

Construction Documents

LIEBER COLLEGE MISCELLANEOUS INTERIOR RENOVATIONS



USC PROJECT NO: 5003293-2

SYMBOLS

	DIMENSION TO FACE OF CONSTRUCTION (AS NOTED)
	DIMENSION TO COLUMN CENTERLINE
	STOREFRONT/CURTAIN WALL
	DOOR NUMBER
	INTERIOR STOREFRONT
	ROOM NUMBER
	COLUMN GRIDLINE
	PARTITION TYPE
	INTERIOR ELEVATION
	DETAIL
	SECTION

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A/E PROJECT TEAM

Architectural: WATSON TATE SAVORY, INC.
Mechanical: MECHANICAL DESIGN, INC.
Electrical: LAND ENGINEERING ASSOCIATES, LLC



J. Sanders Tate



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LIEBER COLLEGE MISCELLANEOUS
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UNIVERSITY OF SOUTH CAROLINA
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Project Number: 1610

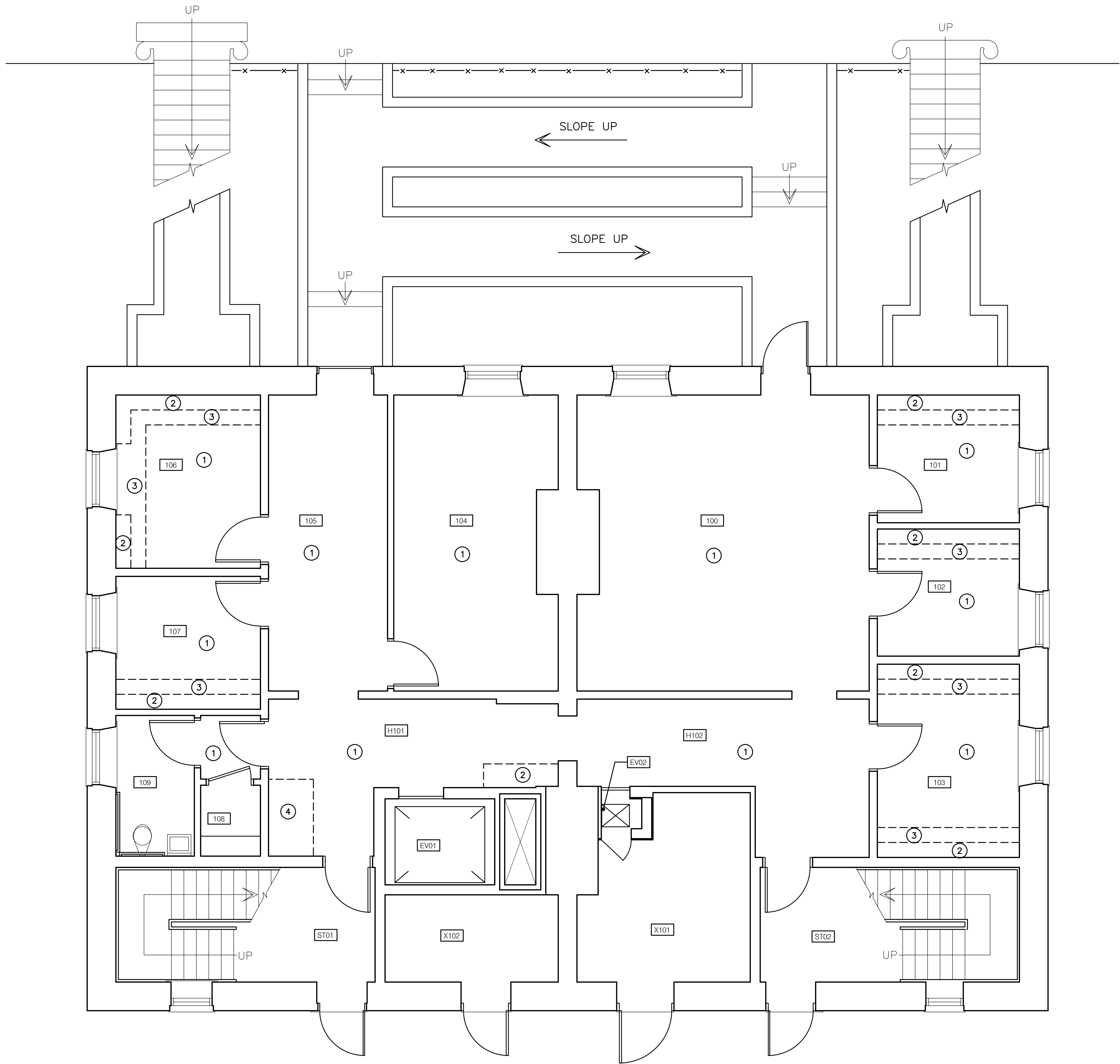
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TITLE SHEET &
INDEX OF
DRAWINGS

T1.0



1 FIRST FLOOR DEMOLITION PLAN
D1.0 1/4" = 1'-0"

- DEMOLITION NOTES**
- 1 REMOVE EXISTING FLOORING FOR CARPET REPLACEMENT.
 - 2 REMOVE BUILT-IN WALL CABINET (WD)
 - 3 REMOVE BUILT-IN DESK (WD)
 - 4 REMOVE BUILT-IN FULL-HEIGHT STORAGE (WD)



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First Floor
Demolition Plan

D1.0

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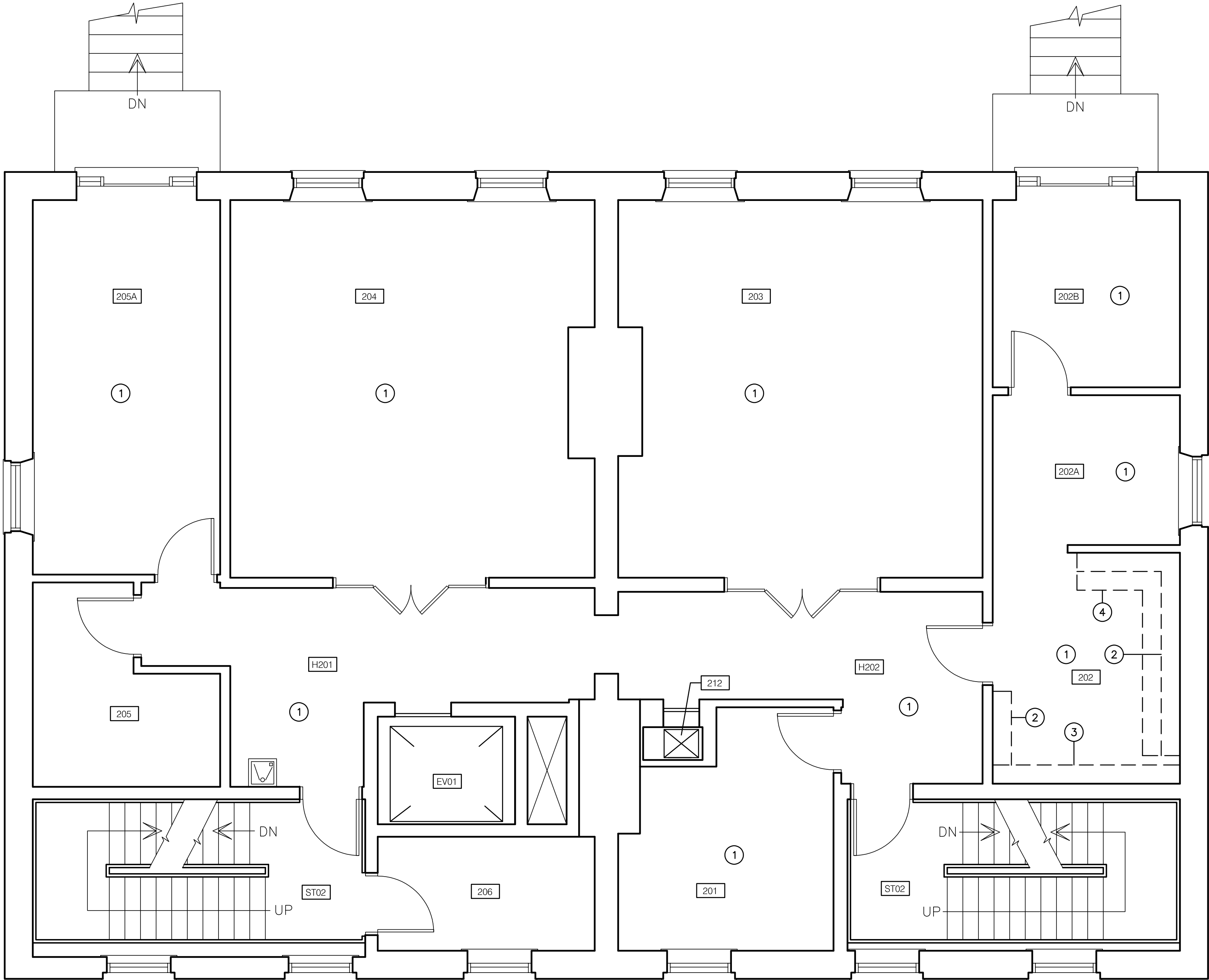
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D2.0

SECOND FLOOR DEMOLITION PLAN

1/4" = 1'-0"



- DEMOLITION NOTES**
- ① REMOVE EXISTING FLOORING FOR CARPET REPLACEMENT.
 - ② REMOVE ABOVE-COUNTER WALL SHELVES.
 - ③ REMOVE FULL-HEIGHT WALL SHELVES.
 - ④ REMOVE BUILT-IN DESK.



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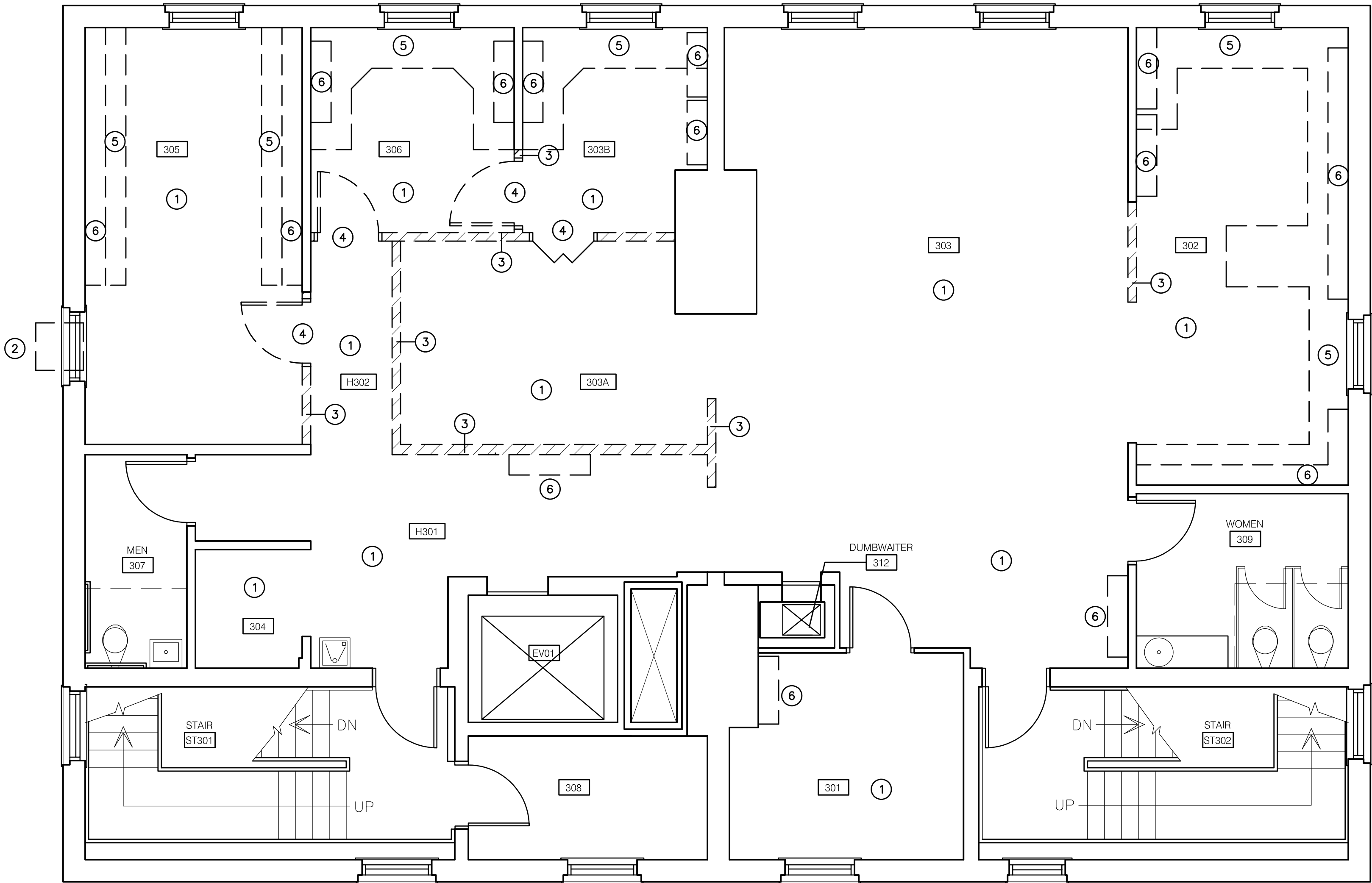
Second Floor
Demolition Plan

D2.0

CONSTRUCTION DOCUMENTS

1
D3.0

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



DEMOLITION NOTES

- 1 REMOVE EXISTING FLOORING FOR CARPET REPLACEMENT.
- 2 REMOVE WINDOW UNIT AIR CONDITIONER.
- 3 REMOVE EXISTING WALL
- 4 REMOVE EXISTING DOOR & FRAME
- 5 REMOVE EXISTING BUILT-IN DESK.
- 6 REMOVE EXISTING WALL SHELIVING/CABINETS.



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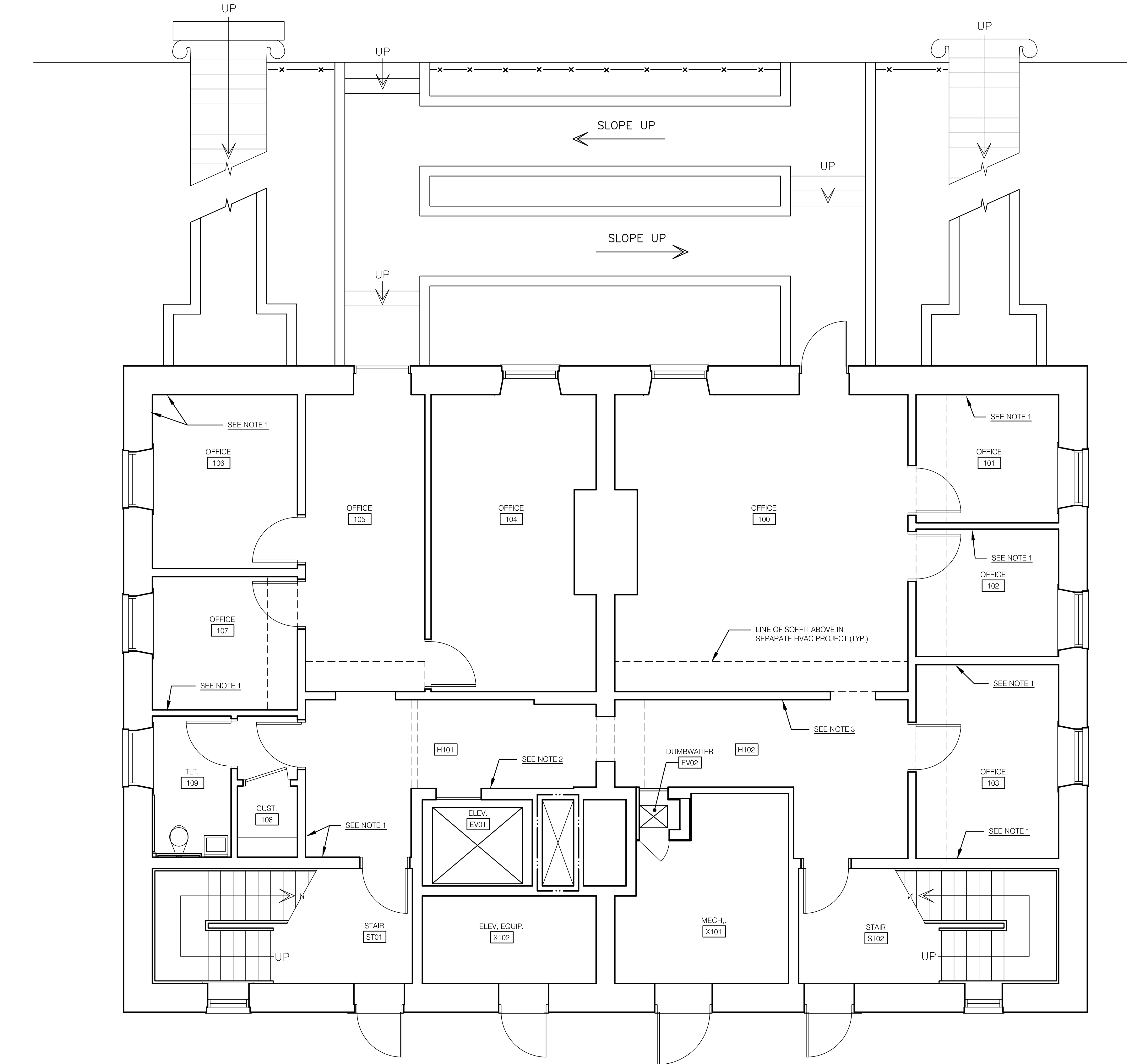
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Third Floor
Demolition Plan

D3.0

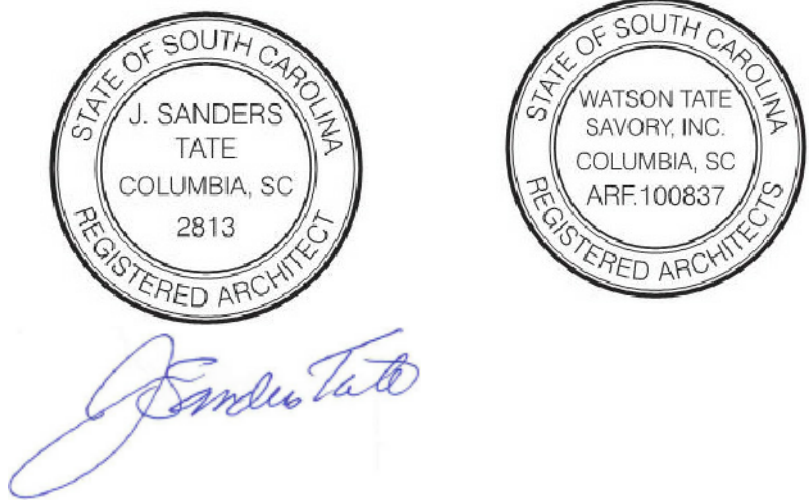


1 FIRST FLOOR RENOVATION PLAN
A1.1 1/4" = 1'-0"

- NOTES**
- 1. PATCH WALL AT REMOVAL OF BUILT-IN WALL CABINETS AND DESK.
 - 2. PATCH WALL AT RELOCATION OF ELEVATOR POSITION INDICATOR.
 - 3. PATCH WALL AT NEW DATA LINE FISHED INTO EXISTING WALL.

FINISH NOTES				
ROOM	FLOOR	BASE	WALLS	CEILING
100	CPT-2	RESILIENT	PAINT	ACT/GWB
101	CPT-1	RESILIENT	PAINT	ACT/GWB
102	CPT-1	RESILIENT	PAINT	ACT/GWB
103	CPT-1	RESILIENT	PAINT	ACT/GWB
104	CPT-1	RESILIENT	PAINT	ACT
105	CPT-1	RESILIENT	PAINT	ACT/GWB
106	CPT-1	RESILIENT	PAINT	ACT
107	CPT-1	RESILIENT	PAINT	ACT/GWB
H101	CPT-1	RESILIENT	PAINT	ACT/GWB
H102	CPT-1	RESILIENT	PAINT	ACT/GWB

NOTE: EXISTED PAINTED WOOD TRIM TO REMAIN.



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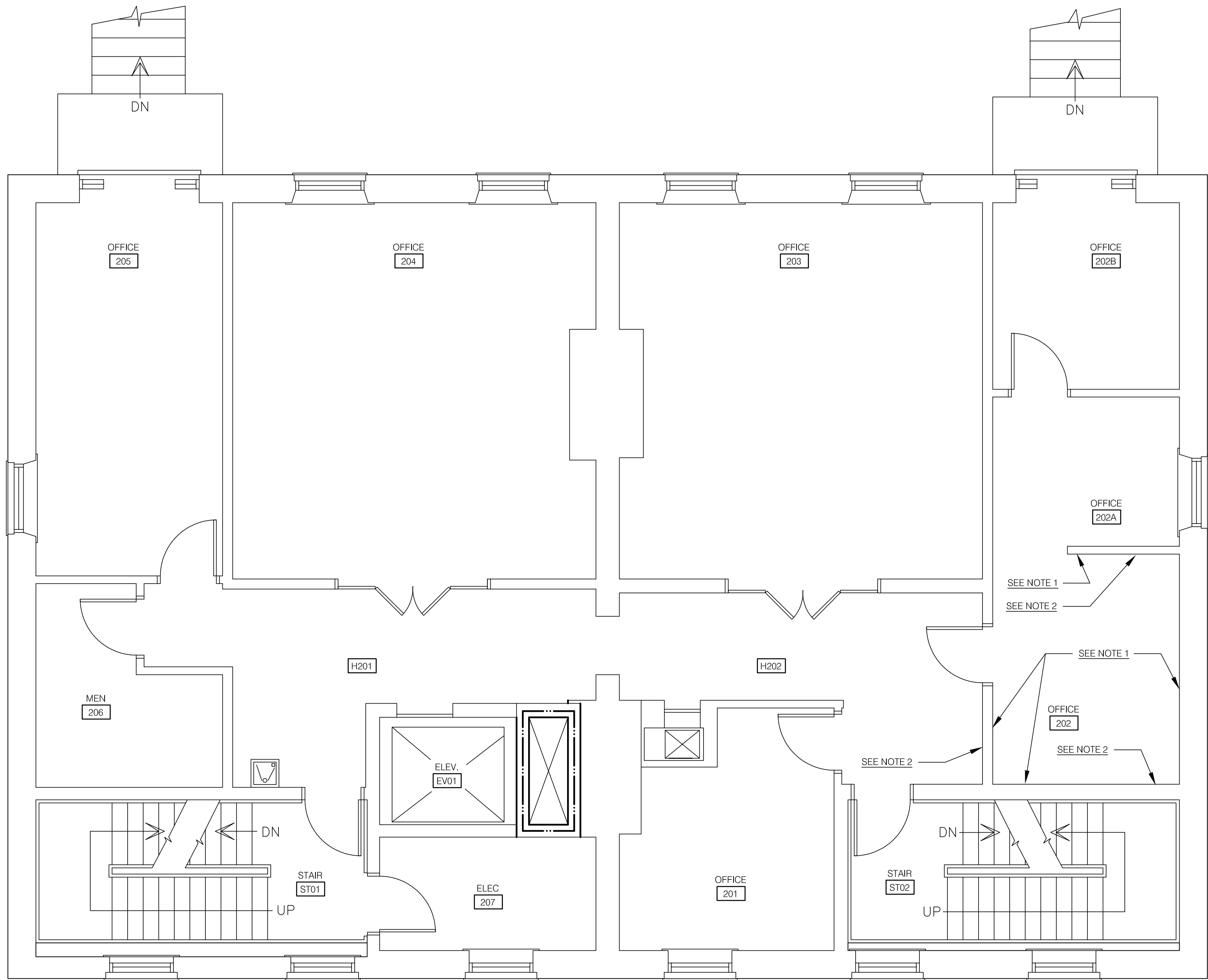
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First Floor
Renovation Plan

A1.1



FINISH NOTES

ROOM	FLOOR	BASE	WALLS	CEILING
201	CPT-1	RESILIENT	PAINT	ACT
202	CPT-1	RESILIENT	PAINT	ACT
202A	CPT-1	RESILIENT	PAINT	ACT
202B	CPT-1	RESILIENT	PAINT	EXIST.
203	CPT-2	EXIST.	PAINT	ACT
204	CPT-2	EXIST.	PAINT	ACT
205	CPT-1	RESILIENT	PAINT	EXIST.
206	EXIST.	EXIST.	PAINT	ACT
H201	CPT-1	RESILIENT	PAINT	ACT
H202	CPT-1	RESILIENT	PAINT	ACT

NOTE: EXISTING PAINTED WOOD TRIM TO REMAIN.

1 SECOND FLOOR RENOVATION PLAN
A1.2 1/4" = 1'-0"

NOTES

1. PATCH WALL WHERE WALL SHELVES AND DESK REMOVED.
2. PATCH WALL WHERE DATA AND POWER OUTLETS ARE LOCATED.



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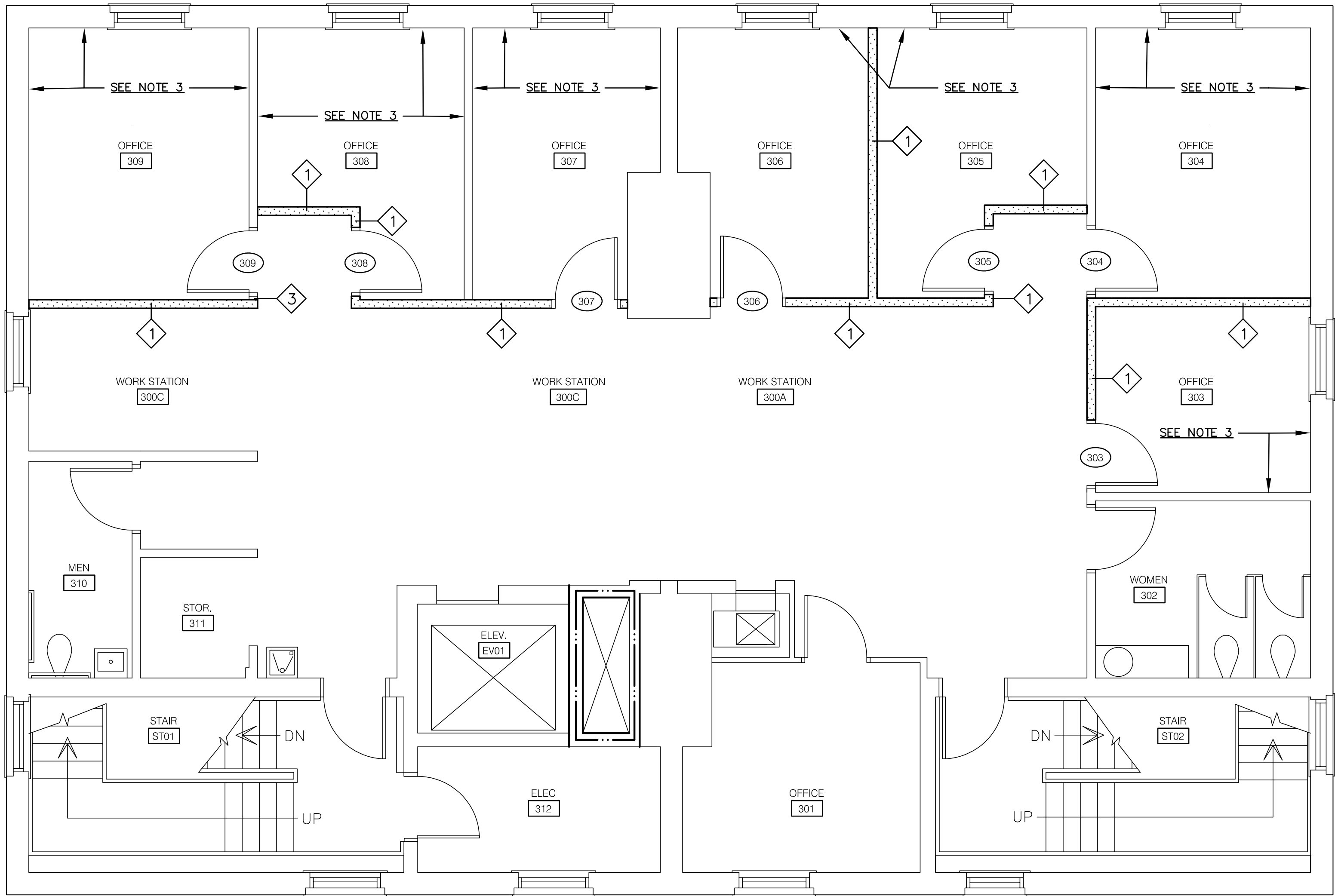
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Second Floor
Renovation Plan

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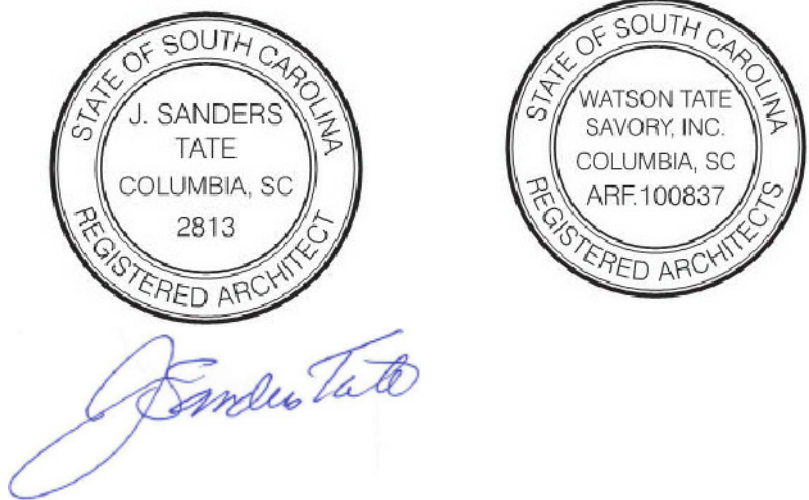


FINISH NOTES				
ROOM	FLOOR	BASE	WALLS	CEILING
300A	CPT-2	RESILIENT	PAINT	ACT
300B	CPT-1	RESILIENT	PAINT	ACT
300C	CPT-1	RESILIENT	PAINT	ACT
301	CPT-1	RESILIENT	PAINT	ACT
302	EXIST.	EXIST.	PAINT	ACT
303	CPT-1	RESILIENT	PAINT	ACT
304	CPT-1	RESILIENT	PAINT	ACT
305	CPT-1	RESILIENT	PAINT	ACT
306	CPT-1	RESILIENT	PAINT	ACT
307	CPT-1	RESILIENT	PAINT	ACT
308	CPT-1	RESILIENT	PAINT	ACT
309	CPT-1	RESILIENT	PAINT	ACT
310	EXIST.	EXIST.	PAINT	ACT
311	CPT-1	RESILIENT	PAINT	ACT

NOTE: EXISTING PAINTED WOOD TRIM TO REMAIN.

- NOTES
- SEE DRAWING A3.0 FOR PARTITION TYPE 1 DETAIL.
 - SEE DRAWING A3.0 FOR DOOR SCHEDULE AND DETAILS.
 - PATCH WALL WHERE BUILT-IN DESKS AND CABINETS REMOVED.

1 THIRD FLOOR RENOVATION PLAN
A1.3 1/4" = 1'-0"



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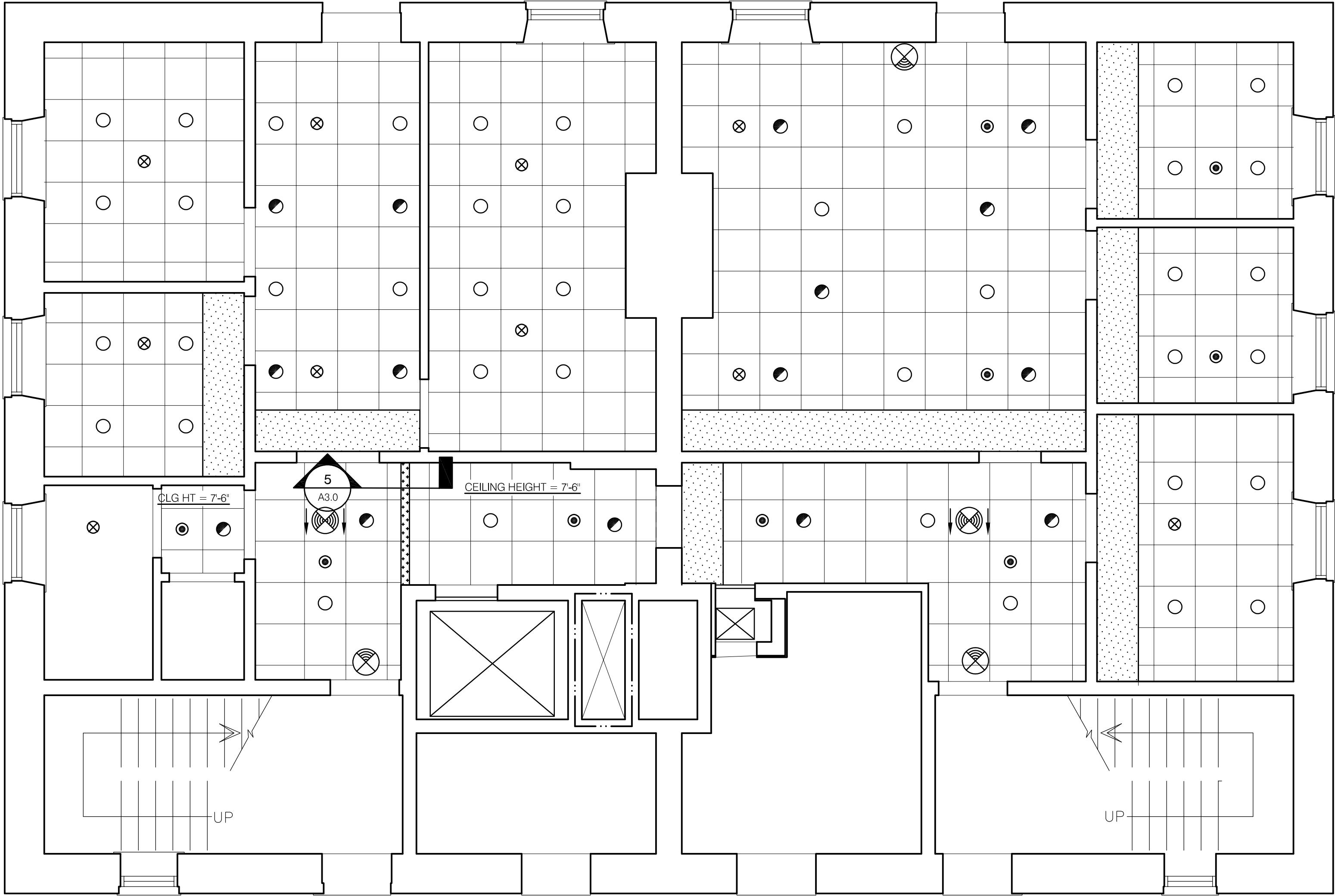
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Third Floor
Renovation Plan

A1.3

CONSTRUCTION DOCUMENTS

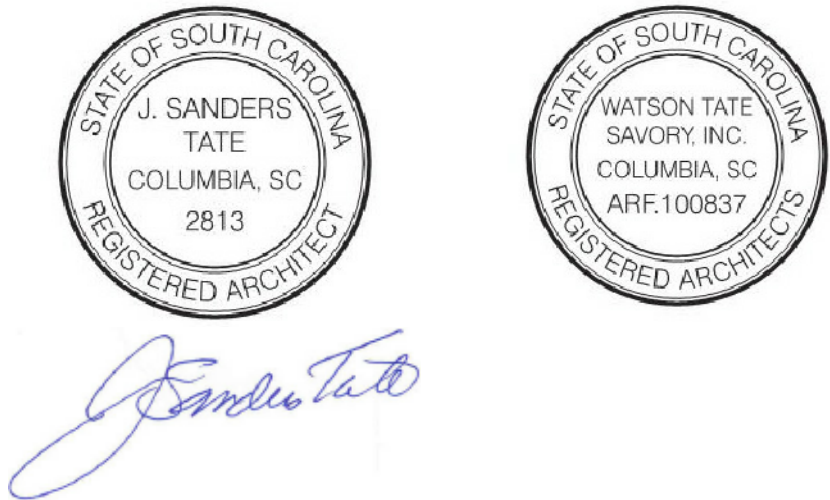
1 FIRST FLOOR REFLECTED CEILING PLAN
A2.1 1/4" = 1'-0"



CEILING HEIGHT:
CEILING HEIGHT TO MATCH EXISTING UNLESS NOTED
OTHERWISE AT REFLECTED CEILING PLAN.

CEILING LEGEND

- 2' X 2' ACOUSTICAL CEILING TILE IN SUSPENDED GRID
- GYPSUM WALLBOARD SOFFIT (PROVIDED UNDER SEPARATE HVAC RENOVATION PROJECT - COORDINATE WITH SEPARATE CONTRACTOR)
- GYPSUM WALLBOARD CEILING STOP (SEE DETAIL 5, DRAWING A5.0)
- RECESSED DOWNLIGHT - EMERGENCY
- RECESSED DOWNLIGHT
- EXIT LIGHT
- 2' X 4' LAY-IN FIXTURE
- 2' X 2' LAY-IN FIXTURE
- SUSPENDED CHANDELIER (EXISTING - REINSTALL)
- SURFACE MOUNTED STRIP FIXTURE
- EXISTING SPRINKLER HEAD
- SPRINKLER HEAD (SEE FIRE PROTECTION DRAWINGS)
- RCP RADIANT PANEL (SEE HVAC PROVIDED UNDER SEPARATE CONTRACT)
- HVAC SUPPLY DIFFUSER (SEE HVAC PROVIDED UNDER SEPARATE CONTRACT)
- HVAC RETURN GRILL (SEE HVAC PROVIDED UNDER SEPARATE CONTRACT)

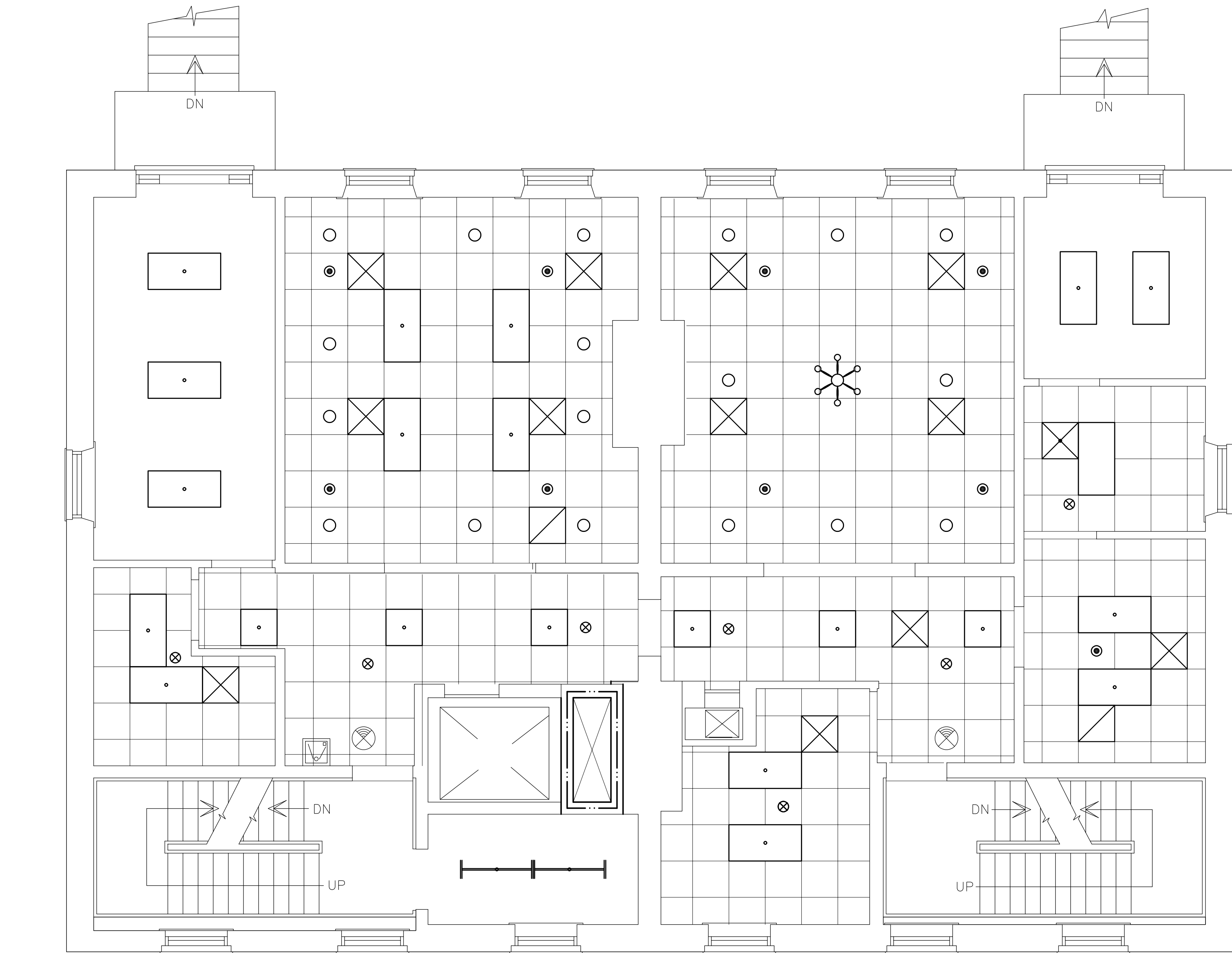


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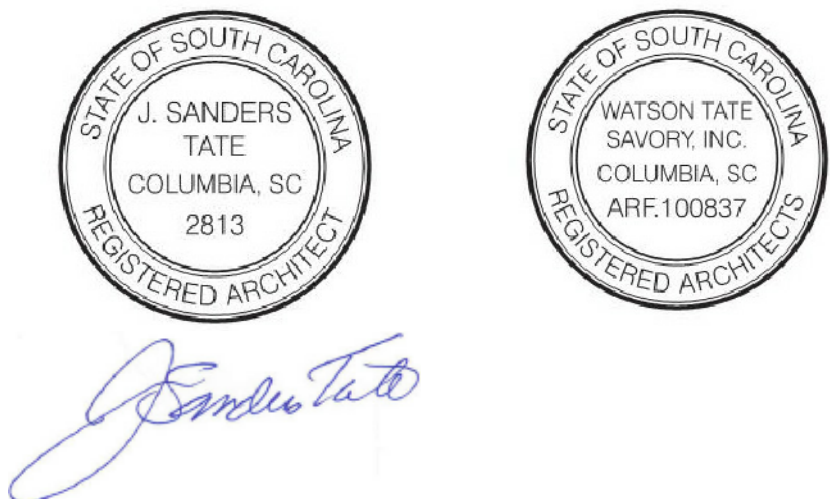


1 SECOND FLOOR REFLECTED CEILING PLAN
A2.2 1/4" = 1'-0"

CEILING HEIGHT:
CEILING HEIGHT TO MATCH EXISTING UNLESS NOTED OTHERWISE AT REFLECTED CEILING PLAN.

CEILING LEGEND

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- GYPSUM WALLBOARD CEILING STOP (SEE DETAIL 5, DRAWING A5.0)
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- HVAC RETURN GRILL (SEE HVAC PROVIDED UNDER SEPARATE CONTRACT)



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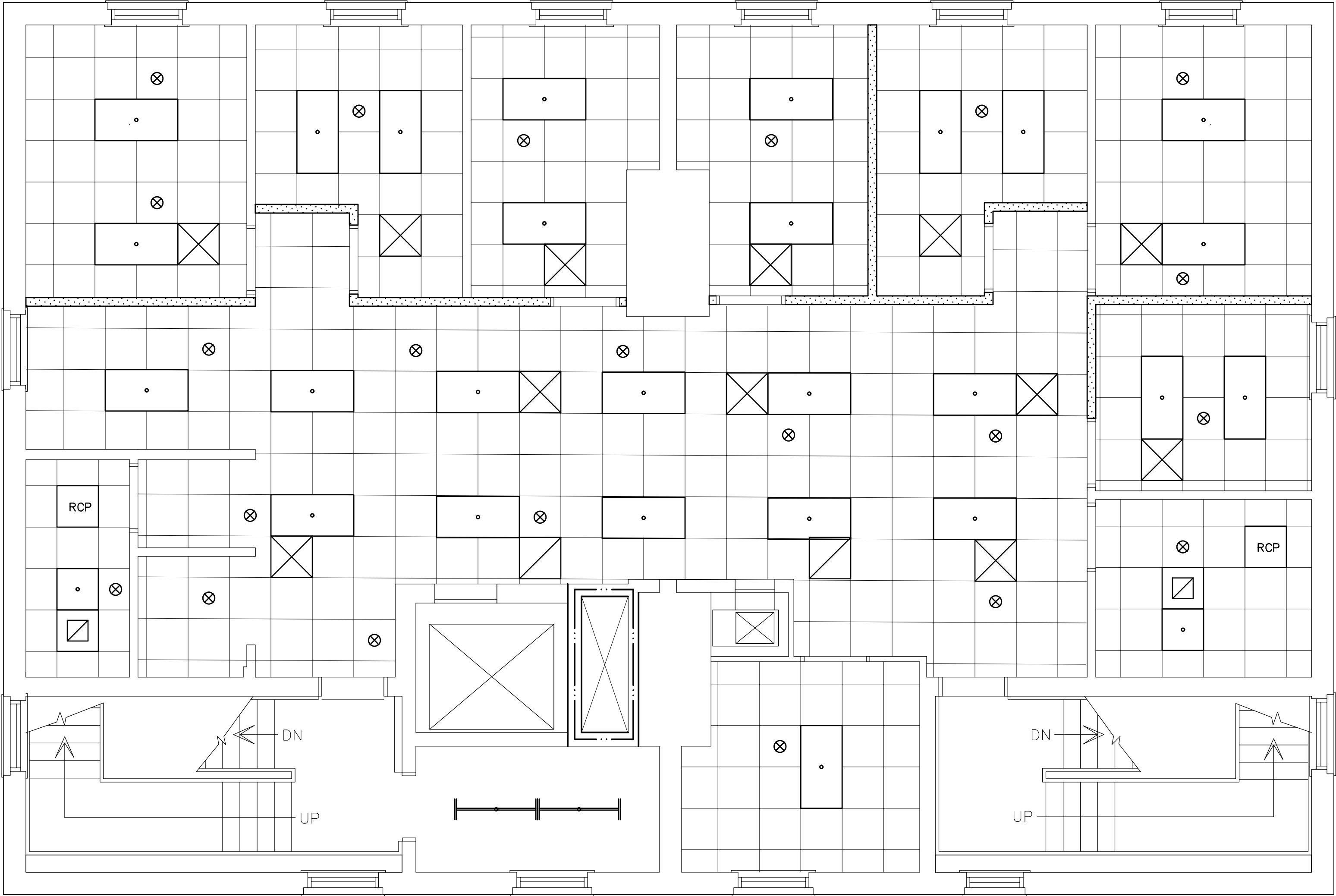
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Second Floor
Reflected Ceiling
Plan

A2.2

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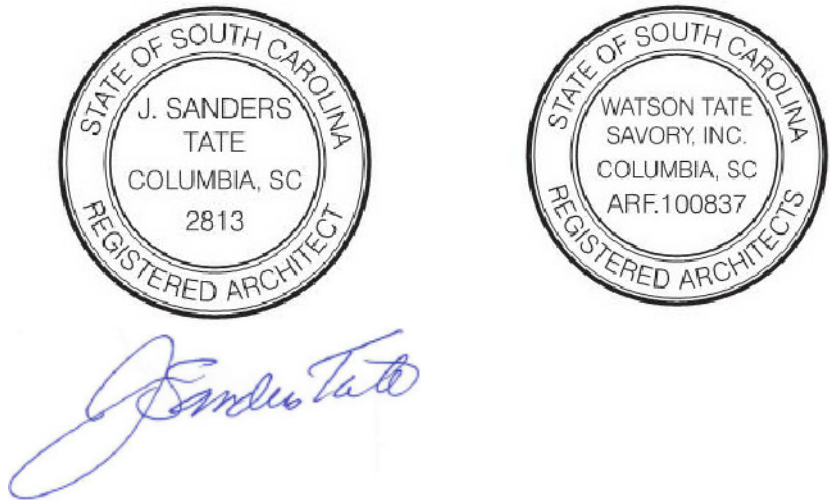
1 THIRD FLOOR REFLECTED CEILING PLAN
A2.3 1/4" = 1'-0"



CEILING HEIGHT:
CEILING HEIGHT TO MATCH EXISTING UNLESS NOTED OTHERWISE AT REFLECTED CEILING PLAN.

CEILING LEGEND

- 2' X 2' ACOUSTICAL CEILING TILE IN SUSPENDED GRID
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- GYPSUM WALLBOARD CEILING STOP (SEE DETAIL 5, DRAWING A5.0)
- RECESSED DOWNLIGHT – EMERGENCY
- RECESSED DOWNLIGHT
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Third Floor
Reflected Ceiling
Plan

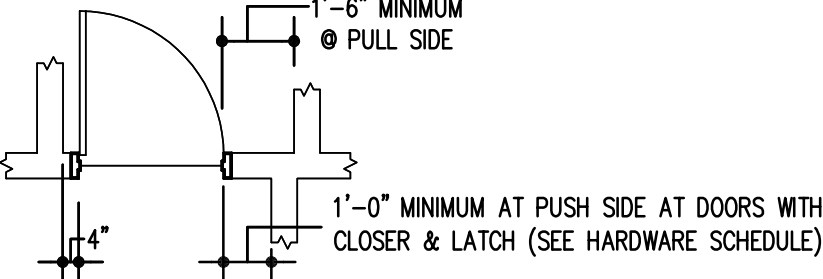
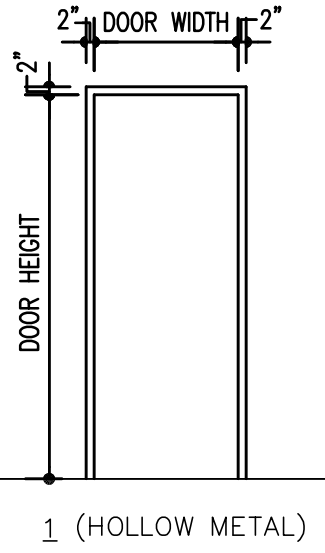
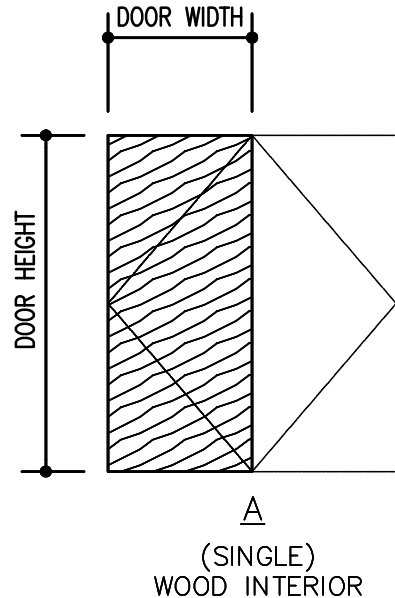
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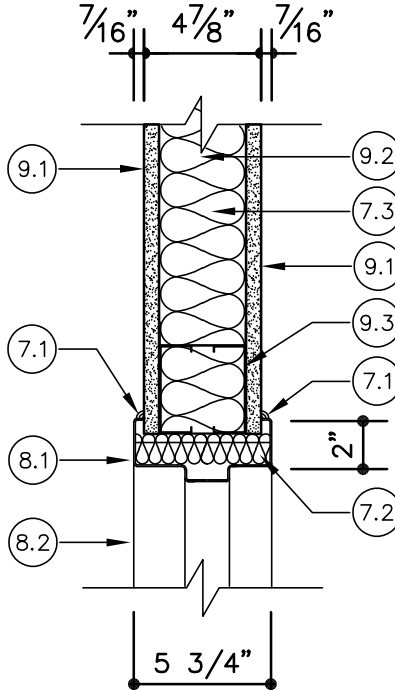
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DOOR SCHEDULE

DOOR MARK	DOOR SIZE	DOOR TYPE	THK.	MATL.	FINISH	RATING	FRAME TYPE	FRAME DETAILS			HDW	REMARKS
								HEAD	JAMB	SILL		
303	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
304	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
305	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
306	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
307	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
308	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	
309	3'-0" X 6'-8"	A	1 3/4"	WOOD	STAIN	---	1	H1	J1	EXIST.	01	

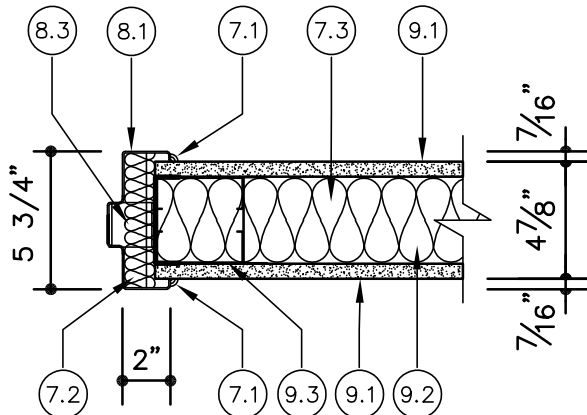


1 DOOR TYPE
A3.0 1/4" = 1'-0"



H1 HEAD
1 1/2" = 1'-0"

2 FRAME TYPE
A3.0 1/4" = 1'-0"

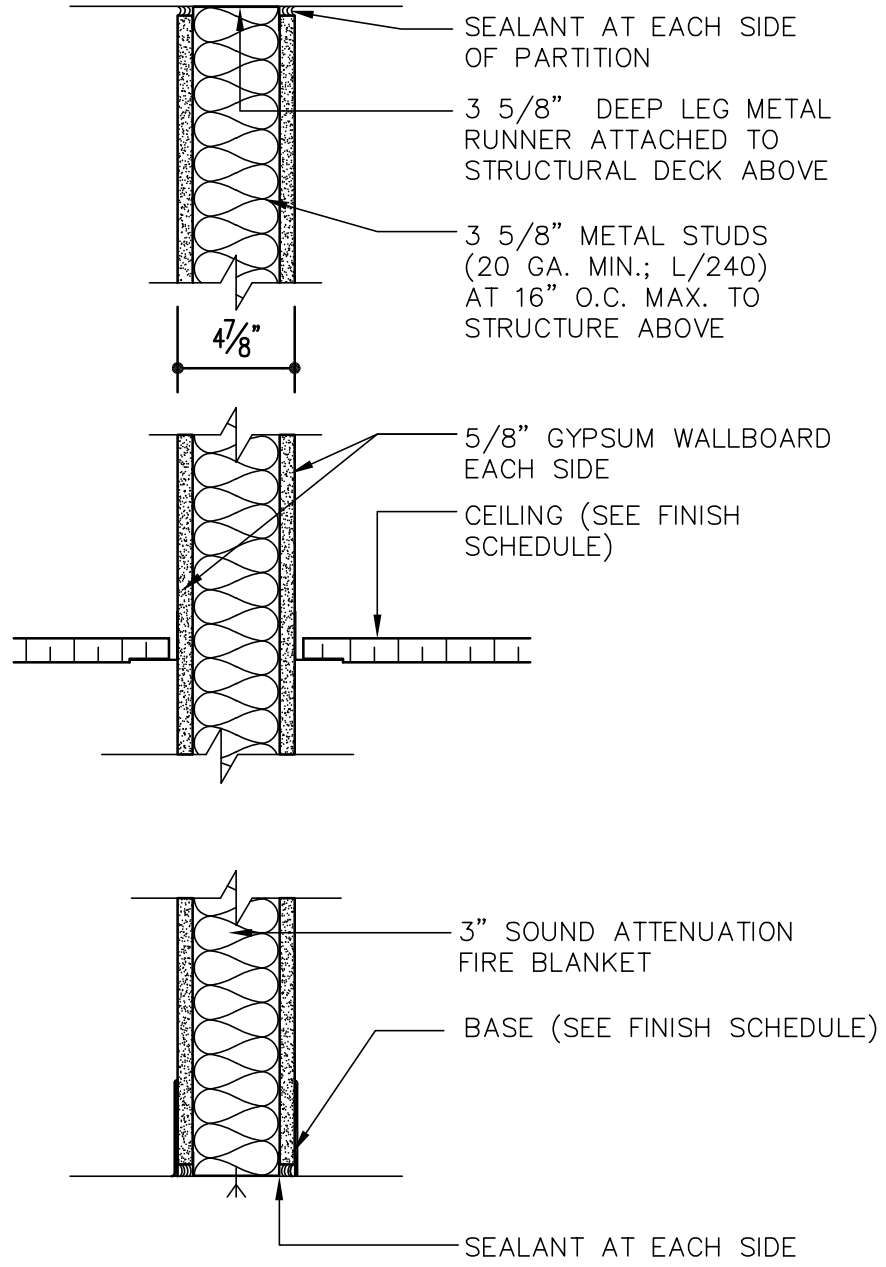


J1 JAMB
1 1/2" = 1'-0"

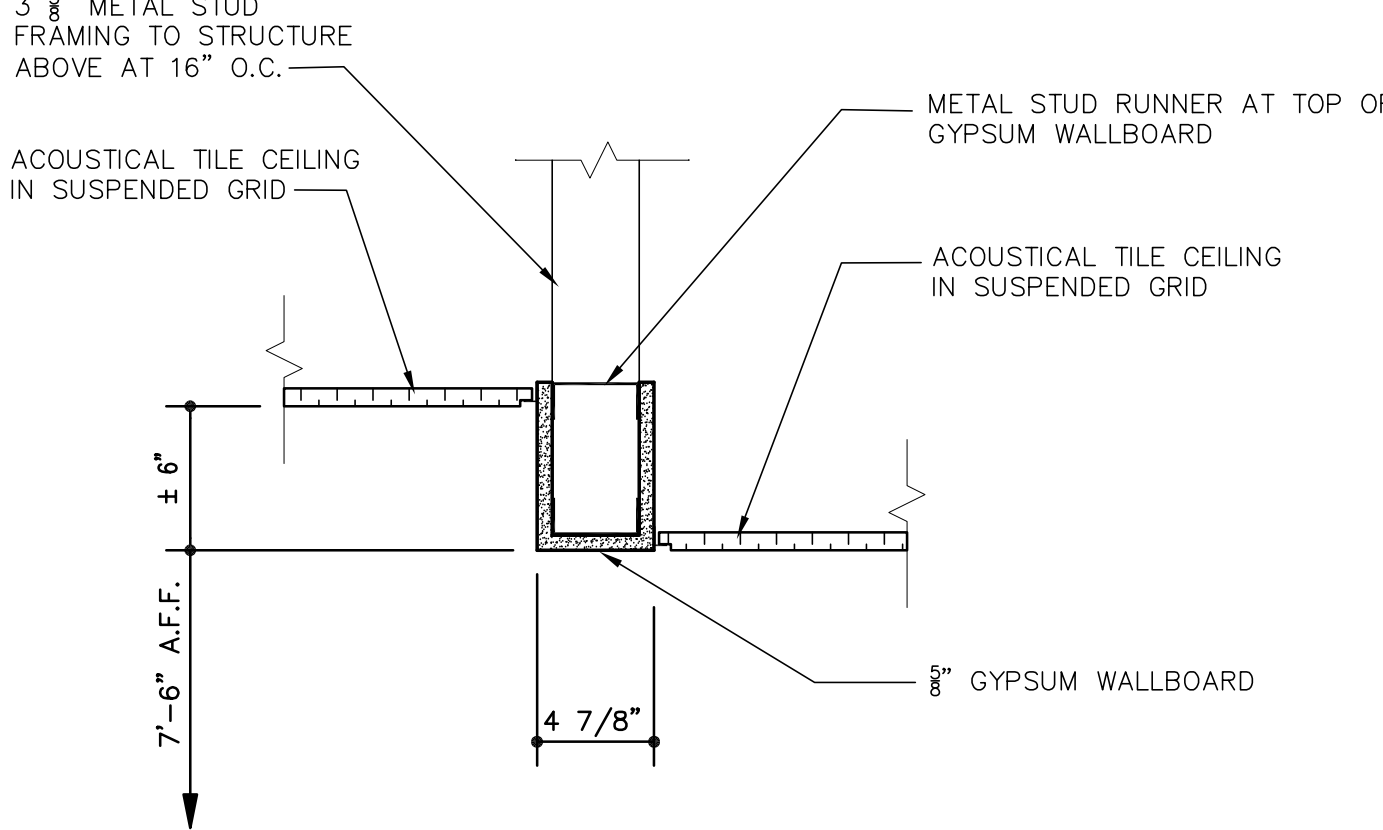
3 TYP. DOOR LOCATION
A3.0 1/4" = 1'-0"

KEY NOTES:

- 7.1 SEALANT AT FRAME PERIMETER
- 7.2 FILL FRAME WITH SOUND BATT INSULATION
- 7.3 SOUND BATT INSULATION
- 8.1 HOLLOW METAL FRAME
- 8.2 LINE OF FRAME AT JAMB BEYOND
- 8.3 JAMB ANCHOR (3 PER JAMB TO 7'-0", 4 PER JAMB ABOVE 7'-0")
- 9.1 5/8" GYPSUM WALLBOARD (TYPE AS REQUIRED FOR PARTITION TYPES)
- 9.2 3 5/8" METAL STUD FRAMING
- 9.3 DOUBLE STUD FRAMING AT HEAD & JAMB



4 PARTITION TYPE 1
A3.0 1 1/2" = 1'-0"



5 CEILING STOP DETAIL
A5 1 1/2" = 1'-0"



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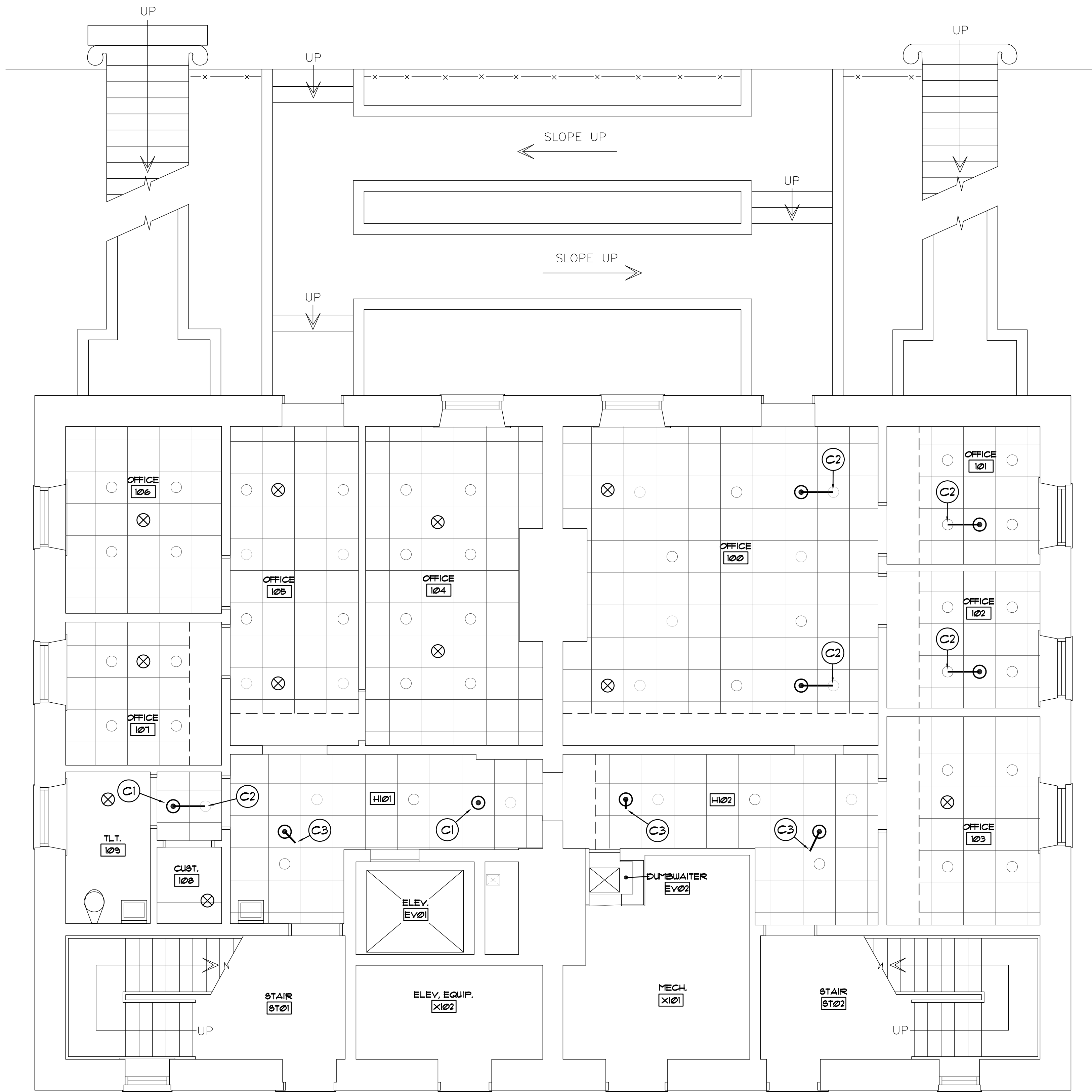
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Schedules &
Details

A3.0

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FIRST FLOOR WET PIPE SPRINKLER SYSTEM PLAN
SCALE: 1/4" = 1'-0"

SPRINKLER CONNECTION NOTES (SHT SP1)

C1. EXISTING CEILING HEIGHT TO BE LOWERED. REPLACE SPRINKLER HEAD AND DROP ELEVATION AS APPLICABLE.

C2. REPLACE SPRINKLER HEAD. RELOCATE TO AVOID LIGHT FIXTURE.

C3. REPLACE SPRINKLER HEAD. RELOCATE TO CENTER OF NEW CEILING TILE.

GENERAL SPRINKLER SYSTEM NOTES (ALL SHEETS)

GENERAL: ALL WORK SHALL BE ACCOMPLISHED BY A CERTIFIED AND LICENSED FIRE PROTECTION CONTRACTOR REGULARLY ENGAGED IN THE DESIGN AND INSTALLATION OF FIRE PROTECTION SYSTEMS UNDER THE LAWS OF THE STATE OF SOUTH CAROLINA.

F1. DO NOT SCALE DRAWINGS. ROUGH FROM ARCHITECTURAL DRGS AND EXISTING CONDITIONS. COORDINATE CEILING FINISHES AND HEIGHTS AS APPLICABLE.

F2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA-13, 2013 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.

F3. COORDINATE SPRINKLER SYSTEMS WITH ALL TRADES TO AVOID INTERFERENCE AND CONFLICTS PRIOR TO INSTALLATION OF PIPING, VALVES AND EQUIPMENT.

F4. LOCATE VALVES TO PERMIT EASY ACCESS AND IN ACCORDANCE WITH NFPA-13.

F5. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.

F6. UNLESS OTHERWISE SHOWN OR NOTED, ALL PIPING SHALL BE RUN CONCEALED AND COORDINATED WITH ALL EXIST CONDITIONS.

F7. LOCATION OF SPRINKLER HEADS ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL MAINTAIN COVERAGES PER NFPA-13. PROVIDE EXTENDED COVERAGE HEADS WHERE APPLICABLE.

F8. CONTRACTOR IS REQUIRED TO NOTIFY ENGINEER MINIMUM (7) DAYS PRIOR TO BID IF PROBLEMS EXIST WITH DESIGN OF HEAD LAYOUTS DUE TO EXIST LINE SIZES.

F9. SPRINKLER HEADS SHALL BE FULLY-RECESSED CHROME PLATED PENDENT HEADS AS MANUFACTURED BY RELIABLE, STAR, VICTAULIC, GEM OR VIKING WITH WHITE FLAT COVERPLATES. RATINGS SHALL MATCH EXISTING HEADS.

F10. LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES. COORDINATE WITH LIGHTING AND MECHANICAL DIFFUSER LOCATIONS PRIOR TO INSTALLATION TO PREVENT CONFLICTS.

F11. SPRINKLER PIPING SHALL BE UL LISTED METALLIC PIPE WITH IDENTIFICATION IN ACCORDANCE WITH NFPA 13. PIPING SHALL BE SCH 40, THREADED OR ROLL GROOVED.

F12. **SUBMITTALS:**

A. SUBMIT DETAILED SHOP DRAWINGS, EQUIPMENT AND MATERIAL CUT SHEETS, AND PRODUCT DATA FOR ALL ITEMS.

1. ALL PRODUCT DATA SHALL BE SUBMITTED AT ONE TIME IN COMPLETE DETAIL. **PARTIAL SUBMISSION WILL NOT BE ACCEPTED.**

2. CONTRACTOR SHALL SUBMIT SEISMIC DESIGN CALCULATIONS COMPLETE WITH SHOP DRAWINGS AND MATERIALS FOR ENGINEER REVIEW.

B. SUBMIT DATA SHEETS FOR THE FOLLOWING ITEMS WITH SHOP DRAWINGS FOR PRELIMINARY REVIEW:

- SPRINKLER PIPING
- CALCULATIONS (AS REQUIRED)
- SPRINKLER HEADS
- PRELIMINARY SHOP DRGS

C. SUBMIT REVISED DRAWINGS AND CALCULATIONS TO ENGINEER FOR REVIEW ONCE ALL PRELIMINARY COMMENTS HAVE BEEN ADDRESSED.

D. ONCE ALL ENGINEER COMMENTS HAVE BEEN ADDRESSED, CONTRACTOR SHALL SUBMIT REVISED SHOP DRGS AND CALCS TO USC FIRE MARSHAL (TODD GRIFFIN) FOR FINAL REVIEW AND ACCEPTANCE PRIOR TO START OF INSTALLATION.

EXISTING SPRINKLER SYSTEM NOTES (ALL SHEETS)

A. EXISTING DRAWINGS FOR THIS PROJECT WERE NOT AVAILABLE AT TIME OF DESIGN.

B. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL EXISTING PIPING AND HEADS INCLUDING LINE SIZES AND SPRK HEAD TYPES TO ESTABLISH EXISTING CONDITIONS PRIOR TO SUBMITTING A BID FOR THIS PROJECT.

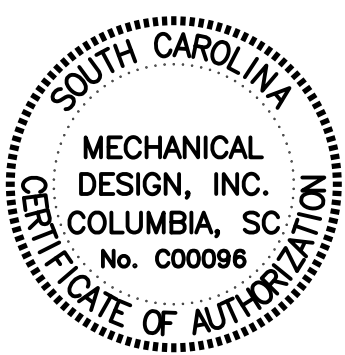
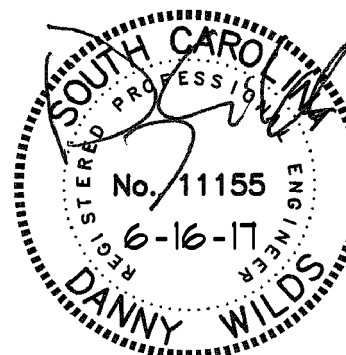
C. RECORD DRGS FOR THIS PROJECT SHALL INCLUDE LOCATIONS OF ALL EXISTING PIPING TO REMAIN.

D. CONTRACTOR SHALL REMOVE ALL EXISTING CONCEALED COVERPLATES AT SPRINKLER HEADS PRIOR TO REMOVAL OF CEILING. PROVIDE NEW WHITE COVERPLATES FOR SPRINKLER HEADS AFTER INSTALLATION OF NEW CEILINGS. COORDINATE WITH HVAC RENOVATION PROJECT AND GC AS REQUIRED. MANUFACTURER OF COVERPLATES SHALL MATCH MANUFACTURER OF EXISTING SPRINKLER HEADS.

E. EXISTING SPRINKLER HEADS PROVIDING COVERAGE ABOVE CEILINGS (BETWEEN FLOORS) SHALL REMAIN IN PLACE.

SPRINKLER HEAD KEY (ALL SHEETS)

SYMBOL	DESCRIPTION
⊗	EXISTING SPRINKLER HEAD TO REMAIN. (NOTE-D)
⊙	NEW SPRINKLER HEAD LOCATION. (NOTES-F9 AND F10)



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UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC
USC Project No: 5003293-2

UNIVERSITY OF
SOUTH CAROLINA

Project Number: 1610

Date: 13 NOVEMBER 2017

Revisions:

NO.	ISSUED FOR	DATE

FIRST Floor
Wet Pipe
Sprinkler Plan

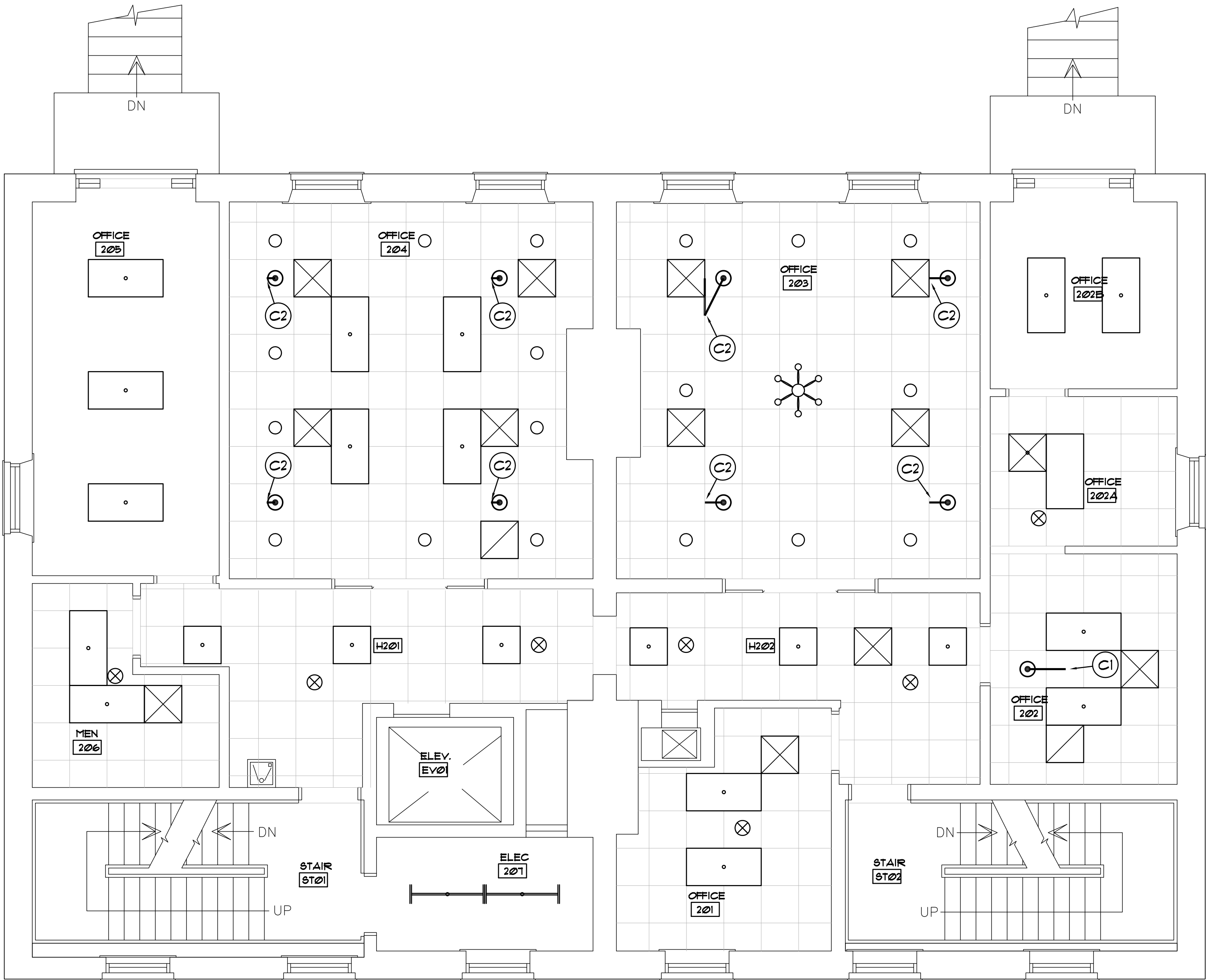
SP1

CONSTRUCTION DOCUMENTS

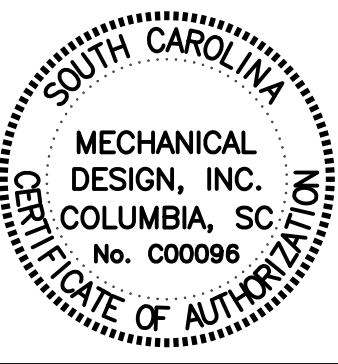
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- SPRINKLER CONNECTION NOTES (SHT SP2)
- C1. REPLACE SPRINKLER HEAD. RELOCATE TO PREVENT CONFLICT WITH FAN COIL UNIT ABOVE CEILING.

C2. REPLACE SPRINKLER HEAD. RELOCATE TO CENTER OF NEW CEILING TILE.



SECOND FLOOR WET PIPE SPRINKLER SYSTEM PLAN
SCALE: 1/4" = 1'-0"



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SECOND Floor
Wet Pipe
Sprinkler Plan

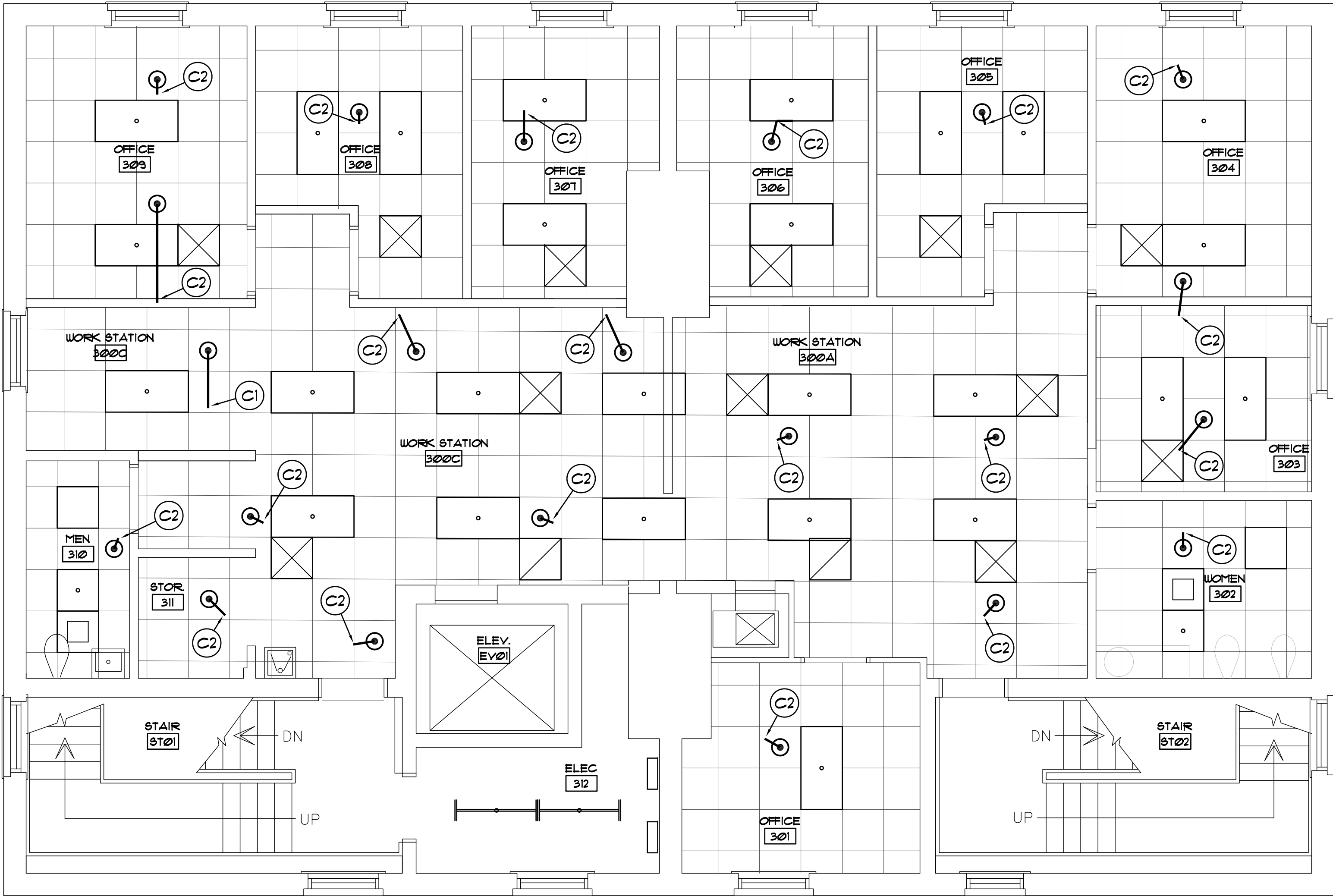
SP2

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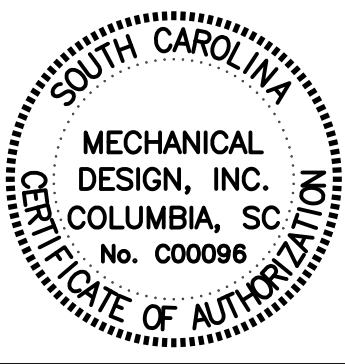
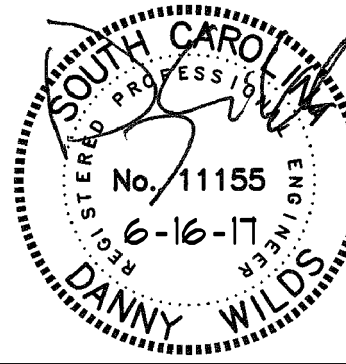
SPRINKLER CONNECTION NOTES (SHT SP3)

C1. PROVIDE SPRINKLER HEAD TO MAINTAIN COVERAGES. EXTEND AND CONNECT TO NEAREST BRANCH LINE. FIELD VERIFY EXACT SIZE AND LOCATION.

C2. REPLACE SPRINKLER HEAD. RELOCATE TO CENTER OF NEW CEILING TILE.



THIRD FLOOR WET PIPE SPRINKLER SYSTEM PLAN
SCALE: 1/4" = 1'-0"



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THIRD Floor
Wet Pipe
Sprinkler Plan

SP3

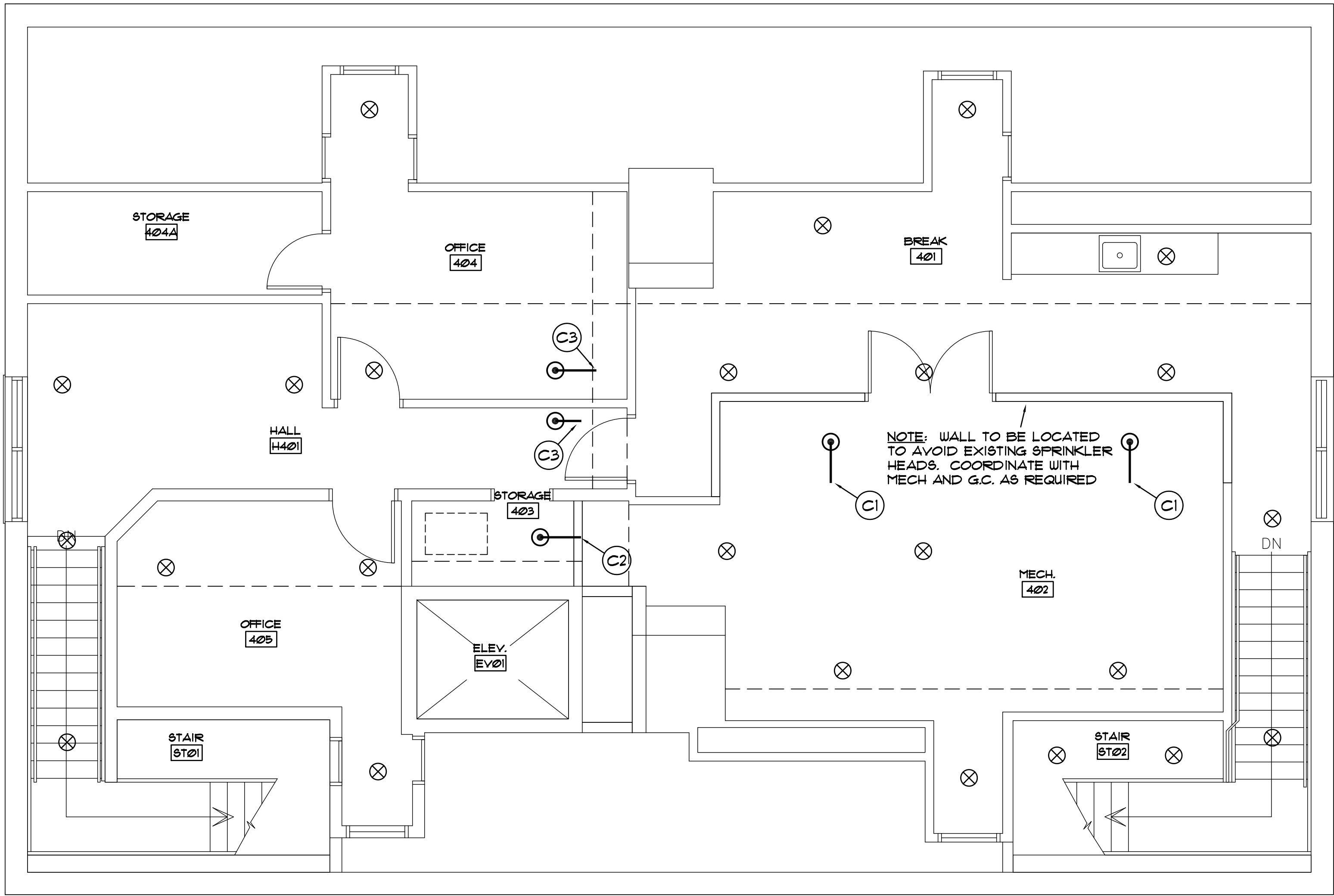
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SPRINKLER CONNECTION NOTES (SHT SP4)

C1. PROVIDE SPRINKLER HEAD TO MAINTAIN COVERAGES. EXTEND AND CONNECT TO NEAREST BRANCH LINE. FIELD VERIFY EXACT SIZE AND LOCATION.

C2. RELOCATE SPRINKLER HEAD TO AVOID NEW WALL - SEE ARCH DRGS.

C3. RELOCATE SPRINKLER HEAD TO AVOID HVAC SOFFIT - SEE ARCH DRGS.



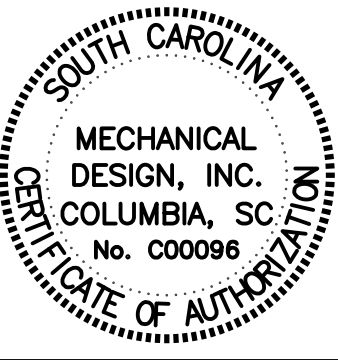
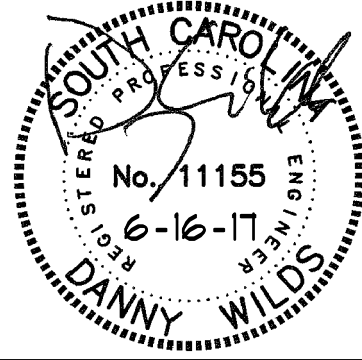
FOURTH FLOOR DRY PIPE SPRINKLER SYSTEM PLAN

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

NOTES:

1. IT IS ASSUMED SPRINKLER HEADS SERVING THE FOURTH FLOOR ARE SERVED FROM THE DRY PIPE SYSTEM WHICH ALSO SERVES THE ATTIC. CONTRACTOR SHALL VERIFY SYSTEM AND HEAD TYPES PRIOR TO START OF CONSTRUCTION TO PREVENT CONFLICTS.

2. CONTRACTOR SHALL CUT SHEETROCK CEILINGS AS REQUIRED FOR THE INSTALLATION / RELOCATION OF SPRINKLER HEADS. PATCHING OF FINISHED SURFACES SHALL BE BY THE G.C.



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FOURTH Floor
Dry Pipe
Sprinkler Plan

SP4

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LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LIGHT SOURCE
	A	2'x4' CURVED CENTER-BASKET L.E.D. STATIC GRID TROFFER.	H.E. WILLIAMS	AT1-24-L55/840-D-EQCLIPS-DIM-UNV with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	DIFFUSE MATTE ACRYLIC CENTER	CEILING GRID RECESSED	120/277V UNIVERS.	L.E.D. - 5500 lumens, 4000K, 80 CRI (MINIMUM)
	AE	SAME AS FIXTURE TYPE "A" EXCEPT PROVIDE BATTERY PACK OPTION.	H.E. WILLIAMS	AT1-24-L55/840-D-EQCLIPS-DIM-UNV-EM/10W with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	DIFFUSE MATTE ACRYLIC CENTER	CEILING GRID RECESSED	120/277V UNIVERS.	L.E.D. - 5500 lumens, 4000K, 80 CRI (MINIMUM)
	B	2'x2' CURVED CENTER-BASKET L.E.D. STATIC GRID TROFFER.	H.E. WILLIAMS	AT1-22-L50/840-D-EQCLIPS-DRV-UNV with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	DIFFUSE MATTE ACRYLIC CENTER	CEILING GRID RECESSED	120/277V UNIVERS.	L.E.D. - 5000 lumens, 4000K, 80 CRI (MINIMUM)
	BE	SAME AS FIXTURE TYPE "B" EXCEPT PROVIDE BATTERY PACK OPTION.	H.E. WILLIAMS	AT1-22-L50/840-D-EQCLIPS-DIM-UNV-EM/10W with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	DIFFUSE MATTE ACRYLIC CENTER	CEILING GRID RECESSED	120/277V UNIVERS.	L.E.D. - 5000 lumens, 4000K, 80 CRI (MINIMUM)
	C	6" L.E.D. RECESSED DOWNLIGHT (FOR REMODEL APPLICATIONS).	LUMENOPTIX	LRD3-06-30-9340-M-RM-FW-DUX with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	CLEAR SEMI SPECULAR WHITE FLANGE	CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 3000 lumens, 4000K 90 CRI (MINIMUM)
	CE	SAME AS FIXTURE TYPE "C" EXCEPT PROVIDE BATTERY PACK OPTION.	LUMENOPTIX	LRD3-06-30-9340-M-RM-FW-DUX-EB with 5-YEAR WARRANTY ON L.E.D. ARRAYS AND DRIVER.	CLEAR SEMI SPECULAR WHITE FLANGE	CEILING RECESSED	120/277V UNIVERS.	L.E.D. - 3000 lumens, 4000K 90 CRI (MINIMUM)
	-	EDGE-LIT L.E.D. EXIT SIGN WITH SINGLE FACE AND GREEN LETTERING. PROVIDE ARROWS/CHEVRONS AS SHOWN ON PLAN.	EMERGI-LITE	TA-PEN-F-1-GC with 3-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.	GREEN LETTERING ON CLEAR SURFACE	UNIVERSAL WALL OR CEILING	120/277V UNIVERS.	L.E.D. - COMPLY WITH 2015 IBC
	-	EDGE-LIT L.E.D. EXIT SIGN WITH DOUBLE FACE AND GREEN LETTERING. PROVIDE ARROWS/CHEVRONS AS SHOWN ON PLAN.	EMERGI-LITE	TA-PEN-F-2-GC with 3-YEAR FULL WARRANTY ON ARRAYS AND DRIVER.		UNIVERSAL WALL OR CEILING	120/277V UNIVERS.	L.E.D. - COMPLY WITH 2015 IBC

NOTE: PROVIDE GRID HOLD-DOWN CLIPS FOR EACH 2'x4' FIXTURE AS REQUIRED TO COMPLY WITH ASTM E-580 AND THE INTERNATIONAL BUILDING CODE.

GENERAL CONSTRUCTION NOTES			
1. PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:			
INTERNATIONAL EXISTING BUILDING CODE		2015 EDITION	
NFPA 70 - NATIONAL ELECTRICAL CODE		2014 EDITION	
ANSI A117.1 - ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES		2009 EDITION	
2. PROVIDE NEW RACEWAY AND WIRING TO ALL DEVICES, FIXTURES, AND EQUIPMENT INDICATED ON THE CONTRACT DRAWINGS. THE DRAWINGS INDICATE PARTIAL RACEWAY AND WIRING REQUIREMENTS TO HELP CLARIFY DESIGN INTENT. WHERE RACEWAY AND/OR WIRING IS NOT INDICATED FOR DEVICES, FIXTURES, OR EQUIPMENT THE ARRANGEMENT, GROUPING, AND ROUTING SHALL BE PROVIDED IN ACCORDANCE WITH THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE.		10. THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION. THE CONTRACTOR SHALL INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL FIXTURES AND SYSTEMS. FURNISH 3 SETS OF OPERATION AND MAINTENANCE MANUALS TO THE OWNER FOR THE INSTALLED LIGHTING SYSTEM.	
3. PROVIDE FIXTURES AS SHOWN IN THE LIGHTING FIXTURE SCHEDULE OR PRIOR-APPROVED EQUALS BY COOPER OR LITHONIA.		11. THE CONTRACTOR SHALL GUARANTEE THE WORK INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE. DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER. SEE SPECIAL LIGHTING WARRANTY REQUIREMENTS IN LIGHTING FIXTURE SCHEDULE.	
4. ALL FIXTURES AND ELECTRICAL MATERIALS SHALL BE U.L. TESTED & LISTED OR BE TESTED & LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.		12. CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:	
5. ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE 2-HOUR FIRESTOPPED - HILTI OR EQUAL.		A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.	
6. RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE FIXTURE WHIPS THAT COMPLY WITH THE NATIONAL ELECTRICAL CODE.		B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO REQUIREMENTS OF THE CONTRACT DOCUMENTS.	
7. JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. PROVIDE JUNCTION BOXES AS REQUIRED FOR POWER AND CONTROL WIRING RENOVATIONS.		C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.	
8. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.		PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING, FITTING, AND PATCHING.	
9. PROVIDE SEISMIC WIRE SUPPORTS TO SUPPORT ALL NEW LIGHTING FIXTURES - ENSURE INSTALLATION COMPLIES WITH ASTM E-580 AND THE INTERNATIONAL BUILDING CODE (ONE WIRE FOR EACH DOWNLIGHT & EXIT SIGN AND TWO WIRES FOR ALL OTHER LIGHTING FIXTURES).		PATCH AND PAINT EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING AND PAINTING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.	

GENERAL DEMOLITION NOTES

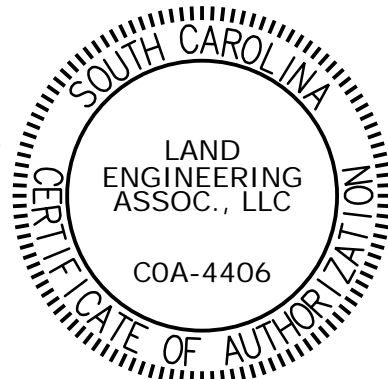
1. REMOVE AND LEGALLY DISPOSE OF ALL EXISTING CONTROLS, DEVICES, LIGHTING FIXTURES, EXIT SIGNS, AND ALL ASSOCIATED RACEWAY AND WIRING NOTED ON PLANS. PROVIDE 2-HOUR RATED FIRESTOPPING COMPOUND IN HOLES WHERE EXISTING RACEWAYS ARE REMOVED.
2. THE CONTRACTOR SHALL VISIT THE SITE/ BUILDING TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND SHALL INCLUDE ALL WORK REQUIRED FOR COMPLETE DEMOLITION AND RENOVATION IN HIS BID.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE: TYPE, CIRCUIT NUMBER, AND SWITCHLEG AS INDICATED. SEE THE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL SYMBOLS AND TYPES.
	SINGLE OR DOUBLE FACE EXIT SIGN, CEILING MOUNTED. PROVIDE DIRECTIONAL ARROWS/CHEVRONS AS INDICATED ON PLAN.
	SINGLE OR DOUBLE FACE EXIT SIGN, WALL OR BACK MOUNTED. PROVIDE DIRECTIONAL CHEVRONS (ARROWS) AS INDICATED ON PLAN.
	DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED. PROVIDE WATTSTOPPER #DT300 WITH #BZ-50 UNIVERSAL VOLTAGE POWER PACK OR EQUAL. PROVIDE CONTROL AND LOW-VOLTAGE WIRING AS RECOMMENDED BY THE SENSOR MANUFACTURER.
	SINGLE-POLE WALL SWITCH OCCUPANCY SENSOR - WATTSTOPPER #PW-301 WITH WHITE PHENOLIC WALLPLATE. FLUSH MOUNT SWITCH IN WALL AT 42" ABOVE FINISHED FLOOR.
	SLIDE WALL DIMMER WITH ON/OFF BUTTON RATED FOR 0-10 VOLT DIMMING (LUTRON OR EQUAL). INSTALL SWITCH IN A METAL BACKBOX AND PROVIDE PLENUM-RATED LOW-VOLTAGE CONTROL WIRING AS RECOMMENDED BY THE DIMMER MANUFACTURER.
	3-WAY TOGGLE SWITCH RATED 120 VOLTS, 20 AMPS. FLUSH MOUNT SWITCH IN WALL AT 42 INCHES ABOVE FINISHED FLOOR.
	EXISTING WALL MOUNTED 3-WAY SWITCH - TO REMAIN IN PLACE.
	EXISTING WALL MOUNTED SINGLE-POLE SWITCH - TO REMAIN IN PLACE.
	EXISTING WALL MOUNTED SINGLE-POLE SWITCH - REMOVE OUTLET AND ASSOCIATED RACEWAY AND WIRING WHERE WALL IS DEMOLISHED. PROVIDE A BLANK WALLPLATE OVER BACKBOX WHERE INDICATED.
	EXISTING WALL MOUNTED LIGHT SWITCH. REMOVE SWITCH AND PROVIDE A BLANK, IVORY WALLPLATE TO COVER BACKBOX.
	EXISTING INCANDESCENT DIMMER SWITCH - TO REMAIN IN PLACE.
	EXISTING 120/208 VOLT PANELBOARD - TO REMAIN IN PLACE.
	STEEL JUNCTION BOX, WALL MOUNTED.
	STEEL JUNCTION BOX, UNIT OR CEILING MOUNTED UNLESS NOTED OTHERWISE.
	DUPLEX RECP.TACLE, NEMA 5-20R. FLUSH MOUNT DEVICE IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.
	A.D.A. COMPLIANT FLUSH FLOOR BOX WITH TWO 5-20R DUPLEX RECEPTACLES AND ONE TWO-PORT DATA WALLPLATE w/ TWO CATEGORY-6 RJ-45 JACKS. FLUSH MOUNT BOX IN WOOD FLOOR PER MANUFACTURER'S INSTRUCTIONS.
	VOICE/DATA COMMUNICATIONS OUTLET. PROVIDE A 4" SQUARE STEEL BOX WITH SINGLE-GANG PLASTER RING MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A ONE INCH EMT RACEWAY WITH PULL STRING CONCEALED IN WALL FROM OUTLET TO CEILING SPACE ABOVE ACOUSTICAL DROP CEILING. PROVIDE A FIBER BUSHING ON BOTH ENDS OF RACEWAY.
	WIREMOLD #4000 SURFACE METAL RACEWAY WITH TWO CHANNELS. MOUNT WITH TOP AT 18 INCHES ABOVE FINISHED FLOOR AND PROVIDE ALL NECESSARY TRANSITION FITTINGS AND END-CAPS.
	DUPLEX, 120-VOLT, 20-AMP RATED RECEPTACLE MOUNTED IN SURFACE METAL RACEWAY.
	DUAL-PORT JACK WITH TWO CATEGORY-6 RATED RJ-45 FEMALE JACKS MOUNTED IN SURFACE METAL RACEWAY. COORDINATE COLOR REQUIREMENTS OF JACKS WITH OWNER.
	EXISTING WALL MOUNTED 120-VOLT DUPLEX RECEPTACLE - TO REMAIN IN PLACE. MAINTAIN INTEGRITY OF EXISTING CIRCUIT.
	EXISTING WALL MOUNTED 120-VOLT DUPLEX RECEPTACLE -REMOVE REMOVE OUTLET AND ASSOCIATED RACEWAY AND WIRING.
	EXISTING COMBINATION LIGHT SWITCH AND 120-VOLT RECEPTACLE OUTLET - REMOVE REMOVE OUTLET AND ASSOCIATED RACEWAY AND WIRING.
	EXISTING VOICE/DATA COMMUNICATION OUTLET - REMOVE OUTLET AND ASSOCIATED RACEWAY AND WIRING/CABLING.
	EXISTING WALL MOUNTED OUTLET - TO REMAIN IN PLACE.

ELECTRICAL DRAWING INDEX

E1	GENERAL NOTES, LEGEND, AND SCHEDULES
E2	LIGHTING DEMOLITION PLANS
E3	LIGHTING RENOVATION PLANS
E4	3rd FLOOR ELECTRICAL DEMOLITION PLAN
E5	3rd FLOOR ELECTRICAL RENOVATION PLAN



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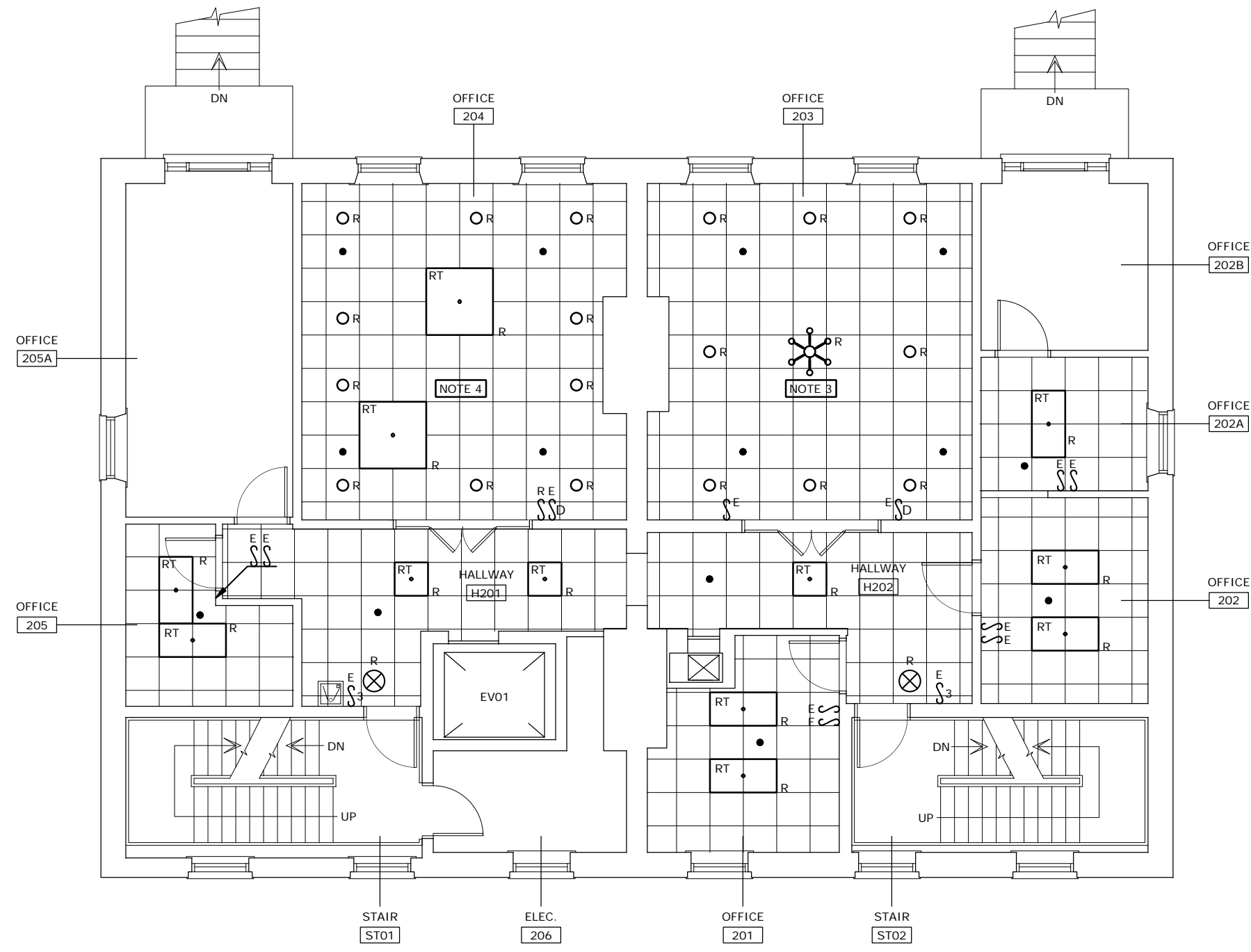
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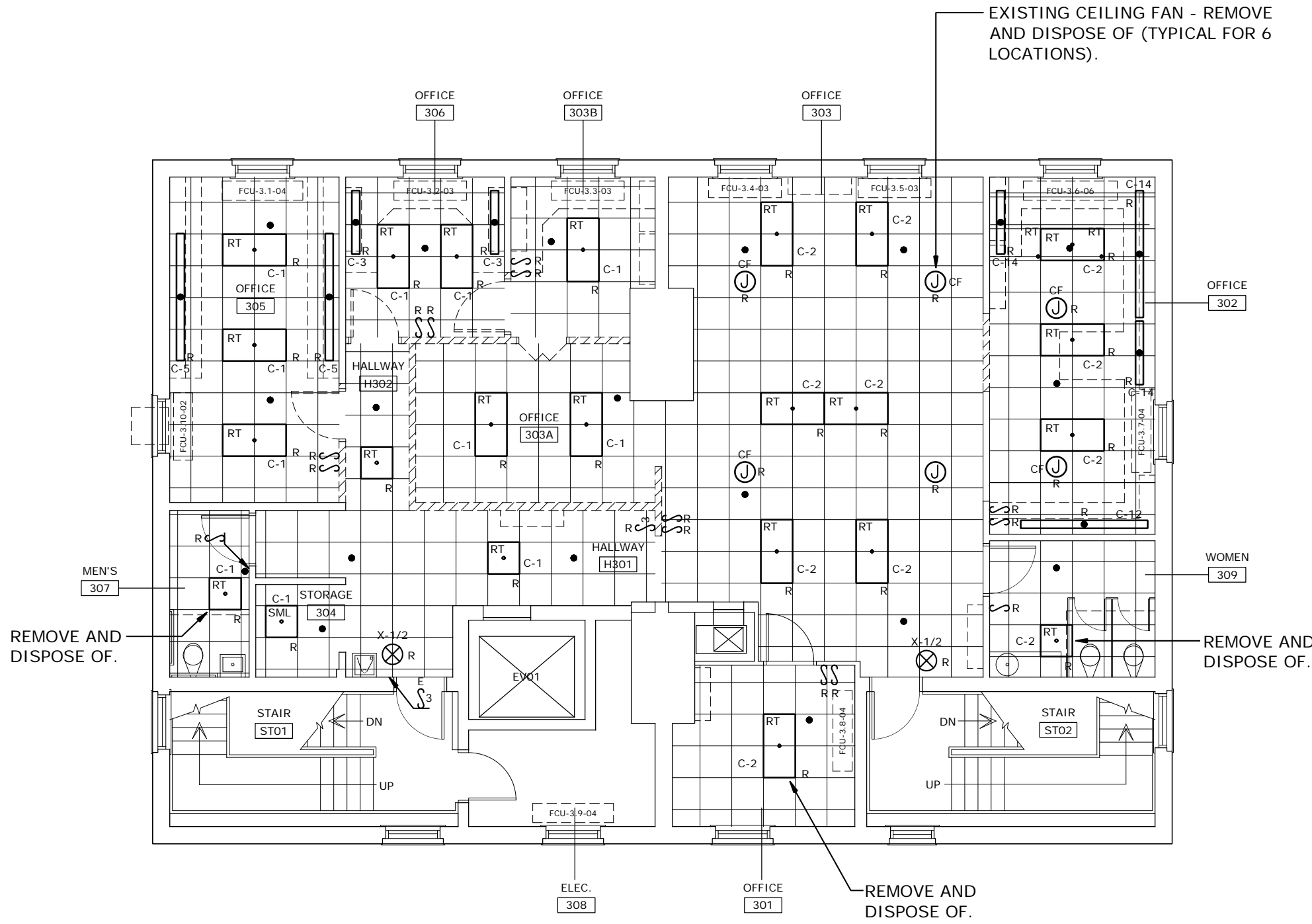
GENERAL
NOTES,
DIAGRAMS,
LEGEND, AND
SCHEDULES

E1

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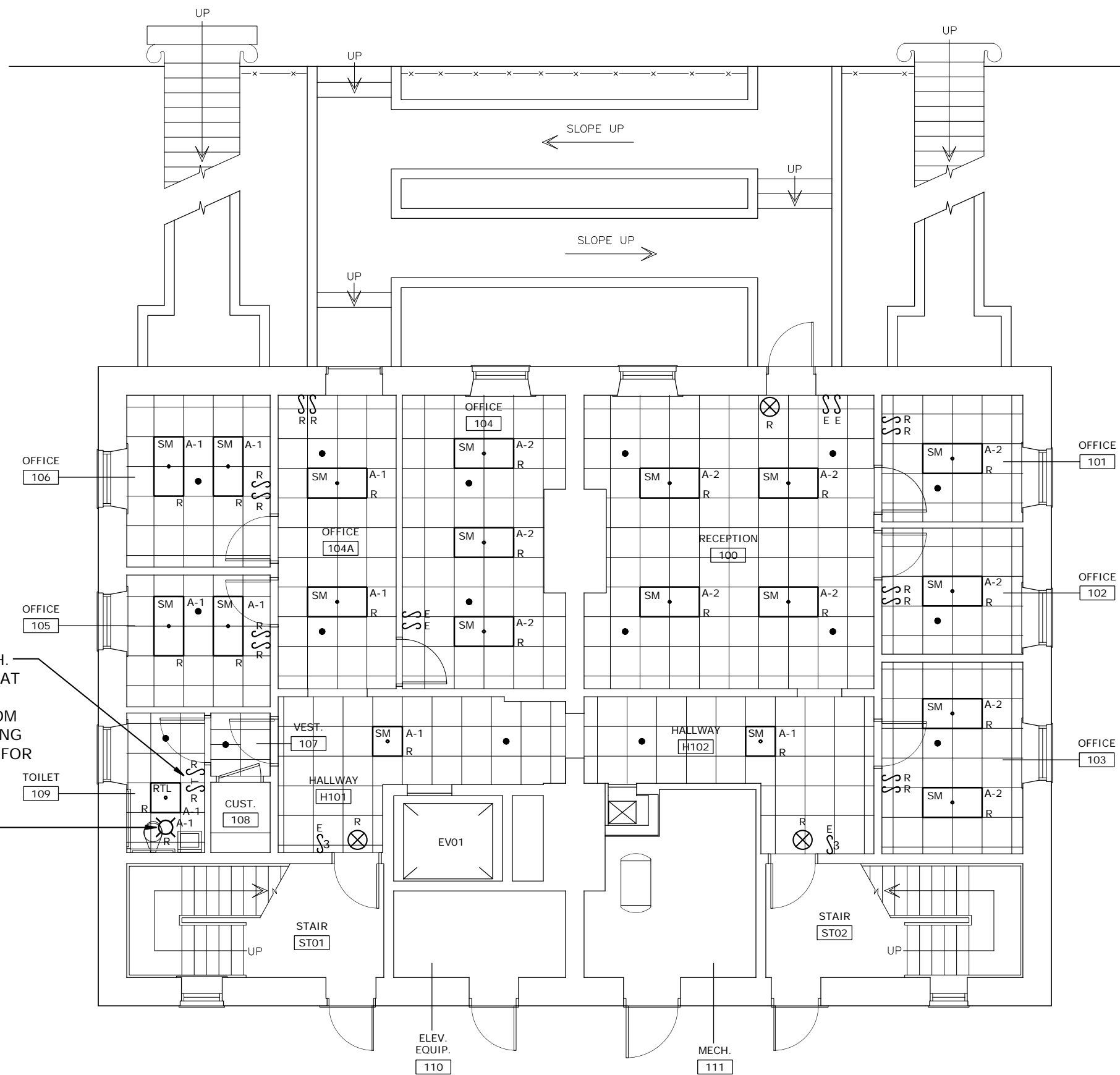
2 2nd FLOOR LIGHTING DEMOLITION PLAN
E2 SCALE: 1/8" = 1'-0"



3 3rd FLOOR LIGHTING DEMOLITION PLAN
E2 SCALE: 1/8" = 1'-0"

DEMOLITION NOTES

- CIRCUIT NUMBERS SHOWN ON PLAN WERE COPIED FROM DRAWINGS OF A 1984 RENOVATION PROJECT FOR THE BUILDING - FIELD VERIFY SOURCE OF CIRCUITS PRIOR TO WORKING ON EXISTING CIRCUIT WIRING.
- WHERE WHERE EXISTING LIGHTING FIXTURES AND CEILING FANS ARE INDICATED TO BE REMOVED AND DISPOSED OF, REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS THAT SERVE THEM BACK TO THEIR ORIGIN, UNLESS THEY WILL BE RE-USED TO SERVE NEW LIGHTING FIXTURES.
- ROOM 203: REMOVE AND STORE EXISTING DOWNLIGHTS AND CHANDELIER - THEY SHALL BE RE-INSTALLED IN THE RENOVATION PHASE OF THE PROJECT.
- ROOM 204: REMOVE AND STORE EXISTING DOWNLIGHTS - THEY SHALL BE RE-INSTALLED IN THE RENOVATION PHASE OF THE PROJECT.



1 1st FLOOR LIGHTING DEMOLITION PLAN
E2 SCALE: 1/8" = 1'-0"

EXISTING FIXTURE LEGEND

SYMBOL	DESCRIPTION
	SIZE: CUSTOM MOUNTING: PENDANT TYPE: CHANDELIER REMOVE, STORE, AND RE-INSTALL ON NEW CEILING.
	SIZE: 4' X 4' MOUNTING: RECESSED TYPE: TROFFER, PARABOLIC REMOVE AND DISPOSE OF.
	SIZE: 2' X 4' MOUNTING: RECESSED TYPE: TROFFER, PARABOLIC REMOVE, STORE, AND RE-INSTALL ON NEW CEILING U.N.O.
	SIZE: 2' X 4' MOUNTING: SURFACE MOUNTED TYPE: MODULAR, PARABOLIC REMOVE AND DISPOSE OF.
	SIZE: 2' X 2' MOUNTING: RECESSED TYPE: TROFFER, PARABOLIC REMOVE, STORE, AND RE-INSTALL ON NEW CEILING U.N.O.
	SIZE: 2' X 2' MOUNTING: RECESSED TYPE: TROFFER, LENSED REMOVE AND DISPOSE OF.
	SIZE: 2' X 2' MOUNTING: SURFACE MOUNTED TYPE: MODULAR, PARABOLIC REMOVE AND DISPOSE OF.
	SIZE: 2' X 2' MOUNTING: SURFACE MOUNTED TYPE: MODULAR, LENSED REMOVE AND DISPOSE OF.
	SIZE: 6" MOUNTING: RECESS MOUNTED TYPE: INCANDESCENT DOWNLIGHT REMOVE, STORE, AND RE-INSTALL ON NEW CEILING.
	SIZE: 4' MOUNTING: SURFACE MOUNTED TYPE: STRIP REMOVE AND DISPOSE OF.
	SIZE: 4' OR 8' MOUNTING: SURFACE MOUNTED TYPE: FLUORESCENT TASK LIGHT REMOVE AND DISPOSE OF.
	SIZE: N/A MOUNTING: CEILING OR WALL TYPE: EXIT SIGN REMOVE AND DISPOSE OF.
	CEILING MOUNTED SPRINKLER HEAD

U.N.O. = UNLESS NOTED OTHERWISE

COORDINATION NOTE

THIS PROJECT WILL BE PERFORMED CONCURRENT WITH A SECOND PROJECT THAT IS ASSOCIATED WITH REPLACING EXISTING HVAC SYSTEMS IN LIEBER COLLEGE. IN THE HVAC PROJECT, CEILINGS ARE BEING DEMOLISHED BY ANOTHER CONTRACTOR. COORDINATE THE LIGHTING FIXTURE DEMOLITION AND RENOVATION WORK OF THIS PROJECT WITH THE CEILING DEMOLITION AND RENOVATIONS THAT ARE A PART OF THE HVAC PROJECT.

ARCHITECTURE
INTERIORS
PLANNING

WTS
WATSON TATE SAVORY

LIEBER COLLEGE MISCELLANEOUS
INTERIOR RENOVATIONS
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

USC Project No: 5003293-2



UNIVERSITY OF
SOUTH CAROLINA

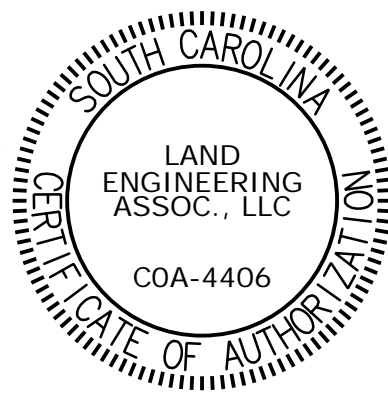
Project Number: 1610
Date: 13 NOVEMBER 2017

Revisions:

NO.	ISSUED FOR	DATE

LIGHTING
DEMOLITION
PLANS

E2



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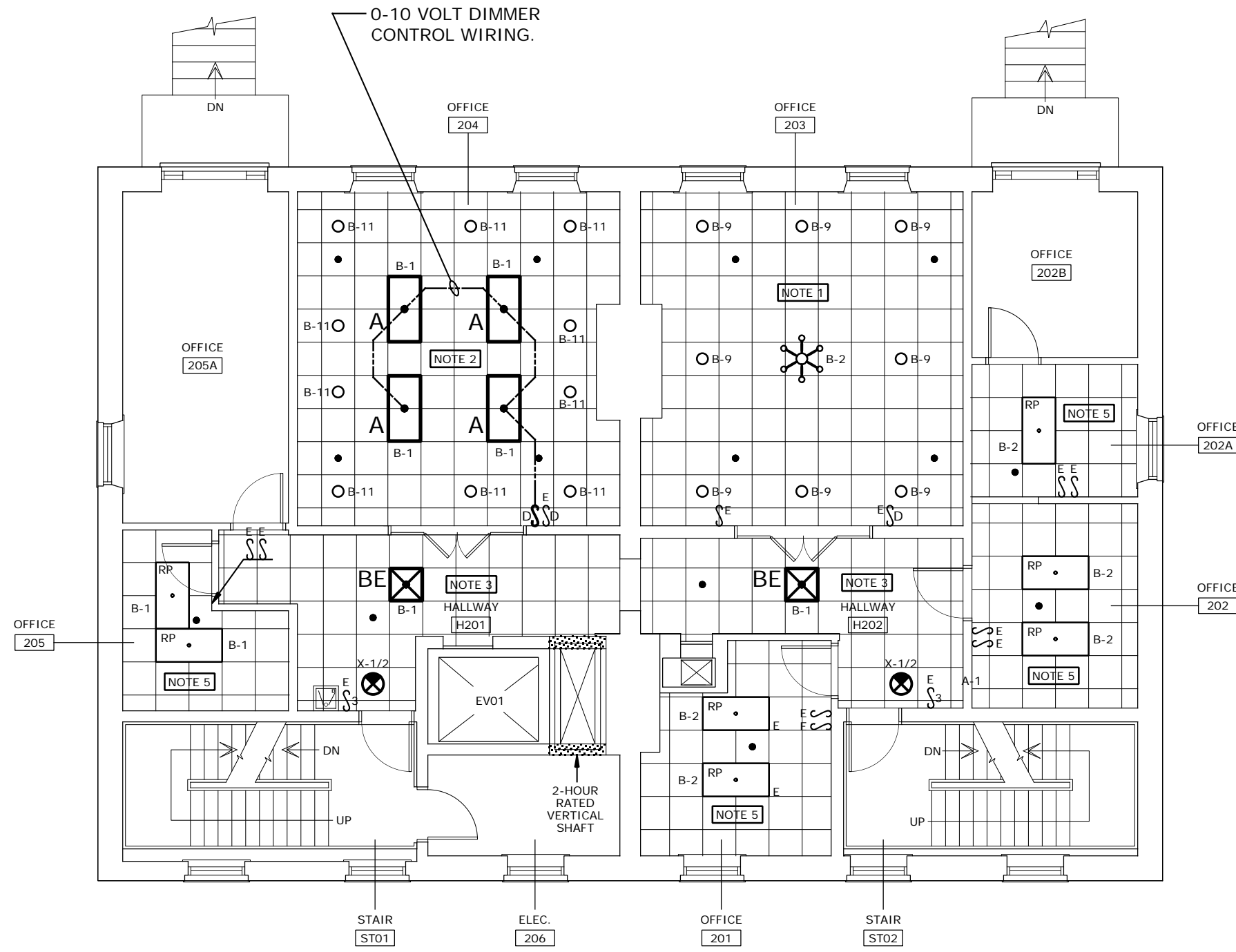
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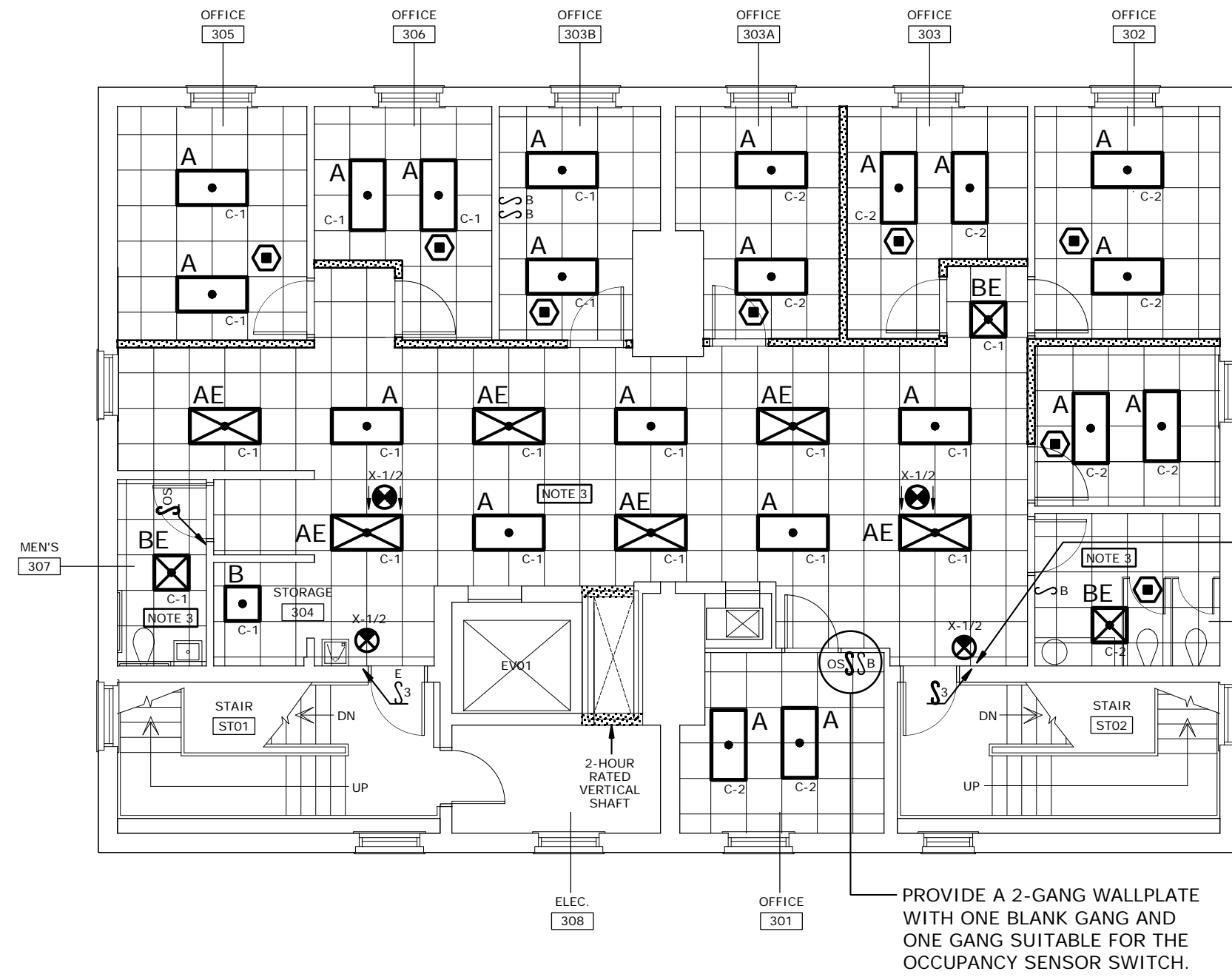
1/8"=1'-0"
4 0 4 8 16
scale feet

CONSTRUCTION DOCUMENTS

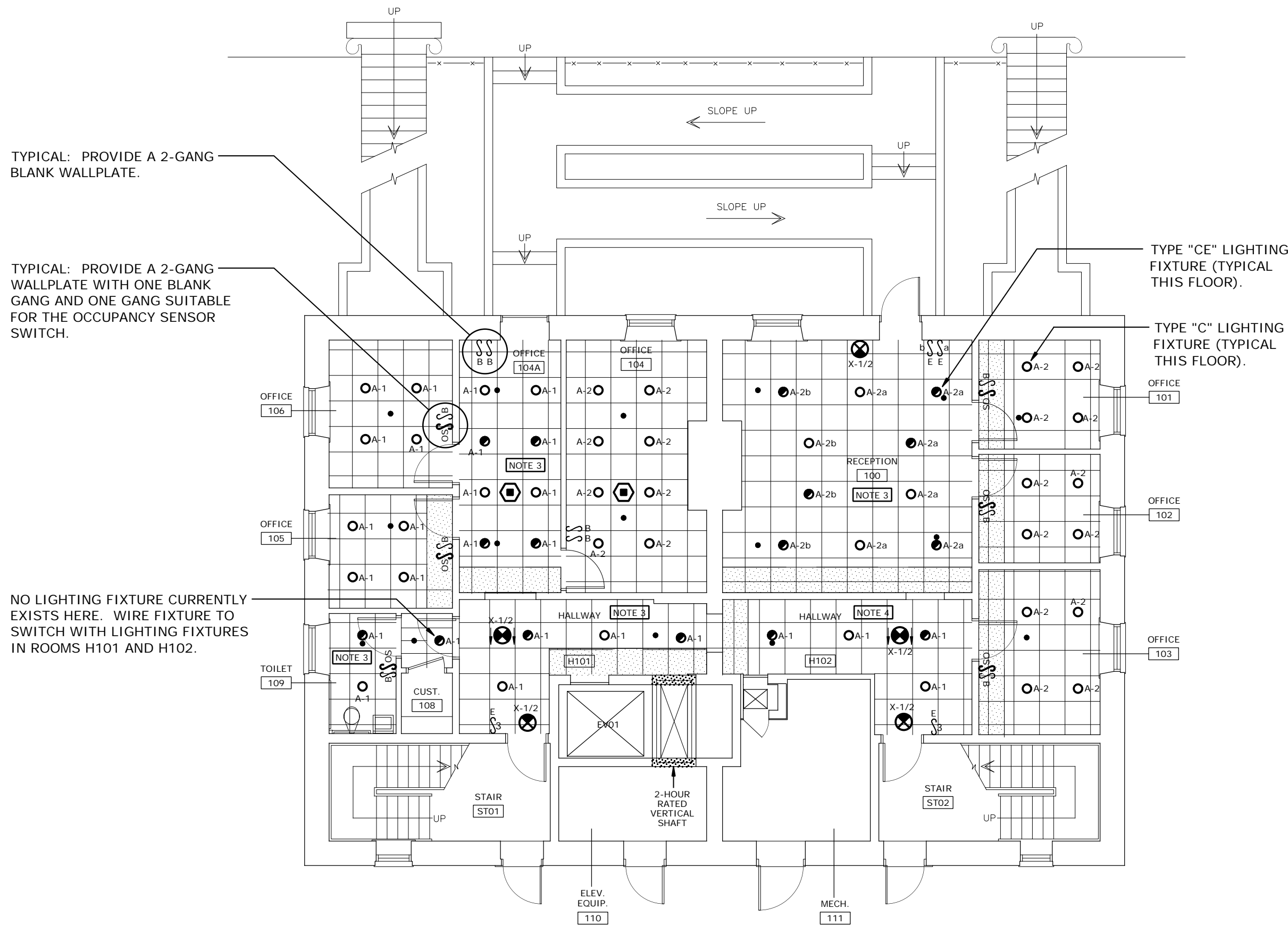
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2 2nd FLOOR LIGHTING RENOVATION PLAN
E3 SCALE: 1/8" = 1'-0"



3 3rd FLOOR LIGHTING RENOVATION PLAN
E3 SCALE: 1/8" = 1'-0"



1 1st FLOOR LIGHTING RENOVATION PLAN
E3 SCALE: 1/8" = 1'-0"

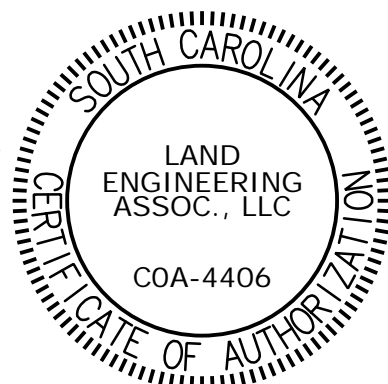
RENOVATION NOTES

- ROOM 203: RE-INSTALL STORED DOWNLIGHTS AND CHANDELIER IN/ON THE NEW ACOUSTICAL DROP CEILING AND RECONNECT EXISTING CIRCUITS.
- ROOM 204: RE-INSTALL STORED DOWNLIGHTS IN/ON THE NEW ACOUSTICAL DROP CEILING AND RECONNECT EXISTING CIRCUITS. PROVIDE PLENUM-RATED 0-10 VOLT DIMMER CONTROL WIRING CONCEALED IN EXISTING WALL AND ABOVE NEW ACOUSTICAL DROP CEILING FROM NEW DIMMER SWITCH TO EACH L.E.D. TROFFER. PROVIDE RACEWAY AND WIRING TO CONNECT NEW TROFFERS IN OFFICE TO EXISTING CIRCUIT THAT FED THE EXISTING 4' x 4' TROFFERS THAT WERE REMOVED IN THE DEMOLITION PHASE OF THE PROJECT.
- UNSWITCHED LIGHTING CONDUCTOR AVAILABLE: FOR EACH ROOM REFERENCED TO THIS NOTE, THE LATEST RENOVATION DRAWINGS FOR THE BUILDING (1984 RENOVATION) INDICATE THAT AS A LIGHTING CIRCUIT ENTERS THE ROOM, THERE IS AN UNSWITCHED CONDUCTOR AVAILABLE. CONTRACTOR SHALL LOCATE THE UNSWITCHED CONDUCTOR AND TAP IT AS REQUIRED TO SERVE EMERGENCY EGRESS BATTERY PACKS FOR THE LIGHTING FIXTURES IN THE ROOM.
- UNSWITCHED LIGHTING CONDUCTOR NOT AVAILABLE: FOR EACH ROOM REFERENCED TO THIS NOTE, THE LATEST RENOVATION DRAWINGS FOR THE BUILDING (1984 RENOVATION) INDICATE THAT AS A LIGHTING CIRCUIT ENTERS THE ROOM, THERE IS NOT AN UNSWITCHED CONDUCTOR AVAILABLE. CONTRACTOR SHALL TAP AN UNSWITCHED LIGHTING CONDUCTOR FROM A NEARBY ROOM ON THE SAME CIRCUIT AND ROUTE IT TO THE ROOM THAT REQUIRES AN UNSWITCHED CONDUCTOR FOR THE EMERGENCY EGRESS BATTERY PACKS.
- ROOMS 201, 202, 202A & 205: RE-INSTALL STORED LIGHTING FIXTURES IN/ON THE NEW ACOUSTICAL DROP CEILING AND RECONNECT EXISTING CIRCUITS.

COORDINATION NOTE

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1/8"=1'-0"
4 0 4 8 16
scale feet



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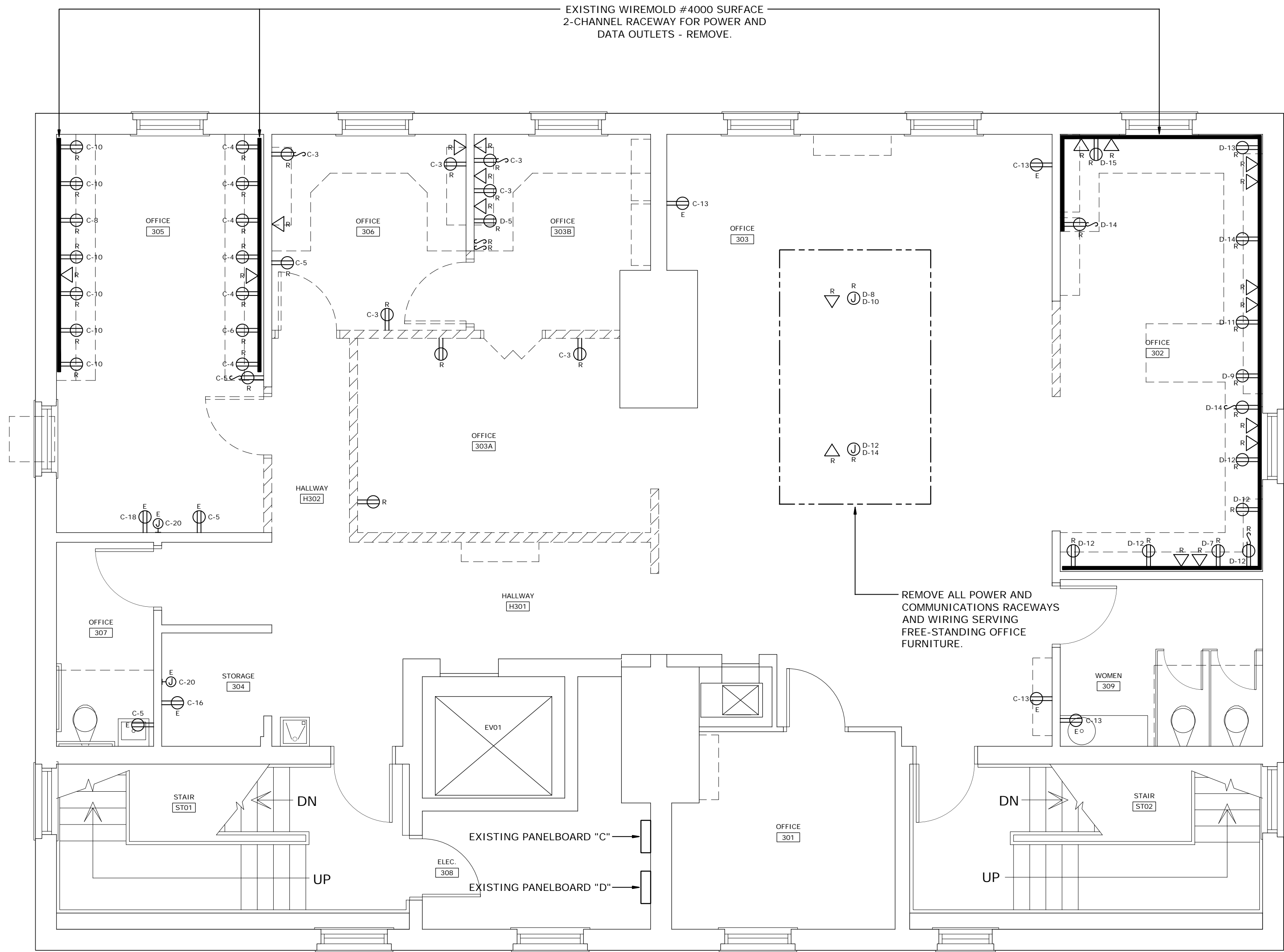
E3

CONSTRUCTION DOCUMENTS

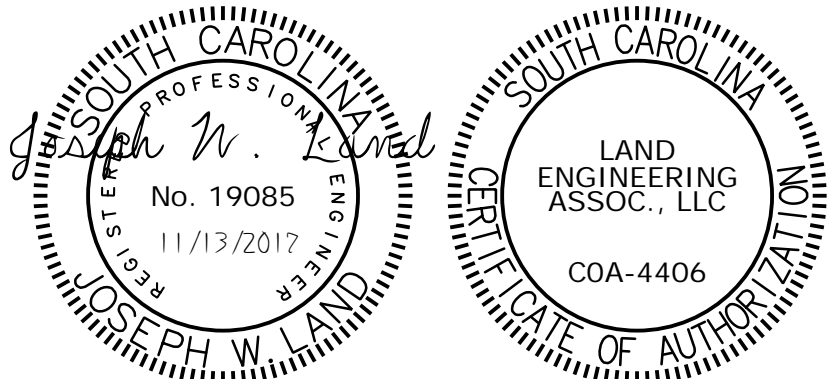
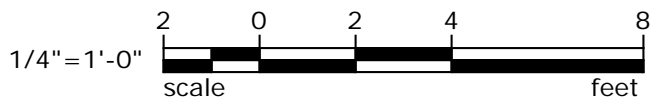
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DEMOLITION NOTES

1. CIRCUIT NUMBERS SHOWN ON PLAN WERE COPIED FROM DRAWINGS OF A 1984 RENOVATION PROJECT FOR THE BUILDING - FIELD VERIFY SOURCE OF CIRCUITS PRIOR TO WORKING ON EXISTING CIRCUIT WIRING.
2. WHERE DEVICES AND SURFACE RACEWAYS ARE INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED RACEWAYS AND CONDUCTORS/ CABLES THAT SERVE THEM BACK TO THEIR ORIGIN. WHERE EXISTING RACEWAYS WILL BE CONCEALED BY NEW CONSTRUCTION, THEY MAY BE ABANDONED IN PLACE.



1 3rd FLOOR ELECTRICAL DEMOLITION PLAN
E4 SCALE: 1/4" = 1'-0"



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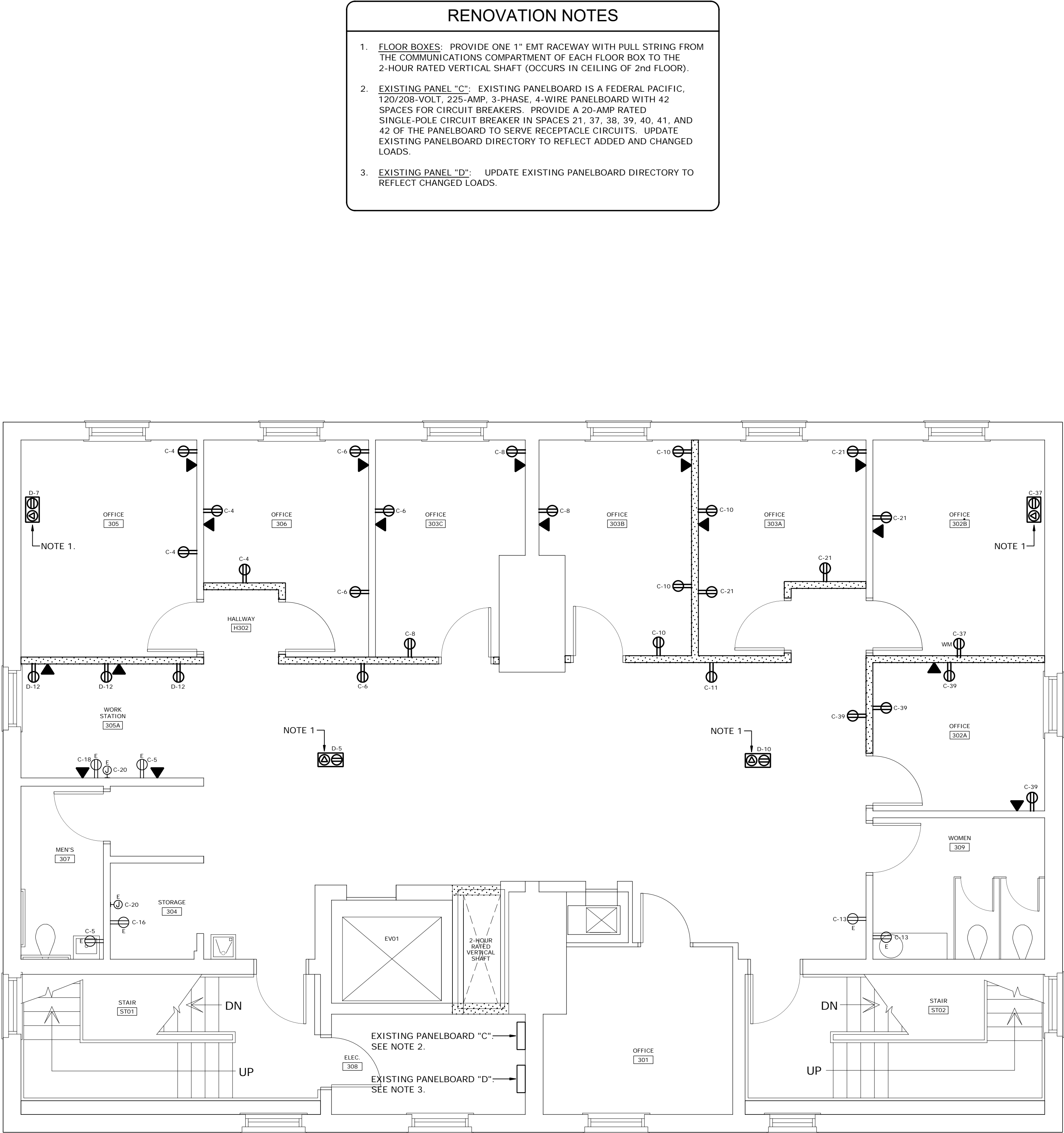
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3rd FLOOR
ELECTRICAL
DEMOLITION
PLAN

E4

CONSTRUCTION DOCUMENTS

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- RENOVATION NOTES
1.

FLOOR BOXES: PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM THE COMMUNICATIONS COMPARTMENT OF EACH FLOOR BOX TO THE 2-HOUR RATED VERTICAL SHAFT (OCCURS IN CEILING OF 2nd FLOOR).
2.

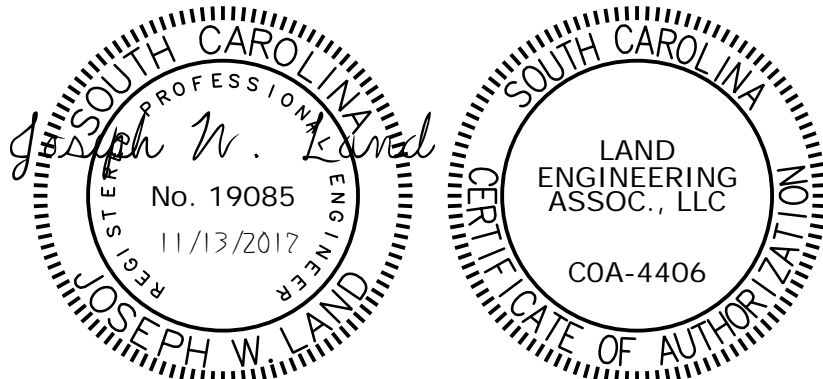
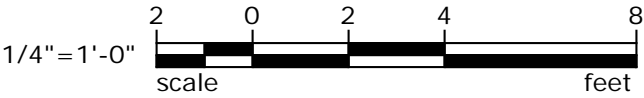
EXISTING PANEL "C": EXISTING PANELBOARD IS A FEDERAL PACIFIC, 120/208-VOLT, 225-AMP, 3-PHASE, 4-WIRE PANELBOARD WITH 42 SPACES FOR CIRCUIT BREAKERS. PROVIDE A 20-AMP RATED SINGLE-POLE CIRCUIT BREAKER IN SPACES 21, 37, 38, 39, 40, 41, AND 42 OF THE PANELBOARD TO SERVE RECEPTACLE CIRCUITS. UPDATE EXISTING PANELBOARD DIRECTORY TO REFLECT ADDED AND CHANGED LOADS.
3.

EXISTING PANEL "D": UPDATE EXISTING PANELBOARD DIRECTORY TO REFLECT CHANGED LOADS.

1E5

3rd FLOOR ELECTRICAL RENOVATION PLAN

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



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