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# DURHAM COUNTY ADMINISTRATION I BUILDING LEGAL SUITE RENOVATIONS

DURHAM, NORTH CAROLINA

100% CONSTRUCTION DRAWINGS FOR PERMIT  
FEBRUARY 13TH, 2026

## DESIGN TEAM

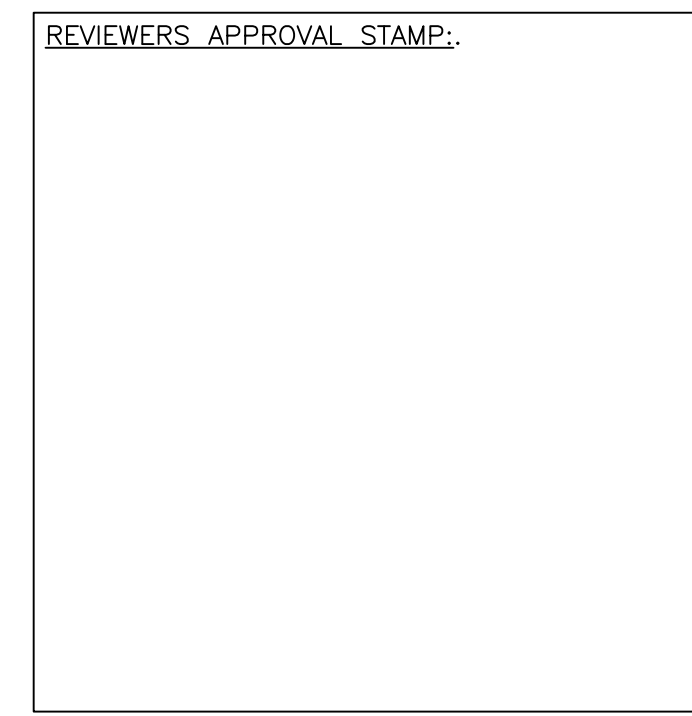
ARCHITECTURAL  
ELECTRICAL  
MECHANICAL

DTW ARCHITECTS & PLANNERS, LTD.  
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REVIEWERS APPROVAL STAMP:



### PROJECT DESCRIPTION

THIS PROJECT DIVIDES ONE LARGER OFFICE INTO TWO SMALLER ONES, AND RELOCATES A DOOR IN A THIRD OFFICE. THERE IS ASSOCIATED ELECTRICAL AND MECHANICAL WORK.  
THERE IS NO SITE WORK.

COVER SHEET  
DRAWING INDEX

RENOVATIONS TO:

DURHAM  
ADMINISTRATION  
BUILDING  
200 E. MAIN ST.

LEGAL  
SUITE  
RENOVATIONS

Durham, NC

PROJECT NUMBER:  
25006

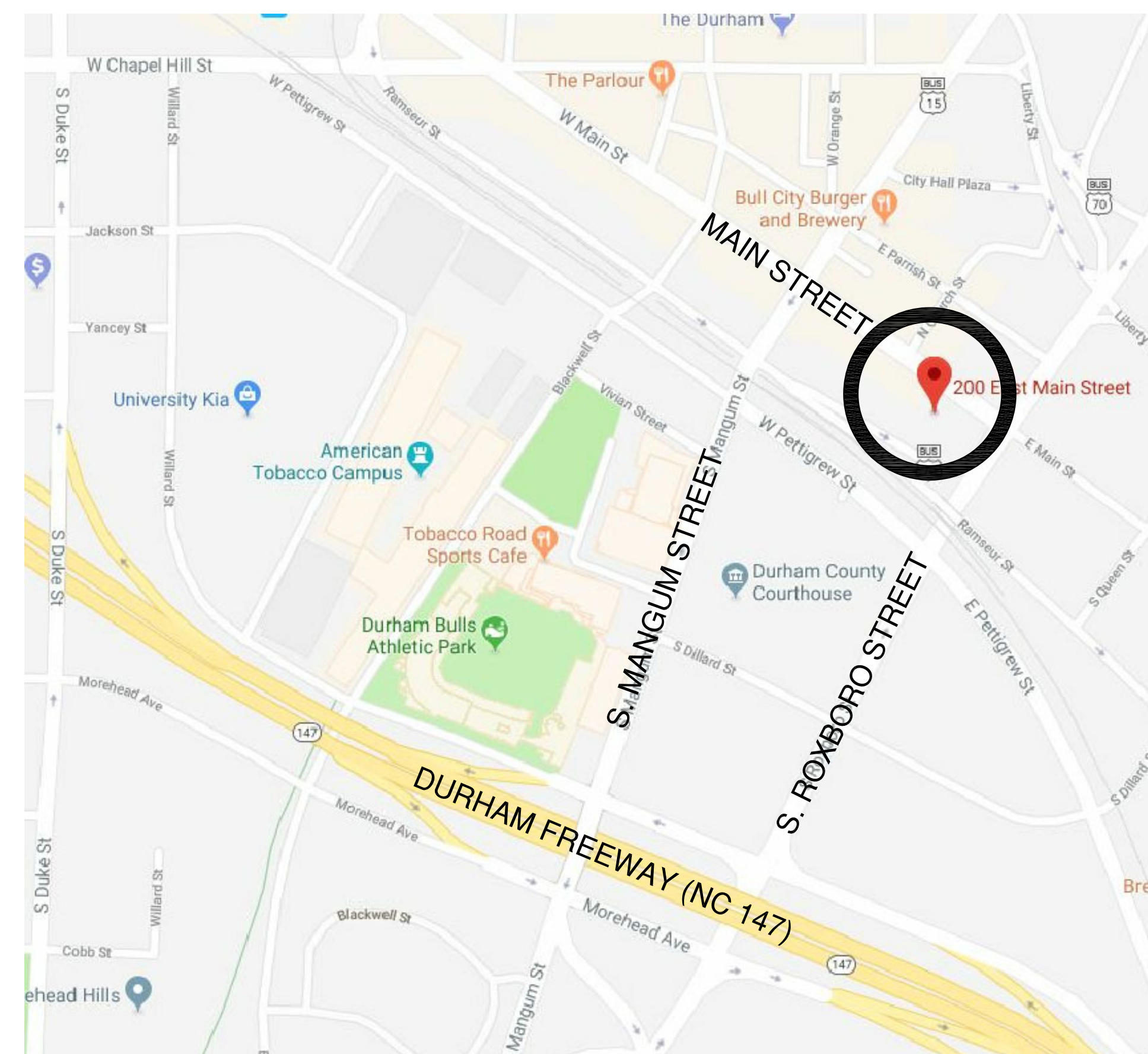
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Durham, NC 27707  
919.317.4020

100% CDs FOR PERMIT

Revisions  
Drawn S.O.S.  
Checked J.P.Y.  
Date FEBRUARY 13TH, 2025  
Sheet

T0

Of



LOCATION MAP

**APPENDIX B  
2018 BUILDING CODE SUMMARY  
FOR ALL COMMERCIAL PROJECTS  
(EXCEPT ONE AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)**

Name of Project: **DURHAM COUNTY ADMINISTRATION BUILDING: RENOVATIONS, LAWYER OFFICES**  
 Address: **200 E. MAIN STREET, DURHAM, NC** Zip Code **27701**  
 Owner or Auth. Agent: **DAN NOSBUSCH** Phone # **(919) 943-2268** Email **Dnosbusch@dcconc.gov**  
 Owner By:  City/County  Private  
 Code Enforcement Jurisdiction:  City **DURHAM**  County  State

**CONTACT: J. PAUL YOUNG, AIA**  
 DESIGNER FIRM NAME LICENSE # TELEPHONE # EMAIL  
 Architectural **DTW Architects & Planners, Ltd** J.P. YOUNG, AIA 11388 919.317.4020 JYoung@DTWArch.com  
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 Plumbing **Edmondson Engineers, P.A.** C. CROWL 028862 919.544.1936 Charles.Crowl@EdmondsonEngineers.com  
 Mechanical **Edmondson Engineers, P.A.** C. CROWL 028862 919.544.1936 Charles.Crowl@EdmondsonEngineers.com  
 Spr-Stand \_\_\_\_\_  
 Structural \_\_\_\_\_  
 Ret. Walls >5' High \_\_\_\_\_  
 Other \_\_\_\_\_

(\*Other should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)  
 2018 BUILDING CODE:  New Building  Shell/Core  1st Time Interior Completions  
 Addition  Phased Construction-Shell Core

2018 NC EXISTING BUILDING CODE:  Prescriptive  Alteration - Lvl 1  Historic Property  
 (check all that apply)  Repair  Alteration - Lvl 2  Change of Use  
 Chapter 14  Alteration - Lvl 3

CONSTRUCTED: **1916 & 1989** CURRENT USE(S): (Ch. 3): **OFFICES**  
 RENOVATED: **1989** PROPOSED USE(S): (Ch. 3): **OFFICES**  
 OCCUPANCY CATEGORY (Table 1004.5): Current: **BUSINESS II** Proposed: **BUSINESS II**

**BASIC BUILDING DATA**  
 Construction Type: (check all that apply)  I-A  II-A  III-A  IV  V-A  
 I-B  II-B  III-B  V-B  
 Sprinklers:  No  Partial  NFPA 13  NFPA 13R  NFPA 13D  
 Staircases:  No  Class  I  II  III  Wet  Dry  
 Primary Fire District:  No  Yes  Flood Hazard Area:  No  Yes  
 Special Inspections Required:  No  Yes

FLOOR	EXISTING (SQ FT)	RENOVATED (SQ FT)	NEW (SQ FT)	SUB-TOTAL
6th Floor				
5th Floor				
4th Floor Mezzanine				
4th Floor	11,232	771*	-0-	11,232
3rd Floor				
2nd Floor				
1st Floor				
Ground floor				
<b>TOTAL</b>				<b>104,804</b>

\* NOTE: THERE IS 104,804 SF IN THE WHOLE BUILDING, AND 11,232 SF ON THE ENTIRE 4TH FLOOR. SHOWN ABOVE IS THE SF IN THE AREA OF WORK ONLY.

**ALLOWABLE AREA**  
 Primary Occupancy Classification (s):  
 Assembly  A-1  A-2  A-3  A-4  A-5  
 Business       
 Educational   
 Factory  F-1 Moderate  F-2 Low  
 Hazardous  H-1 Detonate  H-2 Deflagrate  H-3 Combust  H-4 Health  H-5 HPM  
 Institutional  I-1  I-2  I-3  I-4  
 I-3 Condition  1  2  
 I-2 Condition  1  2  
 I-3 Condition  1  2  H-3 Combust  H-4 Health  H-5 HPM  
 Mercantile   
 Residential  R-1  R-2  R-3  R-4  
 Storage  S-1 Moderate  S-2 Low  High-piled  Parking Garage  
 Open  Enclosed  Repair Garage  
 Utility and Misc.

Accessory Occupancies Classification(s): **A-3**  
 Incidental Uses (Table 509): **BOILER ROOM**  
 This separation is not exempt as a Non-separated Use (see exceptions).  
 Special Uses (Chapter 4 - List Code Sections):  
 Special Provisions (Chapter 5 - List Code Sections):  
 Max Occupancy:  No  Yes Separation: \_\_\_\_\_ Hr. Exception: **508.3.2**  
 Non-separated Use (508.3)  
 Separated Use (508.4)--See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

STORY NO.	DESCRIPTION AND USE	(A) BLDG. AREA PER STORY (ACTUAL)	(B) TABLE 506.4 AREA	(C) AREA FOR FRONTAGE INCREASE 1.5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED* 3
GROUND	OFFICE	19,596	UNLIMITED		UNLIMITED
1	OFFICE	18,187	UNLIMITED		UNLIMITED
2	OFFICE	18,187	UNLIMITED		UNLIMITED
3	OFFICE	18,187	UNLIMITED		UNLIMITED
4	OFFICE	11,232	UNLIMITED		UNLIMITED
4 MEZZ*	OFFICE	8,183	UNLIMITED		UNLIMITED
5	OFFICE	11,232	UNLIMITED		UNLIMITED

\*NOTE 4 MEZZ IS NOT A MEZZANINE OPEN TO ANY OTHER FLOOR.  
 1. Frontage area increases from Section 506.2 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)  
 2. Unlimited area applicable under conditions of Sections 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. The maximum area of air traffic control towers must comply with Table 412.3.1.  
 5. Frontage Increase is based on the unsprinklered area value in Table 506.2.

	ALLOWABLE HEIGHT		
	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height to Face (Table 504.3)	<b>160</b>	<b>96</b>	
Building Height to Stories (Table 504.4)	<b>11</b>	<b>7</b>	

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL# AND SHEET#	DESIGN# FOR RATED ASSEMBLY	SHEET# FOR RATED PENETRATION	SHEET# FOR RATED JOINTS
		REQ'D	PROVIDED (W/ REDUCTIONS)				
Structure Frame, including Columns, Girders, Trusses		<b>3 HR**</b>	N/A			UL-N715	
Bearing walls							
Exterior		<b>3 HR</b>	N/A				
North		<b>3 HR</b>	N/A				
East		<b>3 HR</b>	N/A				
West		<b>3 HR</b>	N/A				
South		<b>3 HR</b>	N/A				
Interior		<b>3 HR</b>	N/A				
Nonbearing Walls and Partitions							
Exterior		<b>1 HR</b>	N/A				
North		<b>1 HR</b>	N/A				
East		<b>1 HR</b>	N/A				
West		<b>1 HR</b>	N/A				
South		<b>1 HR</b>	N/A				
Interior walls and partitions		<b>0</b>	N/A				
Floor construction including supporting beams and joists		<b>2 HR</b>	N/A			UL-N771	
Floor Ceiling Assembly		<b>2 HR</b>	N/A			UL-N771	
Columns Supporting Floors		<b>3 HR**</b>					
Roof construction including supporting beams and joists		<b>1-1/2 HR</b>	N/A				
Roof Ceiling Assembly				EXISTING			
Columns Supporting Roof		<b>3 HR**</b>					
Shafts Enclosures - Exit		<b>2 HR</b>	<b>2 HR</b>	EXISTING			
Shafts Enclosures - Other		<b>2 HR</b>	<b>2 HR</b>	EXISTING			
Corridor Separation		<b>0</b>	N/A				
Occupancy/Fire Barrier Separation		<b>0</b>	N/A				
Party/Fire Wall Separation		<b>0</b>	N/A				
Smoke Barrier Separation		<b>0</b>	N/A				
Smoke Partition		<b>0</b>	N/A				
Tenant/Dwelling Unit/Sleeping Unit Separation		<b>N/A</b>	N/A				
Incidental Use Separation	<b>BOILER ROOM</b>	<b>2 HR</b>	<b>2 HR</b>	EXISTING			

\*\*Indicate section number permitting reduction  
 \*\*EXISTING RATINGS PER 1992 DRAWINGS ARE: COLUMNS = 3HRS, BEAMS = 2HRS PER UL-N715, & GIRDERS = 3HRS.

FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
<b>15</b>	<b>UNPROTECTED NONSPRINKLERED</b>	<b>25</b>	<b>16</b>

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

**LIFE SAFETY PLAN REQUIREMENTS**  
 Life Safety Plan Sheet #: **T2, T3, T4, T5, T6, T7, T8**  
 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 occupancy load calculations (Table 1004.1.2)  
 Occupant loads for each area  
 Exit access travel distances (1017)  
 Common path of travel distances (Table 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

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

TOTAL # OF PARKING SPACES		TYPE A UNITS PROVIDED		TOTAL # ACCESSIBLE UNITS PROVIDED
LOT OR PARKING AREA	REQUIRED	REQUIRED	PROVIDED	
<b>TOTAL</b>				

USE	WATER CLOSETS						SHOWERS /TUBS	DRINKING FOUNTAINS
	Male	Female	Unisex	Family	ADA	Other		
EXISTING								
NEW								
REQUIRED								

**SPECIAL APPROVALS**  
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**ENERGY SUMMARY**  
 ENERGY REQUIREMENTS:  
 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 versus the annual energy cost for the proposed design.  
 Existing building envelope complies with code:  (If checked, the remainder of this section is not applicable.)  
 Exempt Building:  Provide code or statutory reference: \_\_\_\_\_  
 Climate Zone:  3A  4A  5A  
 Method of Compliance:  
 Energy Code:  Performance  Prescriptive  
 ASHRAE 90.1:  Performance  Prescriptive  
 Other:  Performance (specify source) \_\_\_\_\_

**THERMAL ENVELOPE:** (Prescriptive method only)  
**Roof/Ceiling Assembly (each assembly)**  
 Description of assembly **EXISTING**  
 U-Value of total assembly \_\_\_\_\_  
 R-Value of insulation \_\_\_\_\_  
 Skylights in each assembly \_\_\_\_\_  
 U-Value of skylight \_\_\_\_\_  
 Total square footage of skylights in each assembly \_\_\_\_\_  
**Exterior Walls (each assembly)**  
 Description of assembly **EXISTING**  
 U-Value of total assembly \_\_\_\_\_  
 R-Value of insulation \_\_\_\_\_  
 Openings (windows or doors with glazing) \_\_\_\_\_  
 U-Value of assembly \_\_\_\_\_  
 Solar heat gain coefficient \_\_\_\_\_  
 Projection factor \_\_\_\_\_  
 Door R-Values **EXISTING**

**Walls below grade (each assembly)** **N/A**  
 Description of assembly **EXISTING**  
 U-Value of total assembly \_\_\_\_\_  
 R-Value of insulation \_\_\_\_\_  
**Floors over unconditioned space (each assembly)** **N/A**  
 Description of assembly **EXISTING**  
 U-Value of total assembly \_\_\_\_\_  
 R-Value of insulation \_\_\_\_\_  
**Floors slab on grade** **EXISTING**  
 Description of assembly **EXISTING**  
 U-Value of total assembly \_\_\_\_\_  
 R-Value of insulation \_\_\_\_\_  
 Horizontal/vertical requirement \_\_\_\_\_  
 Slab heated \_\_\_\_\_

**DESIGN LOADS:**  
 Importance Factors: Wind (I<sub>w</sub>) \_\_\_\_\_  
 Snow (I<sub>s</sub>) **1.1**  
 Seismic (I<sub>e</sub>) **1.25**  
 Live Loads:  
 Roof **20** psf  
 Mezzanine **N/A** psf  
 Floor **100/80** psf  
 Ground Snow Load:  
 Wind Load: Basic Wind Speed **115** mph (ASCE-7)  
 Exposure Category **B**  
**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<sub>s</sub> **0.21** % S<sub>1</sub> **0.8** %  
 Site Classification (ASCE 7)  A  B  C  D  E  F  
 Data Source:  Field Test  Presumptive  Historical Data  
 Basic structural system (check one)  
 Bearing Wall  Dual w/ Special Moment Frame  
 Building Frame  Dual w/ Intermediate R/C or Special Steel  
 Moment Frame  Inverted Pendulum  
 Analysis Procedure:  Simplified  Equivalent Lateral Force  Dynamic  
 Architectural, Mechanical, Components anchored?  Yes  No  
 Seismic base shear: V<sub>x</sub> = \_\_\_\_\_ V<sub>y</sub> = \_\_\_\_\_  
**LATERAL DESIGN CONTROL:**  Earthquake  Wind  
**SOIL BEARING CAPACITIES:**  
 Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing capacity **2000** psf  
 Pile size, type, and capacity **N/A** psf

**STRUCTURAL DESIGN**  
 DESIGN LOADS:  
 Importance Factors: Wind (I<sub>w</sub>) \_\_\_\_\_  
 Snow (I<sub>s</sub>) **1.1**  
 Seismic (I<sub>e</sub>) **1.25**  
 Live Loads:  
 Roof **20** psf  
 Mezzanine **N/A** psf  
 Floor **100/80** psf  
 Ground Snow Load:  
 Wind Load: Basic Wind Speed **115** mph (ASCE-7)  
 Exposure Category **B**  
**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<sub>s</sub> **0.21** % S<sub>1</sub> **0.8** %  
 Site Classification (ASCE 7)  A  B  C  D  E  F  
 Data Source:  Field Test  Presumptive  Historical Data  
 Basic structural system (check one)  
 Bearing Wall  Dual w/ Special Moment Frame  
 Building Frame  Dual w/ Intermediate R/C or Special Steel  
 Moment Frame  Inverted Pendulum  
 Analysis Procedure:  Simplified  Equivalent Lateral Force  Dynamic  
 Architectural, Mechanical, Components anchored?  Yes  No  
 Seismic base shear: V<sub>x</sub> = \_\_\_\_\_ V<sub>y</sub> = \_\_\_\_\_  
**LATERAL DESIGN CONTROL:**  Earthquake  Wind  
**SOIL BEARING CAPACITIES:**  
 Field Test (provide copy of test report) \_\_\_\_\_ psf  
 Presumptive Bearing capacity **2000** psf  
 Pile size, type, and capacity **N/A** psf

**SYMBOLS AND NOTATIONS**  

<b>NAME</b>	<b>AREA NAME</b>		<b>CONCRETE MASONRY</b>
<b>(00)</b>	<b>AREA NUMBER</b>		<b>BRICK</b>
<b>(01)</b>	<b>DOOR TYPE OR NUMBER</b>		<b>CONCRETE</b>
<b>(02)</b>	<b>DRAWING NUMBER SHEET NUMBER</b>		<b>PLYWOOD</b>
<b>(03)</b>	<b>ELEVATION NUMBER &amp; DIRECTION OF VIEW SHEET NUMBER</b>		<b>FINISH WOOD</b>
<b>(04)</b>	<b>SECTION NUMBER &amp; DIRECTION OF VIEW SHEET NUMBER</b>		<b>BATT INSULATION</b>
<b>(05)</b>	<b>DETAIL NUMBER SHEET NUMBER</b>		<b>RIGID INSULATION</b>
<b>(06)</b>	<b>COLUMN LINE NUMBER</b>		<b>PLASTER, GYP. BD.</b>
<b>(07)</b>	<b>EQUIPMENT TYPE OR NUMBER</b>		<b>EARTH</b>
<b>(08)</b>	<b>CASEWORK TYPE OR NUMBER</b>		

**MECHANICAL SUMMARY**  
**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**  
**Thermal Zone**  
 Winter dry bulb \_\_\_\_\_  
 Summer dry bulb \_\_\_\_\_  
**Interior design conditions**  
 Winter dry bulb \_\_\_\_\_  
 Summer dry bulb \_\_\_\_\_  
 Relative humidity \_\_\_\_\_  
**Building heating load** \_\_\_\_\_  
**Building cooling load** \_\_\_\_\_  
**Mechanical Spacing Conditioning System**  
 Unitary  
 Description of unit \_\_\_\_\_  
 Heating efficiency \_\_\_\_\_  
 Cooling efficiency \_\_\_\_\_  
 Size category of unit \_\_\_\_\_  
 Boiler  
 Size category, if over size, state reason. \_\_\_\_\_  
 Chiller  
 Size category, if over size, state reason. \_\_\_\_\_  
**List equipment efficiencies** \_\_\_\_\_

**ELECTRICAL SUMMARY**  
**ELECTRICAL SYSTEM AND EQUIPMENT**  
**Method of Compliance**  
 Energy Code:  Prescriptive  Performance  
 ASHRAE 90.1:  Prescriptive  Performance  
**Lighting schedule (each fixture type)**  
 Lamp type required in fixture \_\_\_\_\_  
 Number of lamps in fixture \_\_\_\_\_  
 Ballast type used in the fixture \_\_\_\_\_  
 Number of ballasts in the fixture \_\_\_\_\_  
 Total wattage per fixture \_\_\_\_\_  
 Total interior wattage specified vs. allowed \_\_\_\_\_  
 Total exterior wattage specified vs. allowed \_\_\_\_\_  
**Additional Prescriptive Compliance**  
 506.2.1 More Efficient Mechanical Equipment  
 506.2.2 Reduced Maximum Power Density  
 506.2.3 Energy Recovery Ventilation Systems  
 506.2.4 Higher Efficiency Service Water Heating  
 506.2.5 On-site Supply of Renewable Energy  
 506.2.6 Automatic Daylighting Control Systems

**ABBREVIATIONS**  

AL.	at	LAM.	lamine
ALUM.	alternate	LAV.	lavatory
APPR.	aluminum	LTL.	lintel
BD.	approximate	LT. WT.	light weight
BLDG.	board	MAG.	magnetic
B.U.R.	building	MAS.	masonry
C.J.	built up roof	MAX.	maximum
C.J.	control joint	MECH.	mechanical
CLG.	ceiling	MIN.	minimum
CL.	clear	M.O.	masonry opening
C.M.U.	concrete masonry unit	M.R.	moisture resistant
COL.	column	M.T.	metal threshold
CONC.	concrete	MTL. or MET.	metal
CONT.	continuous	N.I.C.	not in contract
CONTR.	contractor	N.T.S.	not to scale
C.T.	ceramic tile	O.C.	on center
DIM.	dimension	OPN'G	opening
DN.	down	OPP.	opposite
DS.	downspout	PART.N.	partition

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EGRESS PLAN:  
FOURTH FLOOR

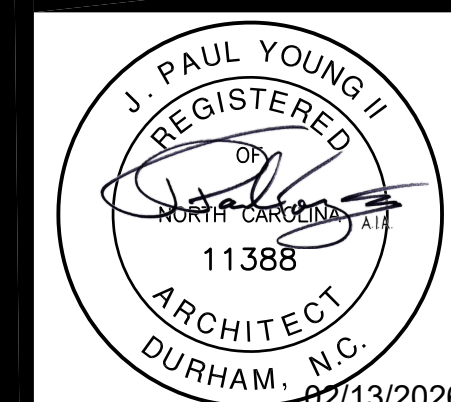
RENOVATIONS TO:

DURHAM ADMINISTRATION BUILDING  
200 E. MAIN ST.

LEGAL SUITE RENOVATIONS

Durham, NC

PROJECT NUMBER:  
25006



**DTW**  
Architects & Planners, Ltd.  
3333 Durham-Chapel Hill Blvd  
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919.317.4020

100% CDs FOR PERMIT  
Revisions

Drawn S.O.S.  
Checked R.L.S.  
Date FEBRUARY 13TH, 2025  
Sheet

T2

LEGEND

- — — — — EXISTING WALL
- ▤ ▤ ▤ ▤ ▤ NEW WALL

FIRE PROTECTION LEGEND

- ▤ ▤ ▤ ▤ ▤ 1 HOUR FIRE BARRIER
- ▤ ▤ ▤ ▤ ▤ 2 HOUR FIRE BARRIER

DOORS

- ⊕ EXISTING DOOR/  
SEE ALT G-4 & ALT G-5
- ⊖ NEW DOOR

SEE ALT G-4 & ALT G-5 FOR CHANGES IN EXISTING & NEW DOORS & FRAMES

- ⊗ EXIT SIGN - SEE ELECTRICAL

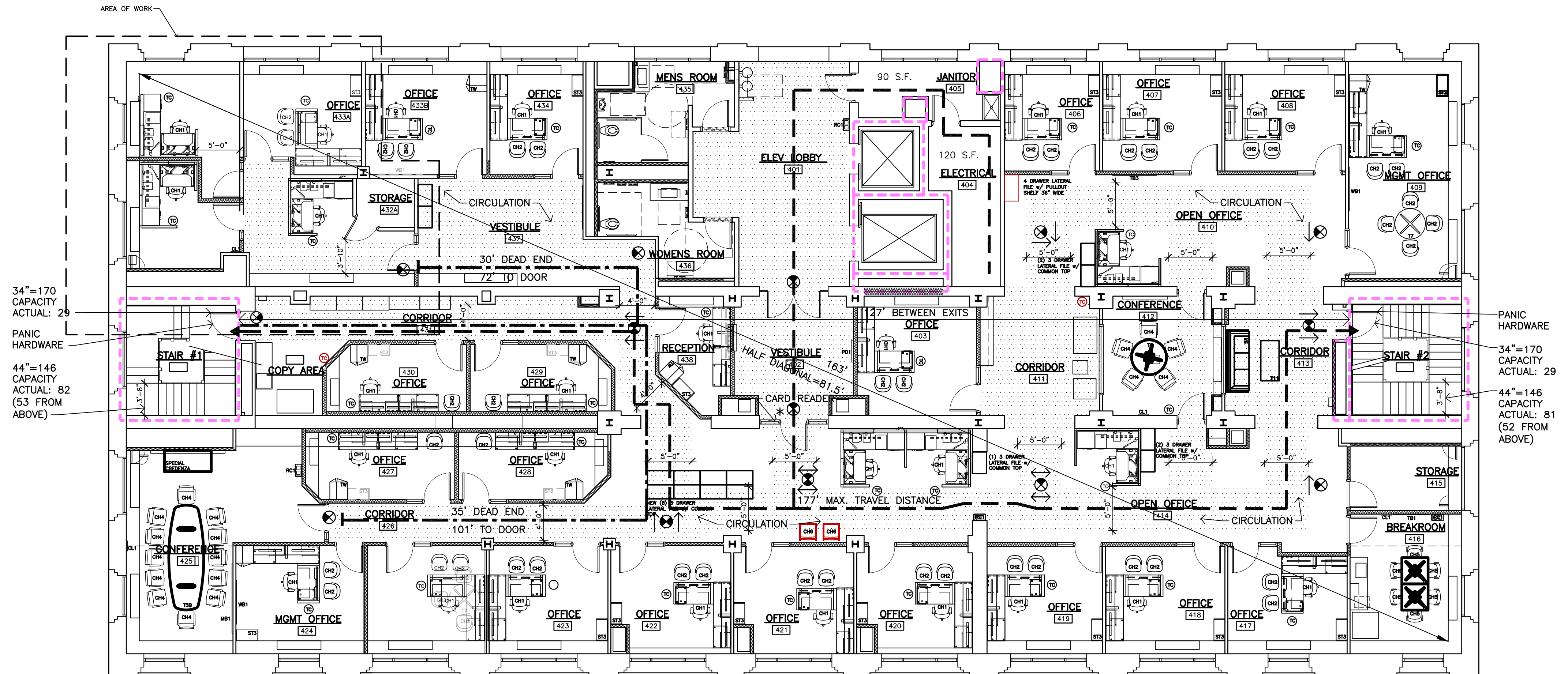
- ▤ ▤ ▤ ▤ ▤ CIRCULATION

OFFICE LESS CIRCULATION: 5,624 S.F. = 57 OCCUPANTS

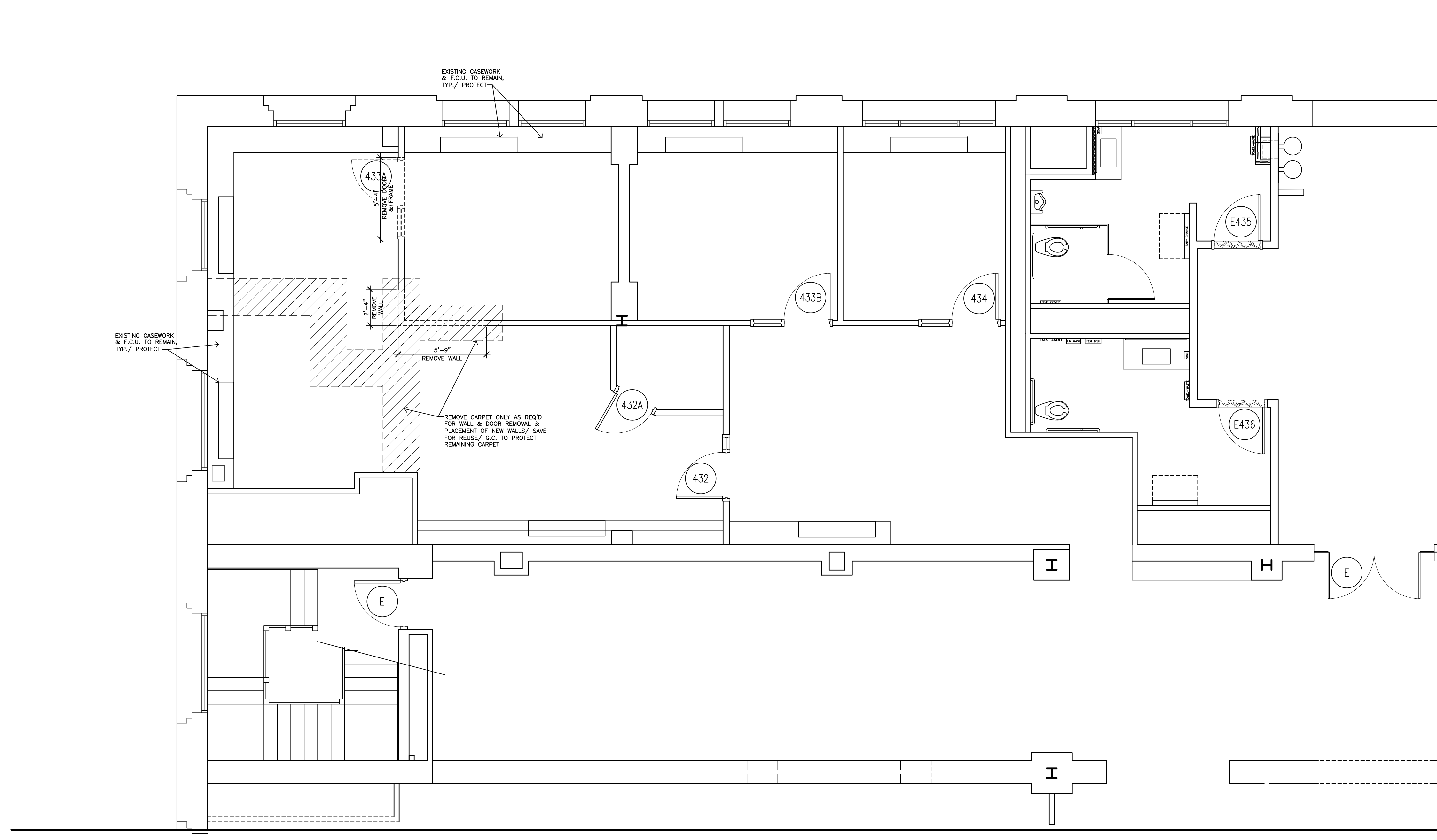
STORAGE: 210 S.F. = 1 OCCUPANT

TOTAL OCCUPANTS: = 58

\*SECURITY DOOR ON MAGNETIC LOCKS LINKED TO FIRE ALARM SYSTEM



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



**1 DEMOLITION PLAN**  
 SCALE: 1/4"=1'-0"

- GENERAL DEMOLITION NOTES:**
- 1) G.C. TO PROTECT ANY EXISTING TECHNOLOGY/ SECURITY/FIRE ALARM/INTERCOM/TV & ANY OTHER WIRING NOT ASSOCIATED W/ DEMOLITION.
  - 2) SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ASSOCIATED DEMOLITION.

**DEMOLITION PLAN**

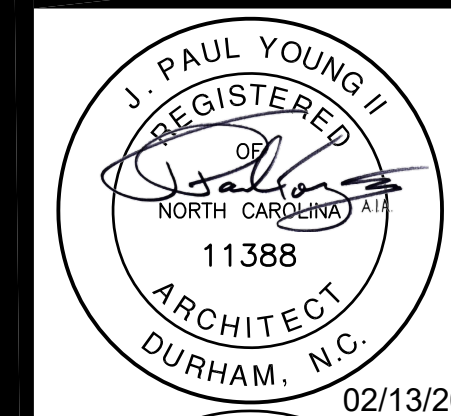
RENOVATIONS TO:

**DURHAM ADMINISTRATION BUILDING**  
 200 E. MAIN ST.

**LEGAL SUITE RENOVATIONS**

Durham, NC

PROJECT NUMBER:  
 25006



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FLOOR PLAN  
DOOR & FINISH SCHEDULES

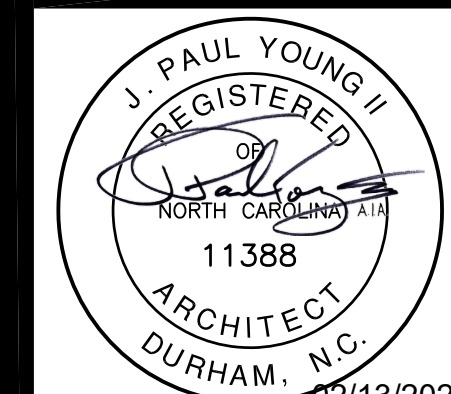
RENOVATIONS TO:

**DURHAM ADMINISTRATION BUILDING**  
200 E. MAIN ST.

**LEGAL SUITE RENOVATIONS**

Durham, NC

PROJECT NUMBER:  
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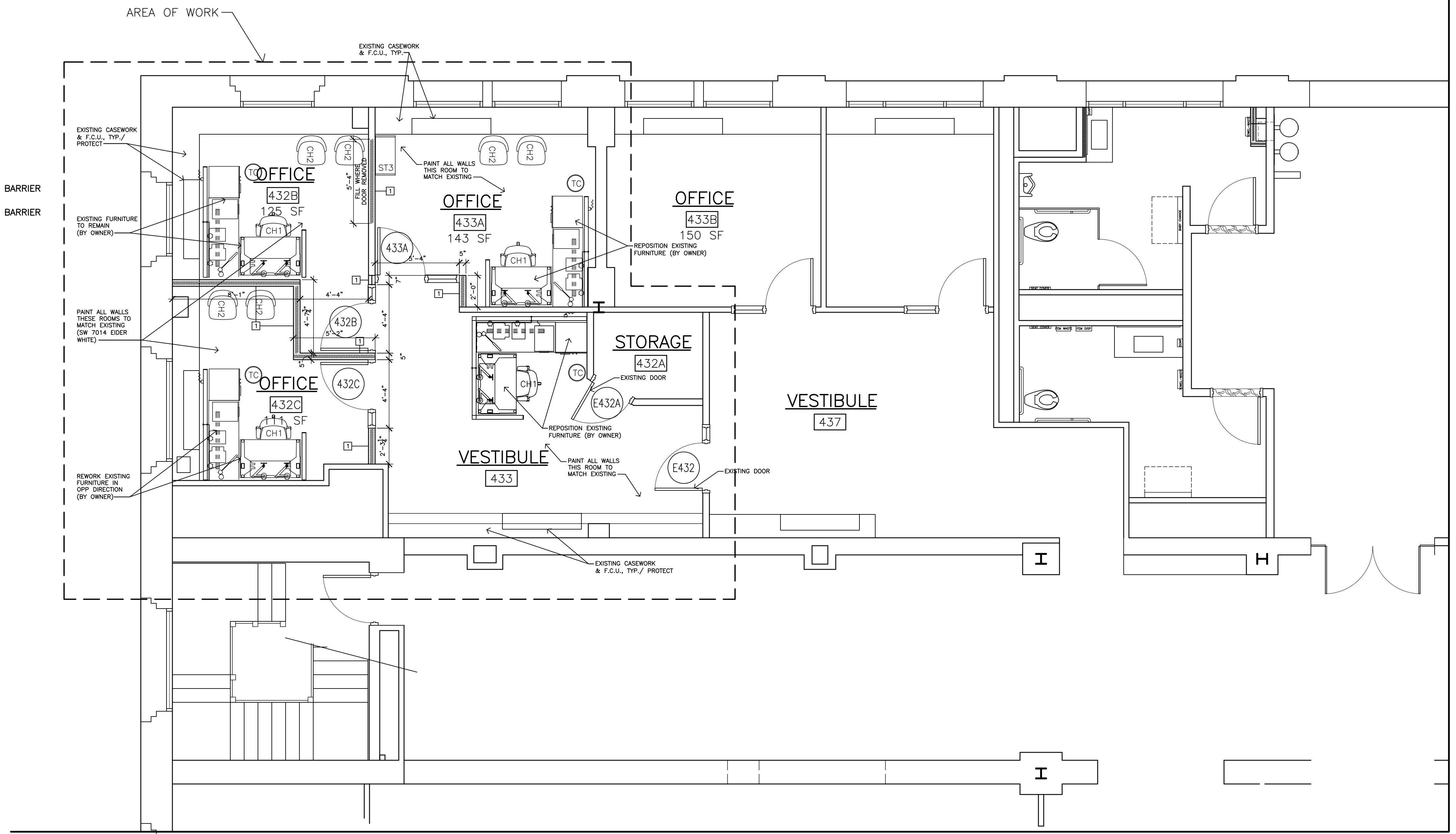
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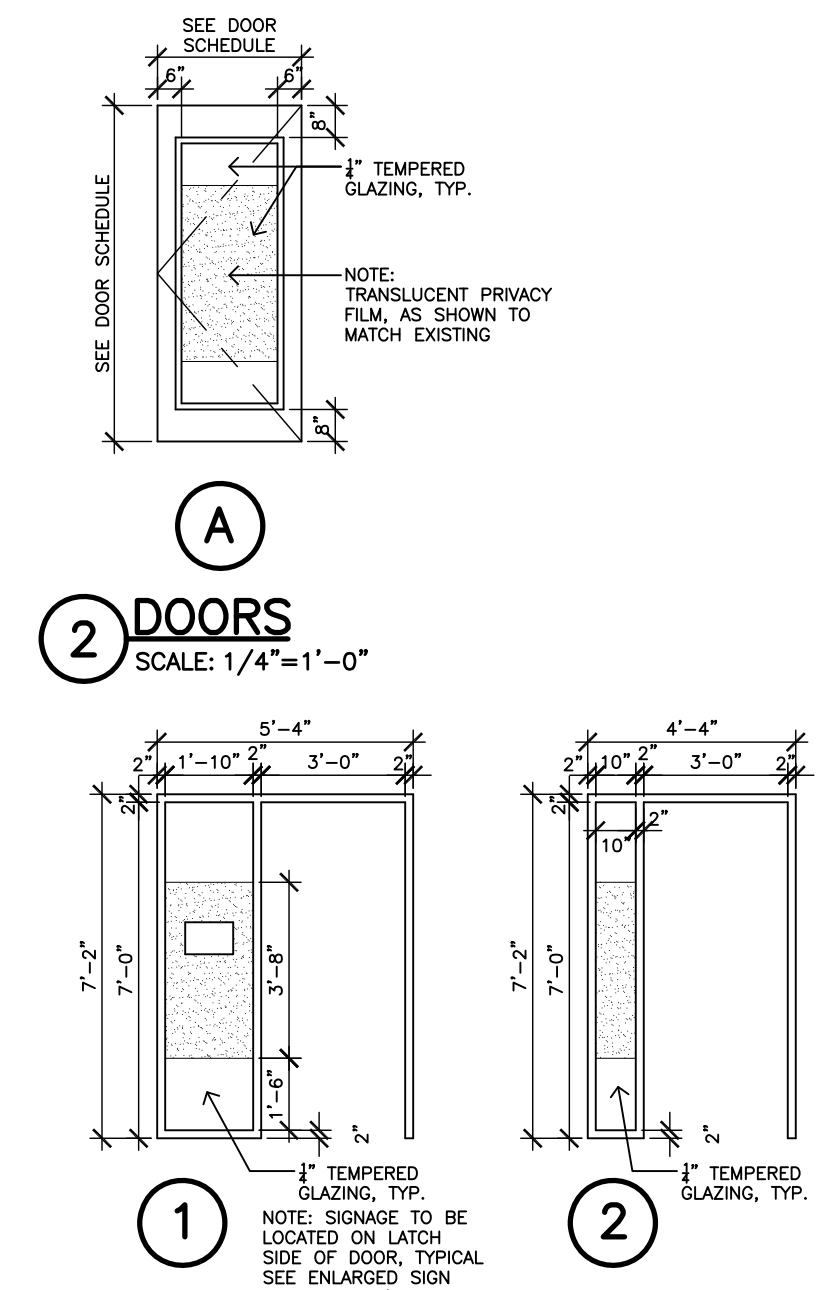
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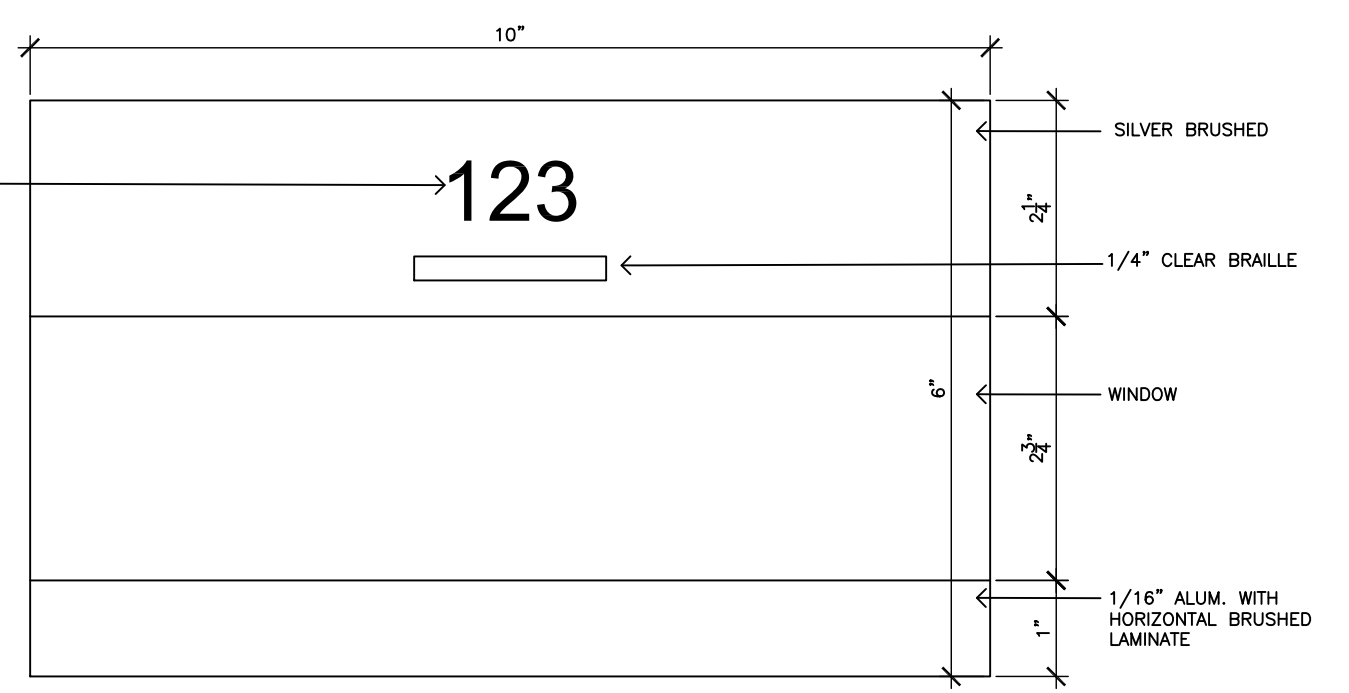
**A1**  
Of



- PARTITION TYPE LEGEND**
- - 3/8" MTL. STUDS AT 16" O.C. W/ 5/8" GYP. BD ON EACH SIDE/ FILL W/4" R-13 BATT INSULATION BETW/ STUDS/ PAINT.
- NOTE:** NEW PARTITIONS BETW/ OFFICES 432B & C TO EXTEND TO EXISTING PLASTER CEILING. NEW WALL BETWEEN 432 & 433 TO EXTEND TO EXISTING PLASTER BULKHEAD. INFILL WALL IN 433A TO EXTEND TO CEILING GRID.
- LEGEND**
- — — — — EXISTING WALL
  - ▨▨▨▨▨▨ NEW WALL
- FIRE PROTECTION LEGEND**
- ▬▬▬▬▬ - 1 HOUR FIRE BARRIER
  - ▬▬▬▬▬ - 2 HOUR FIRE BARRIER
- DOORS**
- ⊕ - EXISTING DOOR/
  - ⊙ - NEW DOOR



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



**4 SIGN ELEVATION**  
SCALE: 6"=1'-0"

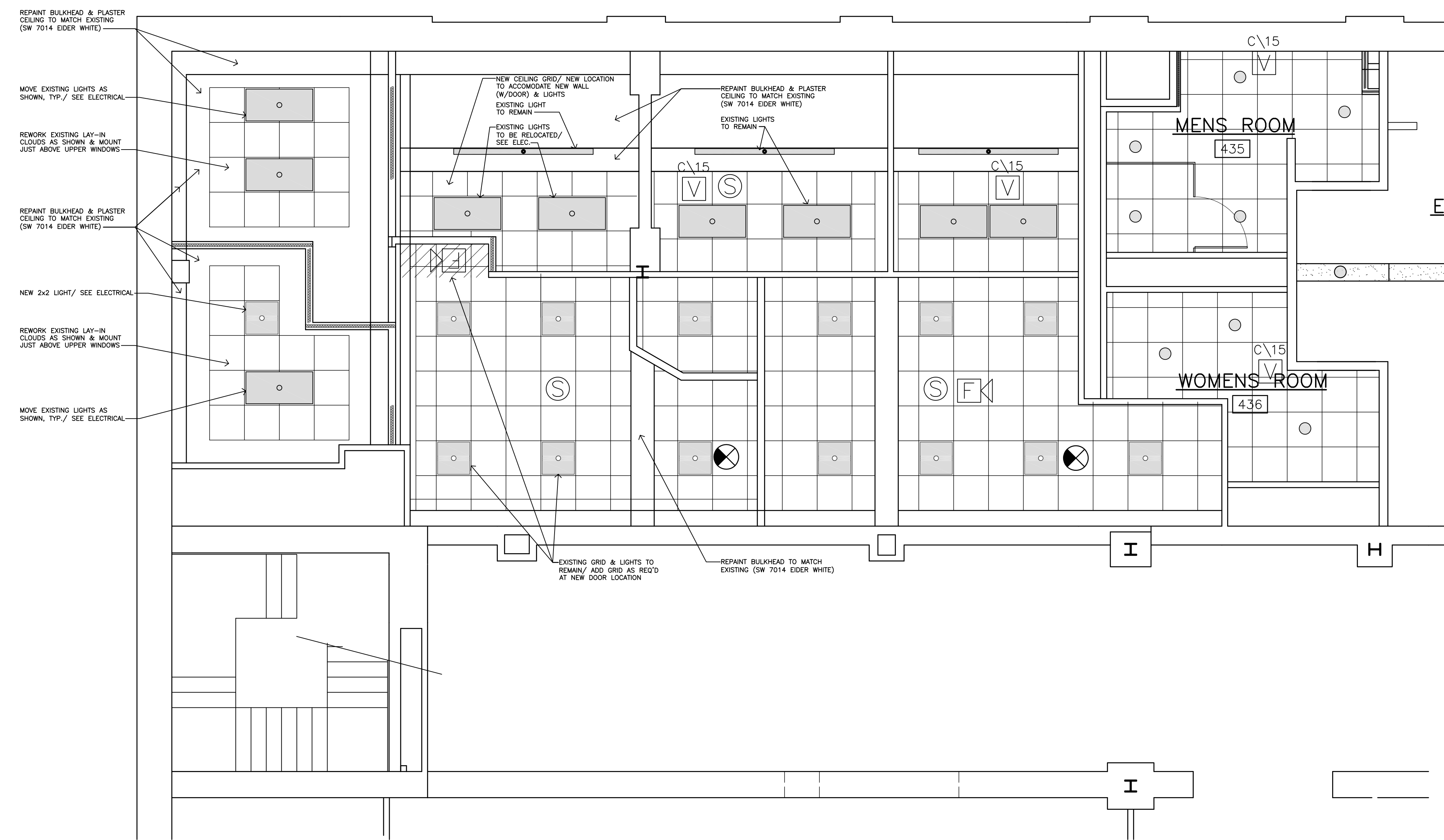
**1 FLOOR PLAN**  
SCALE: 1/4"=1'-0"

DOOR SCHEDULE													
DOORS							FRAMES						
DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	GLASS & GLAZING	LOUVER		FRAME TYPE	FRAME MATERIAL	JAMB	HEAD	SILL	LABEL	HARDWARE SET	NOTE
1	2			W	H								
432B	A	WD				B	HM						1
432C	A	WD				B	HM						1
433A	A	WD				A	HM						1

NOTES:  
 1) OFFICE DOORS TO HAVE KEY-ONLY LOCKS TO MATCH THE REST OF 4TH-FLOOR OFFICES.

FINISH SCHEDULE													
ROOM NUMBER	FLOOR MATERIAL	BASE			WALL MATERIAL	CEILING MATL.			CEILING HEIGHT	NOTE NUMBER			
		MATERIAL	WS	HT.		EXISTING PLASTER, PAINTED	EXISTING GYP. BD, PAINTED	NEW GYP. BOARD, PAINTED			2X2 LAY-IN ACT. CLOUD	EXIST PLASTER PAINT	EXISTING LAY-IN
1	18"X36" CARPET TILE												
		1											
			1										
				1									
					1	2	3		1	2			1,2,3,4
					1	2	3		1	2			1,2,3,4
					1	2	3		1	3			1,2,4
					1	2	3		1	2			1,2,4

NOTES:  
 1) CARPET TILE TO MATCH EXISTING. REMOVE EXISTING TILES ONLY AS REQUIRED FOR DEMO, NEW WALLS & DOORS. GC TO PROTECT REMAINING CARPET.  
 2) VINYL BASE TO MATCH EXISTING (CONFIRM 'FLEXCO 095 GUNMETAL'); PATCH IN TO EXISTING AS REQUIRED.  
 3) IN OFFICES 432B & 432C, EXISTING CLOUD WITH LAY-IN TO BE REWORKED AS SHOWN ON CEILING PLAN. ADDITIONAL NEW AXIOM TRIM WILL BE REQUIRED. LOWER REWORKED CLOUDS SO THEY ARE JUST ABOVE UPPER WINDOWS. CONFIRM HEIGHT WITH ARCHITECT IN FIELD.  
 4) EXISTING PAINT COLOR IS 'SHERWIN-WILLIAMS 7014 EIDER WHITE' CONFIRM THIS COLOR IN FIELD BEFORE USE.



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

CEILING PLAN

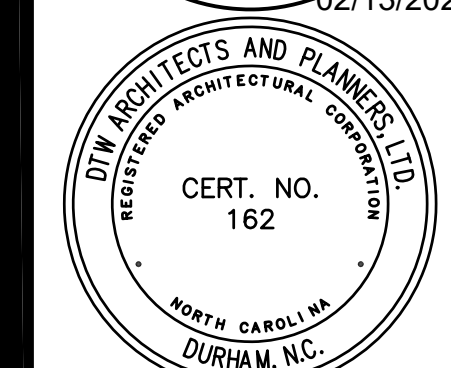
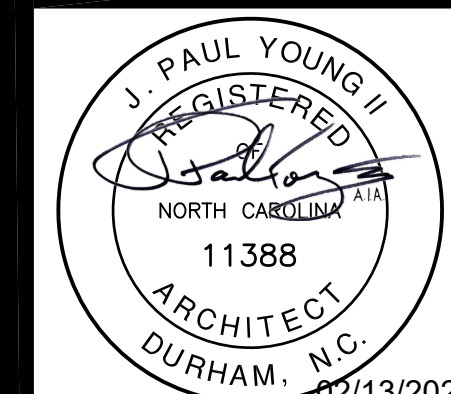
RENOVATIONS TO:

DURHAM ADMINISTRATION BUILDING  
 200 E. MAIN ST.

LEGAL SUITE RENOVATIONS

Durham, NC

PROJECT NUMBER: 25006



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**MECHANICAL SPECIFICATIONS**

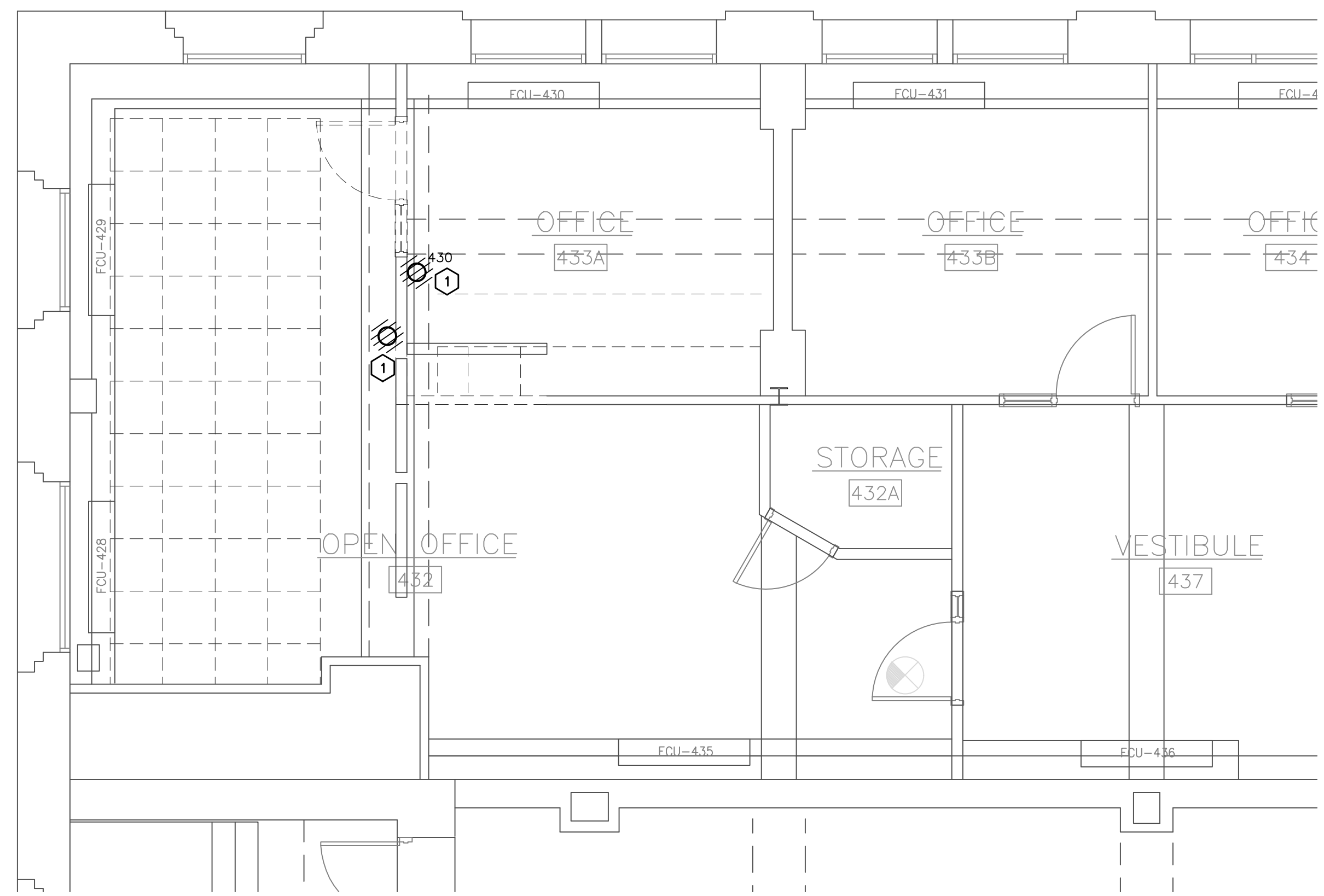
- 1.0 GENERAL:**
- 1.1 Provide all work, equipment, services, labor, and materials necessary for the construction of new mechanical systems as described or implied by the contract documents.
  - 1.2 The drawings are diagrammatic and are not intended to include every detail of construction, materials, and equipment. Take actual field measurements at the job site in lieu of scaling the drawings.
  - 1.3 Review the contract documents of all trades and coordinate all work with the other trades as necessary to avoid conflicts and interferences.
  - 1.4 Visit the site of this project and become thoroughly familiar with all existing field conditions.
  - 1.5 All work and materials shall comply with applicable state, local, and national codes (including OSHA). Compliance with the latest edition of the North Carolina State Building Code and these specifications shall be the absolute minimum standard of acceptance.
  - 1.6 Obtain and pay for any and all required permits.
  - 1.7 Locations shown for ductwork, equipment, piping, valves, devices, etc., are diagrammatic. Adjustments in these locations shall be made by the Contractor to fully coordinate with the space conditions. Install all equipment so that all code-required and manufacturer-recommended servicing clearances are maintained.
  - 1.8 Provide only new materials and equipment listed and labeled (for the use intended) by an approved third-party laboratory service such as Underwriter's Laboratories, Inc.
  - 1.9 All construction materials shall be noncombustible, FM Approved, or Class 1. Indicate compliance in submittals.
  - 1.10 Submit shop drawings and catalog data for air distribution, insulation, and equipment.
- 2.0 (NOT USED)**
- 3.0 (NOT USED)**
- 4.0 (NOT USED)**
- 5.0 (NOT USED)**
- 6.0 (NOT USED)**
- 7.0 (NOT USED)**
- 8.0 PROJECT CLOSEOUT**
- 8.1 Prior to end of construction, furnish to the Engineer electronic and four (4) bound and indexed sets of maintenance and operating instructions, parts lists, electrical wiring diagrams, balance data, and manufacturer's literature sufficient for operation and complete maintenance of all equipment by the Owner. Include phone numbers and addresses of parts suppliers / service companies including internet addresses. Copies of all test reports, including any failed tests, approved submittals, and shop drawings shall be included in the Maintenance Manuals.
  - 8.2 It is intended that the documentation provided in maintenance manuals, along with as-built drawings, shall be complete and detailed enough to permit and facilitate troubleshooting, engineering analysis, and design work for future changes, without extensive field investigations and testing. Manuals shall be prepared so as to explain system operation and equipment to those not acquainted with the job.
  - 8.3 Manuals shall clearly identify on the front cover the building or project name, project number, applicable trade, approximate date of completion (month and year) and contractor's name.
  - 8.4 Manuals shall be organized into well defined and easy to locate sections. A complete table of contents shall be provided at the front indicating the section or page number for each system, subsystem, or supplier/manufacturer.
  - 8.5 Submit record as-built drawings for all trades.
  - 8.6 Manuals shall include complete information and diagrams on all controls, indicators, sensors, and signal sources. Control diagrams are to show the locations of components and major equipment by room number or other identification when room numbers are not applicable. Locations of out-of-sight components, such as duct mounted sensors, flow switches, etc. should be clearly indicated. Control diagrams must include identification of components by make and model number, operating ranges, recommended set points, reset schedules, and other job-specific data useful for troubleshooting, calibration and maintenance. Complete narrative descriptions of operating sequences of control systems and subsystems shall be included on the prints adjacent to the corresponding schematics. Catalog data and cuts shall be clearly marked to indicate model numbers, sizes, capacities, operating points, and other characteristics of each item used. This should include accessories or special features provided. Where various sizes or variations of a series or model are used, documents should clearly show which are used and where. Where quantities are appropriate, schedule of usage should be provided. Maintenance literature shall include complete information for identifying and ordering replacement parts, such as illustrated parts breakdowns.
- 9.0 INSTRUCTIONS AND TRAINING FOR THE OWNER:**
- 9.1 Conduct a maintenance and operational instruction session for the Owner.
  - 9.2 Instruction Program: Submit outline of instructional program for demonstration and training, including a list of training modules and a schedule of proposed dates, times, length of instruction time, and instructors' names for each training module. Include learning objective and outline for each training module.
  - 9.3 Engage a qualified facilitator to prepare the instruction program and to coordinate qualified instructors. Include operational requirements, review of documentation, emergency instructions (as applicable), adjustments, troubleshooting, maintenance, and repairs.
- 10.0 INTERRUPTION OF SERVICES:**
- 10.1 Schedule any and all interruptions of services with the building owner. A minimum of 48-hour notice is required for any interruption of service. All such interruptions and "tie in" to existing systems shall be performed without shutting down the system.

**GENERAL NOTES**

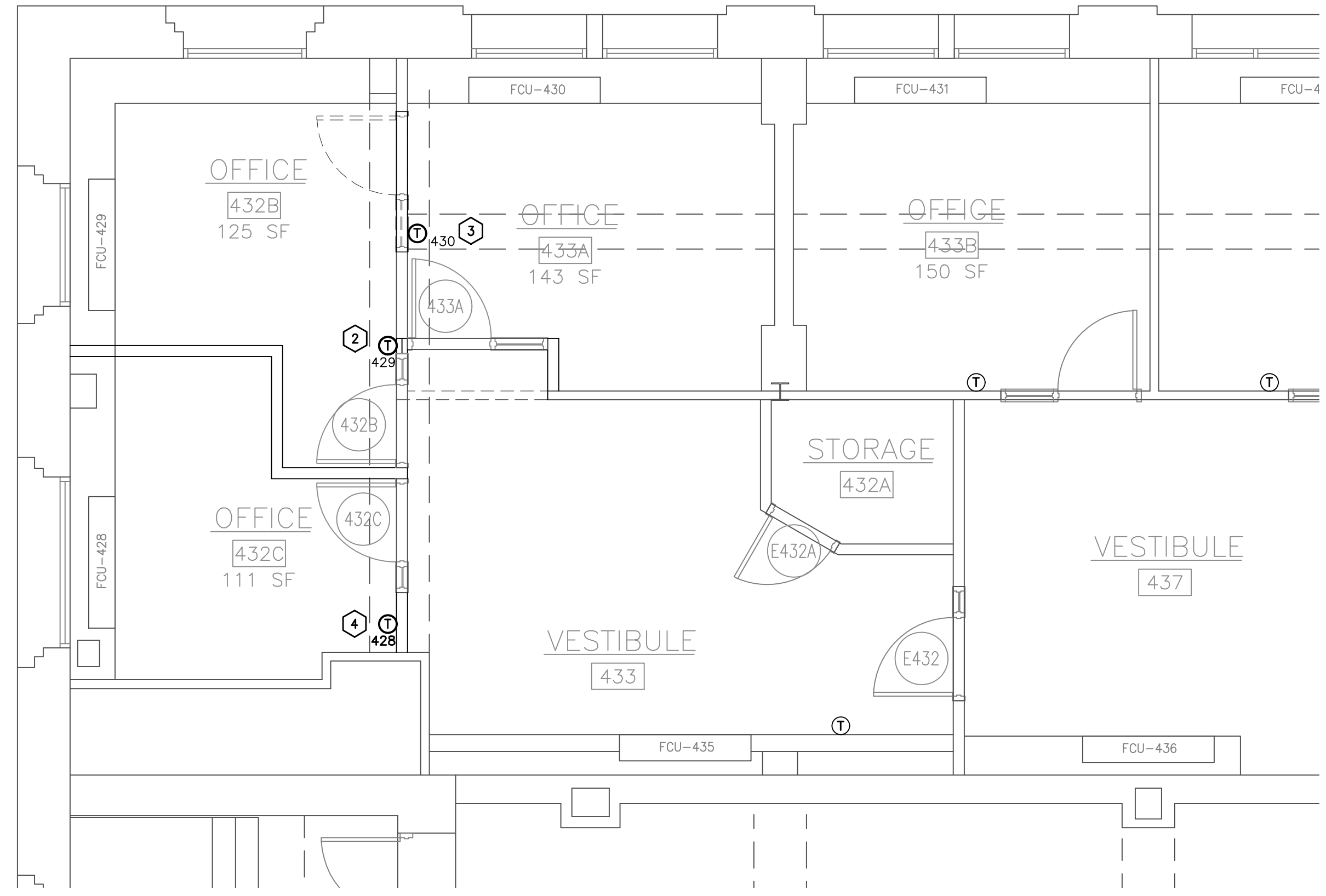
1. VERIFY EVERY ASPECT OF THE PROPOSED WORK AS DESCRIBED OR IMPLIED BY THE CONTRACT DOCUMENTS.
2. IN THE EVENT THE CONTRACTOR CHOOSES TO USE PRODUCTS OTHER THAN THE BASIS OF DESIGN, HE ASSUMES FULL RESPONSIBILITY FOR COORDINATION AND INTEGRATION OF SUCH ITEMS. THE FUNCTIONAL DESIGN INTEGRITY OF ALL SYSTEMS AND COMPONENTS SHALL BE MAINTAINED. VOLTAGES, LOADS, WIRE SIZES AND QUANTITIES, DISCONNECT SWITCHES AND FUSE SIZES, PHYSICAL SIZE, LOCATIONS, CLEARANCES, ETC. SHALL BE FULLY COORDINATED BY THE ELECTRICAL CONTRACTOR AND SHALL BE HIS RESPONSIBILITY. ANY ADDITIONAL COST RESULTING FROM SAID SUBSTITUTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. PROVIDE ONLY NEW MATERIALS WITHOUT DEFECTS AND OF THE HIGHEST QUALITY OF THEIR SPECIFIED CLASS AND KIND.
4. INSTALL ALL EQUIPMENT SO THAT ALL CODE-REQUIRED AND MANUFACTURER-RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED. ADJUSTMENTS IN THESE LOCATIONS SHALL BE MADE BY THE CONTRACTOR TO FULLY COORDINATE WITH BUILDING CONDITIONS. MAINTAIN A MINIMUM OF 3FT CLEARANCE AROUND EQUIPMENT FOR SERVICING.
5. ALL ITEMS THAT REQUIRE ACCESS, I.E. FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE INCLUDING BUT NOT LIMITED TO ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS, AND CONTROL DEVICES.
6. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE MECHANICAL DRAWINGS REGARDING BUILDING CONSTRUCTION, DIMENSION AND ARRANGEMENT. LINES THAT REQUIRE SLOPE, SUCH AS PLUMBING WASTE LINES SHALL TAKE PRECEDENCE OVER ELECTRICAL LINES. CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL TRADES TO AVOID CONFLICTS AND SHALL PROVIDE ALL OFFSETS AND EQUIPMENT AS REQUIRED TO FIT THE MECHANICAL WORK INTO THE AVAILABLE SPACE.
7. COORDINATE ALL SERVICE OUTAGES WITH OWNER. PROVIDE OWNER WITH WRITTEN NOTICE AT LEAST 48 HOURS PRIOR TO SHUTDOWN INDICATING DATE, DURATION, UTILITIES AFFECTED, AND TRADES AFFECTED. FINAL DATE OF SHUTDOWN TO BE DETERMINED BY THE COUNTY AND MAY DIFFER FROM REQUESTED DATE.
8. COORDINATE WIRING LOCATIONS CLOSELY WITH E.C. PRIOR TO BEGINNING WORK.
9. PROVIDE ALL CUTTING AND PATCHING NECESSARY FOR THE PROPER INSTALLATION OF WORK AND TO REPAIR ANY DAMAGE DONE DURING INSTALLATION.
10. PROVIDE DUCT ACCESS DOORS FOR INSPECTION AT ALL NEW FIRE DAMPERS, SMOKE DAMPERS, SMOKE DETECTORS, HEATING COILS, AND HUMIDIFIERS. PROVIDE ADDITIONAL ACCESS DOORS PER SPECIFICATIONS.
11. ADJUSTABLE THERMOSTATS SHALL BE MOUNTED AT 48" FROM FINISHED FLOOR TO TOP OF DEVICE IN ACCORDANCE WITH ADA ANS1 308.
12. BUILDING BAS IS SCHNEIDER ECOSYSTEM. NEW THERMOSTAT TO BE PROVIDED BY SCHNEIDER TO MATCH EXISTING SYSTEM.
13. DESIGNER SHALL WITNESS CONTRACTOR DEMONSTRATE OPERATION OF UNITS AFTER INSTALLATION.

**RENOVATION KEYED NOTES:**

- 1 REMOVE THERMOSTAT FROM WALL PRIOR TO WALL DEMOLITION. PRESERVE FOR REINSTALLATION IN NEW WALL PER 2/M2.1.
- 2 REINSTALL THERMOSTAT IN NEW WALL. REPROGRAM BAS AND THERMOSTAT TO CONTROL ONLY FCU-429 WITH THE SAME SEQUENCE OF OPERATION AS BEFORE.
- 3 REINSTALL THERMOSTAT IN NEW WALL. REPROGRAM BAS AND THERMOSTAT TO CONTROL FCU-430 WITH THE SAME SEQUENCE OF OPERATION AS BEFORE.
- 4 INSTALL NEW THERMOSTAT TO MATCH EXISTING. PROGRAM BAS AND THERMOSTAT TO CONTROL FCU-428 WITH THE SAME SEQUENCE AS BEFORE.

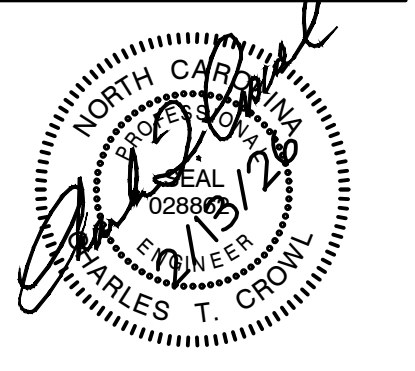


**1 Mechanical Demolition Plan**  
SCALE: 1/4" = 1'-0"



**2 Mechanical Renovation Plan**  
SCALE: 1/4" = 1'-0"

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RENOVATIONS TO:

**DURHAM ADMINISTRATION BUILDING**  
200 E. MAIN ST.

**LEGAL SUITE RENOVATIONS**

Durham, NC

PROJECT NUMBER:  
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**Mechanical Renovation Plan**

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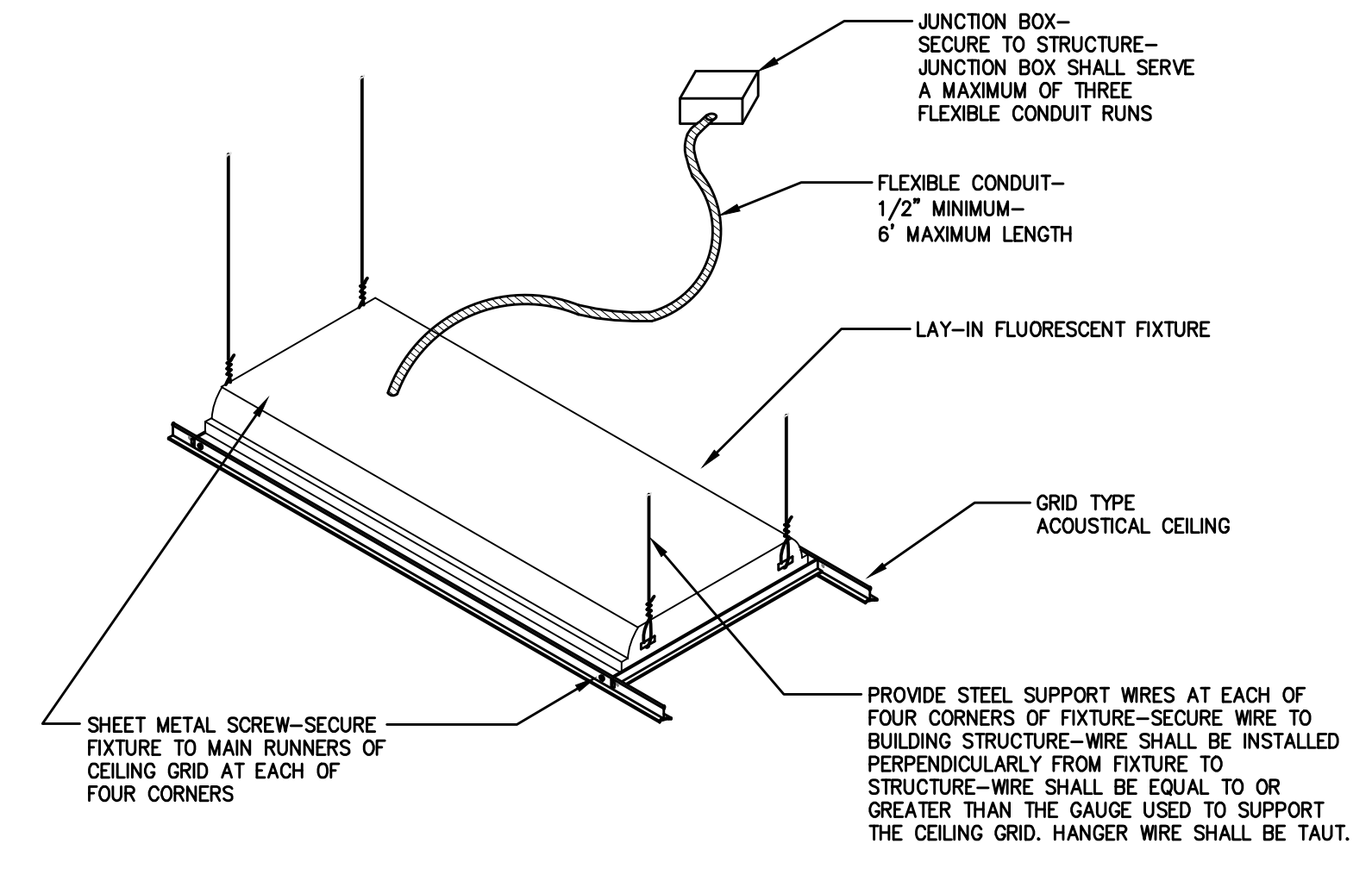
RENOVATIONS TO:  
**DURHAM ADMINISTRATION BUILDING**  
200 E. MAIN ST.  
**LEGAL SUITE RENOVATIONS**  
Durham, NC

PROJECT NUMBER:  
EE 25-030

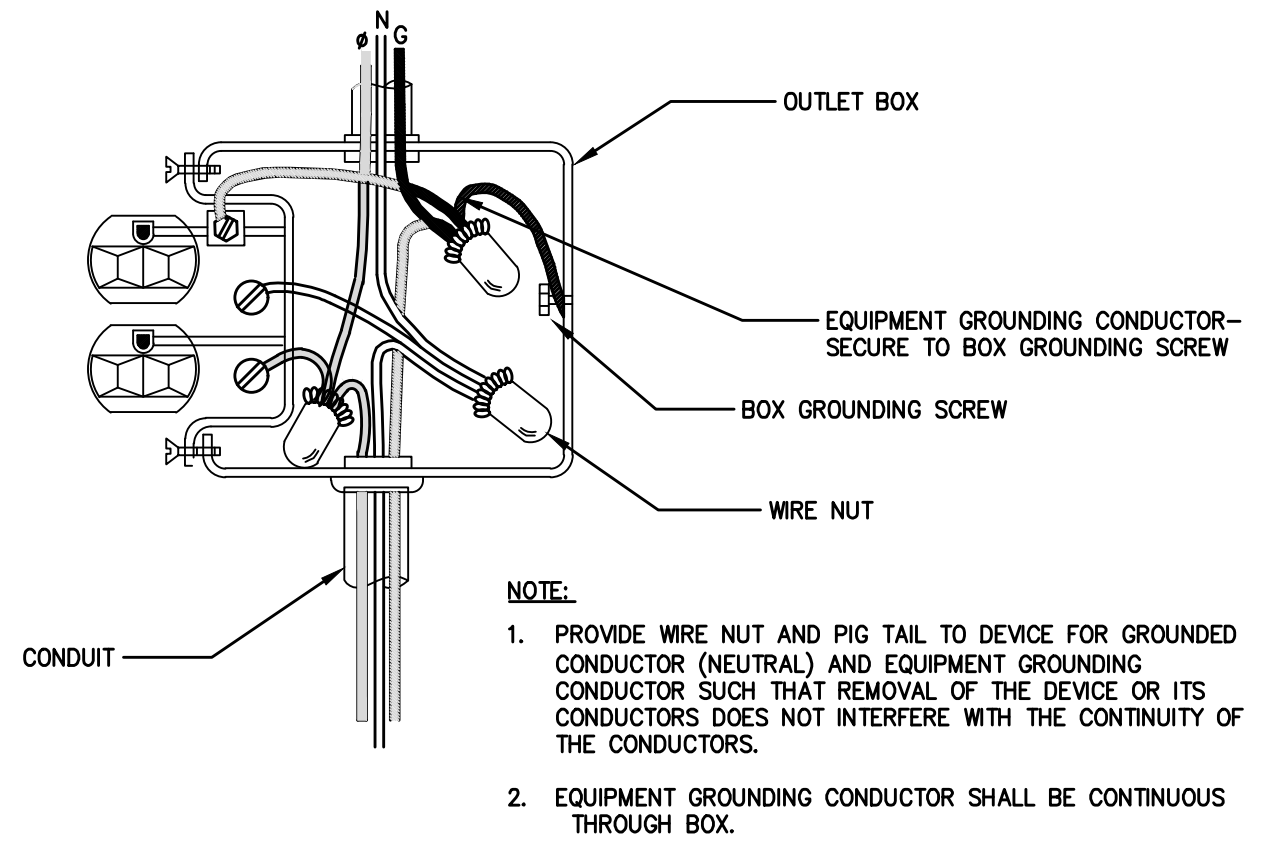
Electrical Details

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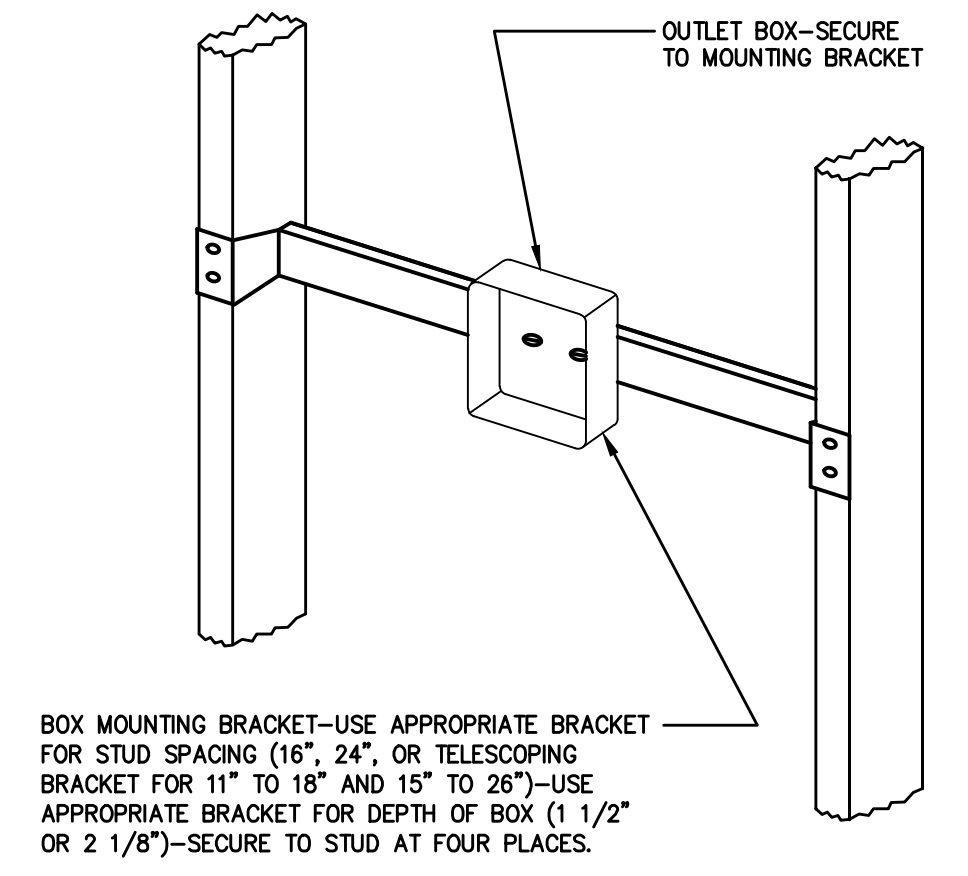
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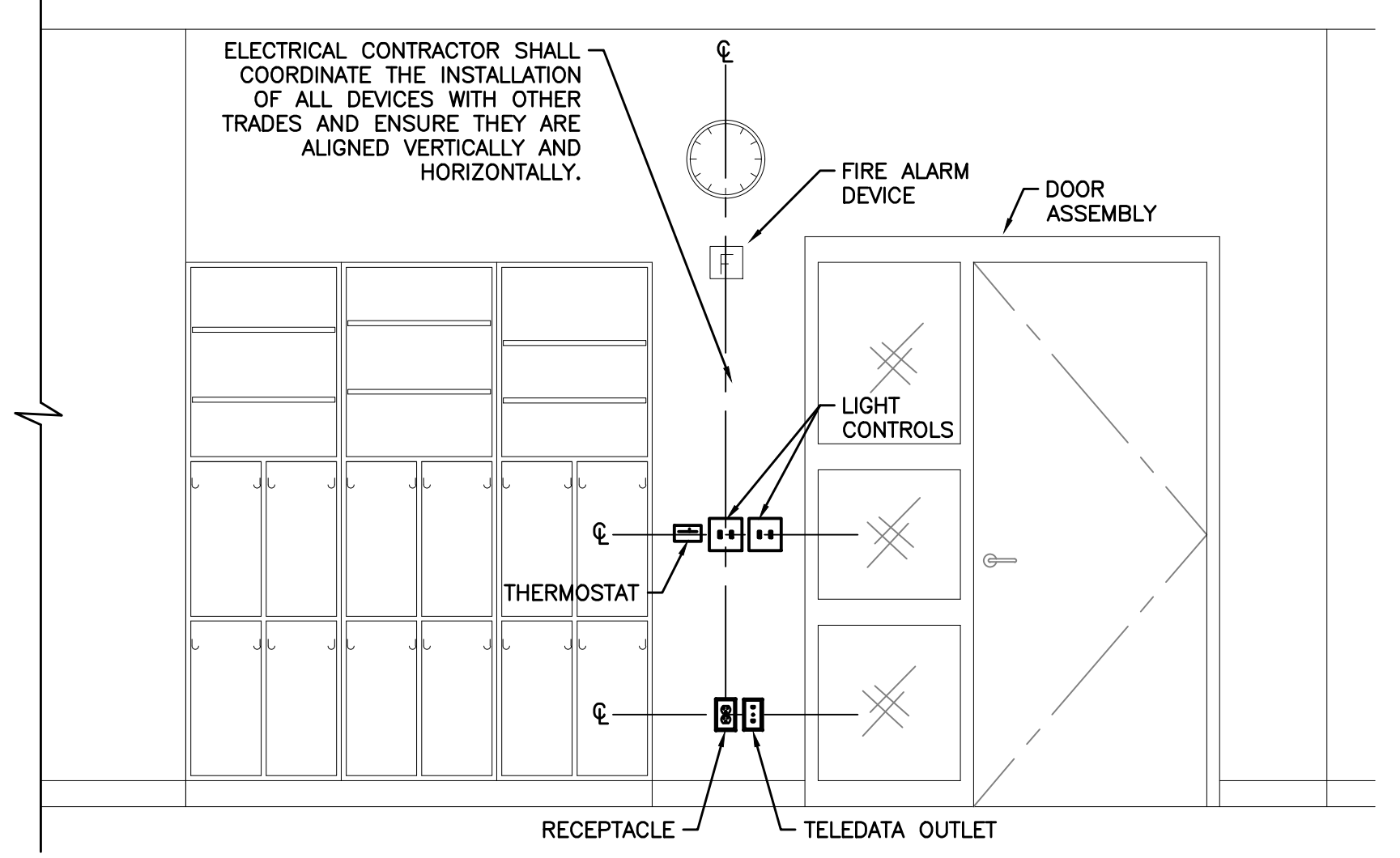
**1 Lay-In Light Fixture Installation**  
E0.3 SCALE: NONE



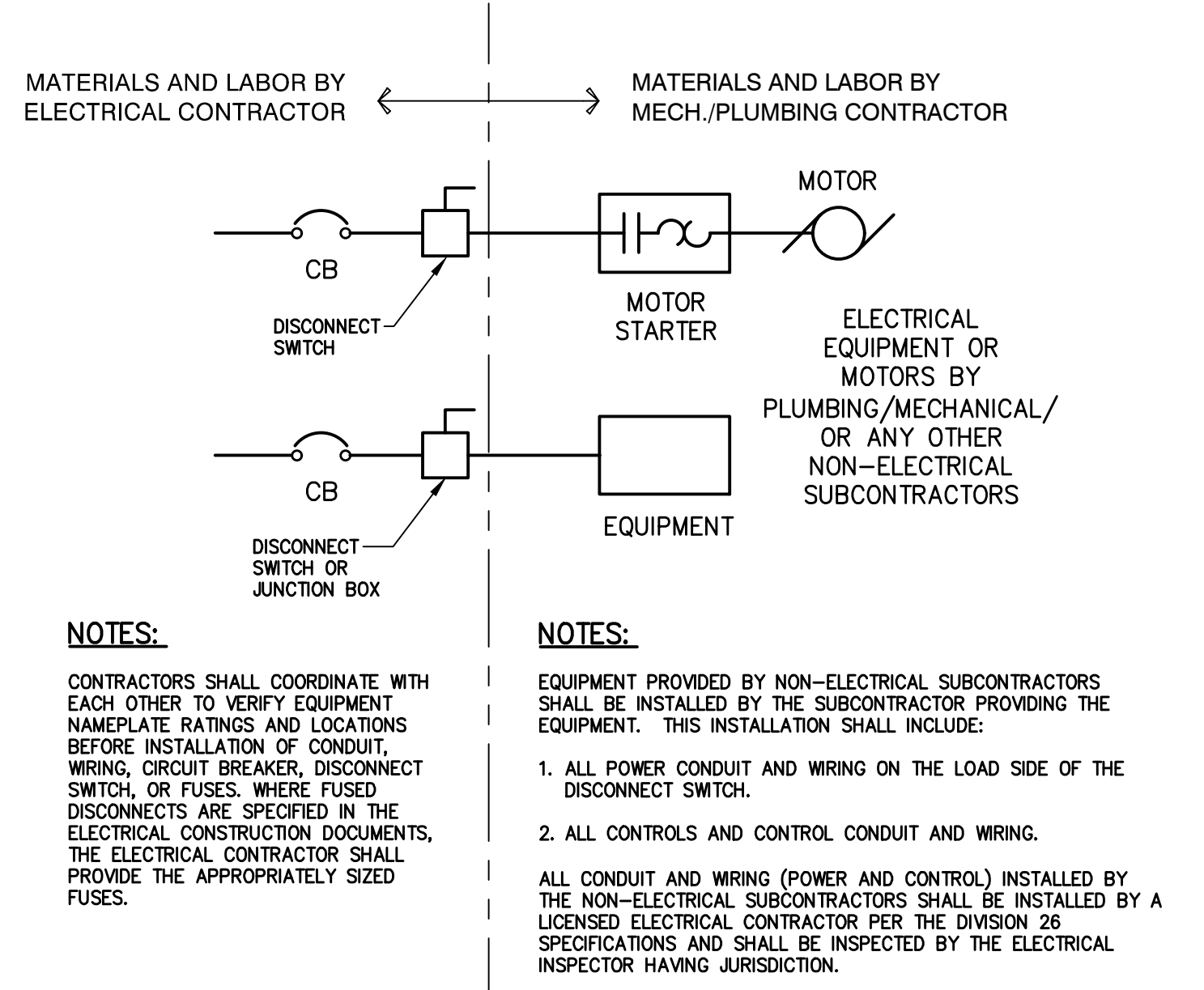
**2 Receptacle Wiring Detail**  
E0.3 SCALE: NONE



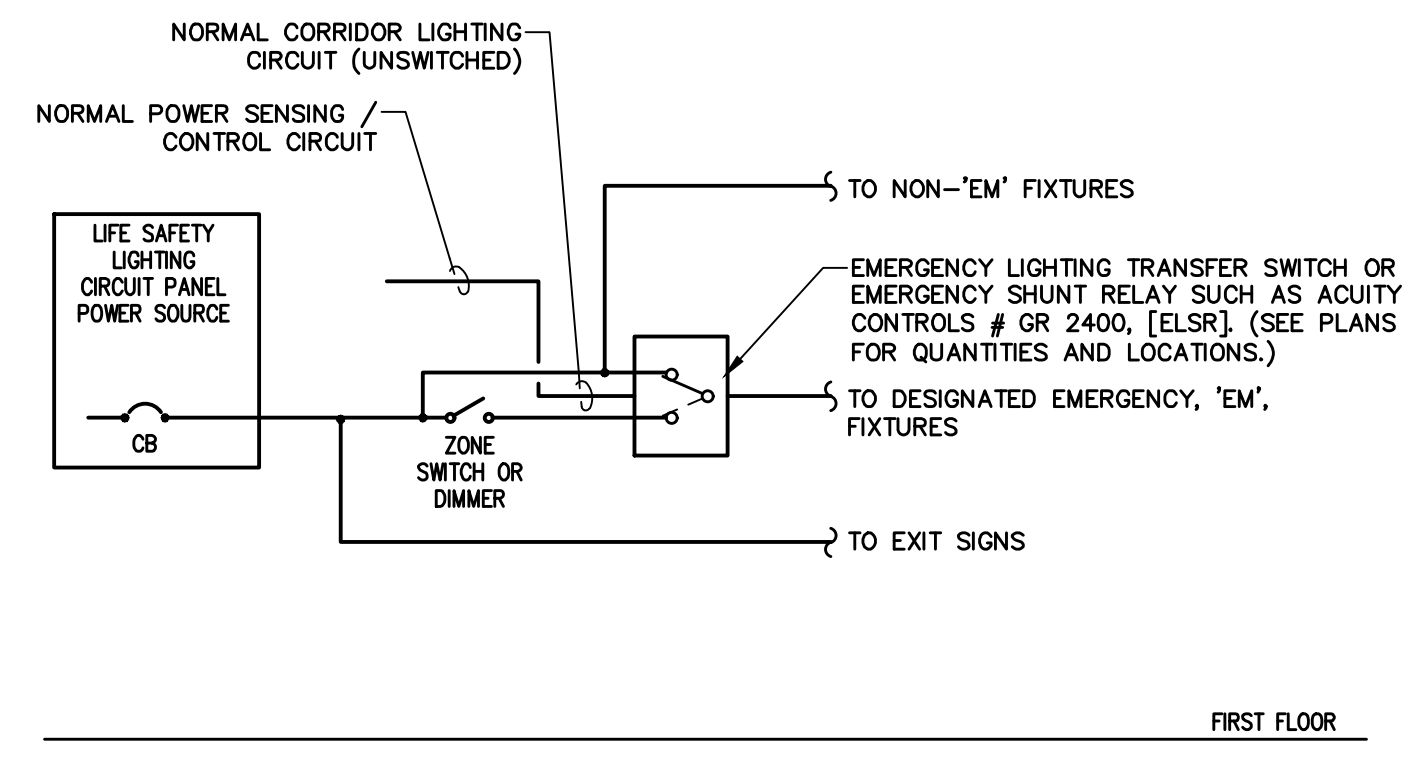
**3 Outlet Box Mounting**  
E0.3 SCALE: NONE



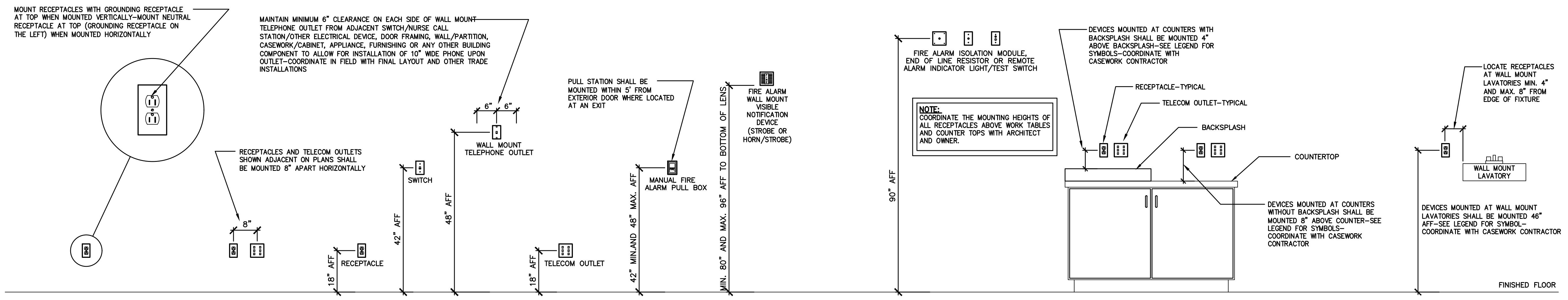
**4 Device Coordination Detail**  
E0.3 SCALE: Not To Scale Typical for all locations



**5 Motor/Equipment Installation - Division of Work**  
E0.3 SCALE: Not To Scale



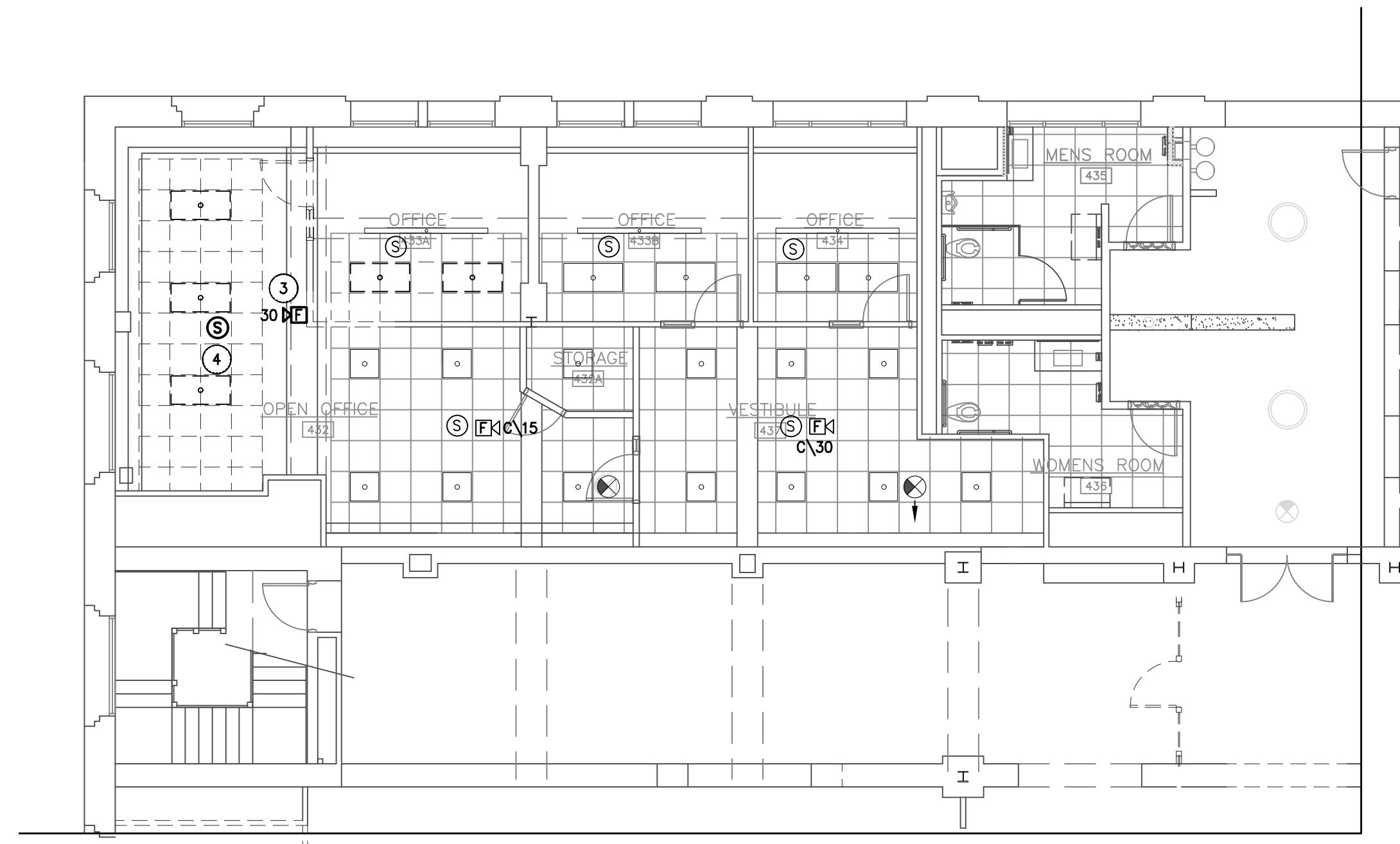
**6 Life Safety Lighting Control Schematic**  
E0.3 SCALE: Not To Scale INTERIOR CORRIDOR



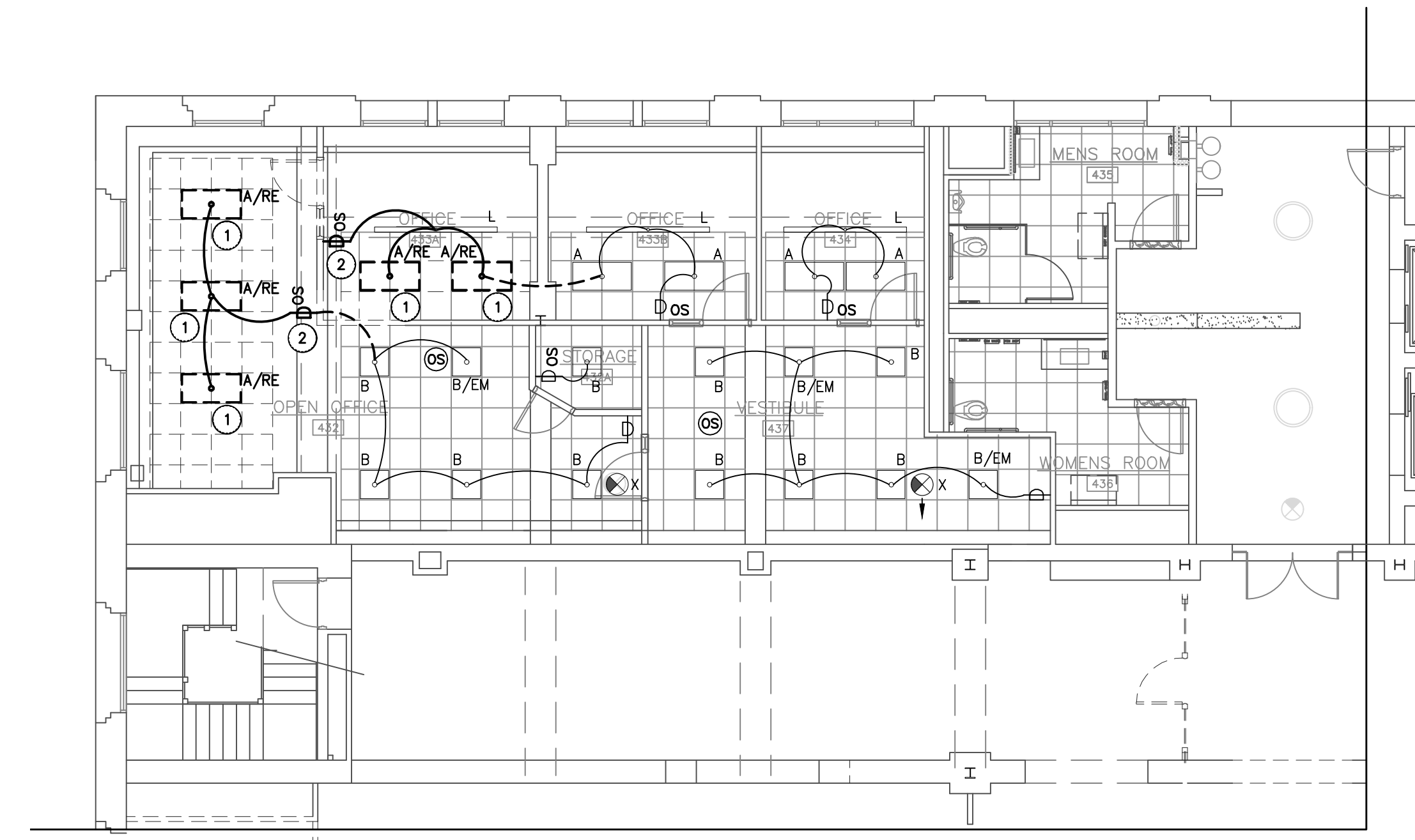
**7 Typical Electrical Elevations**  
E0.3 SCALE: NONE

NOTES:  
1. MOUNTING HEIGHTS ARE INDICATED TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.  
2. REFER TO DETAIL 1, ES.2 AND TO THE ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION ON COORDINATING DEVICE INSTALLATIONS.  
3. INSTALL RECEPTACLES, DATA OUTLETS, SWITCHES AT HEIGHTS IN ACCORDANCE WITH THE ADA REQUIREMENTS OF ANSI A117.1.

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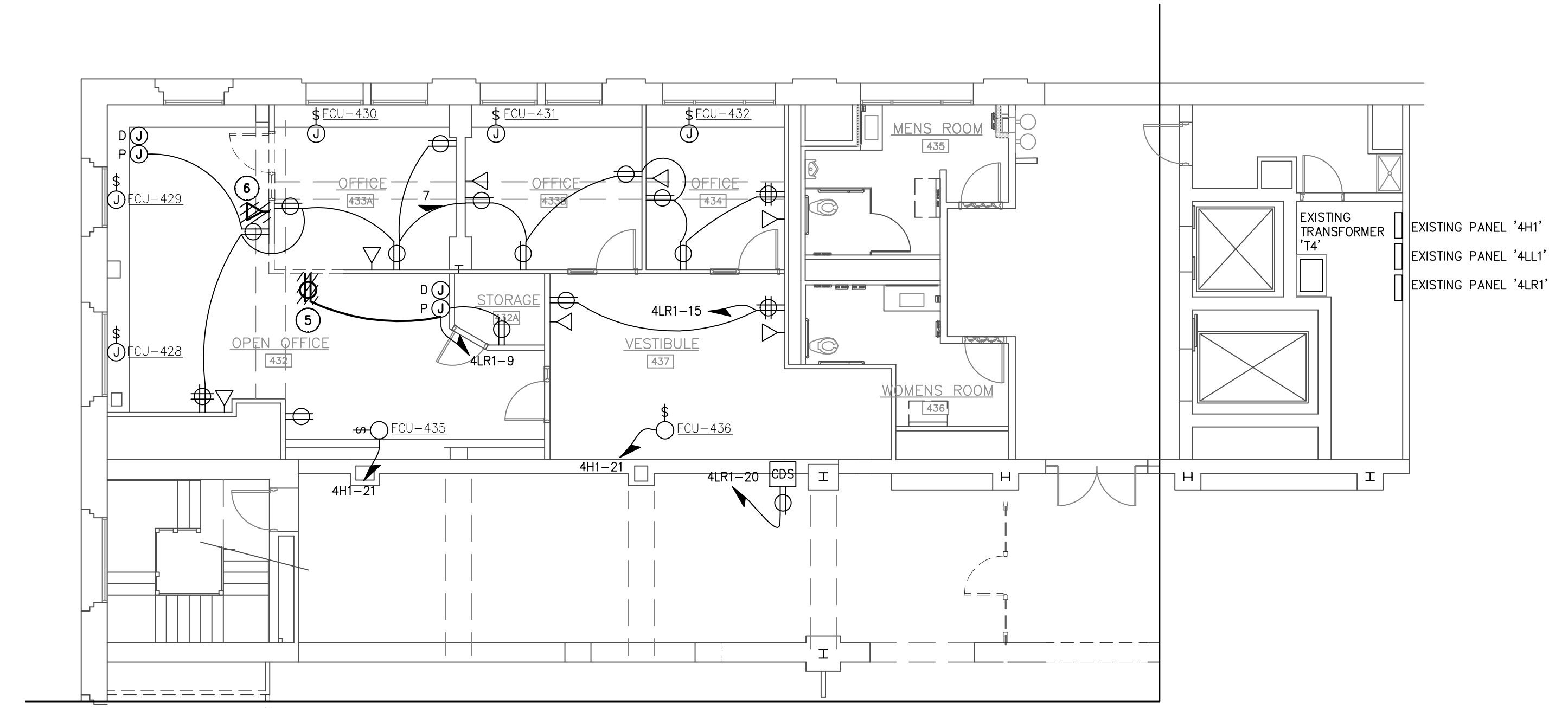
**3** Fire Alarm Demolition Plan  
**E1.1** SCALE: 1/8" = 1'-0"



**1** Lighting Demolition Plan  
**E1.1** SCALE: 1/8" = 1'-0"

**ELECTRICAL DEMOLITION NOTES:**

1. THE ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING LIGHT FIXTURE(S) AS REQUIRED TO COORDINATE WITH NEW CEILING GRID LAYOUT. REFER TO THE ELECTRICAL RENOVATION PLANS AND THE ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION. REWORK AND EXTEND THE EXISTING AREA LIGHTING CIRCUIT AS REQUIRED.
2. THE ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING DIMMER SWITCH COMPLETE AND REWORK THE EXISTING AREA LIGHTING CIRCUIT AS REQUIRED FOR THE NEW LIGHTING LAYOUT AND SWITCH LOCATION.
3. THE ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING WALL MOUNTED FIRE ALARM NOTIFICATION DEVICE COMPLETE AND REWORK THE FIRE ALARM WIRING AS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY TO DOWNSTREAM DEVICES. TURN DEVICE OVER TO OWNER.
4. THE ELECTRICAL CONTRACTOR SHALL REMOVE AND RELOCATE THE EXISTING FIRE ALARM SMOKE DETECTOR AND REWORK THE FIRE ALARM WIRING TO THE NEW LOCATIONS SHOWN IN THE RENOVATION PLAN.
5. THE ELECTRICAL CONTRACTOR SHALL REMOVE THE EXISTING DUPLEX RECEPTACLE AND ASSOCIATED WIRING COMPLETE BACK TO THE LAST DEVICE SERVED BY THE EXISTING CIRCUIT. THE EXISTING CIRCUIT WILL BE REUSED AND REWORKED TO A NEW DUPLEX RECEPTACLE LOCATION SHOWN IN THE RENOVATION PLAN.
6. THE ELECTRICAL CONTRACTOR SHALL RELOCATE THE EXISTING TELECOM OUTLET TO THE NEW DESK LOCATION AS REQUIRED. EXISTING DATA CABLE TO BE REWORKED TO NEW LOCATION AS REQUIRED OR REPLACED IF NOT ENOUGH SPARE LENGTH IN CABLE.



**2** Power Demolition Plan  
**E1.1** SCALE: 1/8" = 1'-0"

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RENOVATIONS TO:

**DURHAM ADMINISTRATION BUILDING**  
 200 E. MAIN ST.

**LEGAL SUITE RENOVATIONS**

Durham, NC

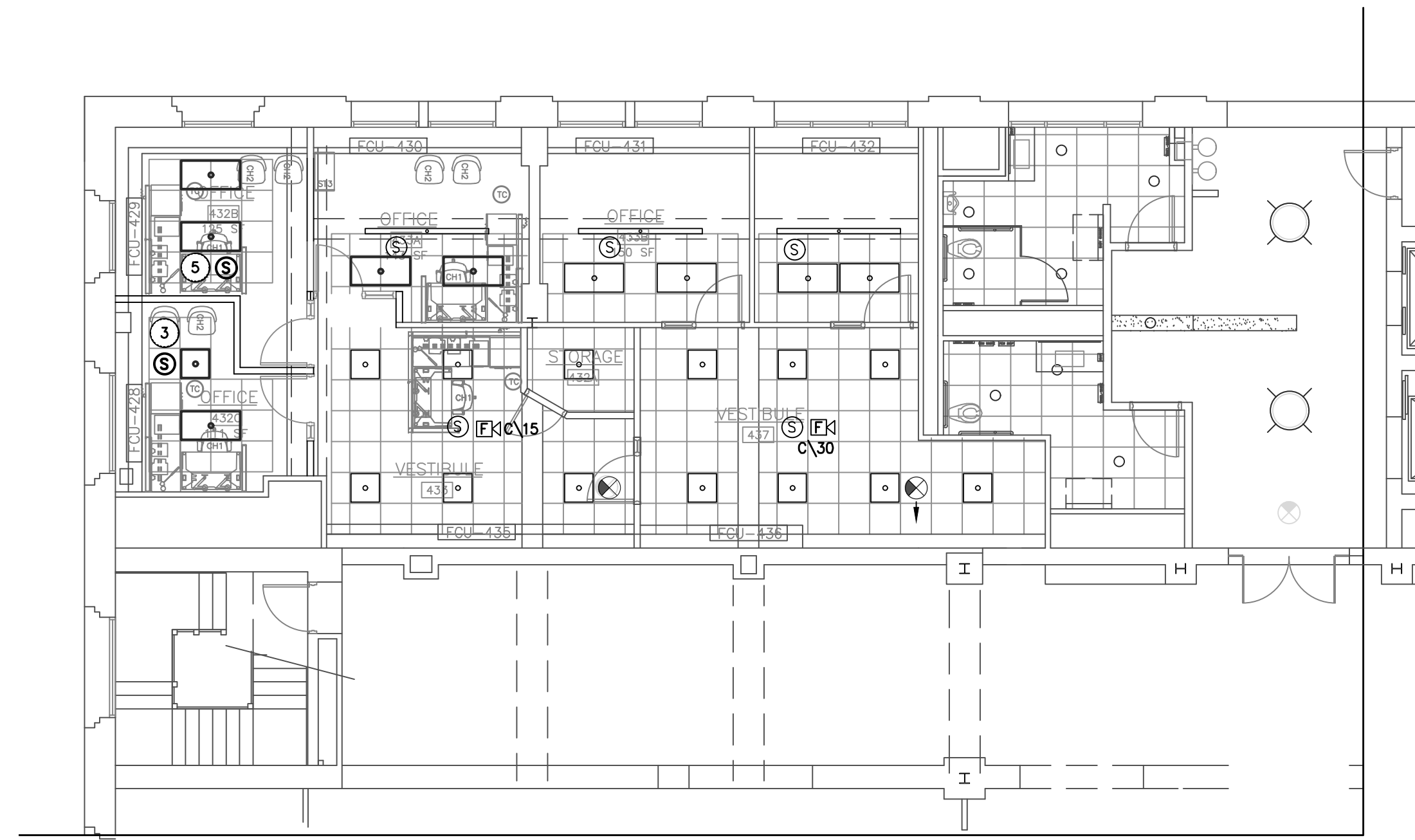
PROJECT NUMBER:  
 EE 25-030

Electrical Demolition Plan

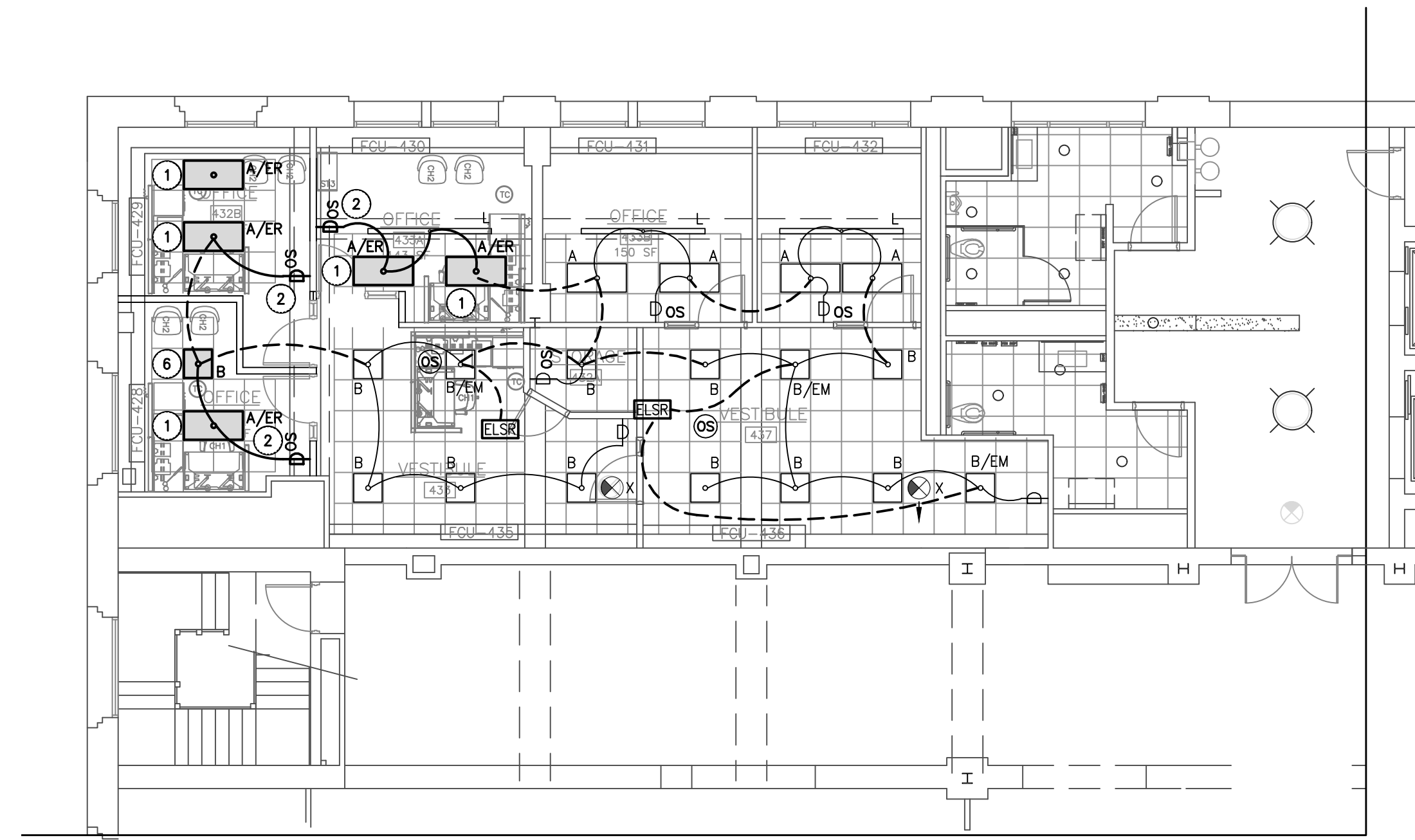
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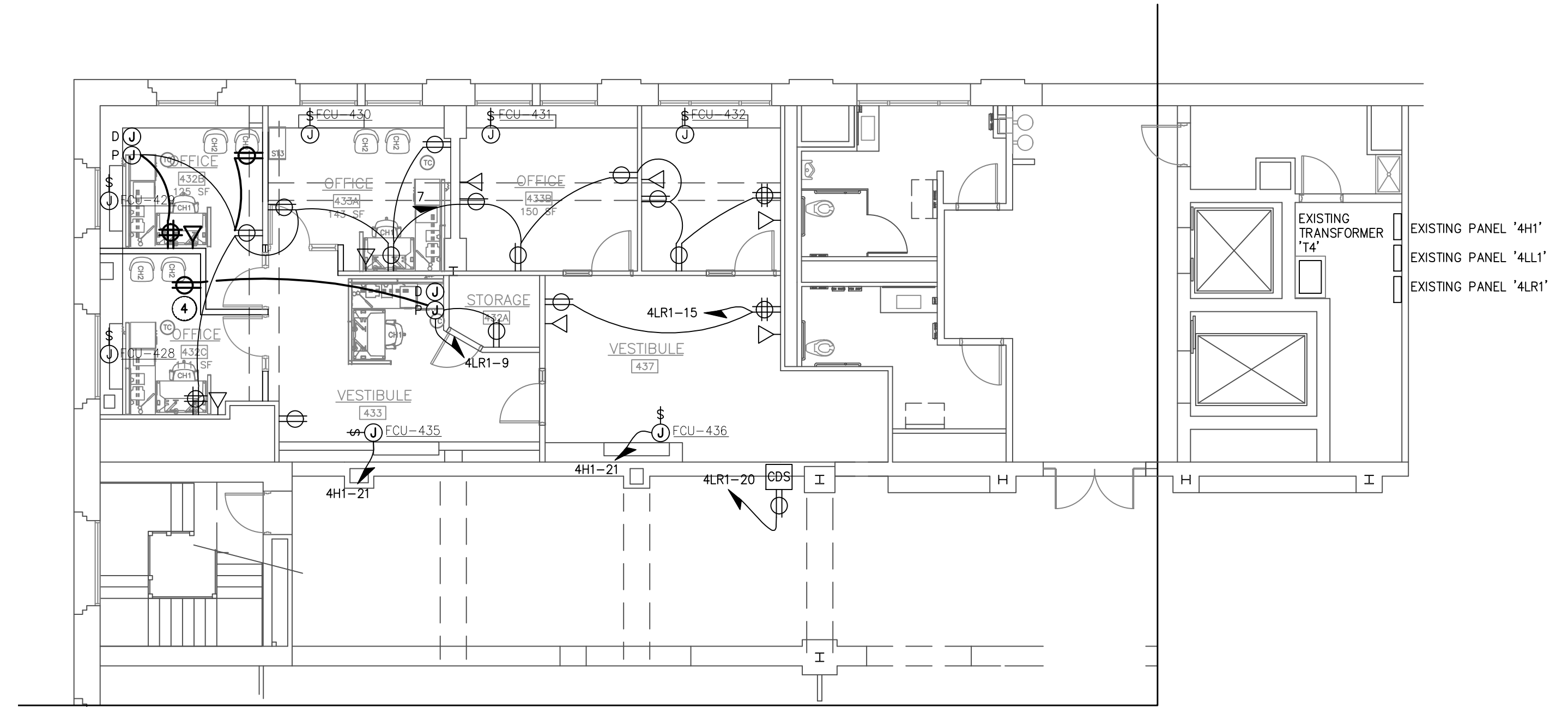
**3** Fire Alarm Renovation Plan  
**E2.1** SCALE: 1/8" = 1'-0"



**1** Lighting Renovation Plan  
**E2.1** SCALE: 1/8" = 1'-0"

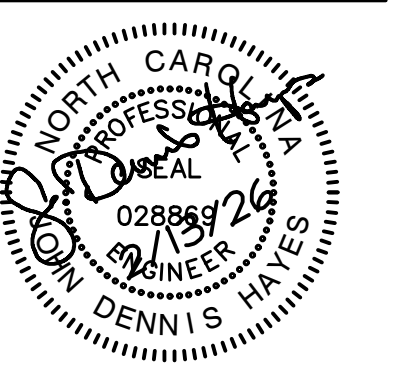
**ELECTRICAL RENOVATION NOTES:**

1. THE ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING LIGHT FIXTURE(S) AS REQUIRED TO COORDINATE WITH NEW CEILING GRID LAYOUT. REFER TO THE ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION. REWORK AND EXTEND THE EXISTING AREA LIGHTING CIRCUIT AS REQUIRED.
2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NEW DIMMER/OCCUPANCY SENSOR SWITCH COMPLETE AND REWORK THE EXISTING AREA LIGHTING CIRCUIT AS REQUIRED FOR THE NEW LIGHTING LAYOUT AND SWITCH LOCATION.
3. THE ELECTRICAL CONTRACTOR SHALL RELOCATE THE EXISTING FIRE ALARM INITIATING DEVICE AND REWORK THE FIRE ALARM WIRING TO THE NEW LOCATION SHOWN IN THE RENOVATION PLAN.
4. THE ELECTRICAL CONTRACTOR SHALL INSTALL A NEW DUPLEX RECEPTACLE AND REWORK THE EXISTING CIRCUIT, (3)#12AWG IN 3/4" CONDUIT AS REQUIRED TO THE NEW LOCATION SHOWN.
5. THE ELECTRICAL CONTRACTOR SHALL INSTALL A NEW CEILING MOUNTED FIRE ALARM INITIATING DEVICE COMPLETE AND REWORK THE FIRE ALARM WIRING TO THE NEW LOCATION SHOWN.
6. THE ELECTRICAL CONTRACTOR SHALL INSTALL (1) NEW 2'X2' EDGE-LIT FLAT PANEL LED FIXTURE AND CONNECT TO EXISTING AREA LIGHTING CIRCUIT AS SHOWN. FIXTURE SHALL BE COLUMBIA MODEL CPP22-5535 TO MATCH THE EXISTING 'A' TYPE FIXTURES LUMEN AND COLOR TEMP.



**2** Power Renovation Plan  
**E2.1** SCALE: 1/8" = 1'-0"

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RENOVATIONS TO:

**DURHAM ADMINISTRATION BUILDING**  
 200 E. MAIN ST.

**LEGAL SUITE RENOVATIONS**

Durham, NC

PROJECT NUMBER:  
 EE 25-030

**Electrical Renovation Plan**

**DTW**  
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100% CDs FOR PERMIT	
Revisions	
Drawn	ANR
Checked	JDH
Date	FEBRUARY 13, 2026
Sheet	E2.1
Of	

P:\PROJECTS\2025\25-030-DURHAM COUNTY ADMIN. 4TH FLOOR LAWYER OFFICES\3.0 CAD\3.0 ELECTRICAL\E2.1.dwg PLOTTED 2/16/2026 9:24 PM BY: NELSON RAGAN