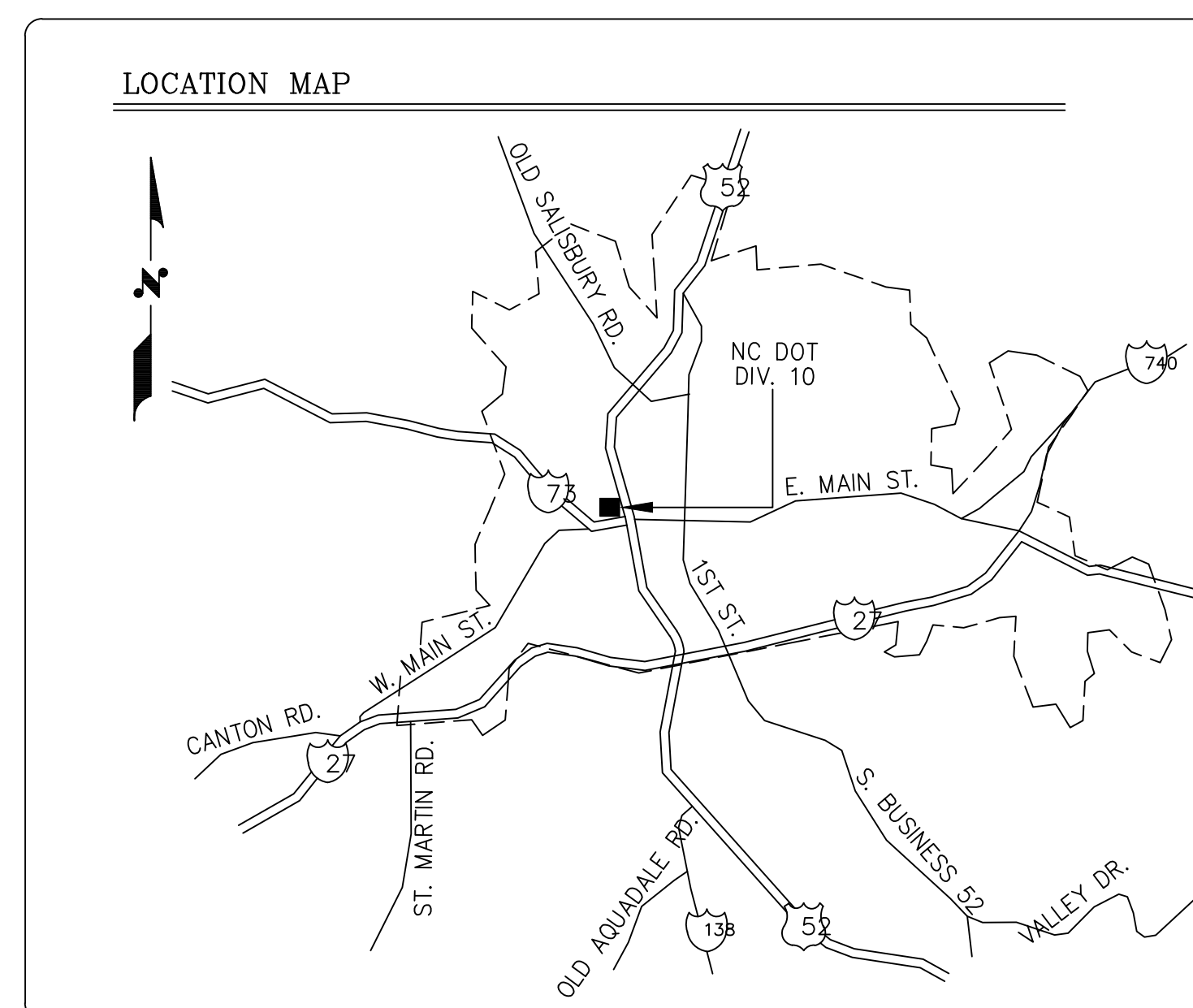
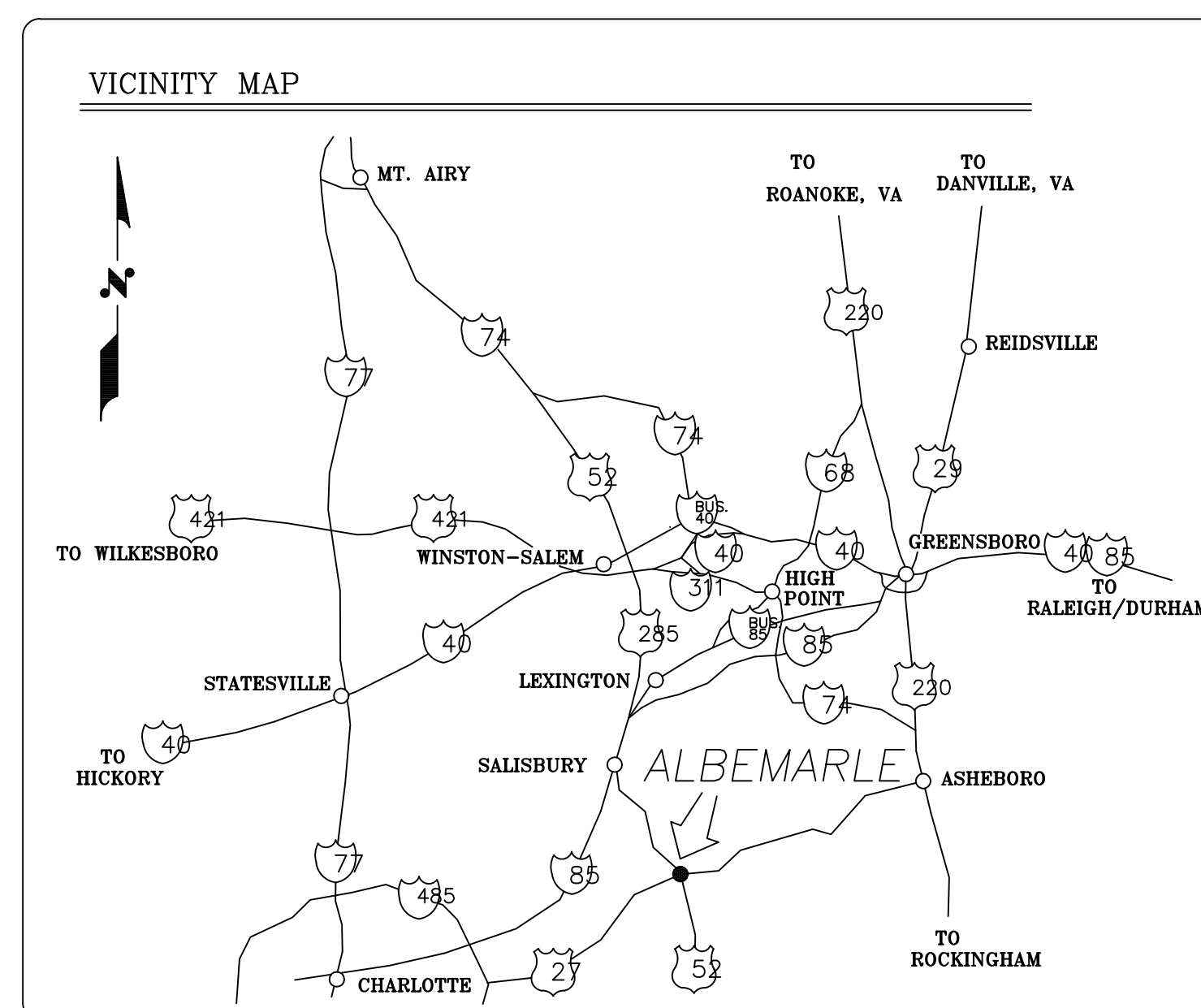
**CIVIL**  
 NA

**STRUCTURE**  
 NA

**PLUMBING**  
 NA

**MECHANICAL**  
 HOLIDAY ELECTRICAL MECHANICAL ENGINEERING  
 3512 VEST MILL ROAD, SUITE C  
 WINSTON-SALEM, NC 27103  
 PH. (336) 293-4827

**ELECTRICAL**  
 HOLIDAY ELECTRICAL MECHANICAL ENGINEERING  
 3512 VEST MILL ROAD, SUITE C  
 WINSTON-SALEM, NC 27103  
 PH. (336) 293-4827



## SHEET INDEX

**GENERAL**  
 AB SYMBOL & ABBREVIATIONS  
 CS1 CODE SHEET  
 LSI LIFE SAFETY SHEET  
 SP1 SPECIFICATIONS

**CIVIL**  
 NA

**ARCHITECTURAL**  
 D1 DEMO FLOOR PLAN  
 A1 FLOOR & REFLECTED CEILING PLANS  
 A2 DOOR & FINISH SCHEDULES:  
 DETAILS & SECTIONS

**STRUCTURAL**  
 NA

**PLUMBING**  
 NA

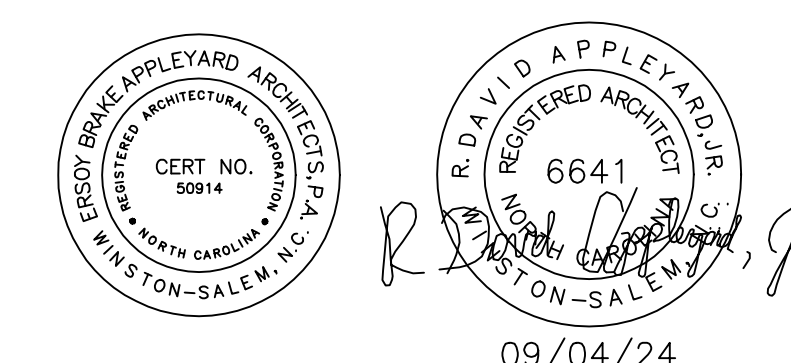
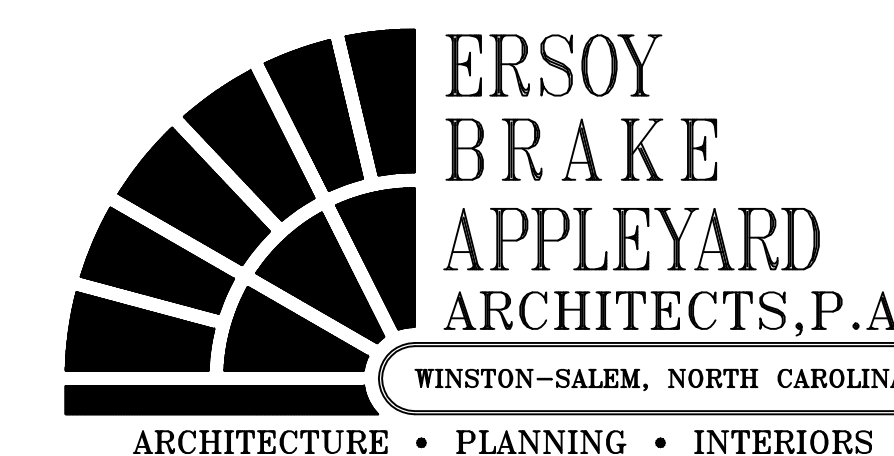
**MECHANICAL/ELECTRICAL/FIRE PROTECTION**  
 M1 HVAC PLANS  
 E1.1 LIGHTING PLANS  
 E1.2 ELECTRICAL PLANS

NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION

# DIVISION 10 MAIN OFFICE ALTERATIONS

ALBEMARLE, NORTH CAROLINA  
 SEPTEMBER 04, 2024

COMMISSION 2401  
 SCO #24-28345-01A



BID SET:  
 SET # \_\_\_\_\_



2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: NCDOT DIV-10 MAIN OFFICE ALTERATIONS
Address: 716 W. MAIN STREET, ALBEMARLE, NC Zip Code 28001
Proposed Use: Existing Office (Business)
Owner/Authorized Agent: NCDOT/William E. Johnson, PE Phone # (704) 983-4415 E-Mail: wjohnson@ncdot.gov

LEAD DESIGN PROFESSIONAL: R. David Appleyard, Jr.
DESIGNER: FIRM NAME LICENSE # TELEPHONE # E-MAIL
Architectural: EBA Architects David Appleyard 6641 (336) 725-1361 dappleyard@ebaarchitects.com

2018 NC BUILDING CODE: New Building Addition Renovation
(Referenced)
15' Time Interior Completion.
Shell Core - Contact The Local Inspection Jurisdiction For Possible Additional Procedures And requirements.

2018 NC EXISTING BUILDING CODE: Existing Alteration Repair Chapter 14 (Primary)
Level 1 Level 2 Level 3
Historic Property Change Of Use

CONSTRUCTED: (date) 1969 CURRENT OCCUPANCY(S) (Ch. 3): Office / Business
RENOVATED: (date) NA PROPOSED OCCUPANCY(S) (Ch. 3): Office / Business
ADDITION: (date) 1991
RISK CATEGORY (Table 1604.5): Current: Proposed: I II III IV

BASIC BUILDING DATA
Construction Type: I-A I-B I-C I-D I-E I-F I-G I-H I-I I-J I-K I-L I-M I-N I-O I-P I-Q I-R I-S I-T I-U I-V I-W I-X I-Y I-Z
Sprinklers: Yes No Partial
Standpipes: Yes No Class I II III IV V
Fire District: Yes No
Special Inspections Required: Yes No (Contact The Local Inspection Jurisdiction For Additional Procedures And Requirements)

Gross Building Area Table: Table with columns for Floor, Existing (SQ FT), New (SQ FT), and Sub-TOTAL. Rows include Penthouses, Mech. Mezz., 3rd Floor, 2nd Floor, 1st Floor, and Basement.

ALLOWABLE AREA
Primary Occupancy Classification(s): Assembly, Business, Educational, Factory, Hazardous, Institutional, Mercantile, Residential, Storage, Utility And Miscellaneous.
Accessory Occupancy Classification(s): NA
Incidental Uses (Table 509): NA
Special Provisions (Chapter 5 - List Code Sections): NA

Mixed Occupancy: Separation - If Exception:
Separated Use (508.4) The Required Type Of Construction For The Building Shall Be Determined By Applying The Height And Area Limitations For Each Of The Applicable Occupancies To The Entire Building. The Most Restrictive Type Of Construction, So Determined, Shall Apply To The Entire Building.

Table with columns: STORY NO., DESCRIPTION AND USE, (A) BLDG. AREA PER STORY (ACTUAL), (B) TABLE 506.2 AREA, (C) AREA FOR FRONTAGE INCREASE, (D) ALLOWABLE AREA PER STORY OR UNLIMITED. Rows for 1st Business, Total, and Total.

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase = 100(F/P - 0.25) / W = (%)
2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the un-sprinklered area value in Table 506.2.

ALLOWABLE HEIGHT Table with columns: ALLOWABLE, SHOWN ON PLANS, CODE REFERENCE. Rows for Building Height in Feet (Table 504.3) and Building Height in Stories (Table 504.4).

1 Provide code reference if the "Shown on Plans" quantity is not based on 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS: Exist'g. Bldg. - No Struct. Modifications; Only New Offices.

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATIO, DETAIL #, DESIGN #, SHEET # FOR RATED PENETRATION, SHEET # FOR RATED JOINTS. Rows include Structural Frame, Bearing Walls, Nonbearing Walls and Partitions, Floor Construction, etc.

PERCENTAGE OF WALL OPENING CALCULATIONS Table with columns: FIRE SEPARATION DISTANCE, DEGREE OF OPENING PROTECTION, ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%). Row for >30'.

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: Yes No
Exit Signs: Yes No
Fire Alarms: Yes No
Smoke Detection Systems: Yes No Partial
Carbon Monoxide Detection: Yes No

LIFE SAFETY PLAN REQUIREMENTS
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on the site plan)
Exterior wall opening area with respect to distance to assumed property lines (705.8)
Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
Occupant loads for each area
Exit sign locations (1013)
Exit access travel distances (1017)
Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
Dead end lengths (1020.4)
Clear exit widths for each exit door
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
Location of doors with panic hardware (1010.1.10)
Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
Location of doors with electromagnetic egress locks (1010.1.9.9)
Location of doors equipped with hold-open devices
Location of emergency escape windows (1030)
The square footage of each fire area (202)
The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107) Table with columns: UNIT CLASSIFICATION, TOTAL UNITS, ACCESSIBLE UNITS, TYPE A, TYPE B, TYPE C, TYPE D, TOTAL ACCESSIBLE UNITS PROVIDED.

ACCESSIBLE PARKING (SECTION 1106) Table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACCESSIBLE SPACES PROVIDED, TOTAL # ACCESSIBLE PROVIDED.

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) Table with columns: USE, WATER CLOSETS, URINALS, LAVATORIES, SHOWERS, DRINKING FOUNTAINS.

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
SCO (AHD)

ENERGY SUMMARY

ENERGY REQUIREMENTS: (NOT APPLICABLE)
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes
Exempt Building: No Yes
Climate Zone: 3A 4A 5A
Method of Compliance: Energy Code, ASHRAE 90.1, Prescriptive

THERMAL ENVELOPE (Prescriptive method only) (NOT APPLICABLE)
Roof/Ceiling Assembly: Description, U-Value, R-Value, Skylights
Exterior Walls: Description, U-Value, R-Value, Openings
Floors over unconditioned space: Description, U-Value, R-Value
Floors slab on grade: Description, U-Value, R-Value, Horizontal/vertical requirement

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(Provide on the Electrical Sheets if Applicable)

ELECTRICAL SYSTEM AND EQUIPMENT (NO BOXES Are CHECKED Due To Limited Scope Of Work. Refer To Electrical Drawings.)
Method of Compliance: Energy Code, ASHRAE 90.1, Performance, Prescriptive

Lighting schedule (each fixture type) (Refer To Electrical Drawings)
Lamp type required in fixture - (Lighting Lamps Existing)
Number of lamps in fixture - (Lighting Lamps Existing)
Ballast type used in the fixture - (Lighting Lamps Existing)
Number of ballasts in fixture - (Lighting Lamps Existing)
Total wattage per fixture - (Lighting Lamps Existing)
Total interior wattage specified vs. allowed (whole Bldg. or Space by Space) - (Ltg. Lamps Exist'g)
Total exterior wattage specified vs. allowed - (Lighting Lamps Existing)

Additional Efficiency Package Options (NO BOXES Are CHECKED Due To Limited Scope Of Work. See Electrical Drawings)
When using the 2018 NCEC, not required for ASHRAE 90.1:
C406.2 More Efficient HVAC Equipment Performance
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Renewable Energy
C406.6 Dedicated Outdoor Air System
C406.7 Reduced Energy Use in Service Water Heating

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(Provide on the Structural Sheets if Applicable)

DESIGN LOADS: (N4)
Importance Factors: Snow, Seismic
Live Loads: Roof, Mezzanine, Floor
Ground Snow Load: psf
Wind Load: Ultimate Wind Speed, Exposure Category

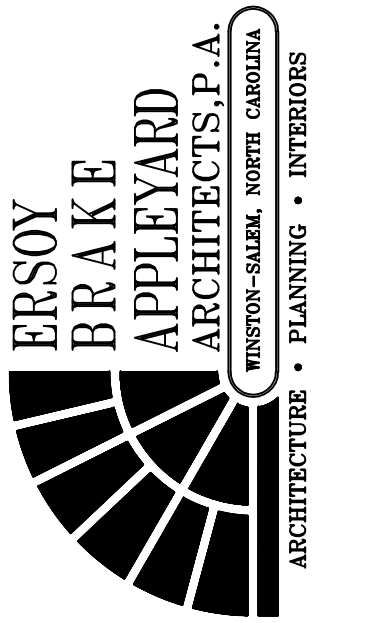
SEISMIC DESIGN CATEGORY: A B C D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) I II III IV
Spectral Response Acceleration S, NA, Sg
Site Classification (ASCE 7) A B C D E F
Data Source: Field Test, Presumptive, Historical Data
Basic structural system: Bearing Wall, Dual w/Special Moment Frame, Building Frame, Dual w/Intermediate R/C or Special Steel Moment Frame, Inverted Pendulum, Equivalent Lateral Force, Dynamic
Analysis Procedure: Simplified
Architectural, Mechanical, Components anchored? Yes No
LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) psf
Presumptive Bearing Capacity 2,000 psf
Pile size, type, and capacity NA

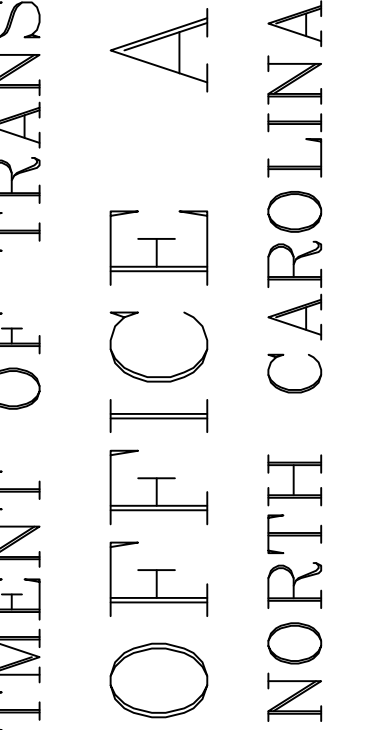
2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(Provide on the Mechanical Sheets if Applicable)

MECHANICAL SUMMARY (PLEASE SEE MECHANICAL DRAWINGS)

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone (See Mech. Dwg.)
winter dry bulb:
summer dry bulb:
Interior Design Conditions (See Mech. Dwg.)
winter dry bulb:
summer dry bulb:
relative humidity:
Building Heating Load: (See Mech. Dwg.)
Building Cooling Load: (See Mech. Dwg.)
Mechanical Spacing Conditioning System
Unitary (See Mech. Dwg.)
description of unit:
heating efficiency:
cooling efficiency:
size category of unit:
Boiler (See Mech. Dwg.)
Size category, if oversized, state reason:
Chiller (See Mech. Dwg.)
Size category, if oversized, state reason:
List Equipment Efficiencies: (See Mech. Dwg.)



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 10 - MAIN OFFICE ALTERATIONS
ALBEMARLE, NORTH CAROLINA



THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. IF THE PROJECT FOR WHICH THEY ARE MADE IS EXTENDED OR NOT, THEY ARE NOT TO BE USED BY THE OWNER OR ANY OTHER PERSON ON OTHER PROJECTS OR EXTENSIONS TO THE PROJECT WITHOUT THE WRITTEN PERMISSION OF ERSOY BRAKE APPELYARD ARCHITECTS, P.A.

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DRAWN: BDA
CHECKED: BDA
COMM: 2401
DATE: 09/04/2024
BID SET

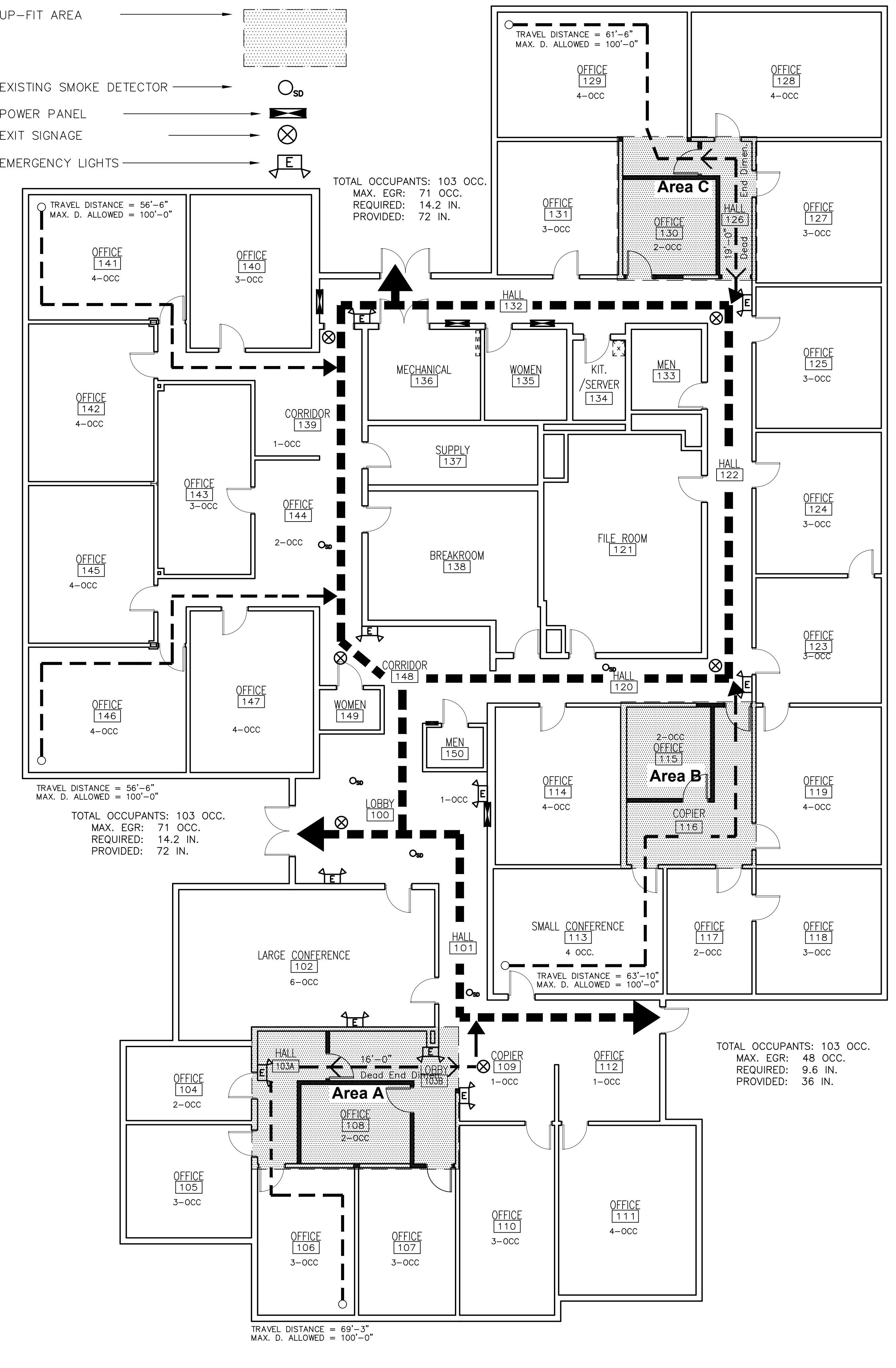
CD-1

SCO# 24-28345-01A

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION 10 - MAIN OFFICE ALTERATIONS  
ALBEMARLE, NORTH CAROLINA

LEGEND:

- EXISTING WALLS ————
- NEW WALLS ————
- EVACUATION ROUTE ————
- UP-FIT AREA ————
- EXISTING SMOKE DETECTOR ————
- POWER PANEL ————
- EXIT SIGNAGE ————
- EMERGENCY LIGHTS ————



1 LIFE SAFETY PLAN  
SCALE: 1/8" = 1'-0"



**DEMOLITION GENERAL NOTES:**

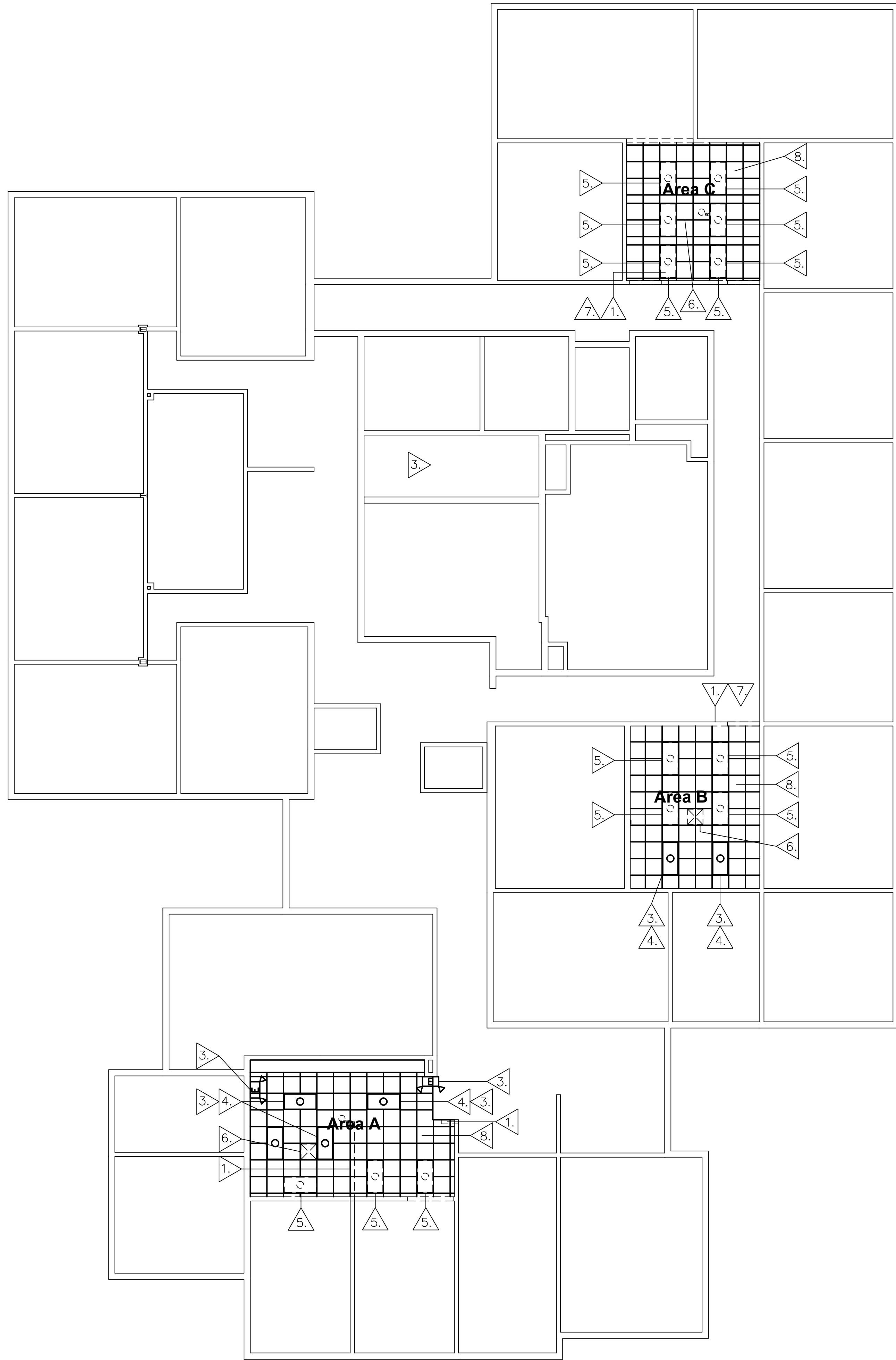
- REFER TO SPECIFICATIONS FOR SELECTIVE DEMOLITION, CUTTING & PATCHING REQUIREMENTS. REFER TO P/M/E DRAWINGS FOR INFO. NOT SHOWN ON D-1.
- GENERAL CONTRACTOR SHALL REMOVE AND RELOCATE EXISTING EQUIPMENT AS DIRECTED BY OWNER. CONTRACTOR SHALL RELOCATE EQUIPMENT TO NEW LOCATION WITHIN BUILDING AS DIRECTED BY OWNER.
  - REMOVE & DISPOSE OF EXISTING FLOORING AND RESILIENT BASE IN DEMO AREA IN THEIR ENTIRETY. PREP FLOOR AREA FOR NEW FLOORING AND WALL BASE.
  - GENERAL CONTRACTOR TO REMOVE & DISPOSE OF EXISTING CEILING TILES IN THE DEMO. AREA IN THEIR ENTIRETY, AND REPLACE WITH NEW CEILING TILES.
  - REMOVE AND REUSE/RELOCATE EXISTING DOORS/FRAMES/HDR. IN THEIR ENTIRETY (UNLESS NOTED OR SHOWN OTHERWISE).

**DEMOLITION PLAN KEY NOTES:**

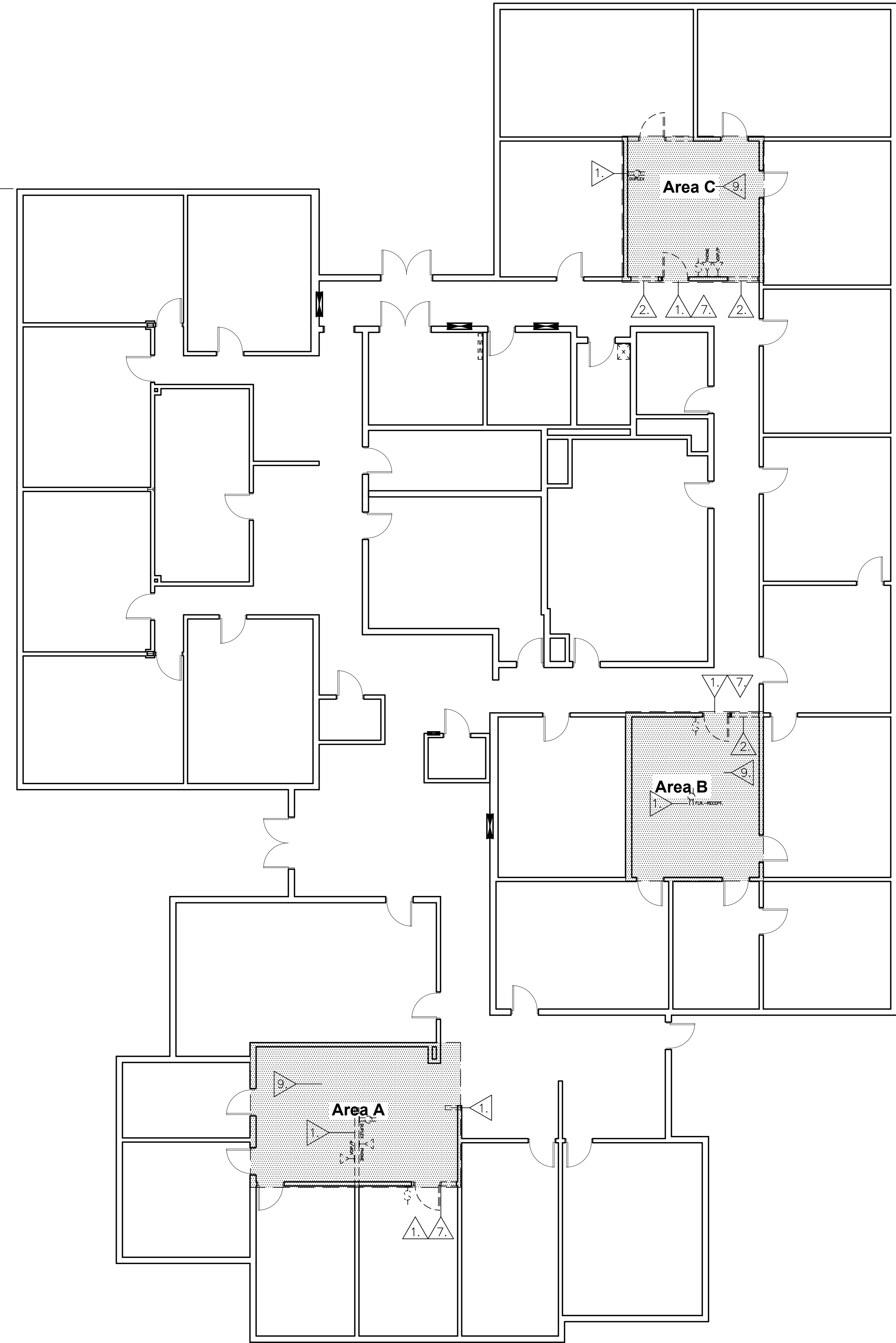
- REFER TO SPECIFICATIONS FOR SELECTIVE DEMOLITION, CUTTING & PATCHING REQUIREMENTS. REFER TO P/M/E DRAWINGS FOR INFO. NOT SHOWN ON D-1.
- REMOVE EXISTING WALL TO EXTENTS SHOWN ON DRAWINGS 1-D1 & 2-D1 DRAWINGS IN ITS ENTIRETY. DISCONNECT ANY ELECTRICAL WIRES, CONDUITS, OUTLETS, SWITCHES, AND DATA PORTS AND REROUTE/REINSTALL/REUSE FOR NEW LOCATION(S).
  - CUT NEW OPENING IN EXISTING WALL TO EXTENTS SHOWN ON DRAWING 1-D1 FOR NEW DOOR OPENING. REFER TO SHEET A-2 FOR DOOR OPENING SIZE.
  - EXISTING LIGHTS AND DIFFUSERS TO REMAIN AS IS IN THEIR RESPECTIVE LOCATION. CONTRACTOR TO REPAIR/REPLACE DAMAGED ITEMS AS NEEDED. VENTILATION DIFFUSERS TO BE CLEANED UPON COMPLETION OF RENOVATIONS.
  - EXISTING LIGHTS TO BE REWIRED FOR SEPARATE OFFICES AND NEW SWITCHES ADDED AT NEW OFFICE DOOR LOCATIONS.
  - RELOCATE AND RECONFIGURE EXISTING LIGHTS TO BE REWIRED FOR SEPARATE AREAS AND NEW SWITCHES ADDED AT NEW OFFICE DOOR LOCATION.
  - RELOCATE AND RECONFIGURE EXISTING DIFFUSERS, AND SMOKE DETECTORS AS REQUIRED FOR NEW LOCATION.
  - REMOVE EXISTING DOOR/FRAME/HARDWARE WHERE INDICATED ON DRAWING 1-D1, AND REINSTALL IN NEW LOCATION WHERE INDICATED.
  - REMOVE AND DISPOSE OF ALL EXISTING CEILING TILE IN DEMO. AREA.
  - REMOVE AND DISPOSE OF ALL EXISTING CARPET TILE AND BASE IN DEMO. AREA.

**LEGEND:**

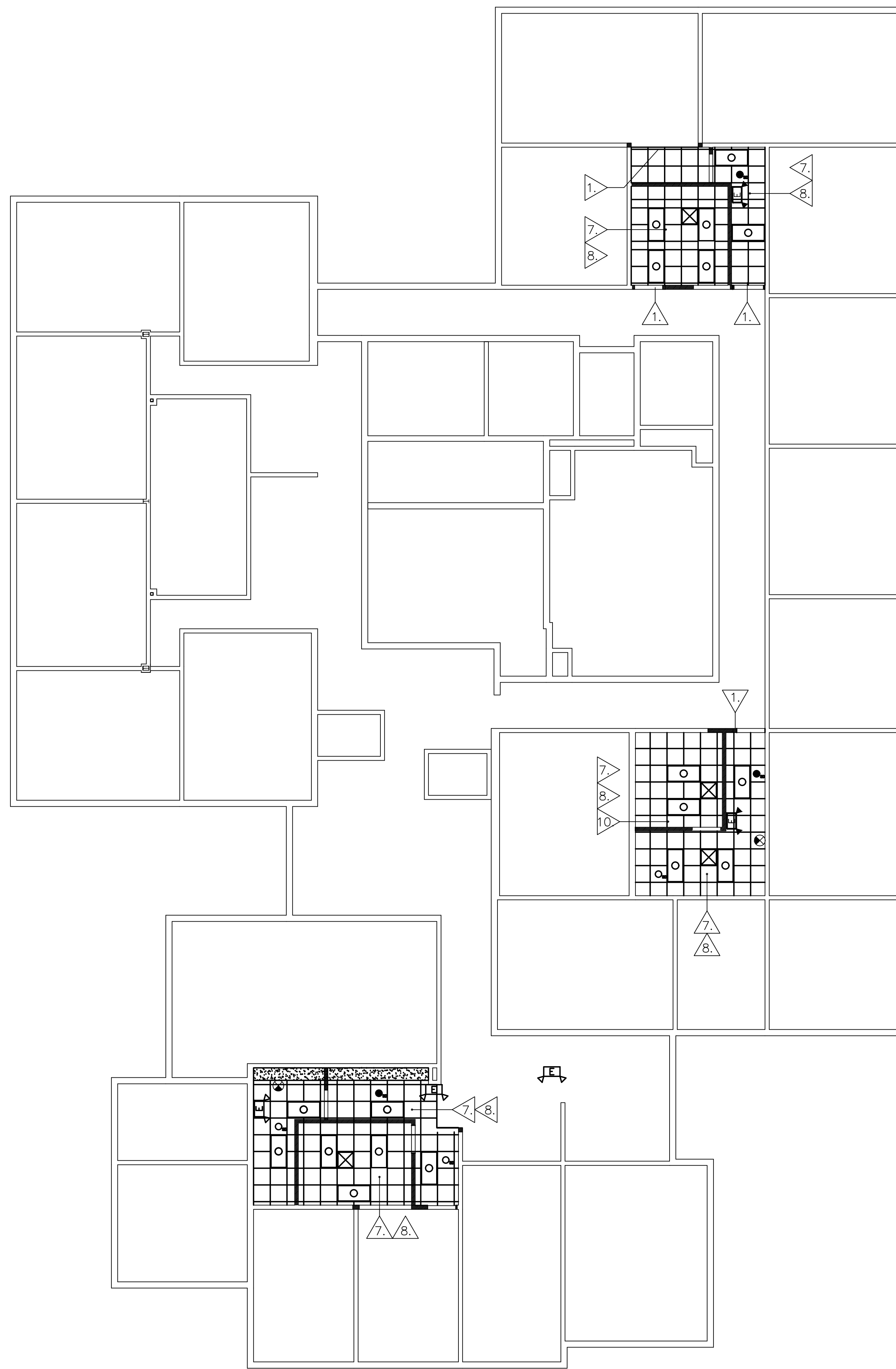
EXISTING WALLS	———
EXISTING WALLS TO BE REMOVED	- - - - -
EXISTING ITEMS TO BE REMOVED OR RELOCATED	○
NEW WALLS	———
EXISTING CEILING GRID	———
EXISTING LIGHTS TO BE RELOCATED	○
EXISTING LIGHTS	○
EXISTING DIFFUSER TO BE RELOCATED	⊗
EXISTING DIFFUSER	⊗
EXISTING SMOKE DETECTOR	⊗
EXISTING SMOKE DETECTOR TO BE RELOCATED	⊗
EXIT SIGNAGE	⊗
EMERGENCY LIGHTS	⊗
EXISTING PWR. RECEPT.	⊗
NEW PWR. RECEPT.	⊗
EXISTING TELE./DATA RECEPT.	⊗
NEW TELE./DATA. RECEPT.	⊗
EXISTING LIGHT SWITCH.	⊗
NEW LIGHT SWITCH.	⊗



2 REFLECTED CEILING DEMOLITION FLOOR PLAN  
SCALE: 1/8" = 1'-0"



1 DEMOLITION FLOOR PLAN  
SCALE: 1/8" = 1'-0"



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

GENERAL NOTES:

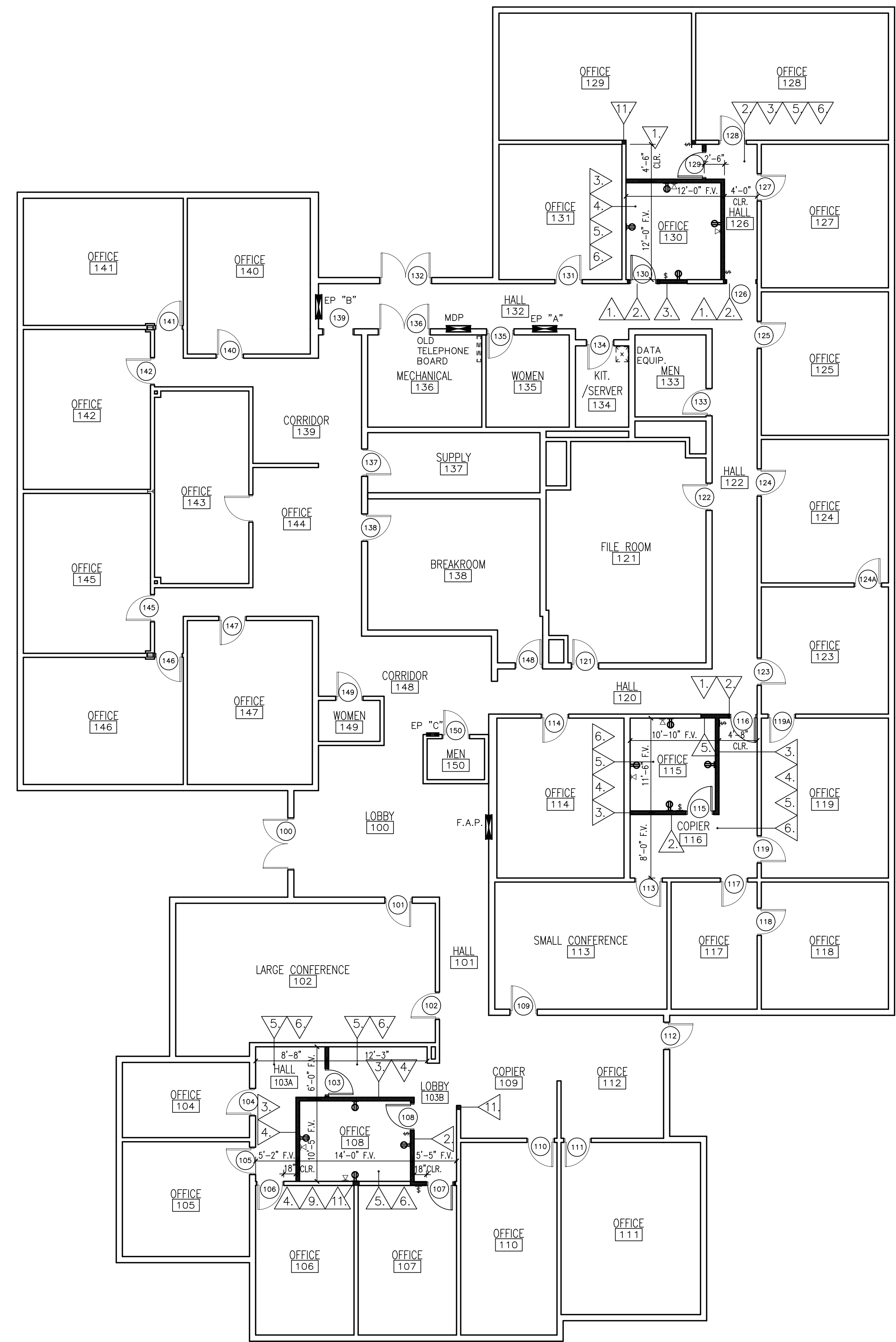
- DIMENSIONS ARE TO CENTER LINE OF WALL UNLESS INDICATED OTHERWISE.
- DOORS 108 AND 115 ARE NEW DOORS, NEW FRAMES AND HARDWARE IN NEW PARTITIONS.
- DOORS 116 AND 126 ARE NEW CASED OPENINGS (FRAMES ONLY) IN EXISTING WALLS.
- DOOR 130 IS EXISTING DOOR, FRAME AND HARDWARE IN NEW LOCATION IN EXISTING WALL.
- U.N.O. NEW PARTITIONS TO BE 3 3/4" METAL STUD WALLS AT 16" O.C., FROM FINISH FLOOR TO CEILING GRID HEIGHT ABOVE; 3/4" THICK GWB ON EACH SIDE WITH INSULATING SOUND BATTS, FULL HEIGHT.
- NEW OFFICES 103, 108, 115, 116, 126 AND 130 TO RECEIVE NEW CARPET TILE, FLOOR FINISH; NEW RESILIENT BASE; PAINTED WALL FINISH AND NEW ACOUSTICAL CEILING TILES.
- LIGHTING, HVAC DIFFUSERS, ETC. LOCATIONS TO BE MODIFIED TO ACCOMMODATE THE NEW OFFICE SPACES. REPAIR/REPLACE DAMAGED ITEMS.
- POWER RECEPTACLES AND SWITCHES TO BE ADDED OR MODIFIED/RELOCATED TO ACCOMMODATE THE NEW OFFICES AND PARTITIONS.
- DATA/COMMUNICATION DEVICE LOCATIONS TO BE ADDED/MODIFIED/RELOCATED TO ACCOMMODATE THE NEW OFFICES/PARTITIONS. C.C. TO INSTALL RACEWAYS; OWNER TO PULL, INSTALL AND CONNECT CABLES AND DEVICES.

FLOOR & CEILING PLAN KEY NOTES:

- ▲ NEW WALL OPENINGS SHALL EXTEND UP TO CEILING GRID OR TO DOOR HEIGHT AND CASED WITH NEW DOOR FRAMES TO MATCH EXISTING.
- ▲ NEW DOOR LOCATIONS TO HAVE NEW SWITCHES OR RELOCATED SWITCHES WITHIN 12" OF DOOR SWING CATCH JAMB.
- ▲ NEW WALL PARTITIONS TO HAVE A MINIMUM OF ONE DUPLEX OUTLET MID DISTANCE OF ROOM.
- ▲ NEW DATA PORT AND TELEPHONE LINE DROP IN NEW WALL PARTITION TO BE LOCATED BY OWNER IN APPROXIMATION TO NEW AND ALTERNATIVE DESK LOCATIONS.
- ▲ NEW WALL PARTITIONS AND EXISTING WALLS WITH NEW OPENINGS ARE TO BE PAINTED FROM CORNER TO CORNER.
- ▲ INSTALL NEW RESILIENT WALL BASE AT NEW WALL PARTITIONS AND EXISTING WALLS WITH INFILLED OPENINGS TO MATCH EXISTING.
- ▲ REPLACE EXISTING CEILING TILES WITH NEW CEILING TILES AND REPAIR CEILING GRID WHERE NECESSARY.
- ▲ INSTALL NEW SMOKE DETECTORS IN NEW OFFICES, WHERE REQUIRED.
- ▲ INSTALL RELOCATED DUPLEX OUTLET IN NEW OFFICES, WHERE REQUIRED.
- ▲ INSTALL NEW AIR DIFFUSER IN NEW OFFICE AREAS, WHERE REQUIRED.
- ▲ PATCH/REPAIR REMAINING PARTITION FULL HEIGHT AND REFINISH & REPAINT TO MATCH EXISTING.

LEGEND:

- EXISTING WALLS
- NEW WALLS
- EXISTING CEILING GRID
- EXISTING LIGHTS
- EXISTING DIFFUSER
- EXISTING SMOKE DETECTOR
- NEW SMOKE DETECTOR
- NEW EXIT LIGHT
- EXISTING EXIT LIGHT
- NEW EMERGENCY LIGHTS
- EXISTING EMERGENCY LIGHTS
- NEW PWR. RECEPT.
- NEW TELE./DATA. RECEPT.
- NEW LIGHT SWITCH.



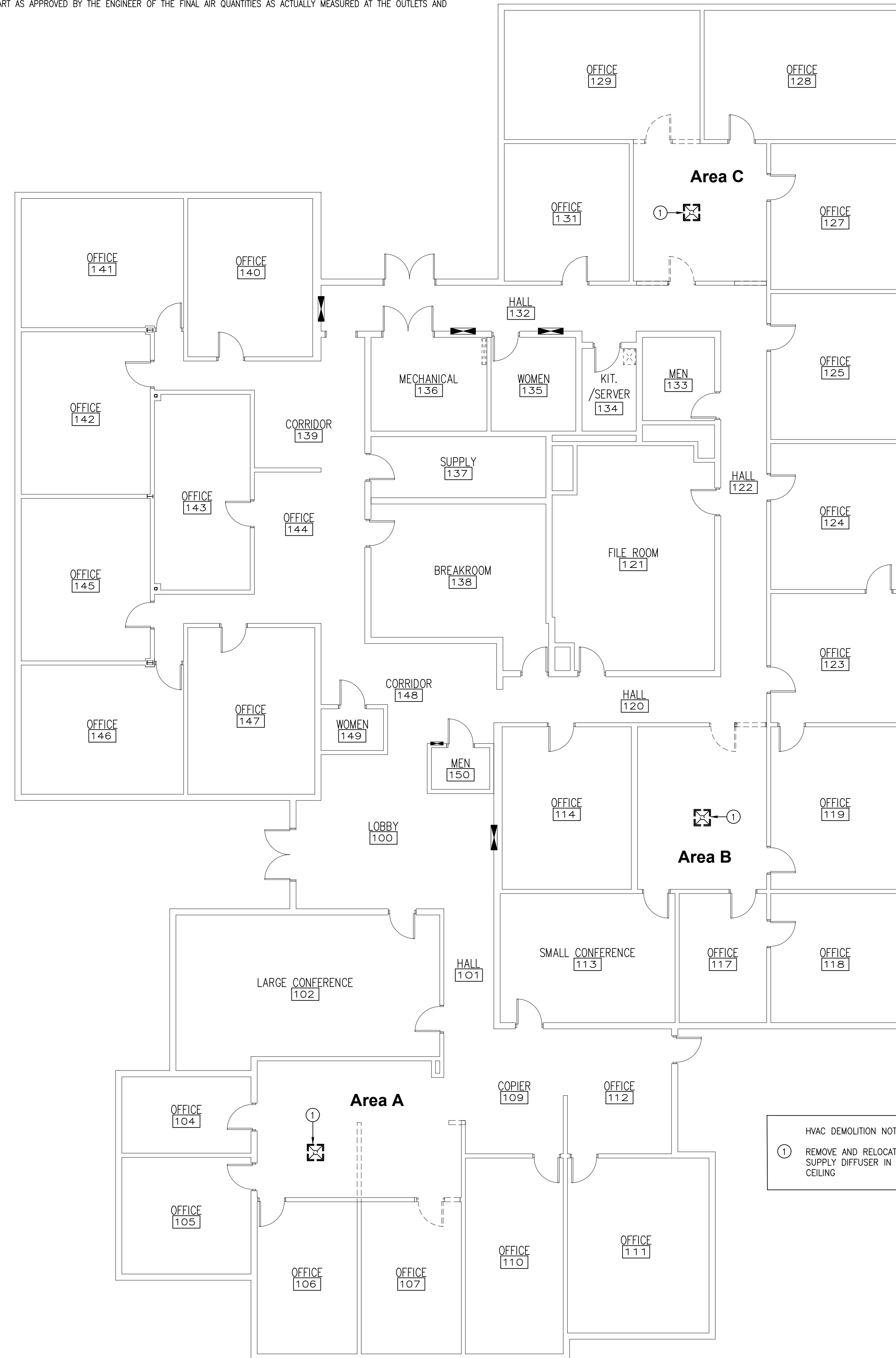
1 FLOOR PLAN  
SCALE: 1/8" = 1'-0"





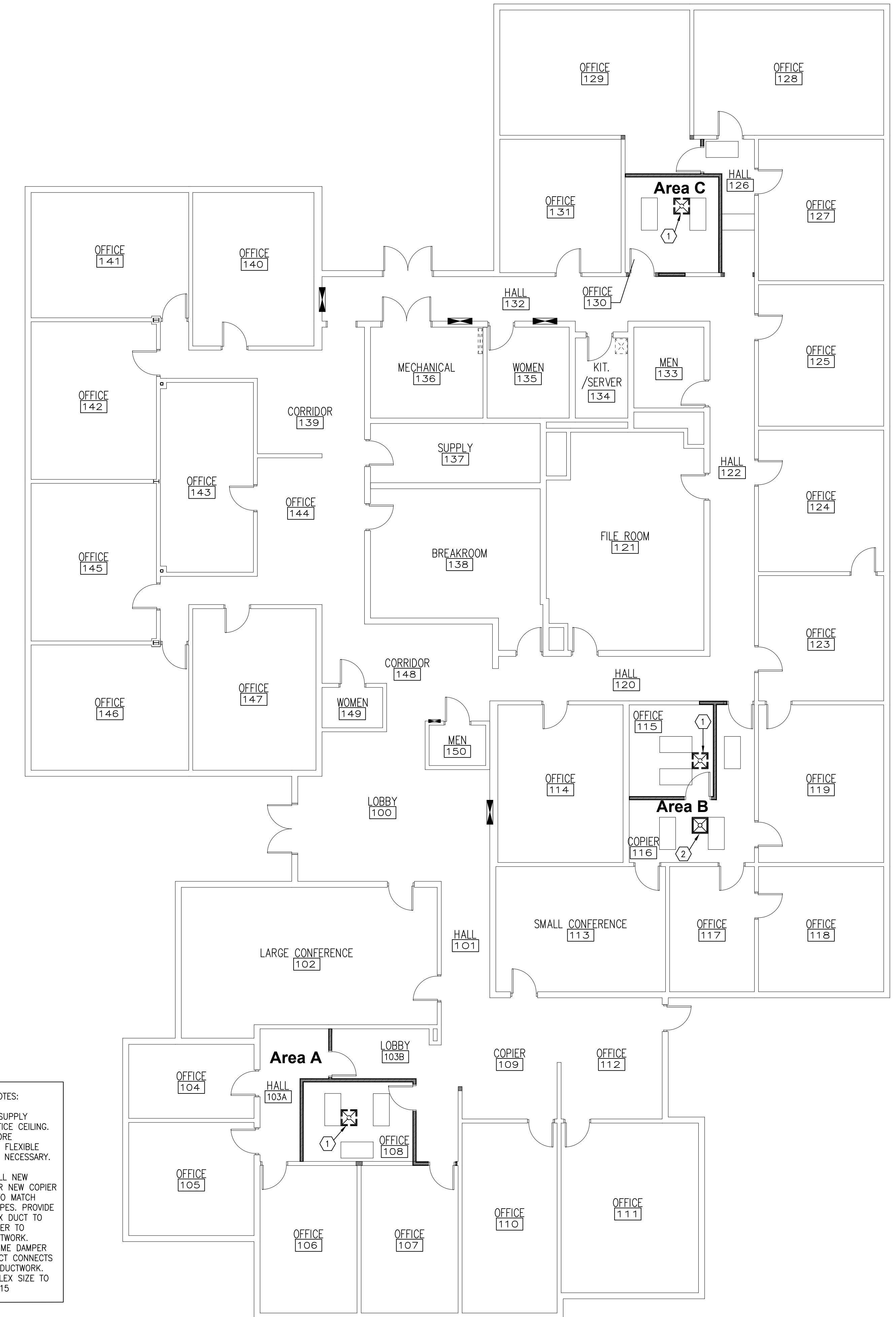
**GENERAL NOTES**

1. ALL MECHANICAL WORK SHALL COMPLY WITH THE 2018 EDITION OF THE NORTH CAROLINA MECHANICAL CODE INCLUDING ALL AMENDMENTS AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES. THE EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE 2018 NORTH CAROLINA ENERGY CONSERVATION CODE.
2. ALL WORK SHALL BE PERFORMED BY QUALIFIED TECHNICIANS EXPERIENCED IN THE TRADE. ALL WORK SHALL BE CONSTRUCTED AND INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER ACCORDING TO RECOGNIZED TRADE PRACTICES AND ACCORDING TO SMACNA-HVAC DUCT CONSTRUCTION STANDARDS, 1995, 2ND EDITION, OR LATER.
3. THE DRAWINGS ARE SPECIFIC FOR THE LOCATION OF EQUIPMENT, DUCTS, GRILLES, ETC. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT COMPLETE MECHANICAL SYSTEMS WILL BE FURNISHED, INSTALLED, TESTED AND READY FOR OPERATION WHETHER OR NOT EVERY ITEM OF EQUIPMENT, ACCESSORY, DEVICE, ETC. IS SHOWN. REFERENCE SHALL BE MADE TO THE FULL DRAWING PACKAGE INCLUDING ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS FOR COORDINATION AND POTENTIAL CONFLICTS. THE MECHANICAL CONTRACTOR WILL, WITHOUT EXTRA CHARGE AND ONLY AS NECESSARY, MAKE MODIFICATIONS IN THE LAYOUT TO PREVENT CONFLICTS WITH OTHER TRADES. SUCH CHANGES SHALL NOT AFFECT THE PERFORMANCE OF THE ENGINEER'S DESIGN. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTWORK.
4. STARTERS, COMBINATION STARTERS, CONTACTORS, ETC. FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. ALL POWER WIRING AND CONDUIT TO EQUIPMENT TERMINALS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. POWER SHALL BE TURNED ON ONLY UPON EXPLICIT APPROVAL OF THE MECHANICAL CONTRACTOR.
5. ALL SMOKE DETECTORS, ONLY WHEN REQUIRED, SHALL BE INSTALLED IN THE DUCTS, UPSTREAM OF FRESH AIR SUPPLIES. THE CONTRACTOR SHALL INSTALL THE SMOKE DETECTORS AND WIRE THE FAN SHUTDOWN CIRCUIT. THE FIRE ALARM CONTRACTOR SHALL WIRE THE DUCT SMOKE MONITORING CIRCUITS FOR THE FIRE ALARM.
6. DUCTWORK CONSTRUCTION AND INSTALLATION, IF APPLICABLE, SHALL BE ACCORDING TO THE MOST RECENTLY PUBLISHED SMACNA STANDARDS. CURVED ELBOWS SHALL HAVE A CENTERLINE NOT LESS THAN 1-1/2 TIMES DUCT DIAMETER OR SHALL HAVE TURNING VANES INSTALLED. PROVIDE BALANCING DAMPERS, TURNING VANES, AIR SCOOPS, SPIN COLLARS AND ANY OTHER ITEM REQUIRED TO PROPERLY BALANCE THE AIR FLOW.
7. MECHANICAL CONTRACTOR SHALL, IF APPLICABLE, BALANCE AIR TO ALL DIFFUSERS AND FROM ALL EXHAUST GRILLES AS INDICATED BY THE CFM REQUIREMENTS SHOWN ON THE DRAWINGS.
8. ALL REQUIRED SUPPORTS, STRAPS, HANGERS, ETC. FOR DUCTWORK AND DROP DIFFUSERS, IF APPLICABLE, SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
9. ALL UNIT CABINETS SHALL BE CLEARLY LABELED WITH BLACK STENCILED CHARACTERS CORRESPONDING TO UNIT NUMBERS ON THE PLANS.
10. INDOOR AIR FILTERS SHALL BE HIGH EFFICIENCY PLEATED MEDIA (MERV 8, OR BETTER) AND SHALL BE REPLACED EVERY TWO WEEKS DURING CONSTRUCTION AND SHALL BE REPLACED ON THE DAY THE PROJECT IS TURNED OVER TO THE OWNER.
11. INSTALL SENSORS AND T-STATS FOR THE HVAC UNITS AT 4'-0" AFF. ALL SENSORS, DAMPERS, ZONE CONTROLLERS, DUCTWORK, ETC. NECESSARY FOR A COMPLETE WORKING SYSTEM SHALL BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR IN ORDER TO MEET THE INTENT OF THESE DRAWINGS.
12. HVAC SUPPLEMENTAL MATERIALS (FLEX DUCT, DUCT LINING, JACKETS, TAPE, TIES, FITTINGS, ETC.) SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DEVELOPED RATING NOT TO EXCEED 50.
13. AT COMPLETION OF EACH WORKING DAY, THE MECHANICAL CONTRACTOR SHALL CLEAN UP AND REMOVE ALL MECHANICAL SYSTEMS DEBRIS AND MATERIALS NOT USED.
14. DUCT SIZES, IF APPLICABLE, SHOWN IN THESE PLANS ARE INSIDE, CLEAR AIR DIMENSIONS.
15. ALL METAL SUPPLY AND RETURN DUCTWORK, IF APPLICABLE, SHALL BE WRAP-INSULATED WITH R-8 INSULATION. FLEX DUCT SHALL HAVE FACTORY-PROVIDED R-8 INSULATION. EXHAUST DUCTS NOT REQUIRED TO BE INSULATED.
16. AFTER THE INSTALLATION OF ALL DUCT WORK, DAMPERS, CONNECTIONS, ETC., HAS BEEN COMPLETED, THE CONTRACTOR SHALL COMPLETELY BALANCE EACH AIR HANDLING SYSTEM AND EXHAUST SYSTEM, SHALL KEEP A COMPLETE CHART AS APPROVED BY THE ENGINEER OF THE FINAL AIR QUANTITIES AS ACTUALLY MEASURED AT THE OUTLETS AND SHALL TURN THESE OVER TO THE OWNER.



**HVAC DEMOLITION NOTES:**

① REMOVE AND RELOCATE EXISTING SUPPLY DIFFUSER IN NEW OFFICE CEILING



**HVAC INSTALLATION NOTES:**

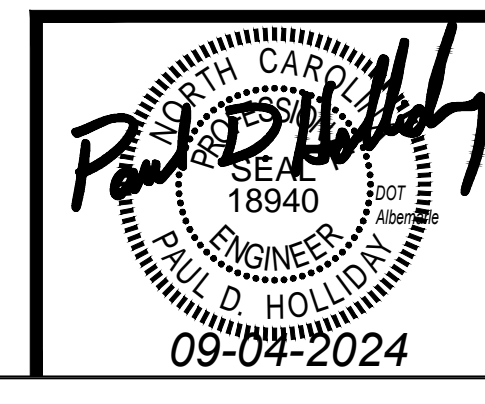
① EXISTING RELOCATED SUPPLY DIFFUSER IN NEW OFFICE CEILING. CLEAN DIFFUSER BEFORE REINSTALLING. EXTEND FLEXIBLE DUCT CONNECTION AS NECESSARY.

② PURCHASE AND INSTALL NEW SUPPLY DIFFUSER FOR NEW COPIER 116. NEW DIFFUSER TO MATCH EXISTING DIFFUSER TYPES. PROVIDE NEW SECTION OF FLEX DUCT TO CONNECT NEW DIFFUSER TO EXISTING SUPPLY DUCTWORK. INSTALL MANUAL VOLUME DAMPER WHERE NEW FLEX DUCT CONNECTS TO EXISTING SUPPLY DUCTWORK. NEW DIFFUSER AND FLEX SIZE TO MATCH NEW OFFICE 115.

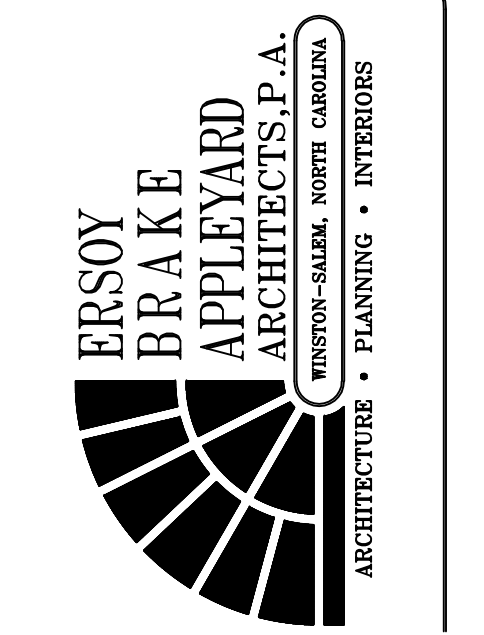
**M1.1-1**  
HVAC Demolition Plan  
scale: 1/8" = 1'

**M1.1-2**  
HVAC Floor Plan  
scale: 1/8" = 1'

**SCO # 24-28345-01A**



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**DIVISION 10 - MAIN OFFICE ALTERATIONS**  
**ALBEMARLE, NORTH CAROLINA**

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DATE: 09/04/2024  
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**M1.1** OF 1

# SYMBOLS LEGEND

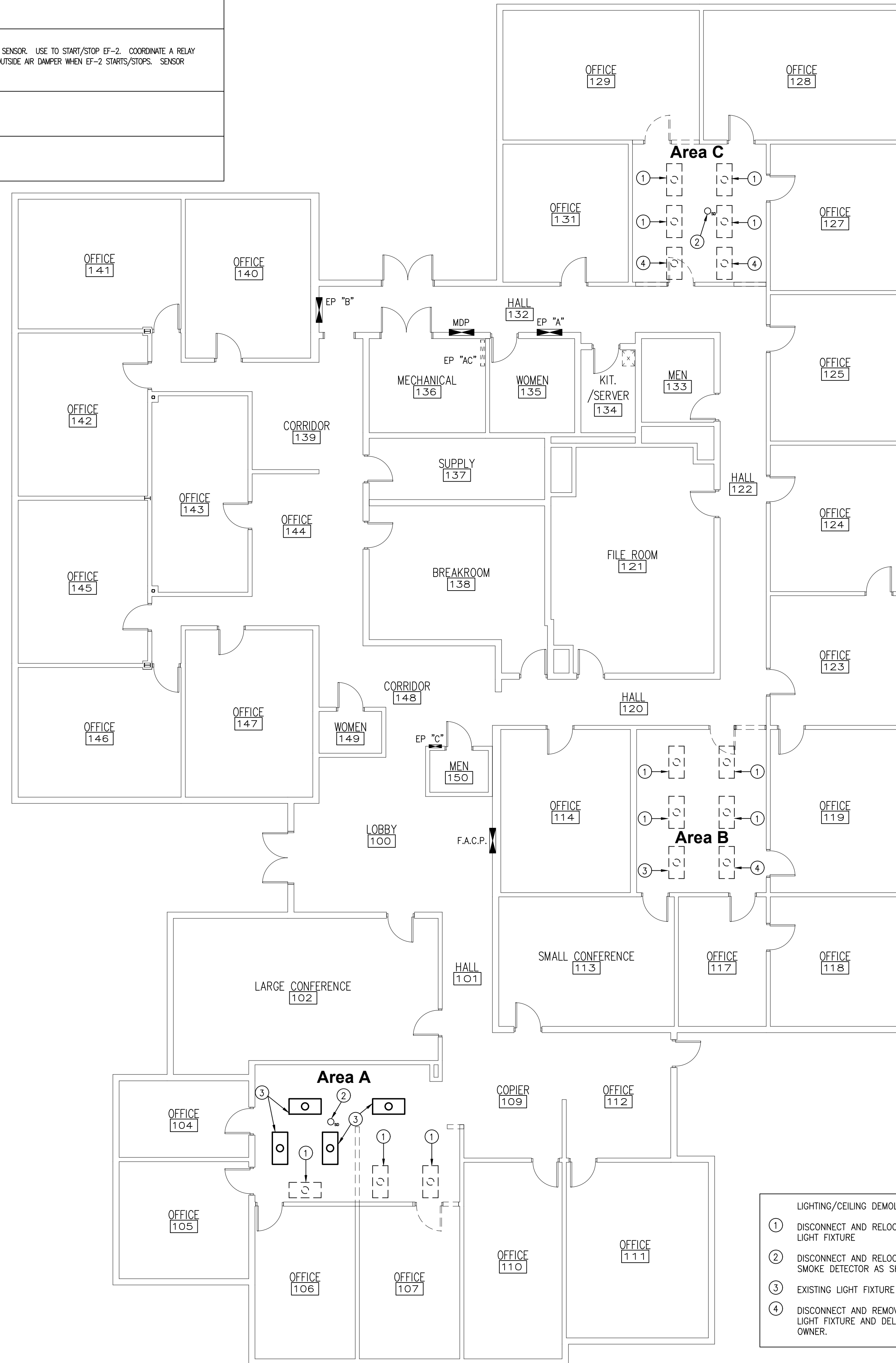
	DUPLEX RECEPTACLE. INSTALL 18" A.F.F. TO BOTTOM OF BOX OR AS OTHERWISE INDICATED IN THE DRAWINGS. NEMA 5-20R. (FLUSH MOUNTED) COLOR WHITE. GFI-GROUND FAULT INTERRUPTER, WP-WEATHERPROOF, XX=INCHES A.F.F.
	DOUBLE DUPLEX (OLD) RECEPTACLE. INSTALL TWO NEMA 5-20R IN A DOUBLE GANG BOX WITH SAME GFI, WP, XX INDICATIONS AS USED ABOVE.
	LIGHT SWITCH, 20 AMP, SIZE WIRE WITH GROUNDING SCREW. INSTALL 48" A.F.F. TO TOP OF BOX. (FLUSH MOUNTED) COLOR WHITE. S= SINGLE SWITCH, S3=3-WAY SWITCH
	2 POLE SWITCH, 20 AMP
	LEVITON 00510-DW, WALL MOUNT, LINE VOLTAGE MOTION SENSOR. INSTALL 48" A.F.F. TO TOP OF BOX. (FLUSH MOUNTED) COLOR - WHITE. SENSOR SHALL BE ADJUSTED TO HAVE A 30-MINUTE TIME DELAY TO "OFF." MS=3-WAY SWITCH
	ABOVE FINISHED FLOOR.
	DISCONNECT SWITCH WITH RATING INDICATED. PROVIDE ENCLOSURE SUITABLE FOR ENVIRONMENT IN WHICH SWITCH IS INSTALLED. FUSES BASED ON NAMEPLATE OF EQUIPMENT SERVED. DISCONNECT LABELS (VOLTS/AMPS/POLES/NEMA/TYPE)
	JUNCTION BOX SIZED PER NEC.
	CEILING MOUNT, LINE VOLTAGE, 120V, OCCUPANCY SENSOR. USE TO START/STOP EP-2. COORDINATE A RELAY WITH MECHANICAL CONTRACTOR TO OPEN/CLOSE OUTSIDE AIR DAMPER WHEN EP-2 STARTS/STOPS. SENSOR SHALL BE SET FOR 30-MINUTE DELAY TO "OFF"
	DATA OUTLET
	EXISTING / NEW SMOKE DETECTOR

### LIGHTING SCHEDULE

MARK	TYPE	LAMP	FIXTURE LUMENS	LAMP COLOR °K	VOLTS	FIXTURE INPUT WATTS	DISTRIBUTION OR LENS	DESCRIPTION	MODEL NUMBER
EML	EMERGENCY	LED	640	5000	120	5	NA	LED THERMOPLASTIC EMERGENCY LIGHT, WHITE, 2-HEADS, 3.3-WATTS EACH, HIGH OUTPUT NICKEL-CADMIUM BATTERY, SELF-DIAGNOSTIC, WITH LED INDICATOR, 90-MINUTE ILLUMINATION. WHITE	LITHONIA # QUANTUM ELMAL
XI	CEILING MOUNT EXIT SIGN SINGLE FACE ARROWS AS SHOWN	LED	NA	NA	120	5	EDGE-LIT	LED EXIT LIGHT, WHITE, 6" HIGH 3/4" STROKE, RED, DIRECTIONAL ARROWS AS NEEDED, CEILING MOUNT FLUSH FINISH, NICKEL-CADMIUM BATTERY, SELF-DIAGNOSTIC, 90-MINUTE ILLUMINATION.	LITHONIA # LQMS W 3 R MVOLT EL N SD

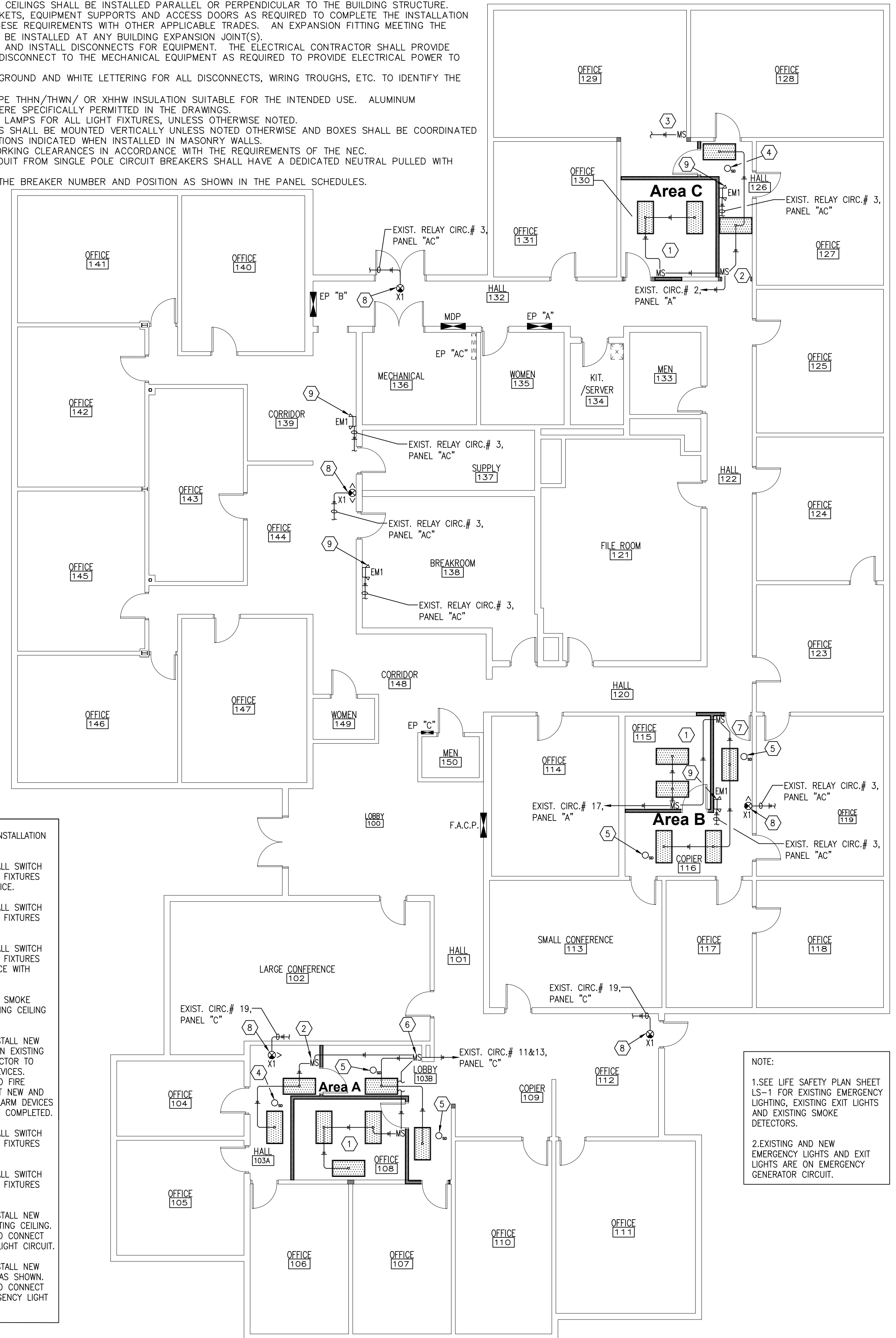
### ELECTRICAL NOTES:

- THE INSTALLATION SHALL COMPLY WITH THE 2020 NEC AND SHALL COMPLY WITH ALL OTHER STATE AND LOCAL CODES, AND MEET THE REQUIREMENTS OF THE 2018 NC ENERGY CONSERVATION CODE. THE DRAWINGS ARE THE MINIMUM INSTALLATION REQUIREMENTS WHEN THE CODE IS LESS STRINGENT.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING ALL ELECTRICAL INSPECTIONS, PAY ALL INSPECTION FEES, AND SUBMIT A COPY OF THE FINAL INSPECTION REPORT FOR THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY WORK AND MATERIALS FOR A COMPLETE WORKING ELECTRICAL SYSTEM AS SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WHETHER OR NOT DIRECTLY INDICATED. COORDINATE AND INSTALL THE ELECTRICAL REQUIREMENTS OF OTHER TRADES AS INDICATED ELSEWHERE IN THE DRAWINGS INCLUDING BUT NOT LIMITED TO THE SITE, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS THAT ALL BOXES, HANGERS, SUPPORTS BE PROVIDED BY THE ELECTRICAL CONTRACTOR, WHETHER SHOWN OR NOT, IN ORDER TO PROVIDE A FULLY OPERATIONAL, TESTED ELECTRICAL SYSTEM READY FOR THE OWNER'S USE. THE ELECTRICAL CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF THE SPECIFICATIONS PROVIDED IN THESE DRAWINGS.
- WHEN A NEW SERVICE IS NEEDED, THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL METERING EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS OF THE POWER COMPANY. COORDINATE THE REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE OWNER.
- ALL MATERIALS SHALL BE NEW, UL LABELED, AND USED ACCORDING TO THE LISTING OF THE MATERIAL FOR THE INTENDED PURPOSE, EXCEPT FOR EXISTING WORK THAT IS REUSED BUT MUST STILL BE UL LABELED AND LISTED.
- THE LOCATION AND ROUTE OF CONDUITS AND RACEWAYS IN THESE DRAWINGS ARE SCHEMATIC. ALL EXPOSED CONDUITS AND RACEWAYS AND ALL CONDUITS AND RACEWAYS ABOVE LAY-IN CEILINGS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE.
- PROVIDE ALL EXPANSION FITTINGS, PITCH POCKETS, EQUIPMENT SUPPORTS AND ACCESS DOORS AS REQUIRED TO COMPLETE THE INSTALLATION OF THE ELECTRICAL SYSTEM. COORDINATE THESE REQUIREMENTS WITH OTHER APPLICABLE TRADES. AN EXPANSION FITTING MEETING THE REQUIREMENTS OF THE SPECIFICATIONS SHALL BE INSTALLED AT ANY BUILDING EXPANSION JOINT(S).
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL DISCONNECTS FOR EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING TO ALL DISCONNECTS AND FROM THE DISCONNECT TO THE MECHANICAL EQUIPMENT AS REQUIRED TO PROVIDE ELECTRICAL POWER TO THE UNIT.
- PROVIDE PHENOLIC LABELS WITH BLACK BACKGROUND AND WHITE LETTERING FOR ALL DISCONNECTS, WIRING TROUGHS, ETC. TO IDENTIFY THE EQUIPMENT OR THE EQUIPMENT SERVED.
- ALL CONDUCTORS SHALL BE COPPER WITH TYPE THHN/THWN/ OR XHHW INSULATION SUITABLE FOR THE INTENDED USE. ALUMINUM CONDUCTORS MAY BE USED FOR FEEDERS WHERE SPECIFICALLY PERMITTED IN THE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE LAMPS FOR ALL LIGHT FIXTURES, UNLESS OTHERWISE NOTED.
- ALL DUPLEX RECEPTACLES AND DATA OUTLETS SHALL BE MOUNTED VERTICALLY UNLESS NOTED OTHERWISE AND BOXES SHALL BE COORDINATED TO THE NEAREST MASONRY JOINT FOR ELEVATIONS INDICATED WHEN INSTALLED IN MASONRY WALLS.
- ALL EQUIPMENT SHALL BE INSTALLED WITH WORKING CLEARANCES IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC.
- ANY MULTIPLE CIRCUIT RUN IN A SINGLE CONDUIT FROM SINGLE POLE CIRCUIT BREAKERS SHALL HAVE A DEDICATED NEUTRAL PULLED WITH EACH CIRCUIT.
- ALL HOMERUN CIRCUITS SHALL BE WIRE TO THE BREAKER NUMBER AND POSITION AS SHOWN IN THE PANEL SCHEDULES.



- #### LIGHTING/CEILING DEMOLITION NOTES:
- DISCONNECT AND RELOCATE EXISTING LIGHT FIXTURE
  - DISCONNECT AND RELOCATE EXISTING SMOKE DETECTOR AS SHOWN.
  - EXISTING LIGHT FIXTURE TO REMAIN.
  - DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND DELIVER TO OWNER.

- #### LIGHTING/CEILING INSTALLATION NOTES:
- INSTALL MOTION WALL SWITCH TO CONTROL LIGHT FIXTURES FOR THIS NEW OFFICE.
  - INSTALL MOTION WALL SWITCH TO CONTROL LIGHT FIXTURES FOR NEW HALLWAY.
  - INSTALL MOTION WALL SWITCH TO CONTROL LIGHT FIXTURES FOR EXISTING OFFICE WITH RELOCATED DOOR.
  - RELOCATE EXISTING SMOKE DETECTOR IN EXISTING CEILING TO THIS LOCATION.
  - PURCHASE AND INSTALL NEW SMOKE DETECTOR IN EXISTING CEILING. NEW DETECTOR TO MATCH EXISTING DEVICES. INSTALL CABLING TO FIRE ALARM PANEL. TEST NEW AND RELOCATED FIRE ALARM DEVICES WHEN INSTALLATION COMPLETED.
  - INSTALL MOTION WALL SWITCH TO CONTROL LIGHT FIXTURES FOR LOBBY 103B.
  - INSTALL MOTION WALL SWITCH TO CONTROL LIGHT FIXTURES FOR COPIER 116.
  - PURCHASE AND INSTALL NEW EXIT LIGHT IN EXISTING CEILING. INSTALL WIRING AND CONNECT TO EXISTING EXIT LIGHT CIRCUIT.
  - PURCHASE AND INSTALL NEW EMERGENCY LIGHT AS SHOWN. INSTALL WIRING AND CONNECT TO EXISTING EMERGENCY LIGHT CIRCUIT.

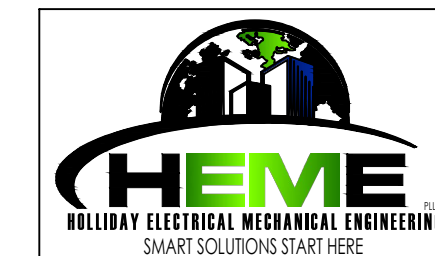
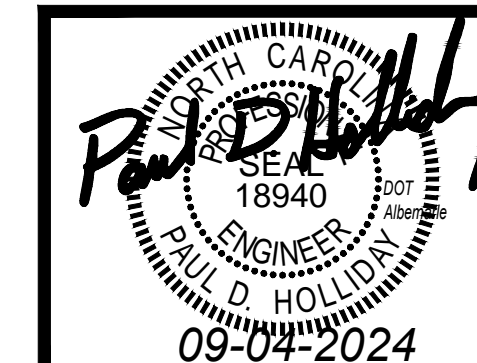


NOTE:  
 1. SEE LIFE SAFETY PLAN SHEET LS-1 FOR EXISTING EMERGENCY LIGHTING, EXISTING EXIT LIGHTS AND EXISTING SMOKE DETECTORS.  
 2. EXISTING AND NEW EMERGENCY LIGHTS AND EXIT LIGHTS ARE ON EMERGENCY GENERATOR CIRCUIT.

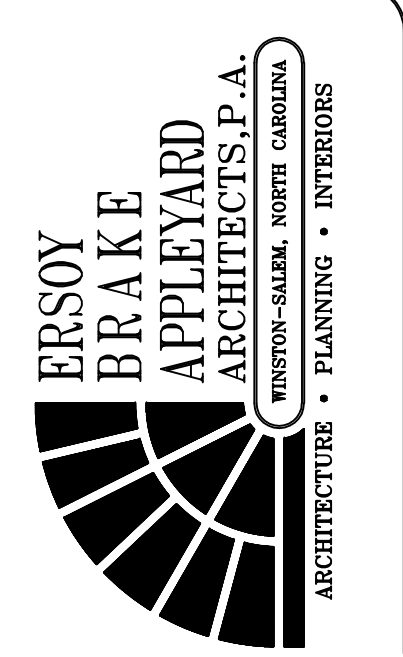
**E1.1-1**  
 Lighting / Ceiling Demolition Plan  
 scale: 1/8" = 1'

**E1.1-2**  
 Lighting / Ceiling Floor Plan  
 scale: 1/8" = 1'

**SCO # 24-28345-01A**



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 COMM: 2401  
 DATE: 09/04/2024  
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**E1.1** OF 2

PHASE LOAD			MAIN SIZE: 225A			120/208 V.A.C.			22,000 A.I.C.		
LOAD	EXIST.	EXIST.	1	2	20	LOAD	EXIST.	EXIST.	1	2	20
EX	EXISTING CHEMICAL PUMP		20	1	20	EX	EXISTING BOILER		EX		EX
EX	EXISTING RELAY #2		20	3	4	EX	EXISTING CONTROLS		EX		EX
EX	EXISTING CONFERENCE ROOM FAN		20	5	6	EX	EXISTING CONTROLS		EX		EX
EX	EXISTING OUTDOOR GFI		20	7	8	EX			EX		EX
EX	EXISTING SUMP HTR.		20	9	10	EX	EXISTING AC-1		EX		EX
EX			20	11	12	EX			EX		EX
EX			20	13	14	EX			EX		EX
EX	EXISTING AC UNIT #1		20	15	16	EX	EXISTING COOLING TOWER		EX		EX
EX			20	17	18	EX			EX		EX
EX			20	19	20	EX			EX		EX
EX	EXISTING AC UNIT #2		20	21	22	EX	EXISTING PUMP #1		EX		EX
EX			20	23	24	EX			EX		EX
EX			20	25	26	EX			EX		EX
EX	EXISTING AC UNIT #3		20	27	28	EX	EXISTING PUMP #2		EX		EX
EX			20	29	30	EX			EX		EX
EX			20	31	32	EX			EX		EX
EX	EXISTING AC UNIT #4		20	33	34	EX	EXISTING PUMP #3		EX		EX
EX			20	35	36	EX			EX		EX
EX	EXISTING HEAT BOX		20	37	38	EX	EXISTING HEAT BOX		EX		EX
EX	EXISTING HEAT BOX		20	39	40	EX	EXISTING HEAT BOX		EX		EX
EX	EXISTING SPACE		20	41	42	EX	EXISTING SPACE		EX		EX

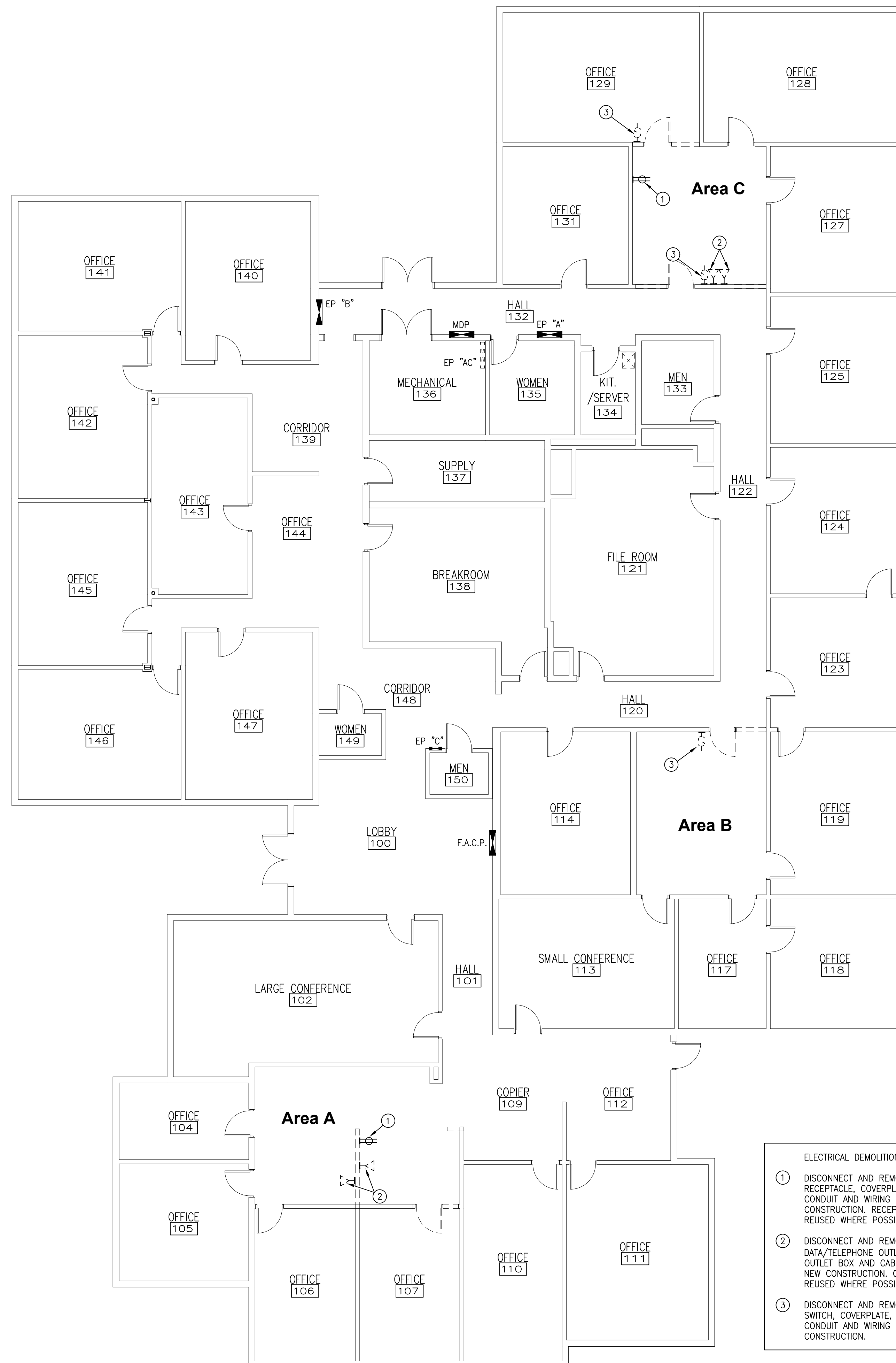
DIAGRAM OF EXISTING PANEL "AC"  
NO SCALE

PHASE LOAD			MAIN SIZE: 200A			120/208 V.A.C.			22,000 A.I.C.		
LOAD	EXIST.	EXIST.	a	b	c	LOAD	EXIST.	EXIST.	a	b	c
EX	EXISTING LIGHTING CIRCUIT		20	1	20	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	3	4	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	5	6	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	7	8	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	9	10	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	11	12	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	13	14	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	15	16	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING EXTERIOR LIGHTING CIRCUIT		20	17	18	EX	EXISTING EXTERIOR LIGHTS WITH BATTERY BACKUP		EX		EX
EX	EXISTING EXTERIOR LIGHTING CIRCUIT		20	19	20	EX	EXISTING RTU CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	21	22	EX			EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	23	24	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING SPARE		20	25	26	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING EXTERIOR POLE LIGHTS & SIGN		20	27	28	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING EXTERIOR POLE LIGHTS		20	29	30	EX	EXISTING HEAT PUMP CIRCUIT		EX		EX
EX	EXISTING SPACE		20	31	32	EX			EX		EX

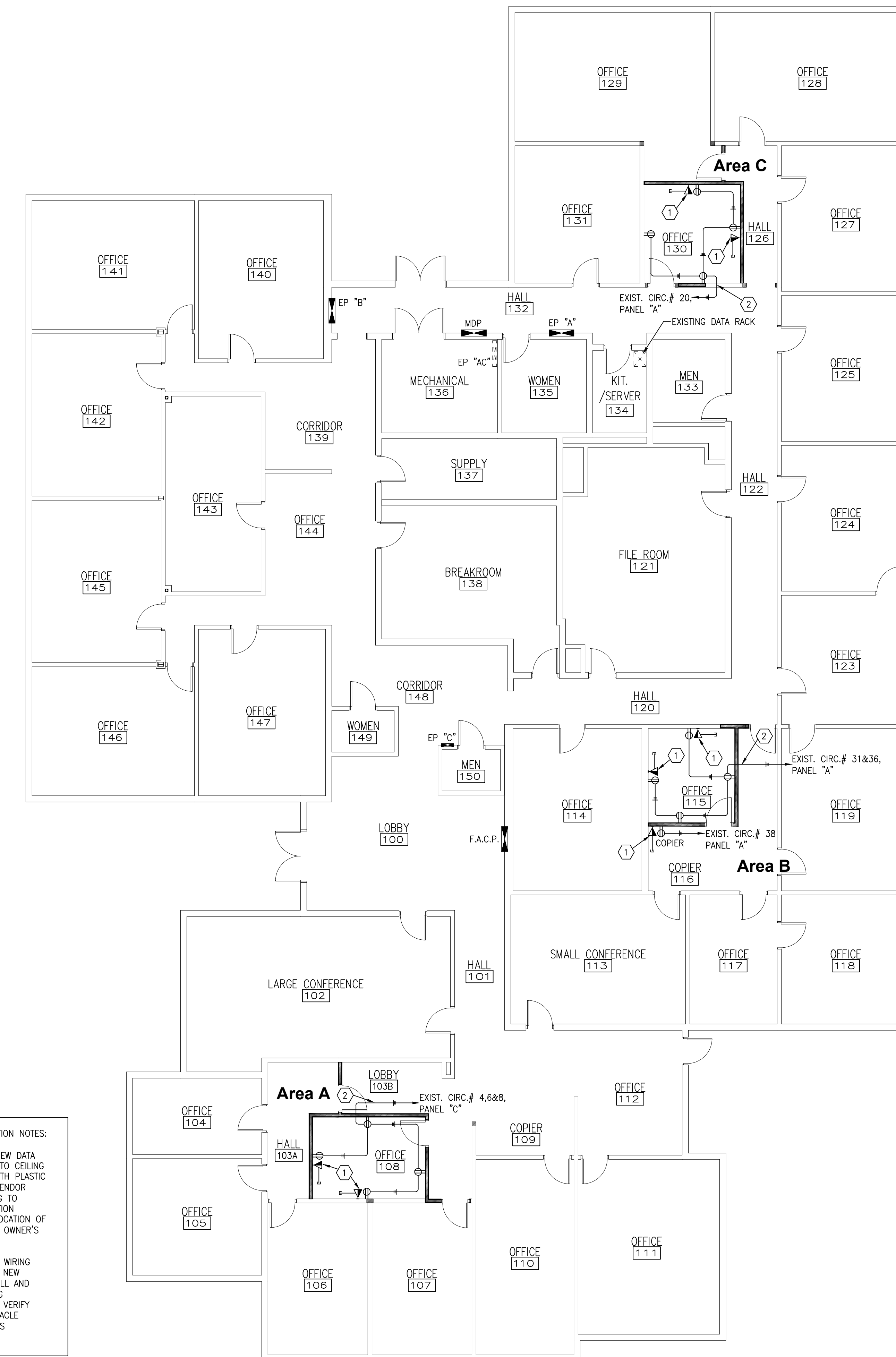
DIAGRAM OF EXISTING PANEL "C"  
NO SCALE

PHASE LOAD			MAIN SIZE: 225A			120/208 V.A.C.			22,000 A.I.C.		
LOAD	EXIST.	EXIST.	a	b	c	LOAD	EXIST.	EXIST.	a	b	c
EX	EXISTING LIGHTING CIRCUIT		20	1	20	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	3	4	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	5	6	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	7	8	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	9	10	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	11	12	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	13	14	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	15	16	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	17	18	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING LIGHTING CIRCUIT		20	19	20	EX	EXISTING LIGHTING CIRCUIT		EX		EX
EX	EXISTING SECURITY CARD READER CIRCUIT		20	21	22	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	23	24	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	25	26	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	27	28	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	29	30	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	31	32	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	33	34	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING RECEPTACLE CIRCUIT		20	35	36	EX	EXISTING RECEPTACLE CIRCUIT		EX		EX
EX	EXISTING TELEPHONE EQUIPMENT CIRCUIT		20	37	38	EX	EXISTING COPIER		EX		EX
EX	EXISTING TELEPHONE EQUIPMENT CIRCUIT		20	39	40	EX	EXISTING SPARE		EX		EX
EX	EXISTING TELEPHONE EQUIPMENT CIRCUIT		20	41	42	EX	EXISTING LIGHTING CIRCUIT		EX		EX

DIAGRAM OF EXISTING PANEL "A"  
NO SCALE



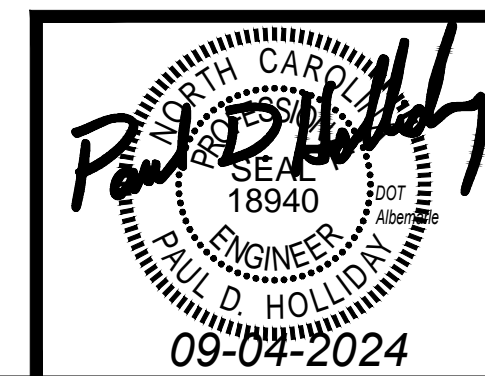
- ELECTRICAL DEMOLITION NOTES:
- DISCONNECT AND REMOVE EXISTING RECEPTACLE, COVERPLATE, OUTLET BOX, CONDUIT AND WIRING CLEAR OF NEW CONSTRUCTION. RECEPTACLE TO BE REUSED WHERE POSSIBLE.
  - DISCONNECT AND REMOVE EXISTING DATA/TELEPHONE OUTLET, COVERPLATE, OUTLET BOX AND CABLING CLEAR OF NEW CONSTRUCTION. OUTLET TO BE REUSED WHERE POSSIBLE.
  - DISCONNECT AND REMOVE EXISTING SWITCH, COVERPLATE, OUTLET BOX, CONDUIT AND WIRING CLEAR OF NEW CONSTRUCTION.



- ELECTRICAL INSTALLATION NOTES:
- 3/4" CONDUIT FROM NEW DATA OUTLET UP IN WALL TO CEILING SPACE. TERMINATE WITH PLASTIC BUSHING. OWNER'S VENDOR WILL INSTALL CABLING TO DESIGNATED TERMINATION LOCATION. VERIFY LOCATION OF OUTLET BASED UPON OWNER'S FURNITURE LAYOUT.
  - EXTEND NEW CIRCUIT WIRING AND CONDUIT WITHIN NEW AND/OR EXISTING WALL AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. VERIFY LOCATION OF RECEPTACLE BASED UPON OWNER'S FURNITURE LAYOUT.

E1.2-1  
Electrical Demolition Plan  
scale: 1/8" = 1'

E1.2-2  
Electrical Floor Plan  
scale: 1/8" = 1'



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 DIVISION 10 - MAIN OFFICE ALTERATIONS  
 ALBEMARLE, NORTH CAROLINA



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