

CONSTRUCTION DOCUMENTS FOR:

PITT COUNTY

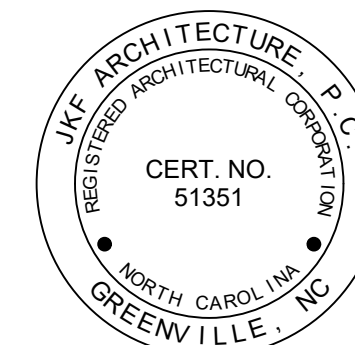
COURTHOUSE RENOVATIONS

PHASE 1

GREENVILLE, NC

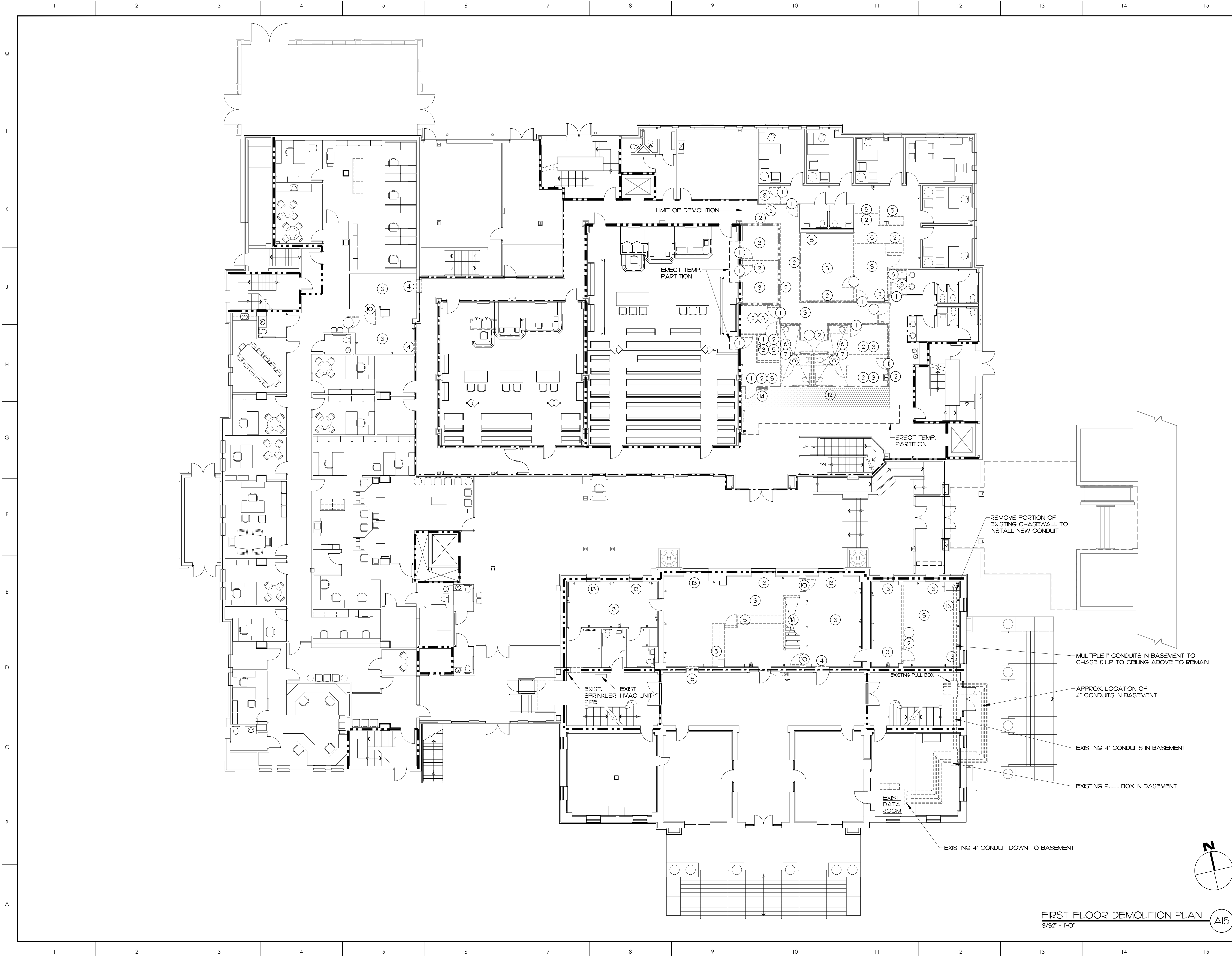
JKF PROJECT NO. 2022-19

MARCH 6, 2023



ATLANTEC ENGINEERS, PA
PLUMBING, MECHANICAL & ELECTRICAL ENGINEERS
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
919-571-1111

[illegible]



- MATERIALS KEYING LEGEND
- ① REMOVE EXISTING DOOR & FRAME.
 - ② REMOVE EXISTING WALL CONSTRUCTION COMPLETELY.
 - ③ REMOVE EXISTING FLOOR FINISHES & WALL BASE COMPLETELY TO CONCRETE SLAB.
 - ④ EXISTING DOOR & FRAME TO BE RE-OPENED & WALL BEHIND TO BE REMOVED (ROOM SIDE)
 - ⑤ REMOVE EXISTING CASEWORK & SHELVING
 - ⑥ REMOVE EXISTING PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
 - ⑦ REMOVE EXISTING GRAB BARS, TOILET ACCESSORIES, & TOILET PARTITIONS.
 - ⑧ REMOVE EXISTING TILE FLOOR SYSTEM COMPLETELY TO CONCRETE SLAB.
 - ⑨ PATCH & PREPARE EXISTING GYP. BD. WALLS TO RECEIVE NEW PAINT FINISH. PROVIDE NEW GYP. BD. TO MATCH EXISTING AS REQ. TO FILL VOIDS.
 - ⑩ REMOVE EXISTING VAULT DOOR ENTIRELY.
 - ⑪ REMOVE EXISTING STAIRS.
 - ⑫ REMOVE PORTION OF CERAMIC TILE AND WALL BASE FOR NEW WALL CONSTRUCTION.
 - ⑬ REMOVE EXISTING WINDOW BLINDS.
 - ⑭ REMOVE EXISTING DEFIBRILLATOR BOX AND SALVAGE TO OWNER.
 - ⑮ EXISTING DOOR & FRAME TO BE RE-OPENED & WALL BEHIND TO BE REMOVED (ROOM SIDE). REMOVE EXISTING DOOR, HM FRAME & HARDWARE, LEAVE WOOD TRANSOM & TRIM IN PLACE.

- DEMOLITION OF 1 HOUR FIRE PARTITION
- - - EXISTING 1 HOUR FIRE PARTITION
- DEMOLITION OF 2 HOUR FIRE BARRIER
- EXISTING 2 HOUR FIRE BARRIER

GENERAL NOTES

1 REMOVE ANY AND ALL WALL COVERINGS IN RENOVATION AREAS. PREP, KILZ IF REQUIRED TO PREP FOR NEW FINISHES

KEY PLAN

NO	REVISION	DATE

JOHN K. FARKAS
REGISTERED ARCHITECT
2/1/2023
John K. Farkas
GREENVILLE, N.C.

JKF

ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

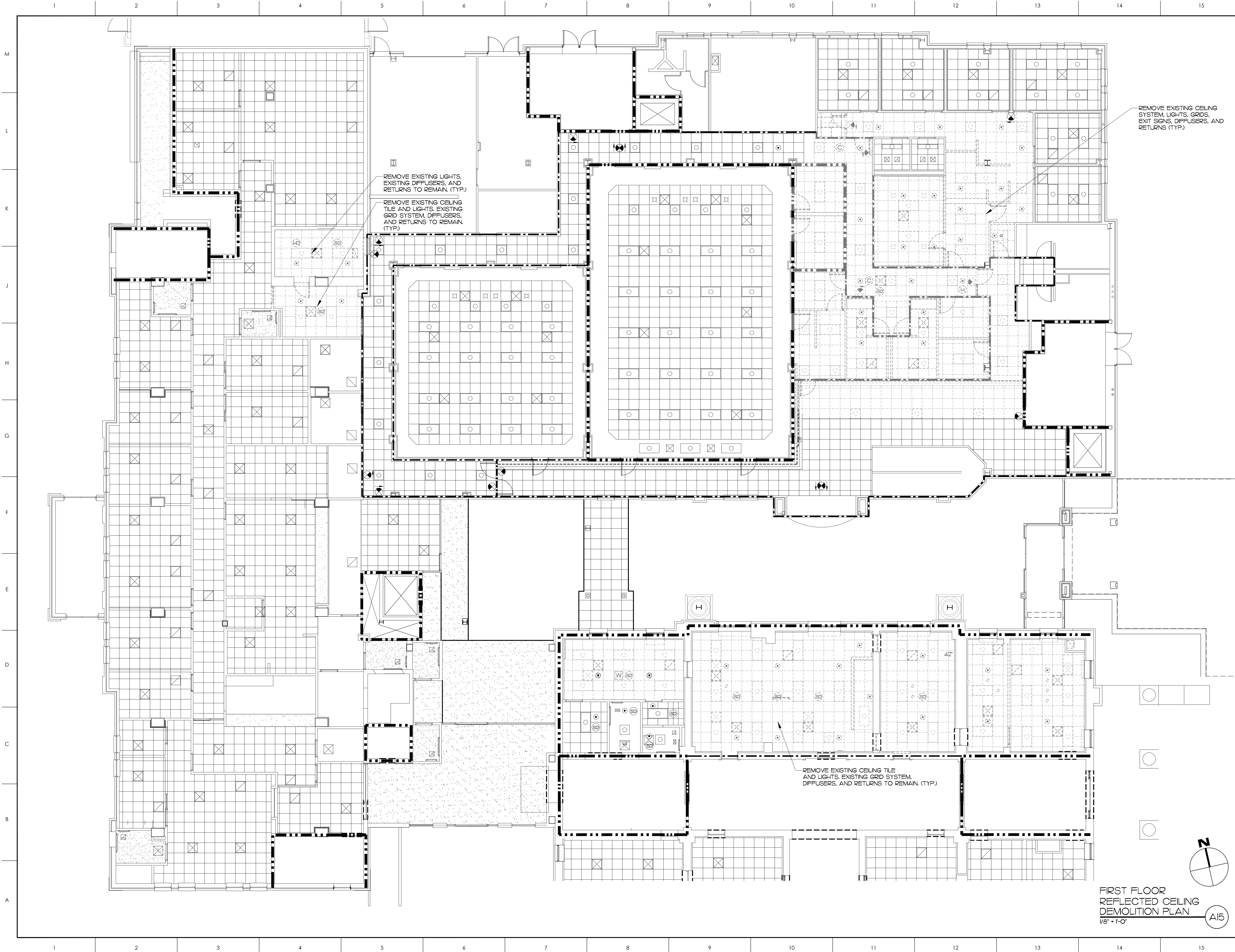
PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE

FIRST FLOOR DEMOLITION PLAN

SCALE	3/32" = 1'-0"	DRAWING NO.
DRAWN	BTP	A.O.I
CHECKED	JKF	
DATE	3-6-2023	
PROJECT NO.	2022-19	

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MATERIALS KEYING LEGEND

- DEMOLITION OF 1 HOUR FIRE PARTITION
- - - EXISTING 1 HOUR FIRE PARTITION
- DEMOLITION OF 2 HOUR FIRE BARRIER
- EXISTING 2 HOUR FIRE BARRIER

GENERAL NOTES

KEY PLAN

NO	REVISION	DATE
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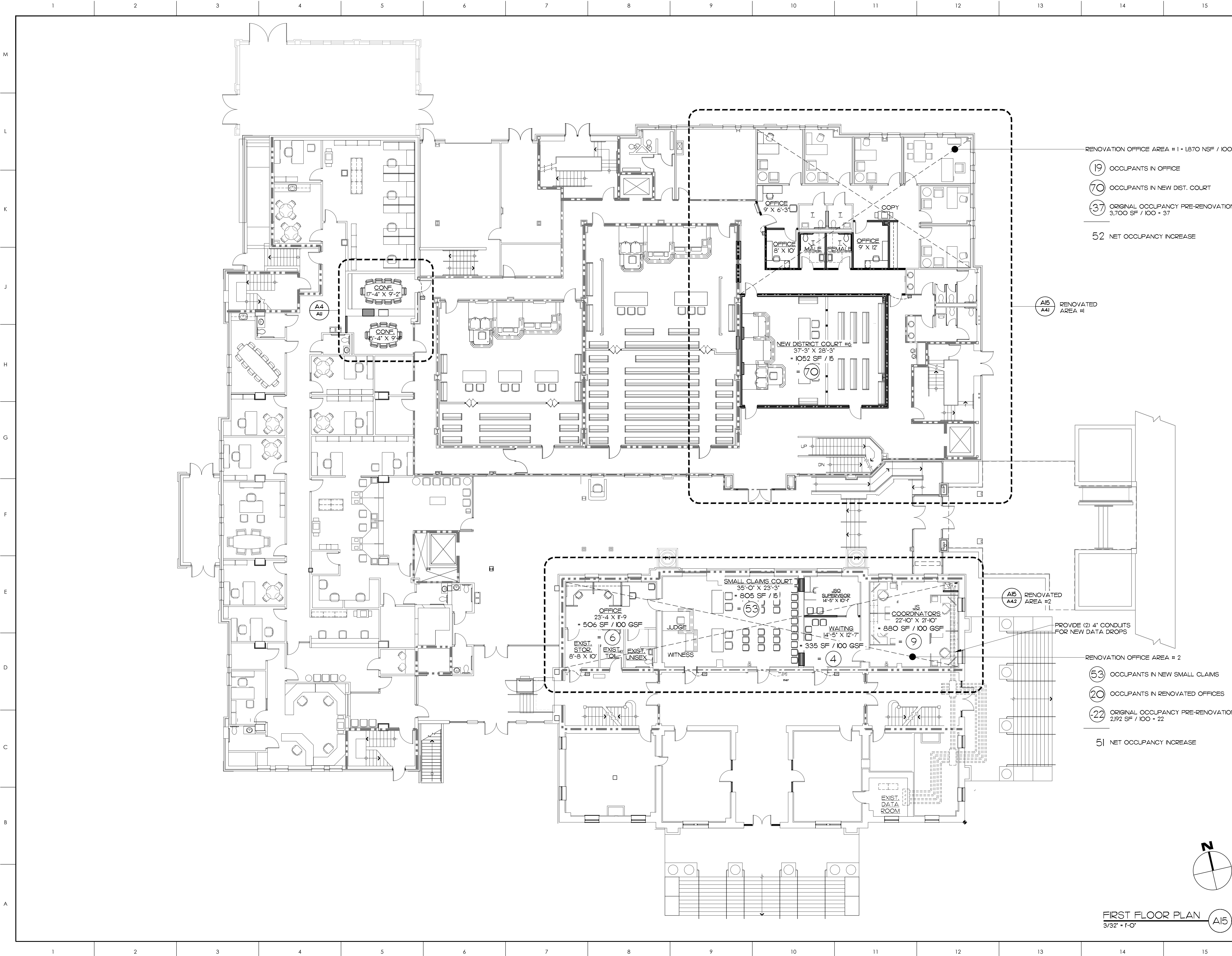
JKF
ARCHITECTURE

675 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
FIRST FLOOR
REFLECTED CEILING
DEMOLITION PLAN

SCALE 1/8" = 1'-0"	DRAWING NO. AO.2
DRAWN MCZ	
CHECKED JKF	
DATE 3-6-2023	
PROJECT NO. 2022-19	



MATERIALS KEYING LEGEND

- EXISTING 1 HOUR FIRE PARTITION
- NEW 1 HOUR FIRE PARTITION
- EXISTING 2 HOUR FIRE BARRIER
- NEW 2 HOUR FIRE BARRIER

GENERAL NOTES

KEY PLAN

NO REVISION DATE

JOHN K. FARKAS
REGISTERED ARCHITECT
3022
Pitt County
GREENVILLE, NC

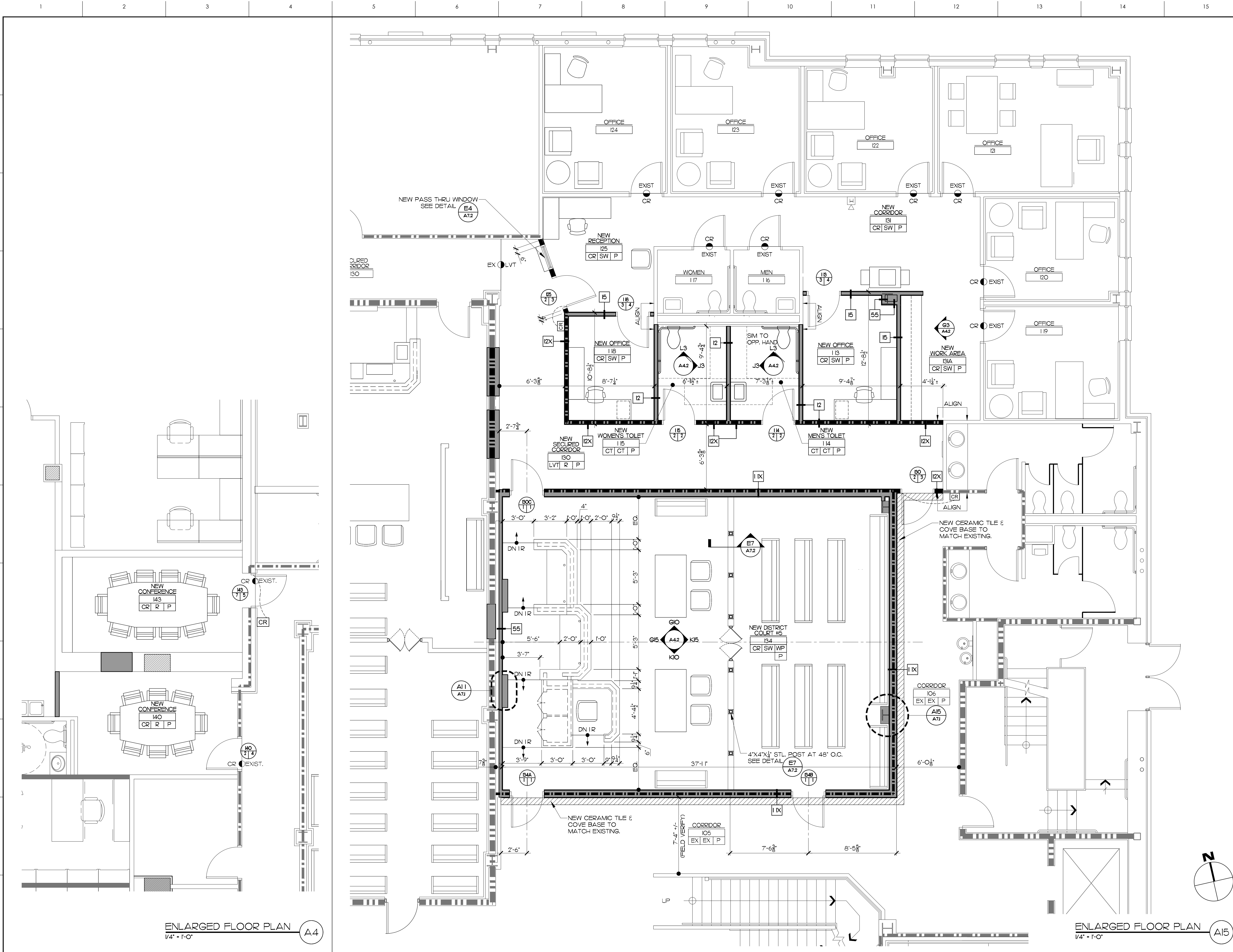
J K F
ARCHITECTURE

625 LYNNDAL CT., SUITE F, GREENVILLE, NC 27838 252-355-1068

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
FIRST FLOOR PLAN

SCALE	3/32" = 1'-0"	DRAWING NO.	
DRAWN	BTP		
CHECKED	JKF		
DATE	3-6-2023		
PROJECT NO.	2022-19		



MATERIALS KEYING LEGEND

- EXISTING 1 HOUR FIRE PARTITION
- NEW 1 HOUR FIRE PARTITION
- EXISTING 2 HOUR FIRE BARRIER
- NEW 2 HOUR FIRE BARRIER

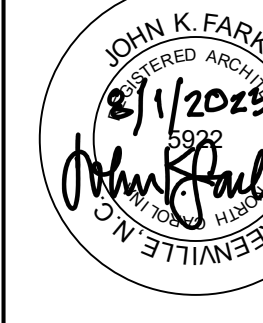
GENERAL NOTES

- ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD UNO. W/ DOT LEADER (FINISH FACE)
- REPAIR CONCRETE FLOOR SLAB DAMAGED FROM DEMOLITION OR EXISTING CONDITIONS.
- ANY EXISTING ADJACENT CONSTRUCTION OR FINISHES DISTURBED OR DAMAGED BY DEMOLITION OR NEW CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION.

KEY PLAN

NO REVISION DATE

SEAL



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ARCHITECTURE

625 LYNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

ENLARGED FLOOR PLANS

SCALE

1/4" = 1'-0"

DRAWN

BTP

CHECKED

JKF

DATE

3-6-2023

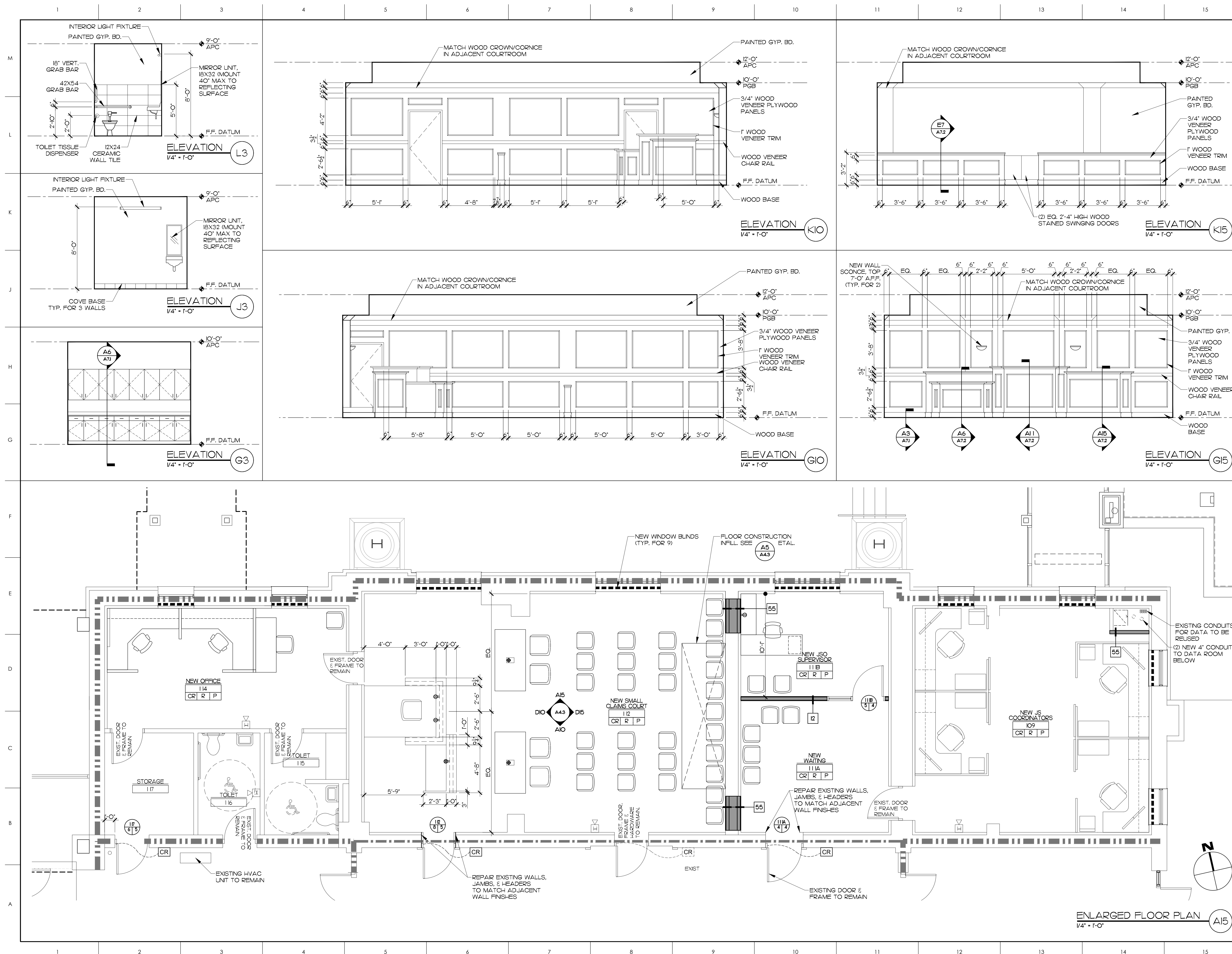
PROJECT NO.

2022-19

DRAWING NO

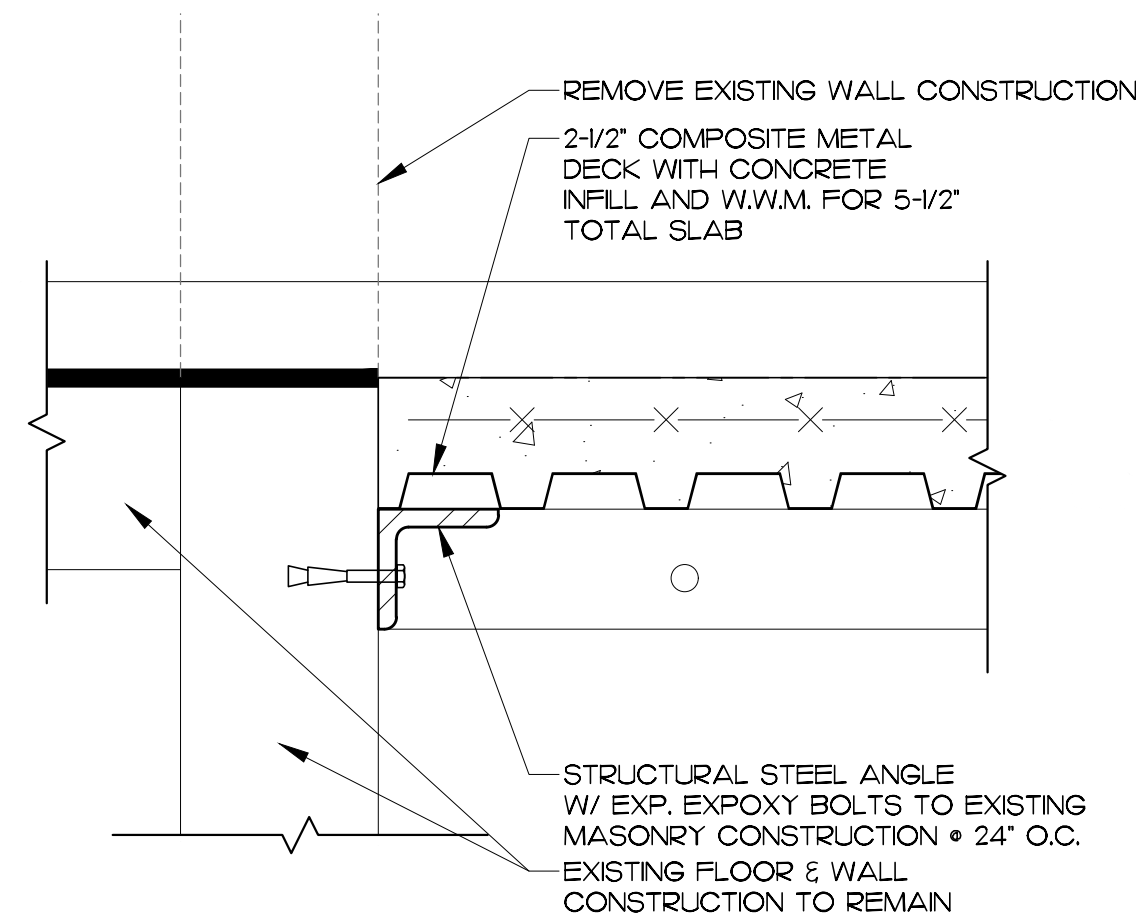
A4.1

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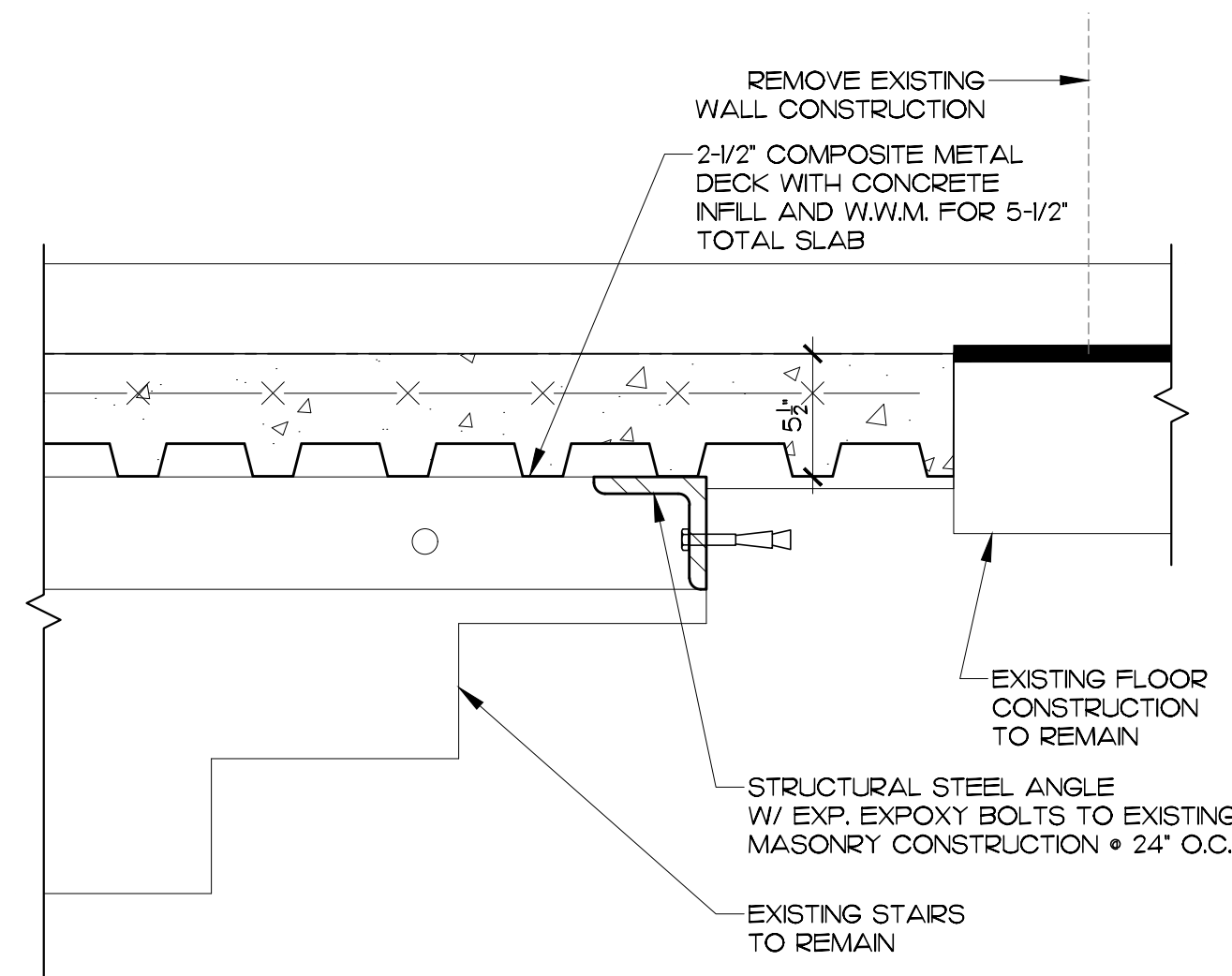


MATERIALS KEYING LEGEND					
-- -- -- -- EXISTING 1 HOUR FIRE PARTITION - - - - NEW 1 HOUR FIRE PARTITION = = = = EXISTING 2 HOUR FIRE BARRIER ■ ■ ■ ■ NEW 2 HOUR FIRE BARRIER					
GENERAL NOTES					
1. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD U.N.O. W/ DOT LEADER ♦ (FINISH FACE) 2. REPAIR CONCRETE FLOOR SLAB DAMAGED FROM DEMOLITION OR EXISTING CONDITIONS. 3. MATCH EXISTING WOODWORK DETAILS WITH EXISTING ADJACENT COURTROOM U.N.O.					
KEY PLAN					
NO		REVISION		DATE	
SEAL					
JOHN K. FARKAS REGISTERED ARCHITECT STATE OF NORTH CAROLINA No. 27858 8/1/2024		J K F ARCHITECTURE			
625 LYNDDALE CT., SUITE F, GREENVILLE NC 27858 252-355-1048					
PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC					
DRAWING TITLE					
ENLARGED FLOOR PLAN & INTERIOR ELEVATIONS					
SCALE		1/4" = 1'-0"		DRAWING NO.	
DRAWN		BTP		A4.2	
CHECKED		JKF			
DATE		3-6-2023			
PROJECT NO.		2022-19			

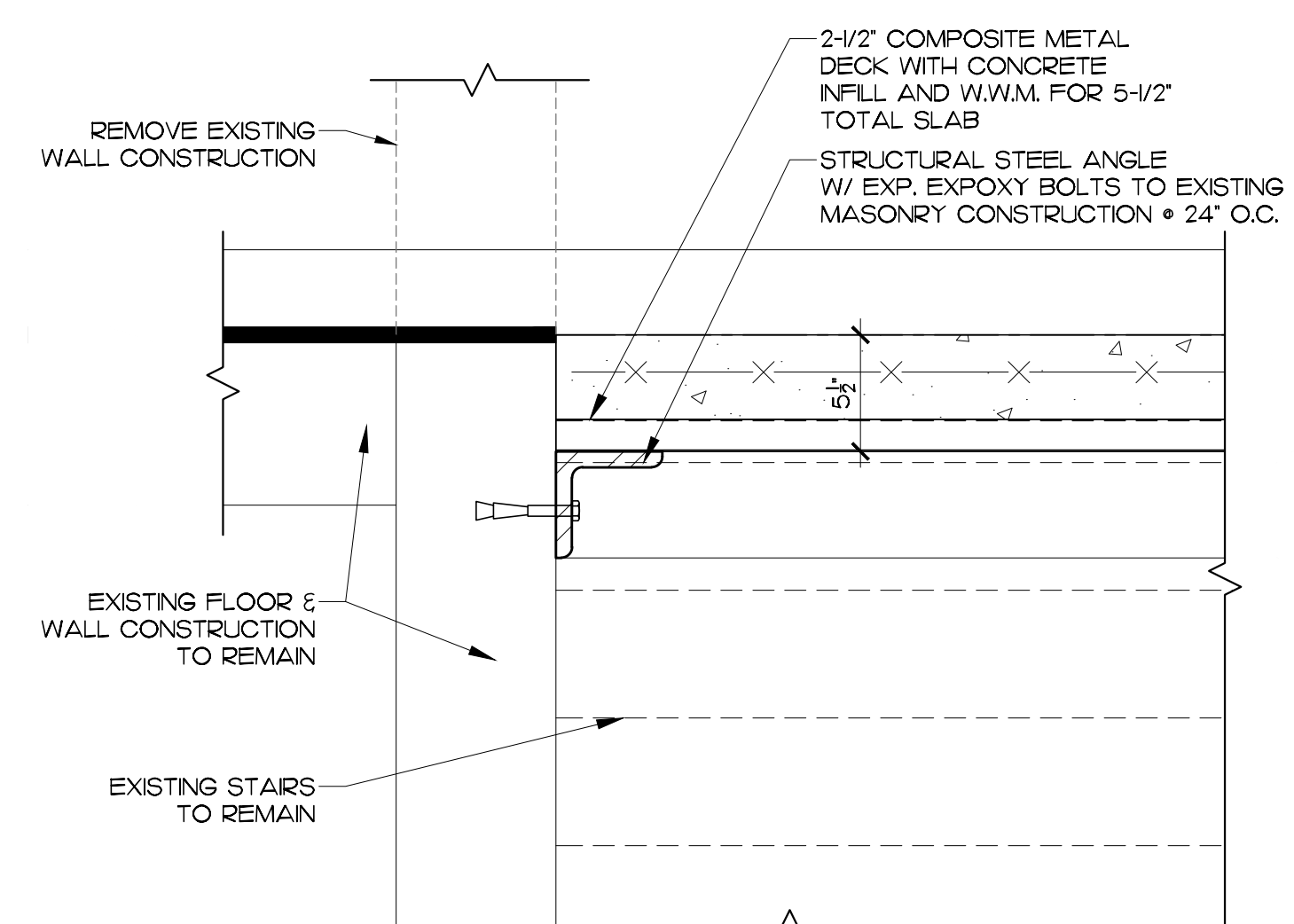
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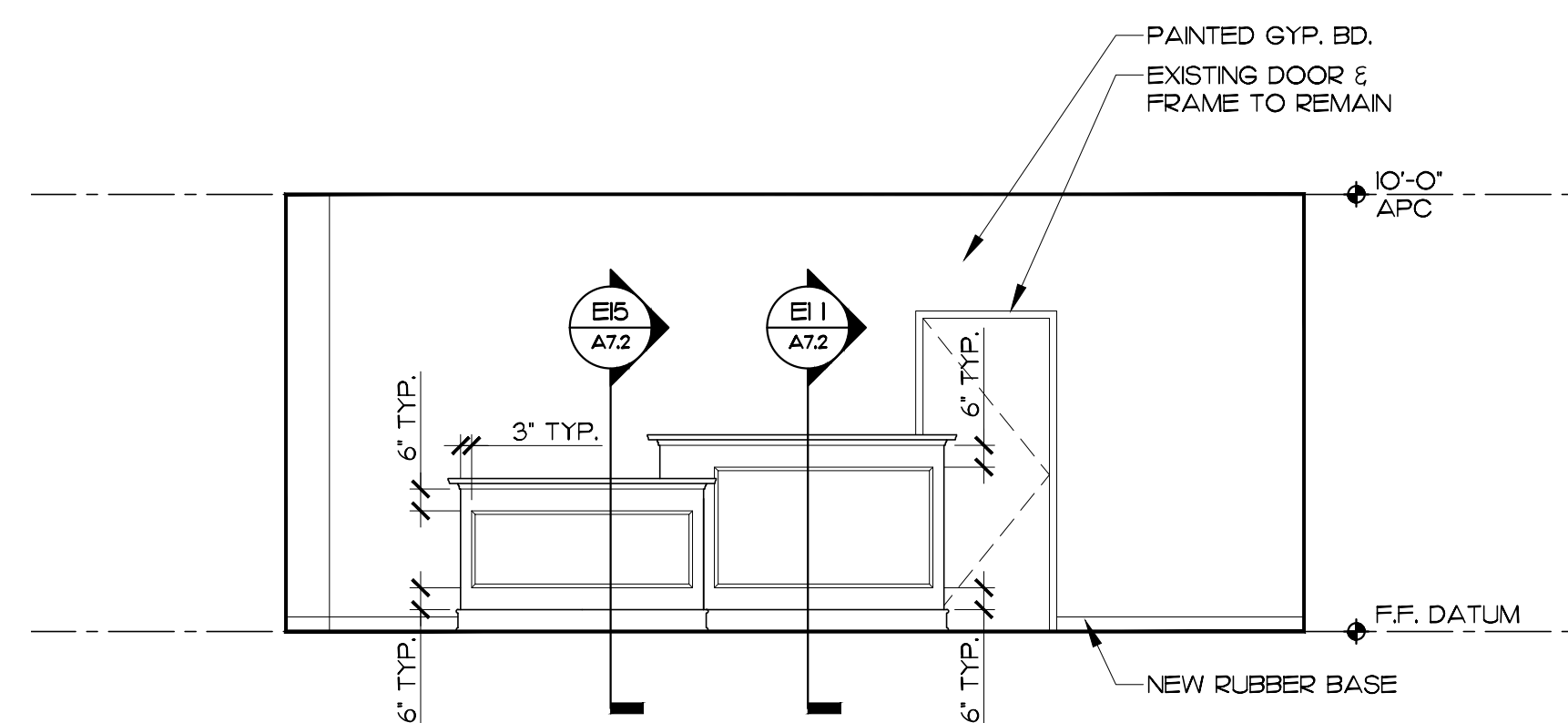
DETAIL
1/4" = 1'-0" (G7)



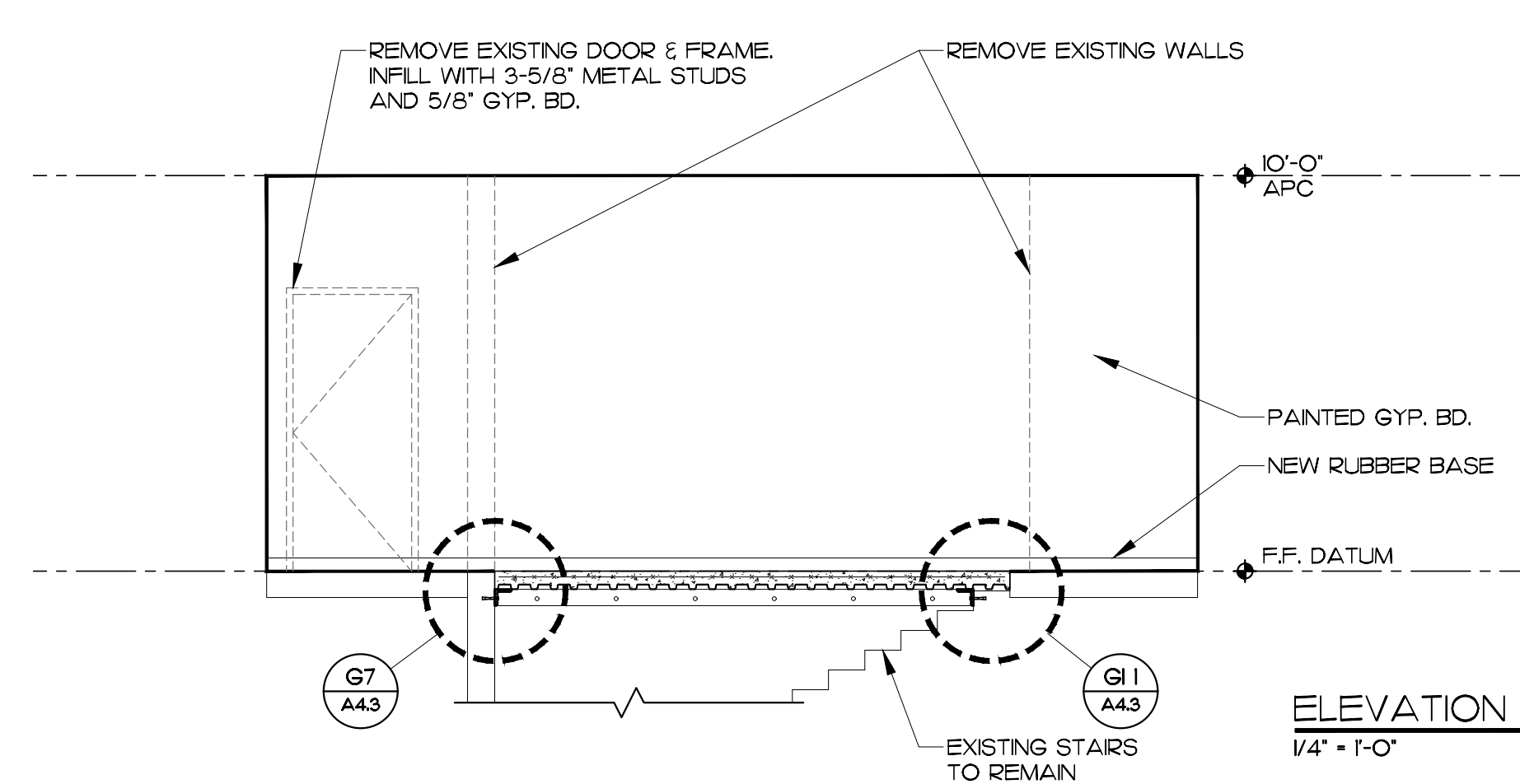
DETAIL
1/4" = 1'-0" (G1)



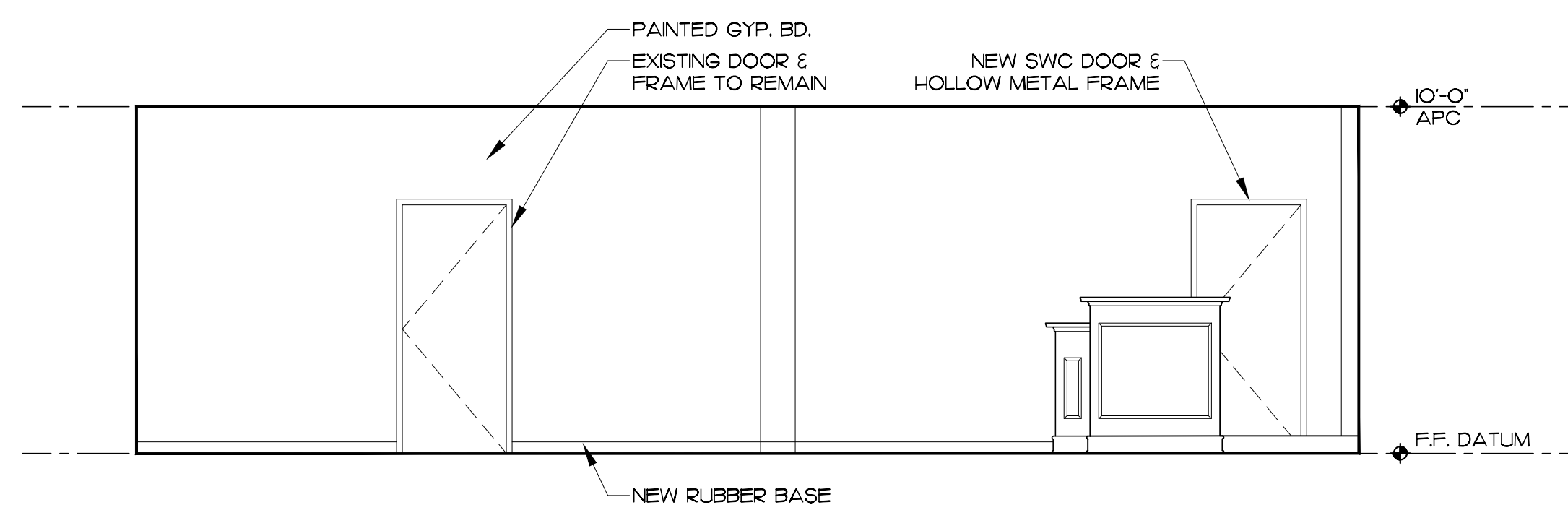
DETAIL
1/4" = 1'-0" (G15)



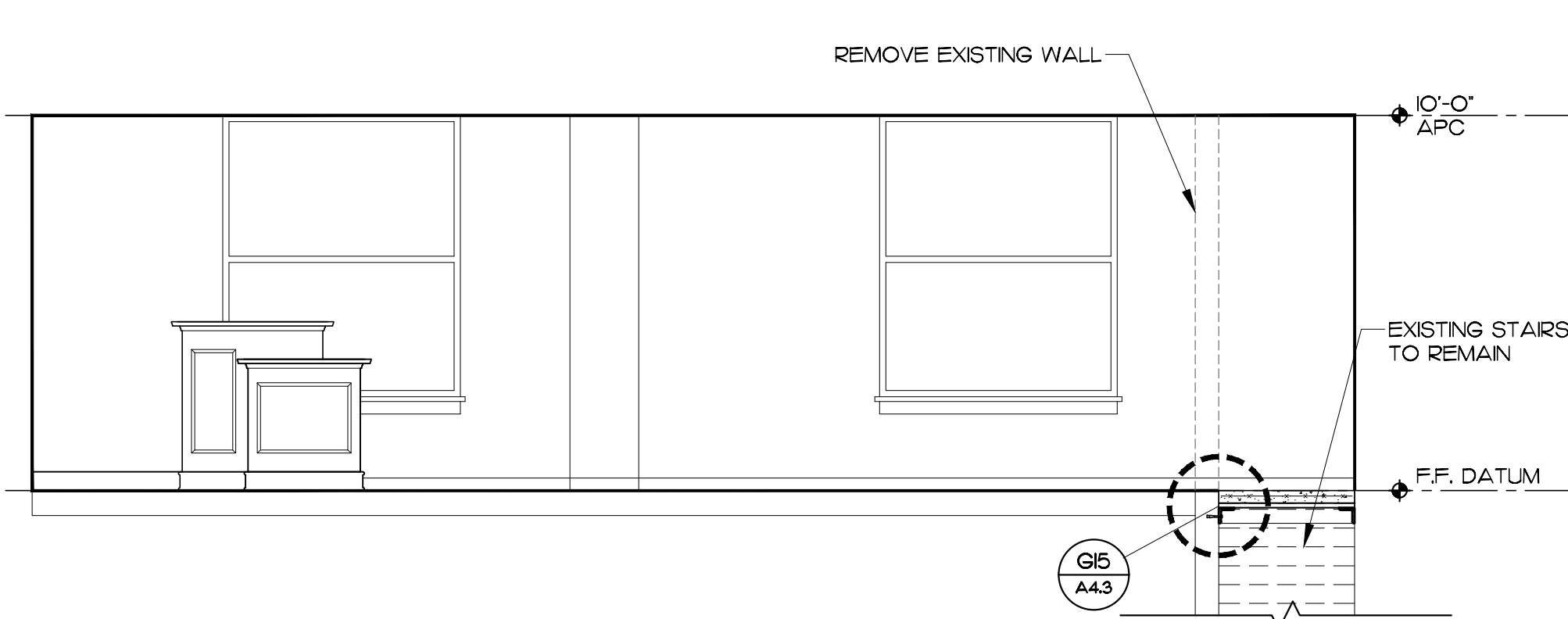
ELEVATION DIO
1/4" = 1'-0"



ELEVATION $\frac{1}{4}" = 1'-0"$ (D15)



ELEVATION AIO
1/4" = 1'-0"



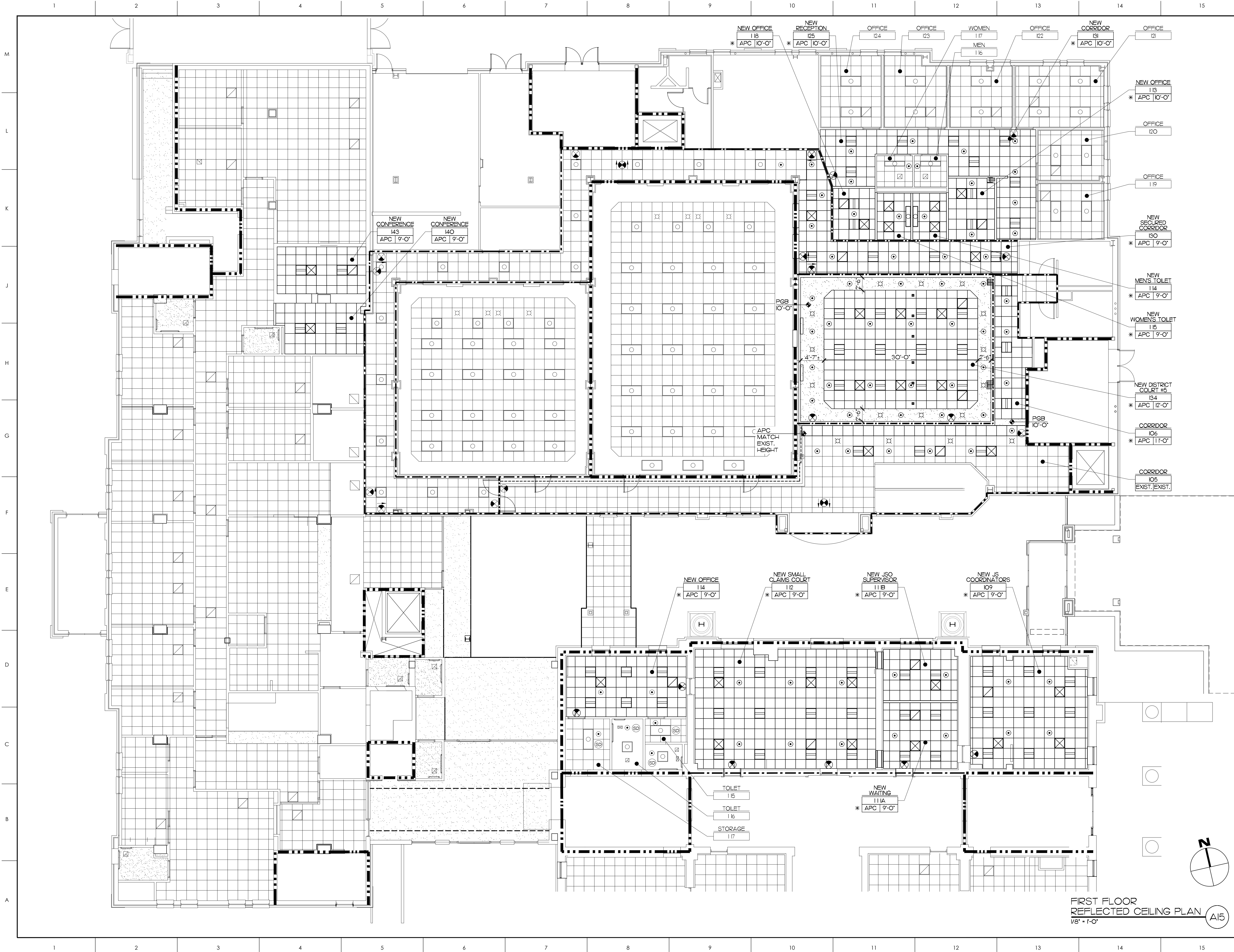
ELEVATION $\frac{1}{4}" = 1'-0"$ A15

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

NO			DATE		
REVISION					
SEAL					
					
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068					
PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC					
DRAWING TITLE					
INTERIOR ELEVATIONS					
SCALE		DRAWING NO.			
1/4" = 1'-0"					
DRAWN		BTP			
CHECKED		JKF			
DATE		3-6-2023			
PROJECT NO.		2022-19			



MATERIALS KEYING LEGEND

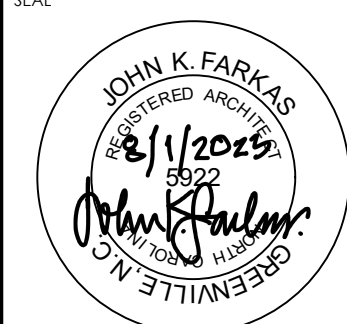
- EXISTING 1 HOUR FIRE PARTITION
- NEW 1 HOUR FIRE PARTITION
- EXISTING 2 HOUR FIRE BARRIER
- NEW 2 HOUR FIRE BARRIER

GENERAL NOTES

- NEW APC CEILING SYSTEM WITH * DENOTES 1-HR FLOOR-CEILING ASSEMBLY PER UL DESIGN NO. G201, AS SHOWN ON DRAWING A71.

KEY PLAN

NO REVISION DATE



JKF
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27658 252-355-1068
PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

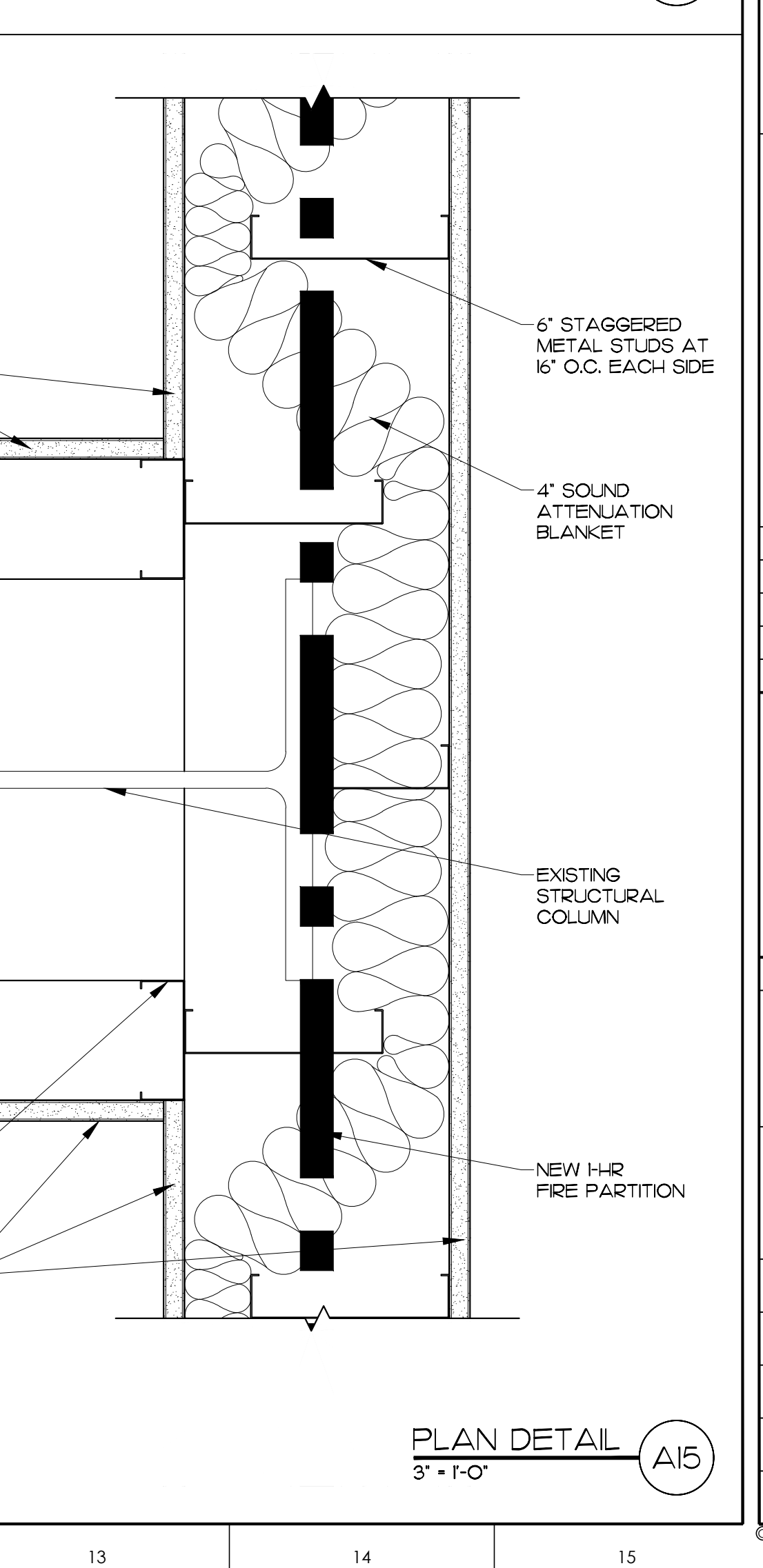
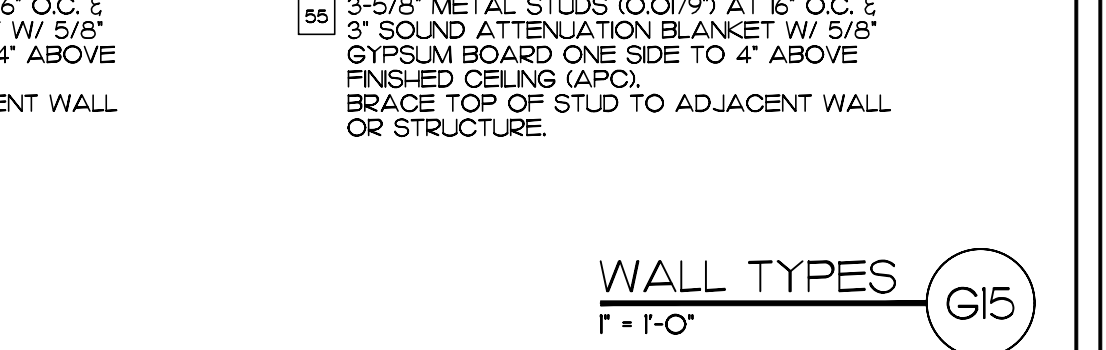
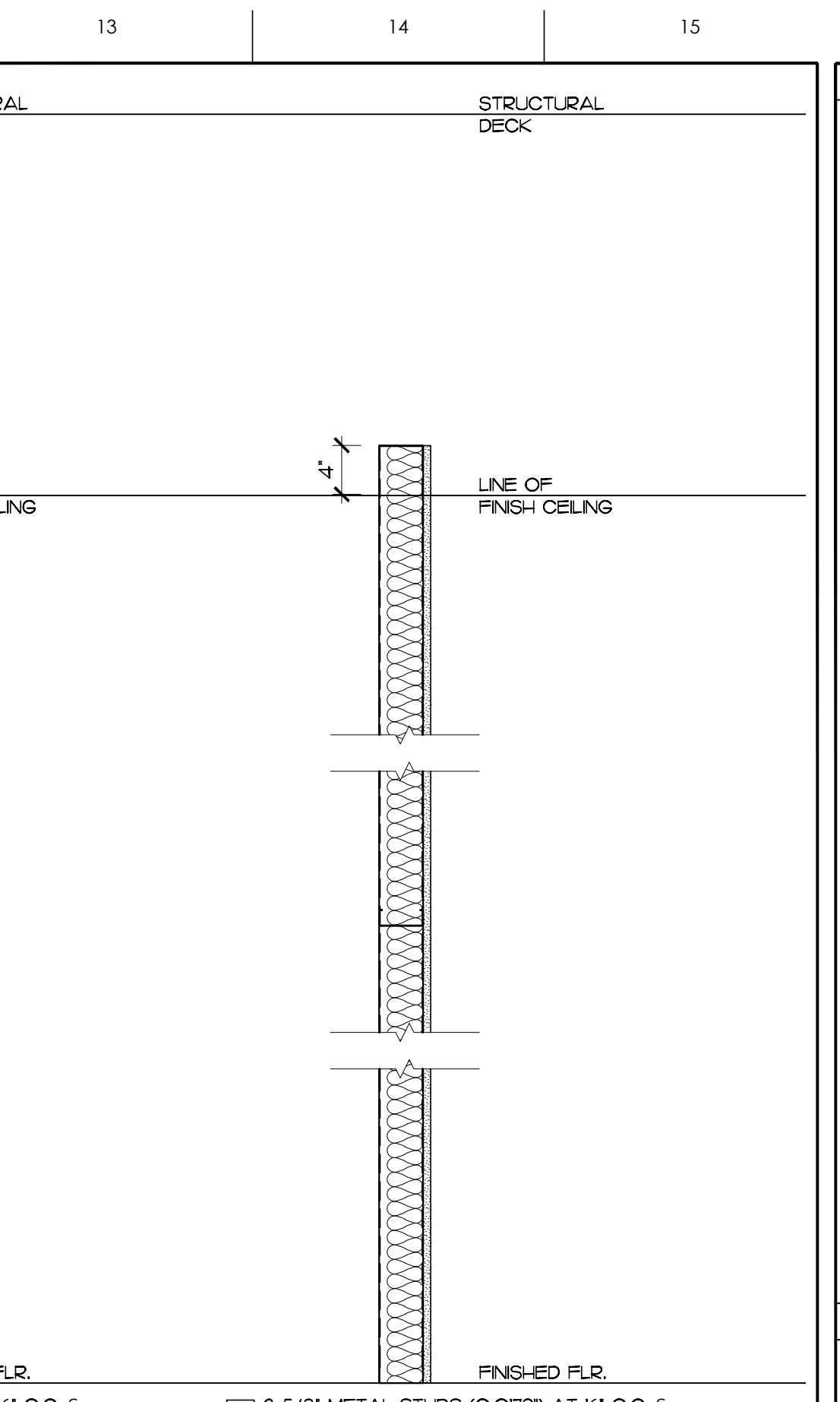
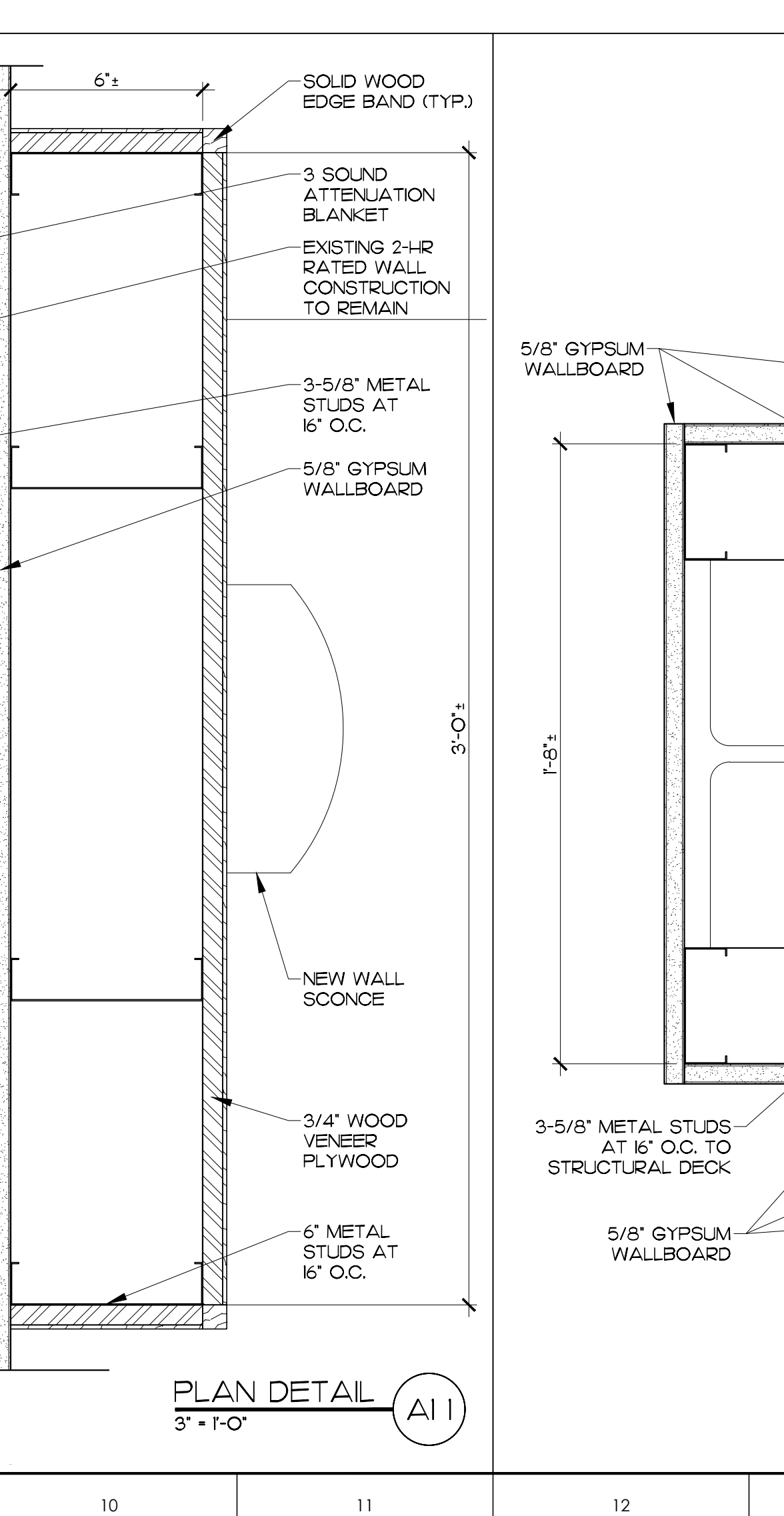
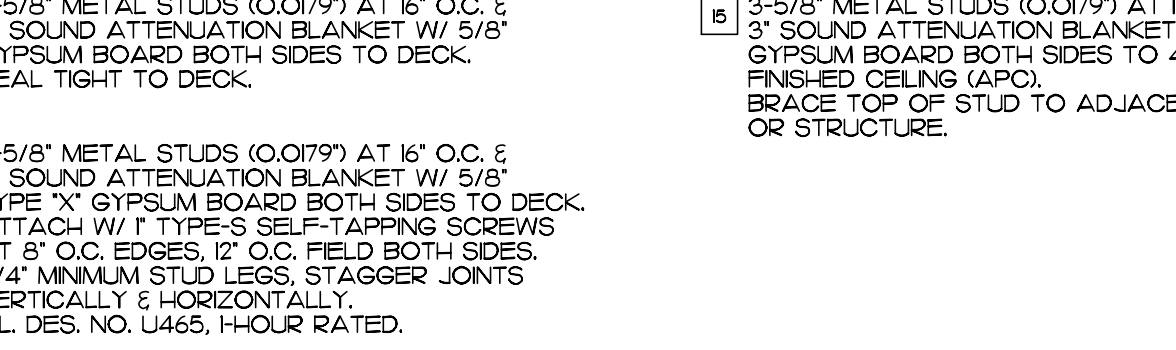
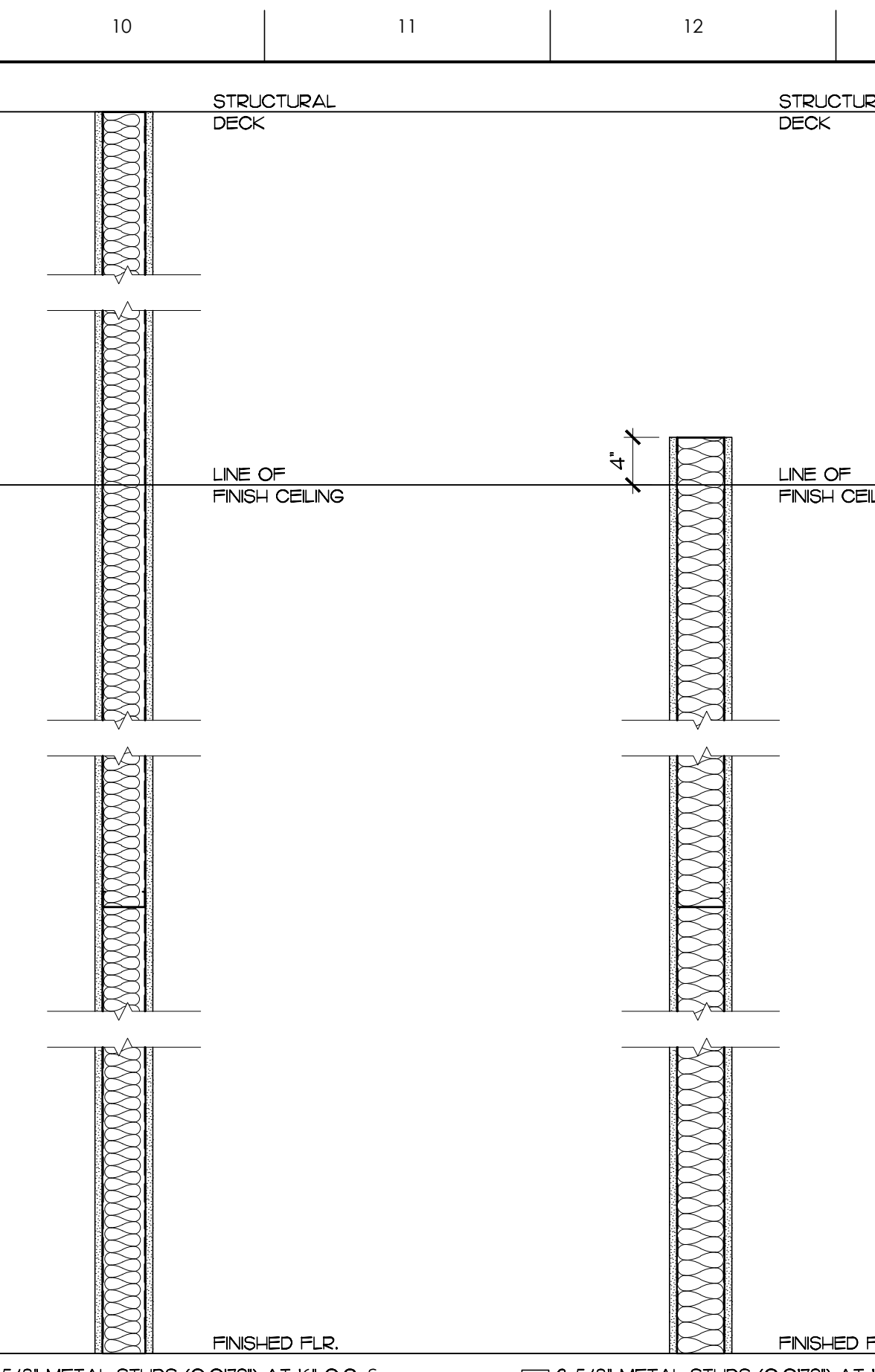
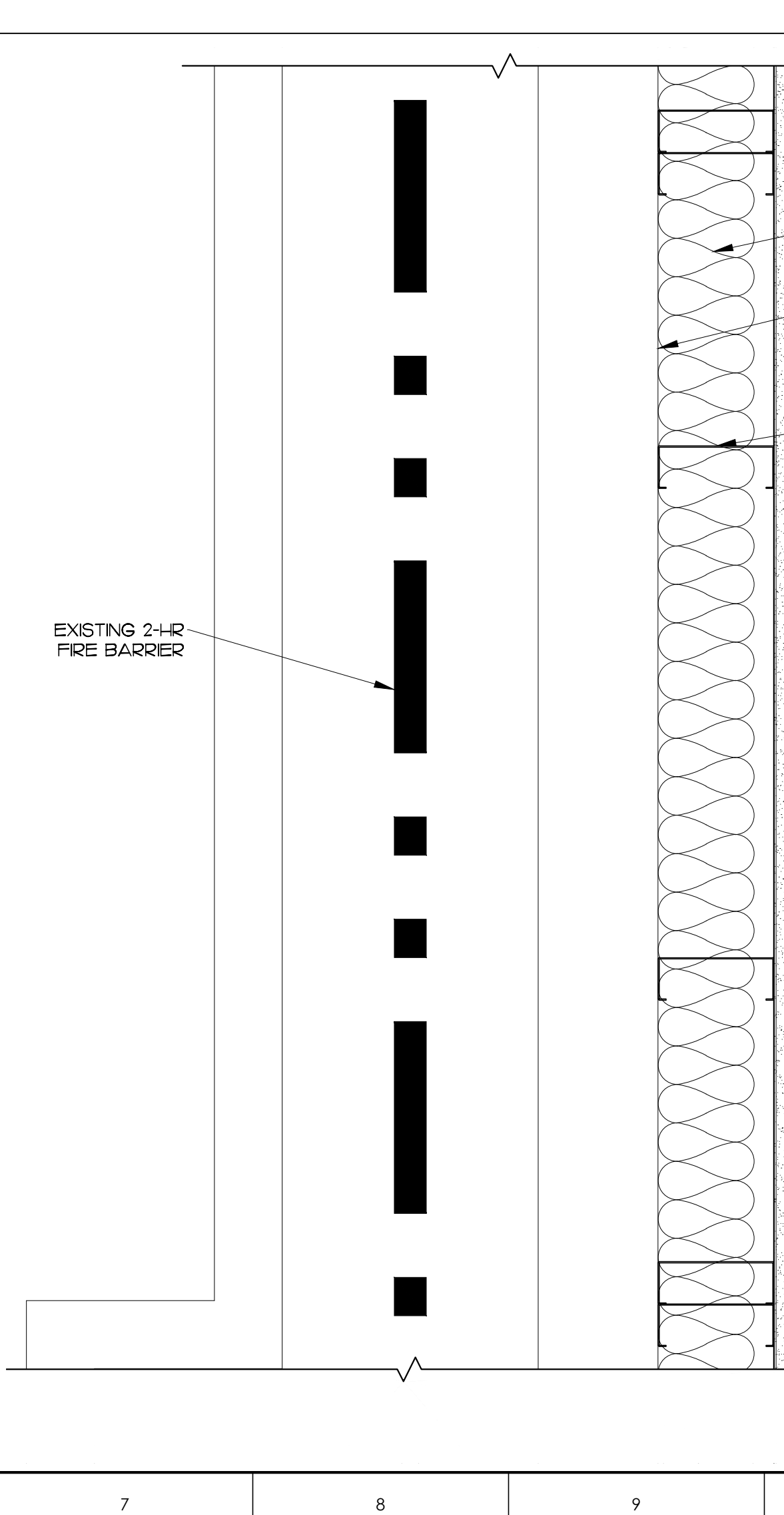
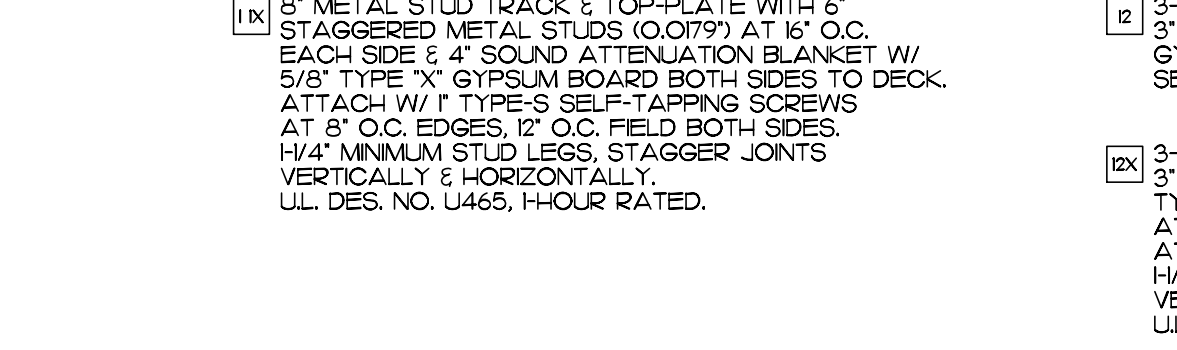
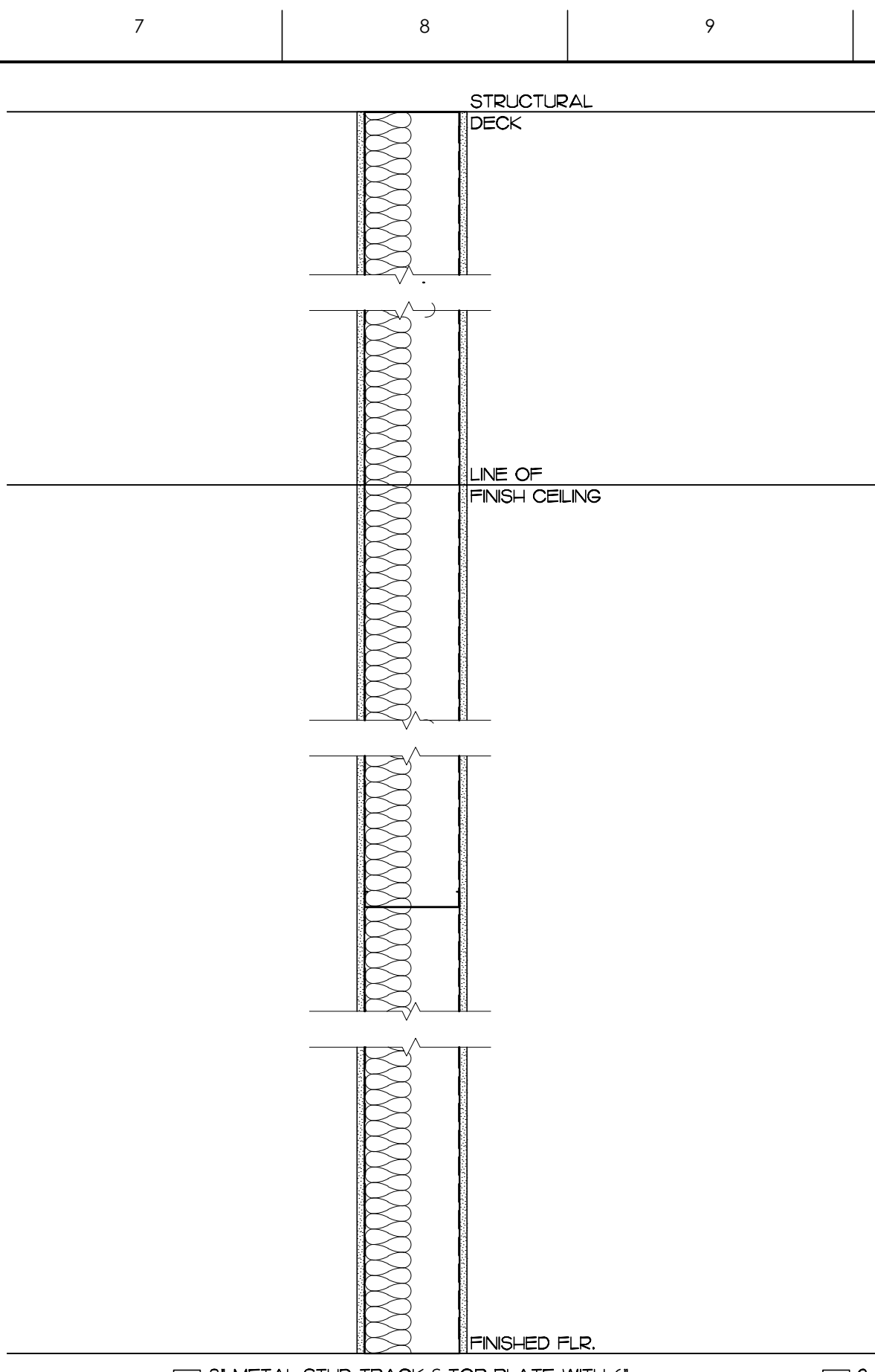
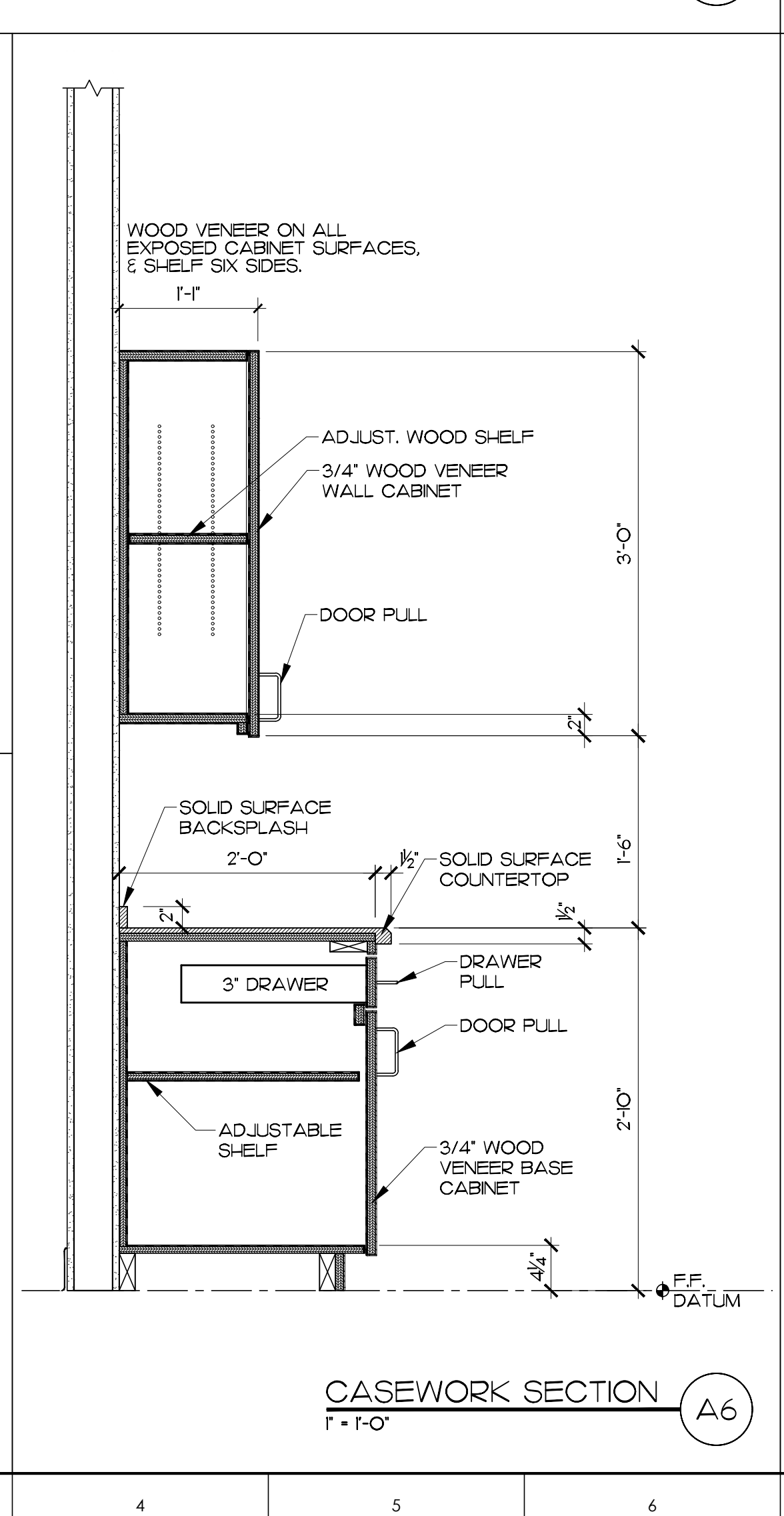
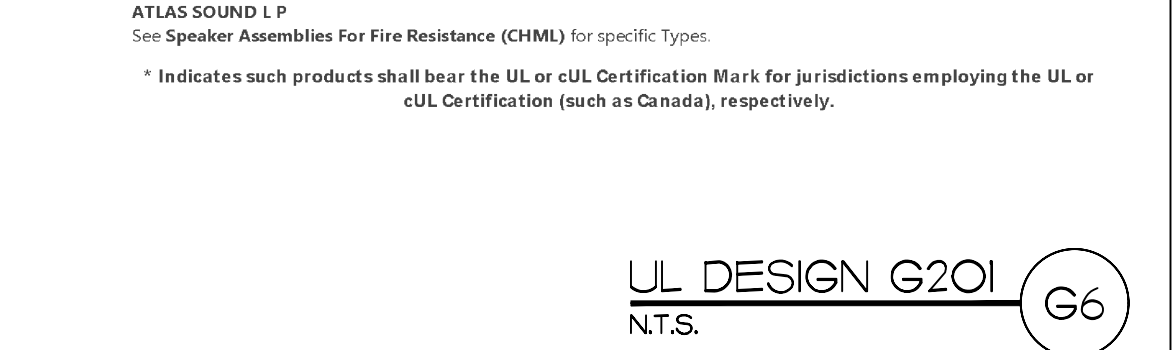
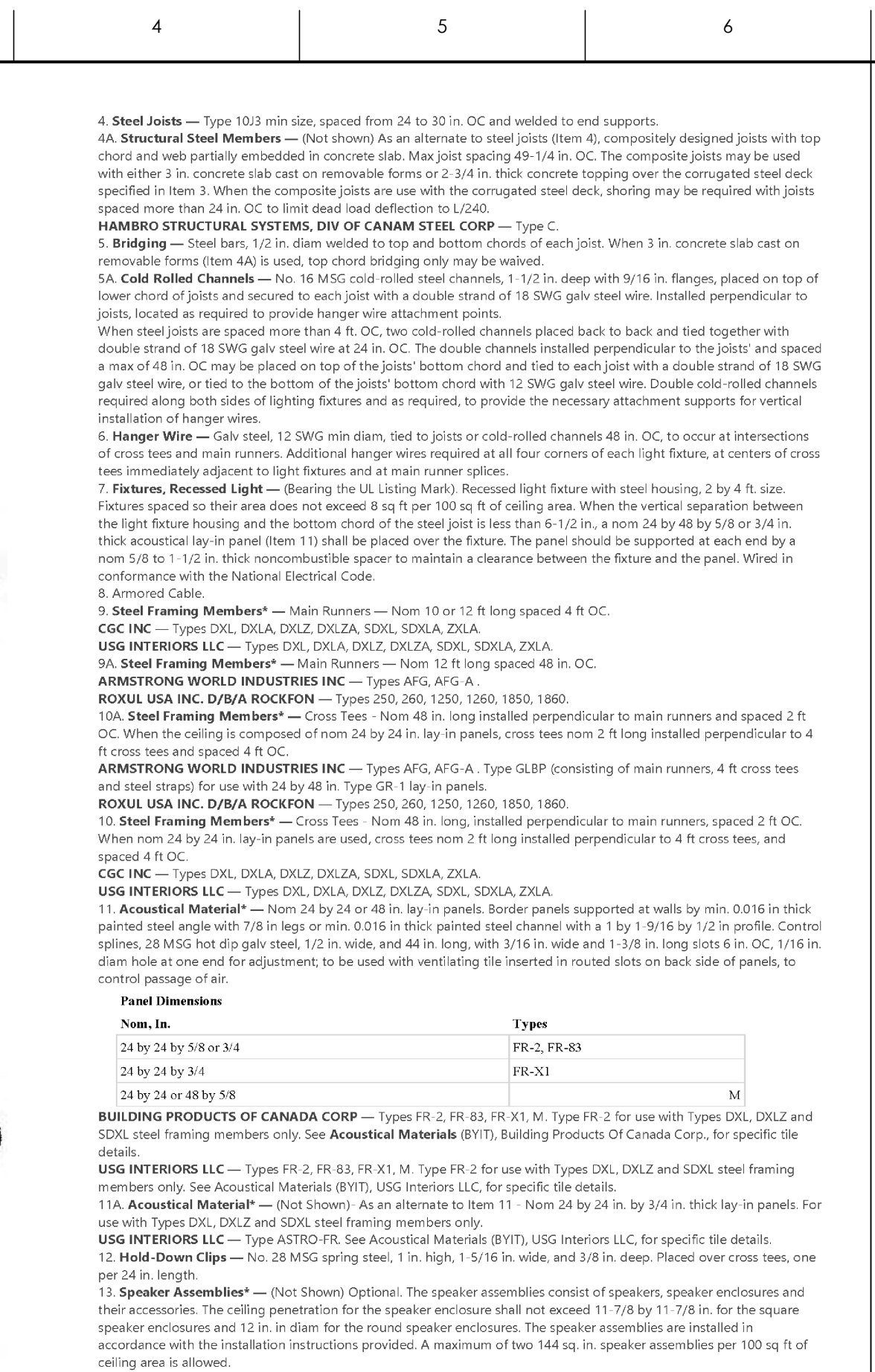
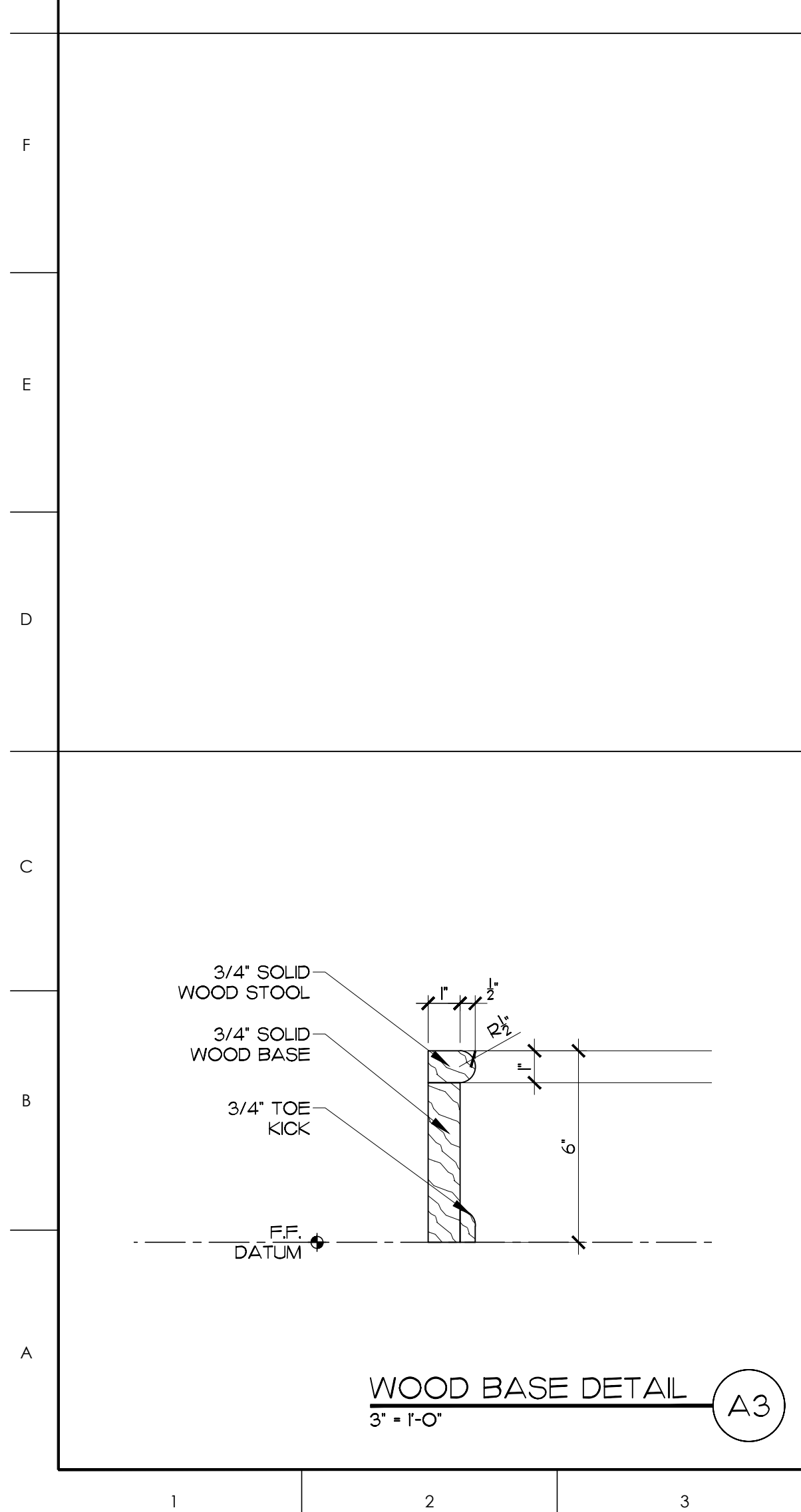
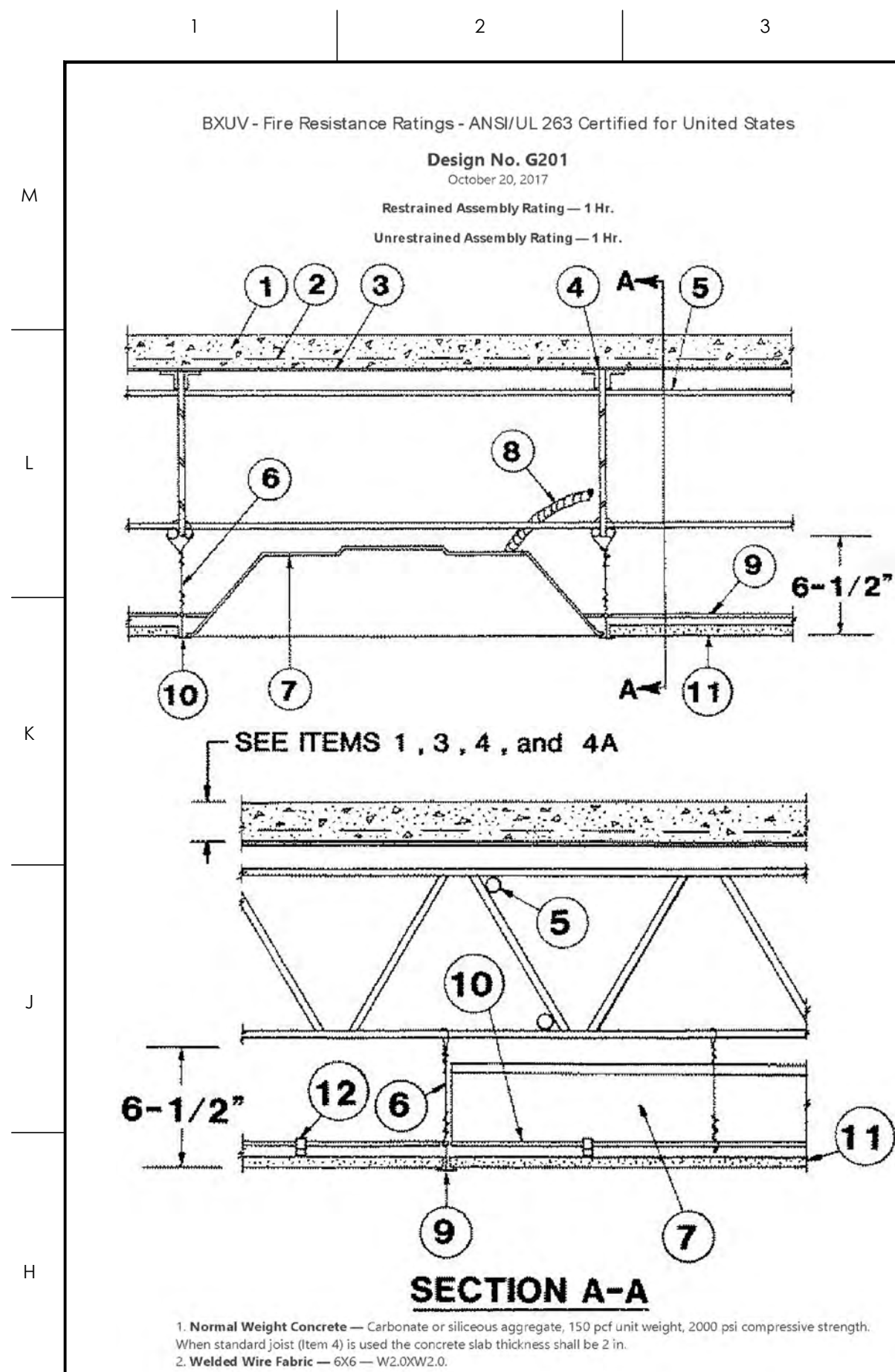
DRAWING TITLE
FIRST FLOOR
REFLECTED CEILING PLAN

SCALE
1/8" = 1'-0"
DRAWN
MCZ
CHECKED
JKF
DATE
3-6-2023
PROJECT NO.
2022-19

DRAWING NO
A5.1

FIRST FLOOR
REFLECTED CEILING PLAN
1/8" = 1'-0"

A15



MATERIALS KEYING LEGEND		
GENERAL NOTES		
KEY PLAN		
NO.	REVISION	DATE
SEAL		
	JKF ARCHITECTURE	
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068		
PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC		
DRAWING TITLE		
PARTITION TYPES & INTERIOR DETAILS		
SCALE	DRAWING NO.	A7.I
AS NOTED		
DRAWN	BTP	
CHECKED	JKF	
DATE	3-6-2023	
PROJECT NO.	2022-19	
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MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

NO	REVISION	DATE
SEAL	JOHN K. FARKAS REGISTERED ARCHITECT 8/1/2023 5922 <i>John Farkas</i> GREENVILLE, NC	JKF ARCHITECTURE

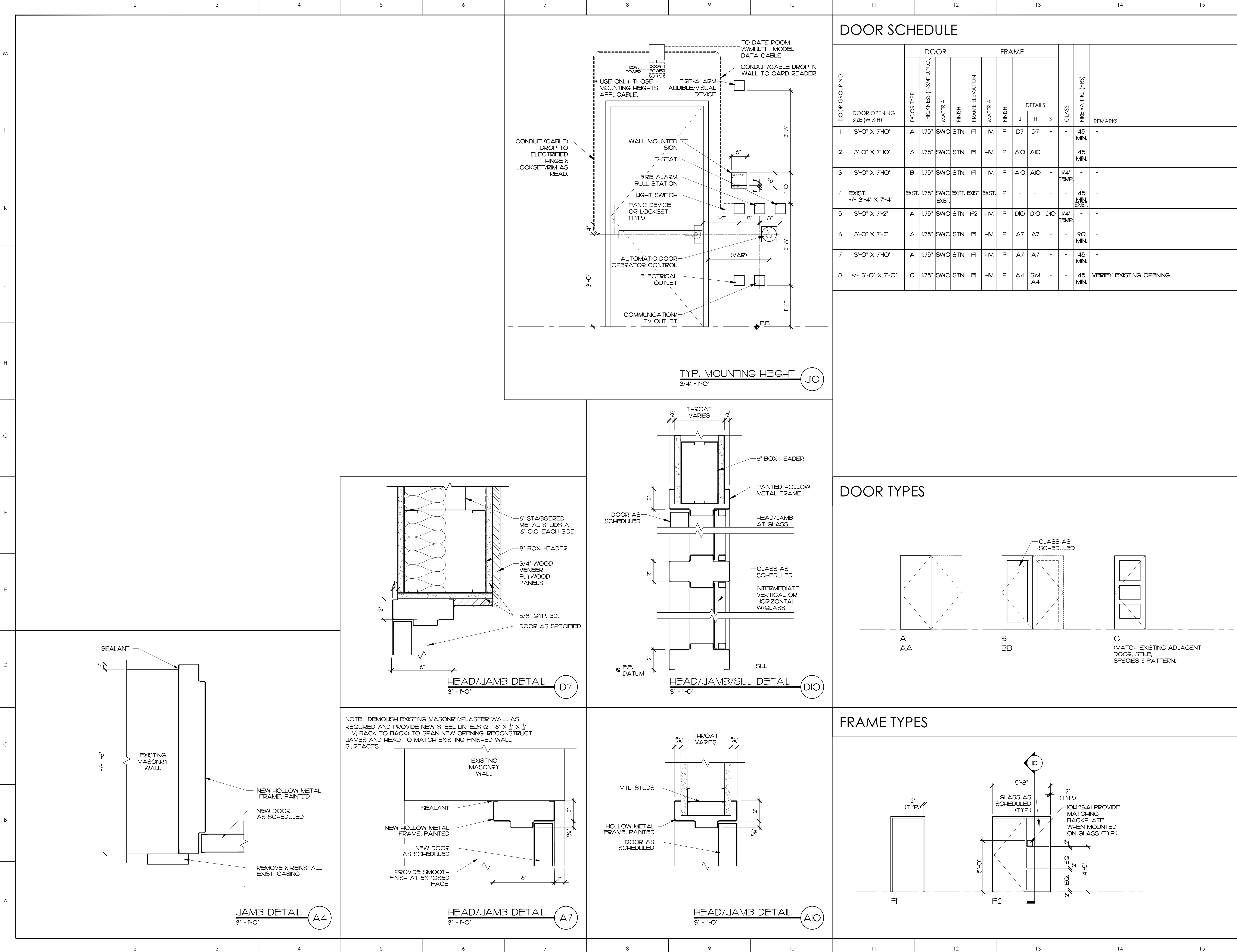
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE

INTERIOR DETAILS &
CASEWORK SECTIONS

SCALE	DRAWING NO
AS NOTED	A7.2
DRAWN	
CHECKED	
DATE	
PROJECT NO.	



MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

NO	REVISION	DATE

JOHN K. FARKAS

REGISTERED ARCHITECT

5322

JOHN K. FARKAS

GREENVILLE, NC

J K F

ARCHITECTURE

425 LYNNDAL CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

DRAWING TITLE

DOOR SCHEDULE, TYPES, AND DETAILS

SCALE

AS NOTED

DRAWN

BTP

CHECKED

JKF

DATE

3-6-2023

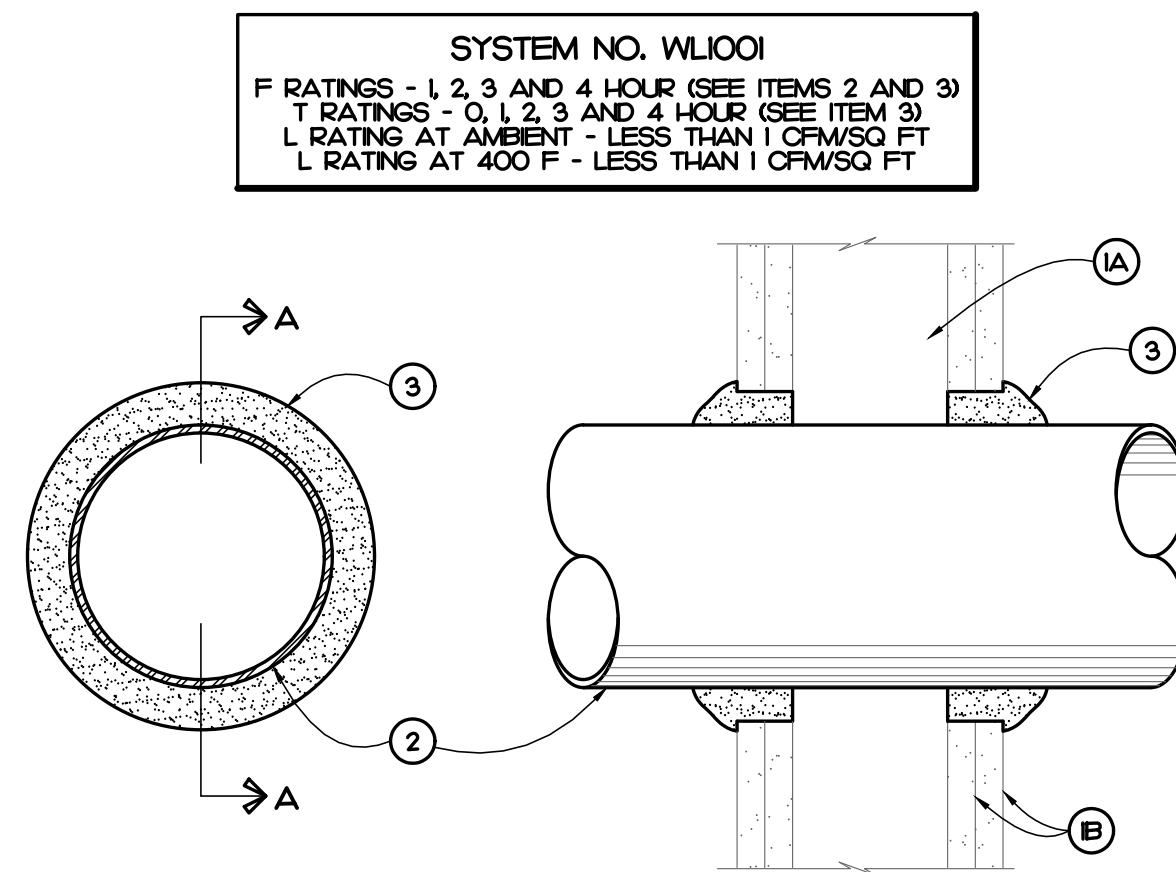
PROJECT NO.

2022-19

DRAWING NO.

A8.1

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SECTION A - A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U3000 OR U4000 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAXIMUM 2 HOUR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16" ON CENTER WITH NOMINAL 2" x 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MINIMUM 3 5/8" WIDE x 1 3/8" DEEP CHANNELS SPACED MAXIMUM 24" ON CENTER.
- B. GYPSUM BOARD - NOMINAL 1/2" OR 5/8" THICK, 4' WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL SYSTEM DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAXIMUM DIAMETER OF OPENING IS 26".
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MINOR OF (1) POINT CONTACT TO MAXIMUM 2" PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY, THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. STEEL PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVY) STEEL PIPE.
- B. IRON PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVY) CAST IRON SOIL PIPE, NOMINAL 12" DIAMETER (OR SMALLER) OR CLASS 50 (OR HEAVY) DUCTILE IRON PRESSURE PIPE.
- C. CONDUIT - NOMINAL 6" DIAMETER (OR SMALLER) STEEL CONDUIT OR NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
- D. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVY) COPPER TUBING.
- E. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVY) COPPER PIPE.
- F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
1. NOMINAL 2" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
2. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
3. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
- WARD MFG INC.
3. FILL VOID OR CAVITY MATERIAL - CALK OR SEALANT - MINIMUM 5/8", 1 1/4", 1 7/8" AND 2" THICK CALK FOR 1, 2, 3 AND 4 HOUR RATED ASSEMBLIES RESPECTIVELY, APPLIED WITH ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MINIMUM 1/4" DIAMETER BEAD OF CALK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY T RATING OF THE FIRESTOP SYSTEM SHALL BE DETERMINED BY THE FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

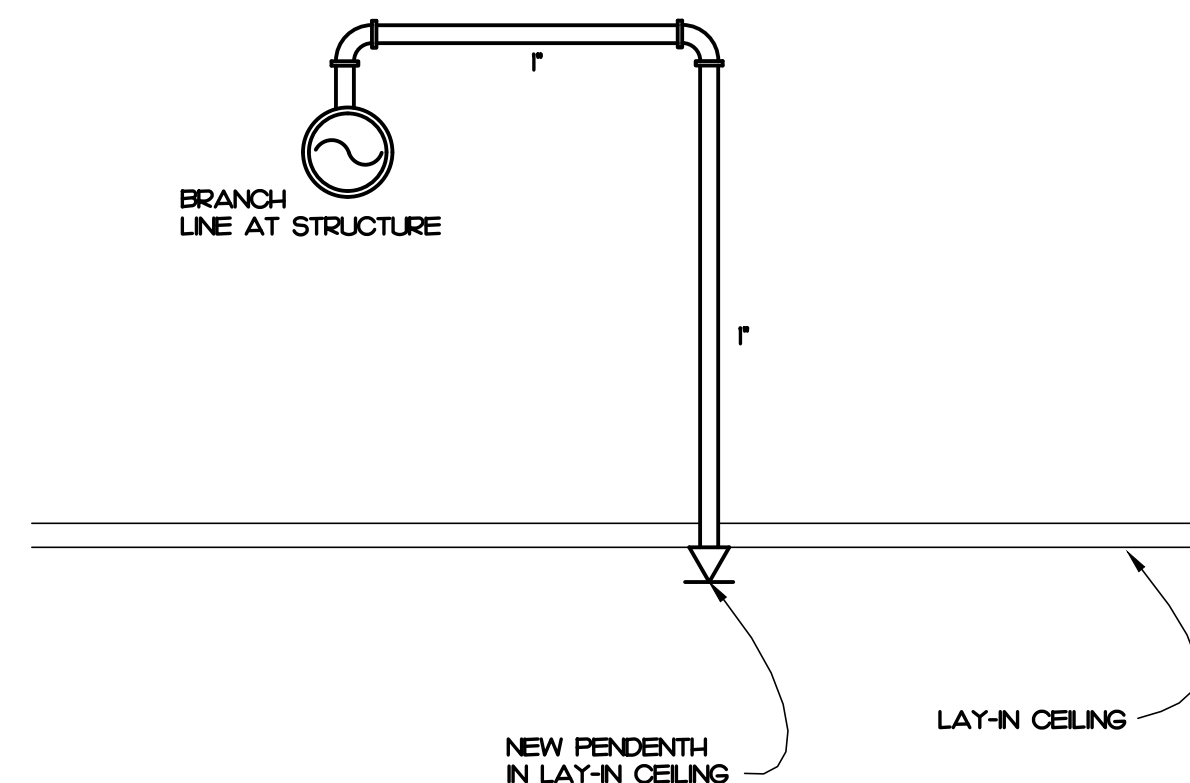
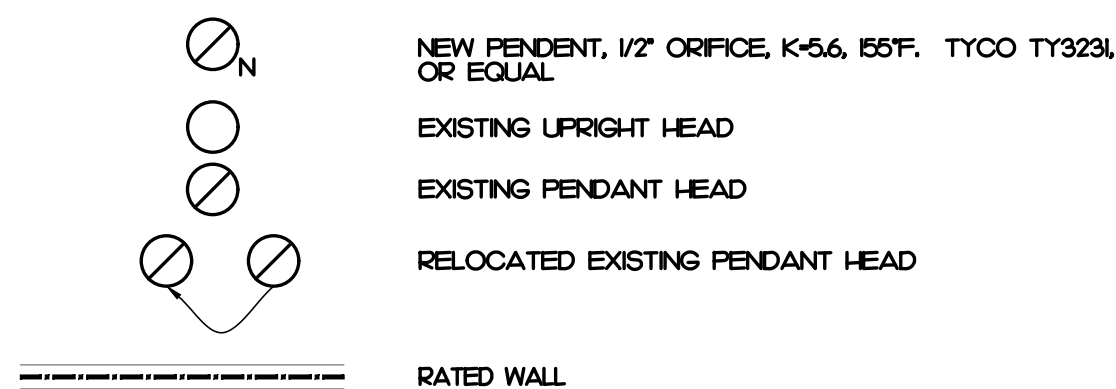
MAXIMUM PIPE OR CONDUIT DIAMETER INCHES	F RATING HOUR	T RATING HOUR
1	1 OR 2	0+ 1 OR 2
1	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
12	1 OR 2	0

•WHEN COPPER PIPE IS USED, T RATING IS 0 HOUR.
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.
•BEARING THE UL CLASSIFICATION MARKING

GENERAL NOTES

1. THE SPRINKLER CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES PRIOR TO INSTALLATION. (LIGHTS, PIPES, ETC).
2. THE SPRINKLER CONTRACTOR SHALL COORDINATE SHUT-OFF TIMES WITH OWNER.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL NFPA CODES, IS & 72.
4. THE SPRINKLER CONTRACTOR SHALL BE A LICENSED SPRINKLER CONTRACTOR.
5. WIRING FROM ALL TAMPER SWITCHES AND FLOW SWITCHES TO FIRE ALARM PANEL SHALL BE BY THE ELECTRICAL CONTRACTOR.
6. ALL CUTTING AND PATCHING SHALL BE DONE BY THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
7. ALL PIPE UP TO 2" SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED FITTING. PIPING 2 1/2" AND LARGER SHALL BE SCHEDULE 10 BLACK STEEL WITH ROLLED GROOVE FITTING.
8. ALL HEADS ARE TO BE CENTERED IN TILES UNLESS OTHERWISE NOTED.
9. TESTING SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. PRESSURE TEST SHALL BE STATIC WATER AT TEST PRESSURE OF 200 PSIG FOR 2 HOURS DURATION WITHOUT LEAK FROM ANY JOINT OR SEGMENT OF THE PIPING SYSTEM FROM ANY EQUIPMENT OR DEVICE.
10. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE WORK OF OTHER, TO BUILDING AND PROPERTY / MATERIALS OF OTHERS CAUSED BY LEAKS IN SPRINKLER EQUIPMENT, UNPLUGGED OR DISCONNECTED PIPES FOR FITTINGS, AND SHALL PAY FOR NECESSARY REPLACEMENT OR REPAIR OF WORK OR ITEMS SO DAMAGED DURING THE INSTALLATION AND TESTING PERIODS OF THE STANDPIPE WORK.
11. TESTS PER SECTION H1 OF NFPA 13 IS TO BE WITNESSED BY THE OWNERS INSURANCE UNDERWRITERS, THE INSTALLING CONTRACTOR AND THE ARCHITECT / ENGINEER FIELD INSPECTOR - REPRESENTATIVE. SPRINKLER CONTRACTOR TO SUBMIT 3 COPIES OF NFPA 13-1990 "CONTRACTORS MATERIAL AND TEST CERTIFICATE".
12. FLUSH, TEST, AND INSPECT SPRINKLER PIPING SYSTEMS IN ACCORDANCE WITH NFPA 13.
13. REPLACE PIPING SYSTEM COMPONENTS WHICH DO NOT PASS THE TEST PROCEDURES SPECIFIED, AND RETEST REPAIRED PORTION OF THE SYSTEM. THE CONTRACTOR SHALL PROVIDE A UNIT COST TO ADD ADDITIONAL HEADS REQUIRED IN THE FIELD.
14. THE CONTRACTOR SHALL INCLUDE COST IN CONTRACT TO ADD HEADS REQUIRED IN THE FIELD.
15. THE G.C. TO PAINT EXPOSED PIPING, COORDINATE ROUTING OF PIPING WITH G.C.

SYMBOL LEGEND



ARM OVER DETAIL

SCALE: NOT TO SCALE

A15

FP0.0

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KEY PLAN

NO	REVISION	DATE

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PITT COUNTY
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DRAWING TITLE

FIRE PROTECTION
NOTES, LEGENDS
AND DETAILS

SCALE

AS NOTED

DRAW

JAD

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114

DATE _____

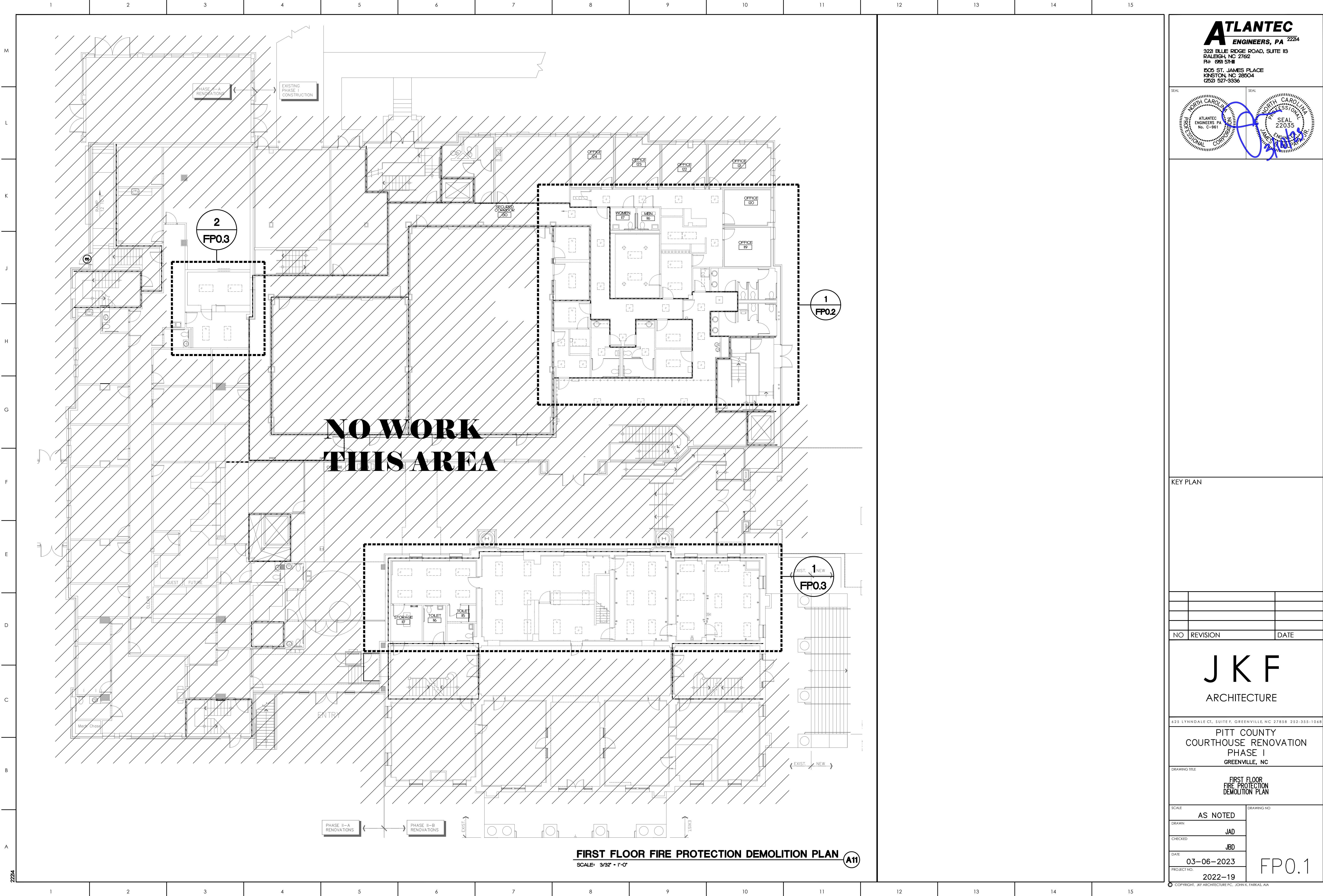
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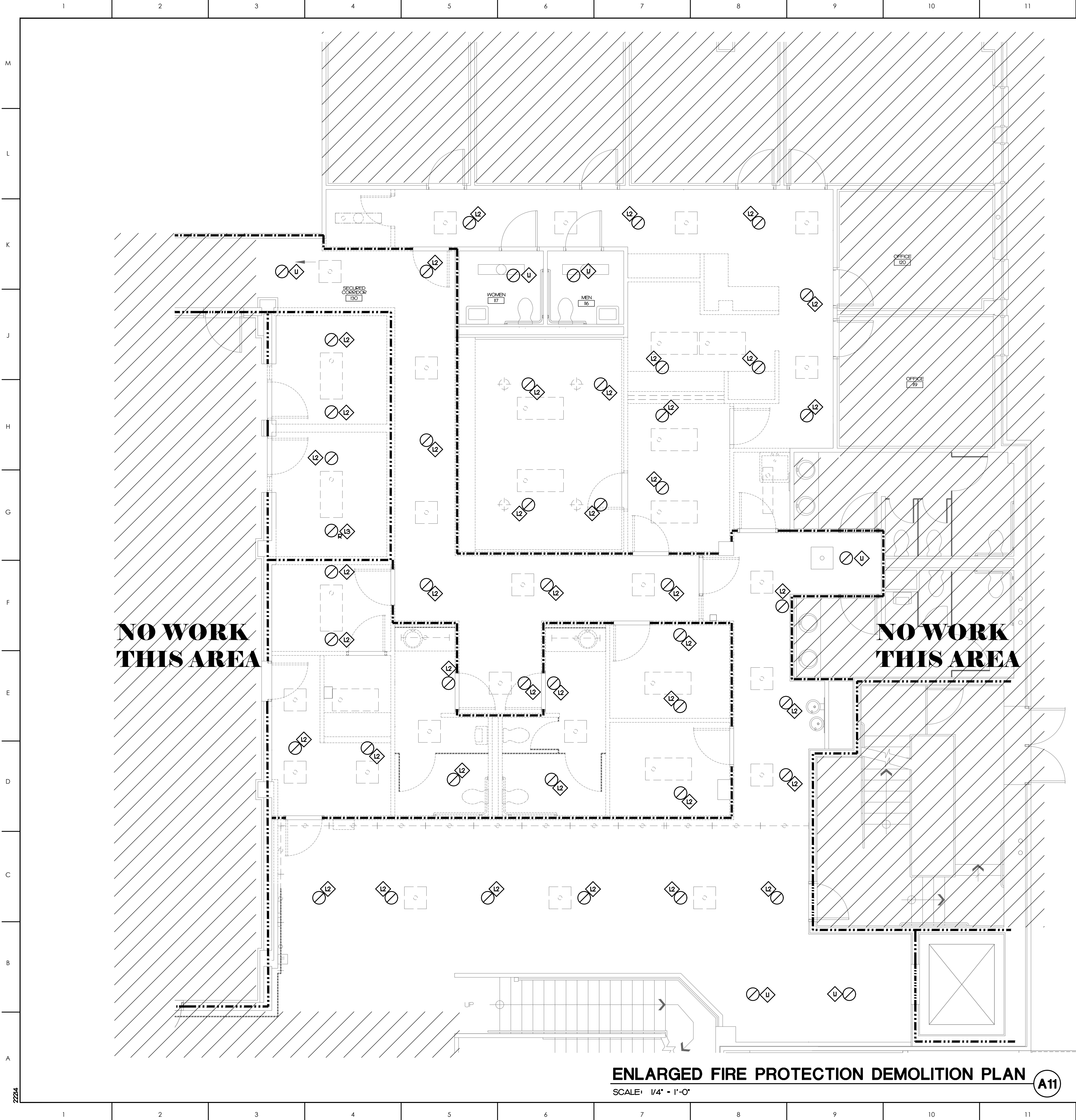
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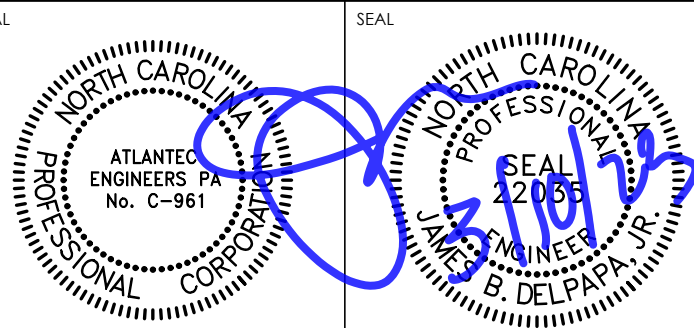




FIRE PROTECTION KEY NOTES

- U EXISTING PENDANT HEAD TO REMAIN, NO WORK.
- L2 RELOCATE EXISTING PENDANT HEAD, SEE RENOVATION PLAN FOR NEW LOCATION.
- L3 REMOVE EXISTING PENDANT HEAD AND ASSOCIATED PIPING.

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(252) 527-3336



KEY PLAN

NO	REVISION	DATE

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**PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC**

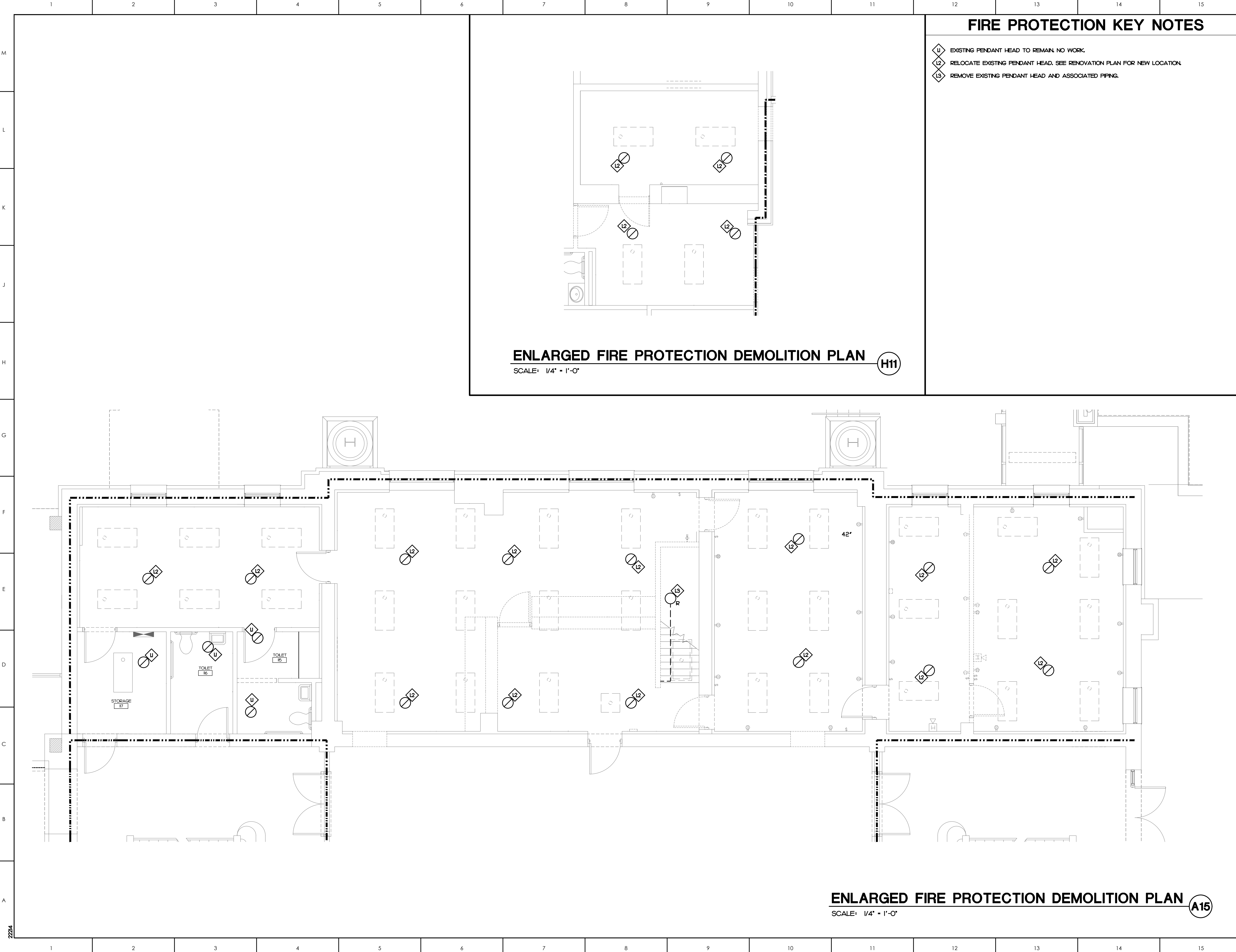
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**ENLARGED
FIRE PROTECTION
DEMOLITION PLAN**

SCALE	AS NOTED
DRAWN	JAD
CHECKED	JBD
DATE	03-06-2023
PROJECT NO.	2022-19

FP0.2

ENLARGED FIRE PROTECTION DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

A11



FIRE PROTECTION KEY NOTES

- 11 EXISTING PENDANT HEAD TO REMAIN. NO WORK.
- 12 RELOCATE EXISTING PENDANT HEAD. SEE RENOVATION PLAN FOR NEW LOCATION.
- 13 REMOVE EXISTING PENDANT HEAD AND ASSOCIATED PIPING.

ENLARGED FIRE PROTECTION DEMOLITION PLAN

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

H11

ENLARGED FIRE PROTECTION DEMOLITION PLAN

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

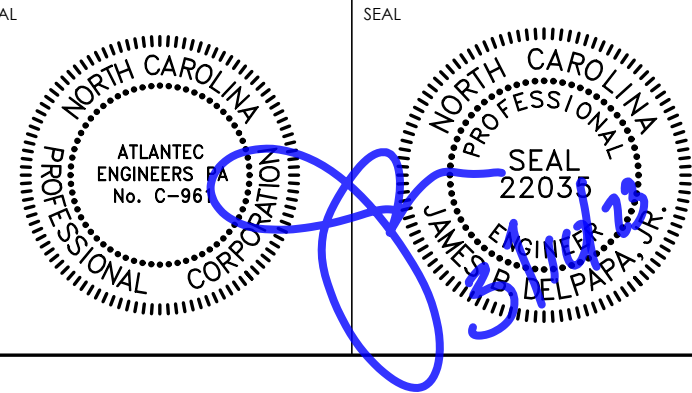
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KEY PLAN

NO	REVISION	DATE

J K F

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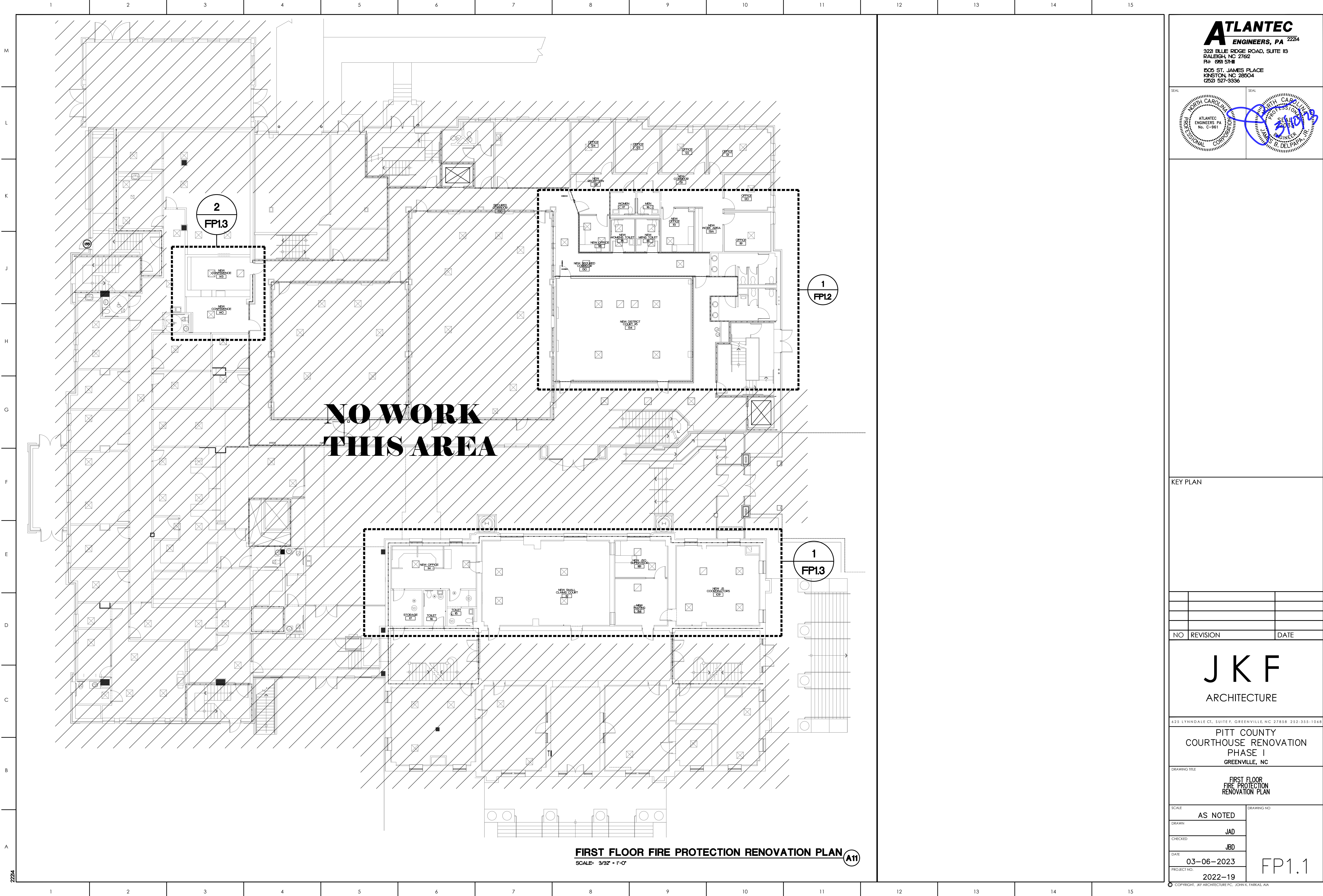
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PHASE I
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DRAWING TITLE
ENLARGED
FIRE PROTECTION
DEMOLITION PLAN

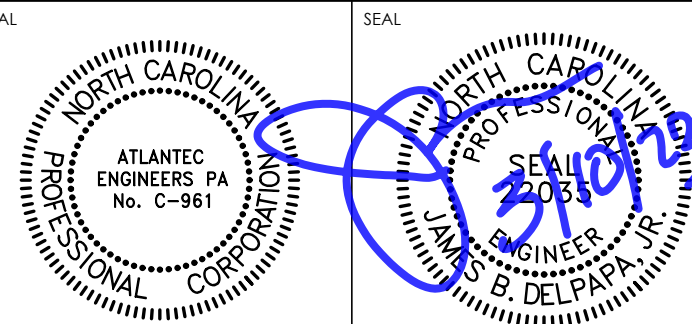
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PROJECT NO.	2022-19

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KEY PLAN

NO	REVISION	DATE

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**PITT COUNTY
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PHASE I
GREENVILLE, NC**

DRAWING TITLE
**FIRST FLOOR
FIRE PROTECTION
RENOVATION PLAN**

SCALE
AS NOTED

DRAWN
JAD

CHECKED
JBD

DATE
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FP1.1

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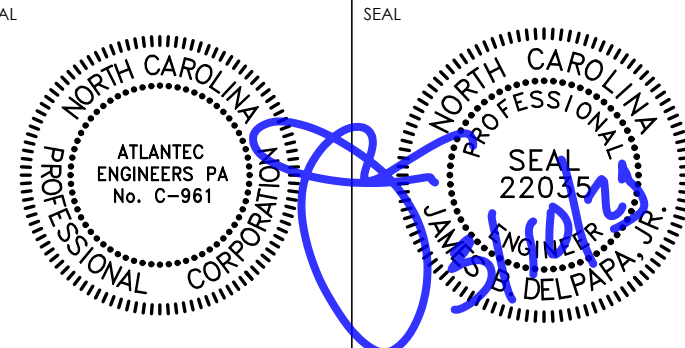


FIRE PROTECTION KEY NOTES

- U EXISTING PENDANT HEAD, CENTER IN CEILING TILE AS REQUIRED.
- 12 NEW LOCATION OF RELOCATE EXISTING PENDANT HEAD, SHORTEN/LENGTHEN ARM OVER AS REQUIRED FOR NEW LOCATION OF HEAD.
- 13 CONNECT NEW HEAD TO EXISTING BRANCH AS REQUIRED WITH T ARM OVER.

NOTE:
RAISE ALL SPRINKLER PIPING IN NEW
DISTRICT COURT #5 134 TO ABOVE
NEW CEILING HEIGHT AS NEEDED.

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KEY PLAN

NO	REVISION	DATE

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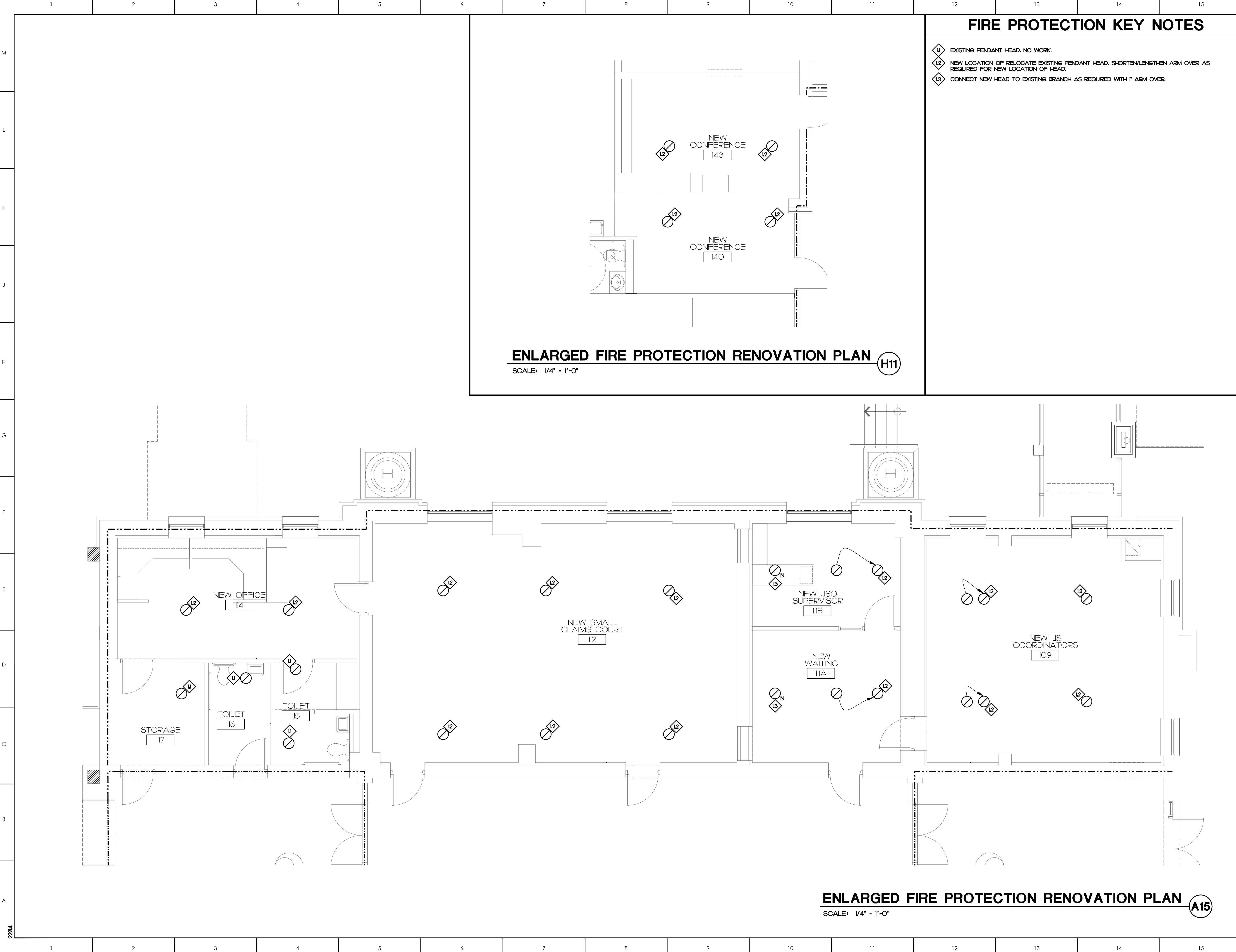
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PHASE I
GREENVILLE, NC**

DRAWING TITLE
**ENLARGED
FIRE PROTECTION
RENOVATION PLAN**

SCALE	DRAWING NO.
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DATE	03-06-2023
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ENLARGED FIRE PROTECTION RENOVATION PLAN **A11**
SCALE: 1/4" = 1'-0"



FIRE PROTECTION KEY NOTES

- U EXISTING PENDANT HEAD. NO WORK.
- 12 NEW LOCATION OF RELOCATE EXISTING PENDANT HEAD. SHORTEN/LENGTHEN ARM OVER AS REQUIRED FOR NEW LOCATION OF HEAD.
- 13 CONNECT NEW HEAD TO EXISTING BRANCH AS REQUIRED WITH T ARM OVER.

ENLARGED FIRE PROTECTION RENOVATION PLAN

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

H11

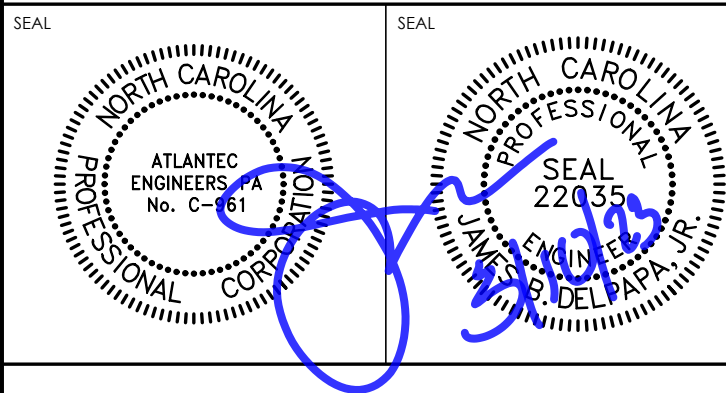
ENLARGED FIRE PROTECTION RENOVATION PLAN

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

A15

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KEY PLAN

NO	REVISION	DATE

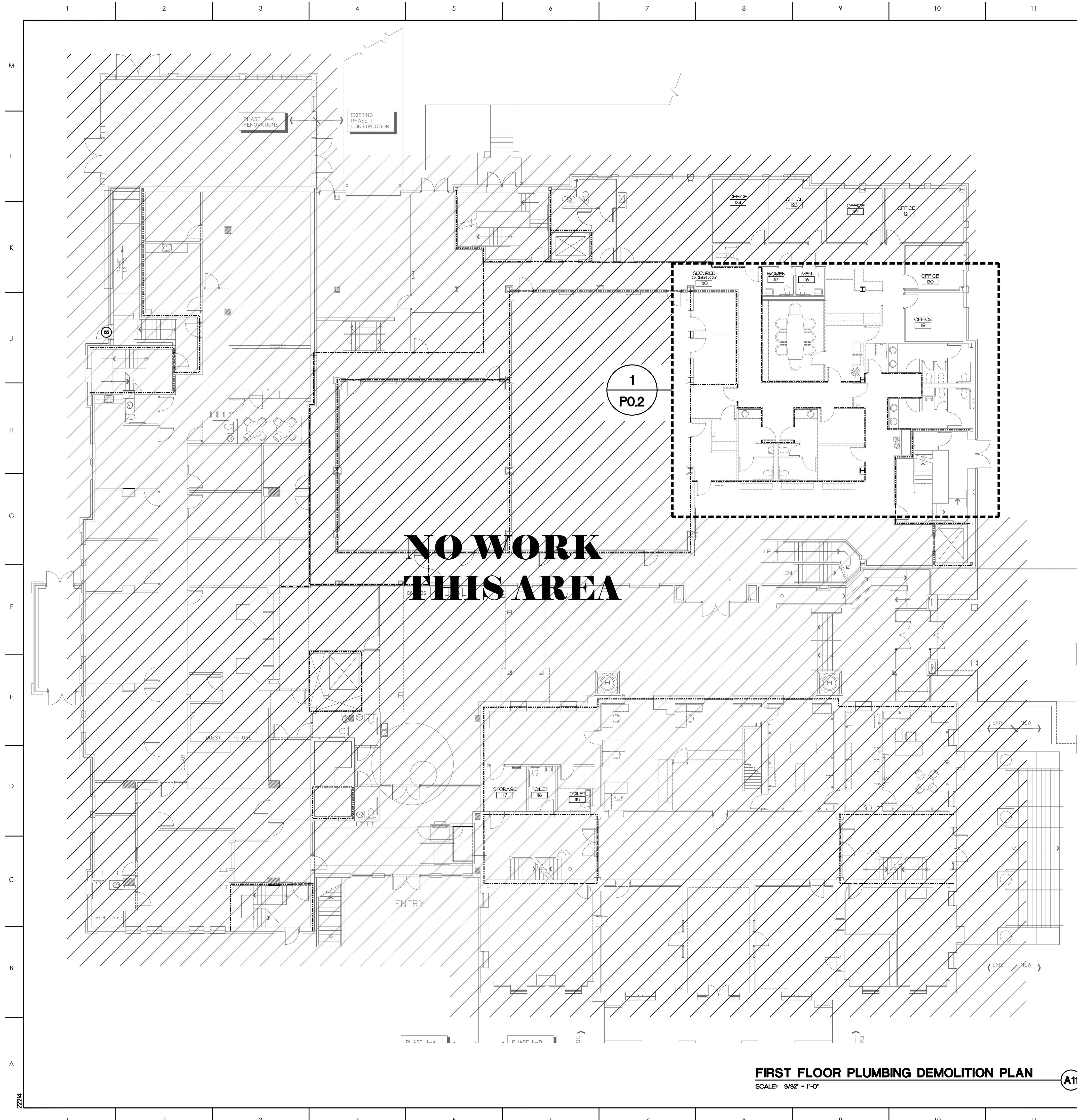
J K F
ARCHITECTURE

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COURTHOUSE RENOVATION
PHASE I
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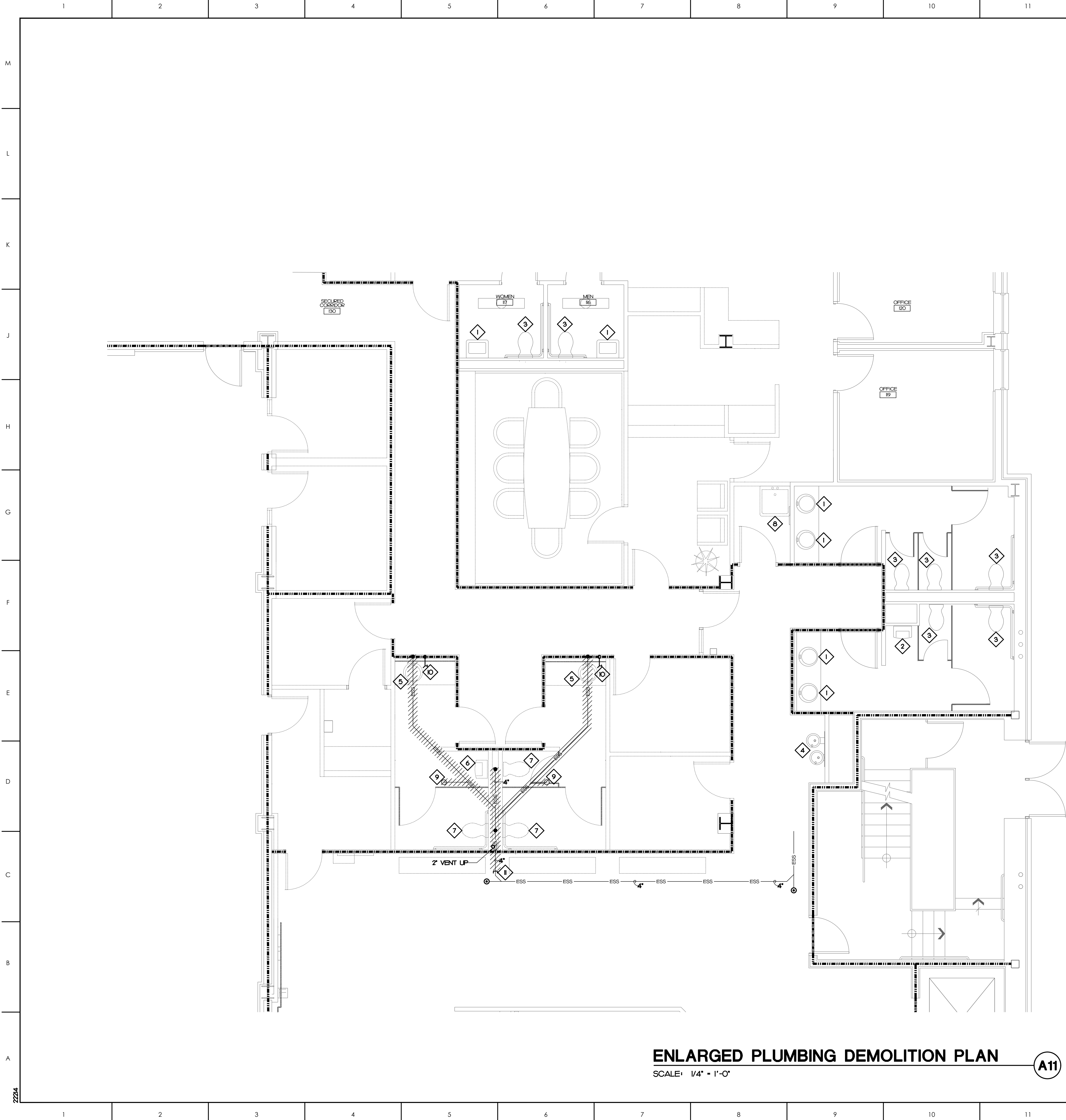
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FIRE PROTECTION
RENOVATION PLAN

SCALE	DRAWING NO.
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SEAL 		SEAL  <i>[Handwritten signature]</i> <i>3/10/23</i>			
KEY PLAN					
NO		REVISION		DATE	
J K F ARCHITECTURE					
425 LYNDALE CT., SUITE F, GREENVILLE, NC 27658 252-355-1048					
PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC					
DRAWING TITLE FIRST FLOOR PLUMBING DEMOLITION PLAN					
SCALE AS NOTED			P0.1		
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CHECKED JBD					
DATE 03-06-2023					
PROJECT NO. 2022-19					
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ENLARGED PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0" **A11**

PLUMBING KEY NOTES

- 1 EXISTING LAVATORY TO REMAIN. NO WORK.
- 2 EXISTING URINAL TO REMAIN. NO WORK.
- 3 EXISTING WATER CLOSET TO REMAIN. NO WORK.
- 4 EXISTING ELECTRIC WATER COOLER TO REMAIN. NO WORK.
- 5 REMOVE EXISTING LAVATORY. CAP WATER AND VENT ABOVE FINISHED CEILING AND WASTE BELOW FINISHED FLOOR.
- 6 REMOVE EXISTING URINAL. CAP WATER AND VENT ABOVE FINISHED CEILING AND WASTE BELOW FINISHED FLOOR.
- 7 REMOVE EXISTING WATER CLOSET. CAP WATER ABOVE FINISHED CEILING AND WASTE BELOW FINISHED FLOOR.
- 8 REMOVE EXISTING MOP RECEPTOR. CAP WATER AND VENT ABOVE FINISHED CEILING AND WASTE BELOW FINISHED FLOOR.
- 9 REMOVE EXISTING FLOOR DRAIN.
- 10 REMOVE EXISTING HOSE BIBB.
- 11 CAP EXISTING WASTE IN THIS LOCATION.

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SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
ATLANTEC ENGINEERS, PA
No. C-961
22035
3/10/23

KEY PLAN

NO	REVISION	DATE

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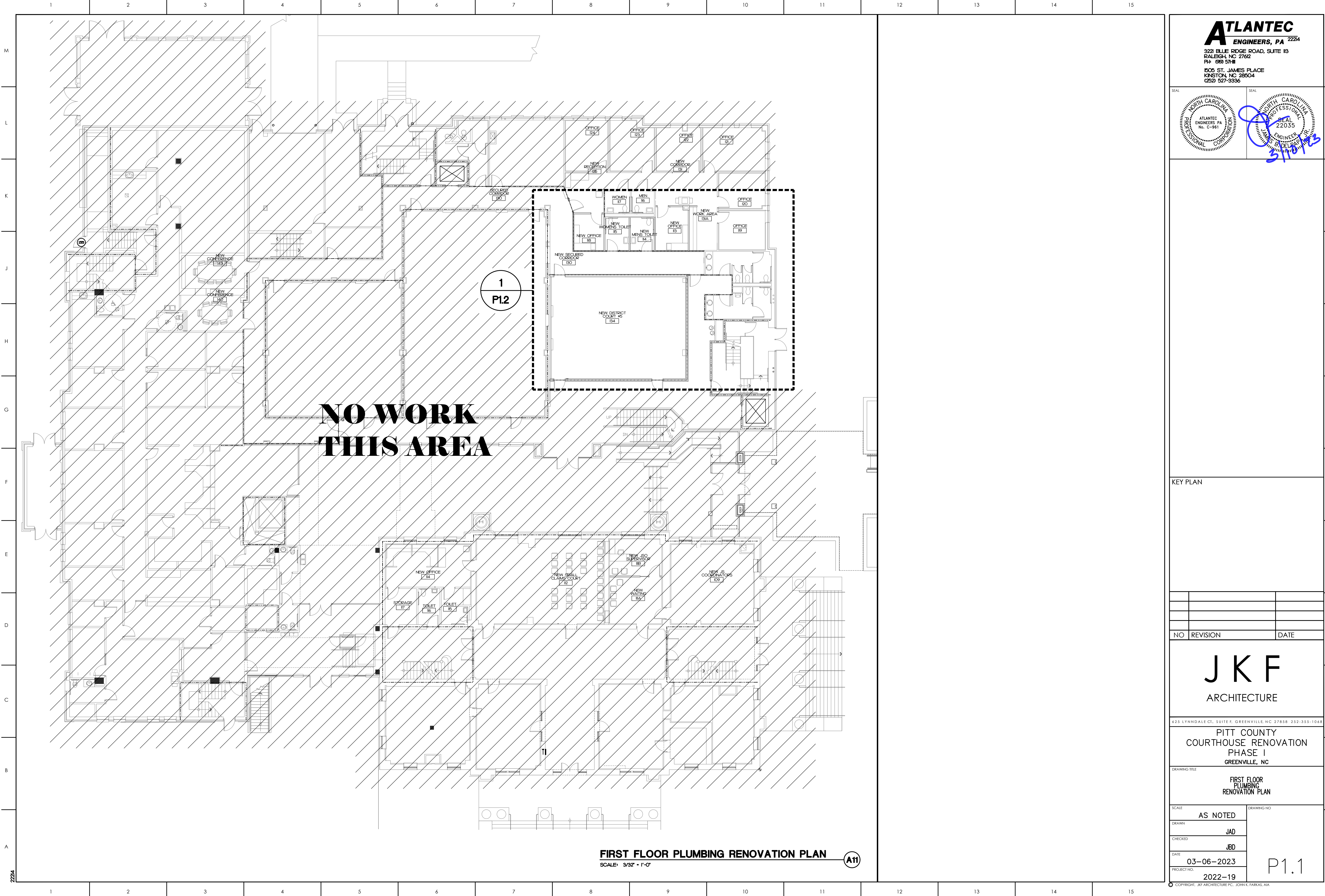
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COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
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PLUMBING
DEMOLITION PLAN

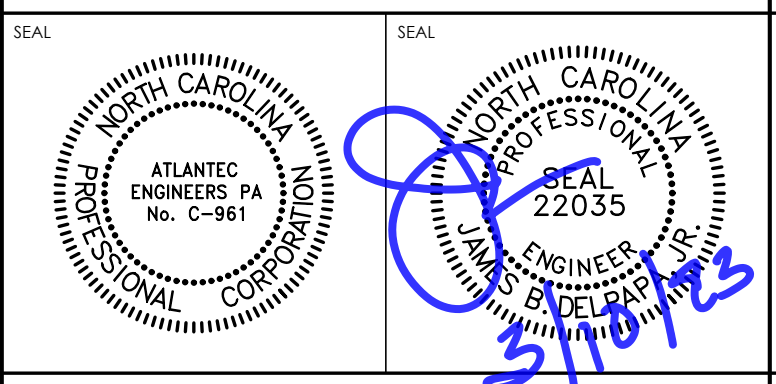
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DATE: 03-06-2023	

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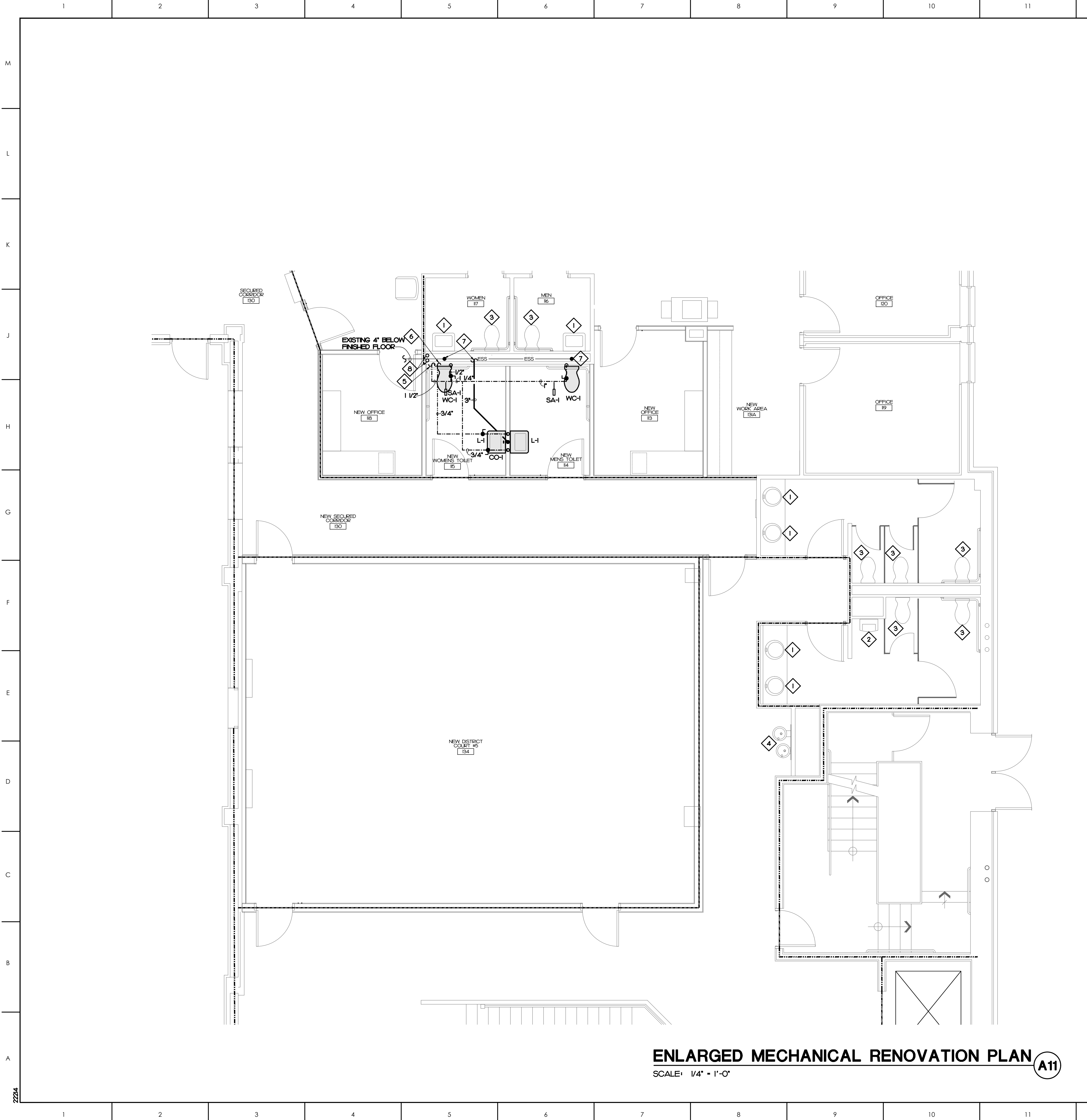
KEY PLAN

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ENLARGED MECHANICAL RENOVATION PLAN **A11**
SCALE: 1/4" = 1'-0"

MECHANICAL KEY NOTES

- 1 EXISTING LAVATORY TO REMAIN. NO WORK.
- 2 EXISTING URINAL TO REMAIN. NO WORK.
- 3 EXISTING WATER CLOSET TO REMAIN. NO WORK.
- 4 EXISTING ELECTRIC WATER COOLER TO REMAIN. NO WORK.
- 5 CONNECT NEW 1 1/4" COLD WATER TO EXISTING COLD WATER IN THIS AREA AS REQUIRED. FIELD VERIFY EXACT LOCATION.
- 6 CONNECT NEW 3/4" HOT WATER TO EXISTING HOT WATER IN THIS AREA AS REQUIRED. FIELD VERIFY EXACT LOCATION.
- 7 CONNECT TO EXISTING SEWER/WASTE IN THIS AREA. FIELD VERIFY EXACT LOCATION AND INVERT.
- 8 EXISTING 2" COLD WATER AND 3/4" HOT WATER.

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SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
ATLANTEC ENGINEERS, PA
No. C-961
3/12/23

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
JAMES B. DELPRA, JR.
No. 22085
3/12/23

KEY PLAN

NO	REVISION	DATE

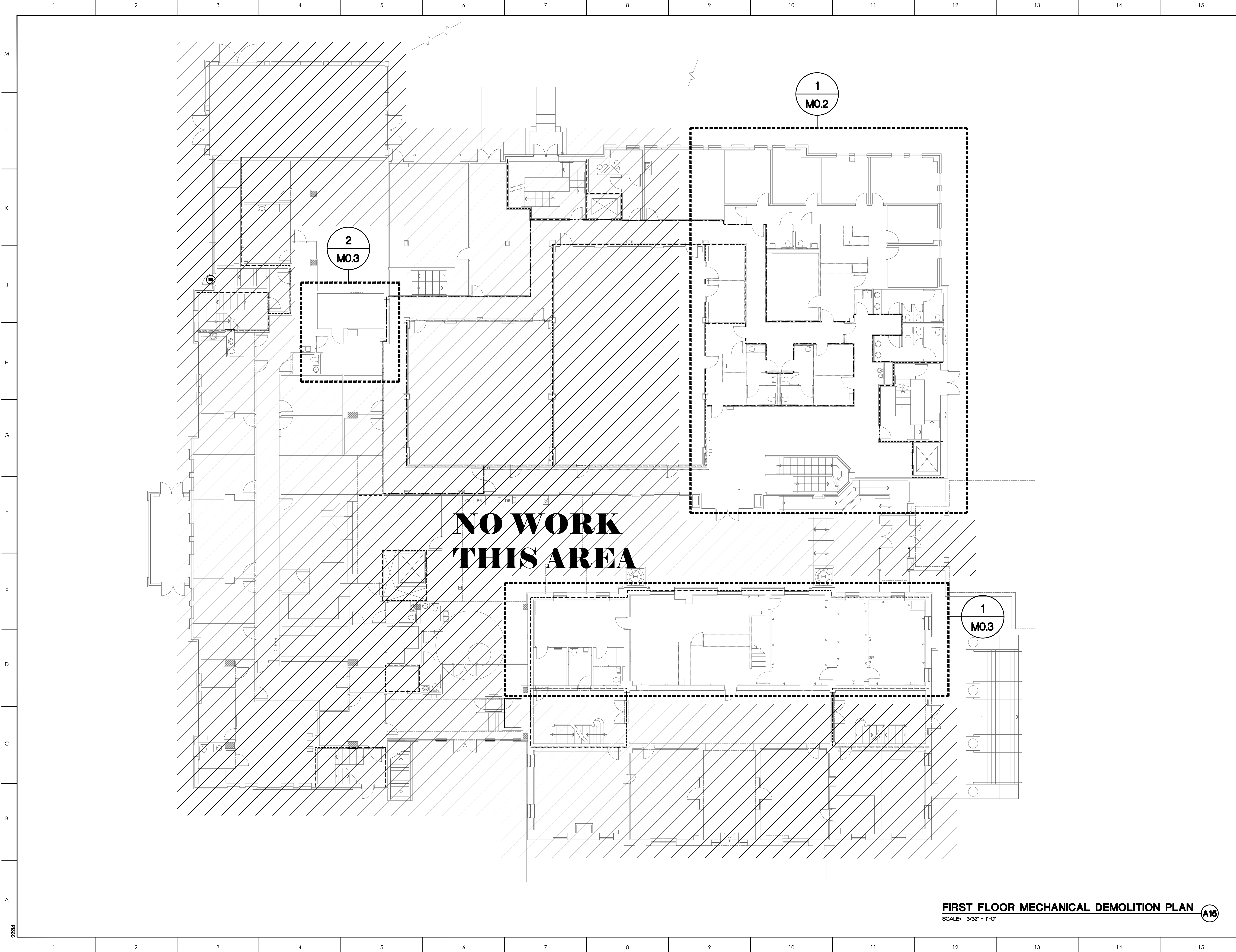
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**ENLARGED
PLUMBING
RENOVATION PLAN**

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CHECKED JBD	
DATE 03-06-2023	
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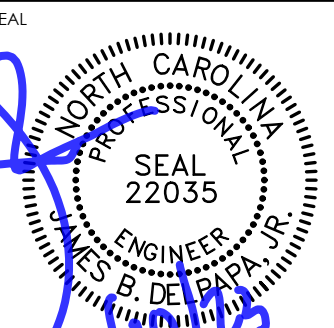
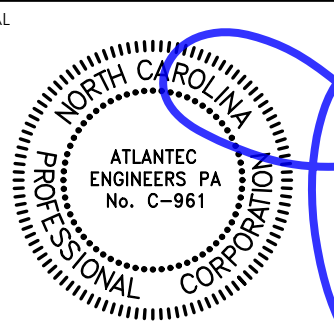
FIRST FLOOR MECHANICAL DEMOLITION PLAN

SCALE: 3/32" = 1'-0"

A15

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MECHANICAL
DEMOLITION
PLAN

SCALE
AS NOTED

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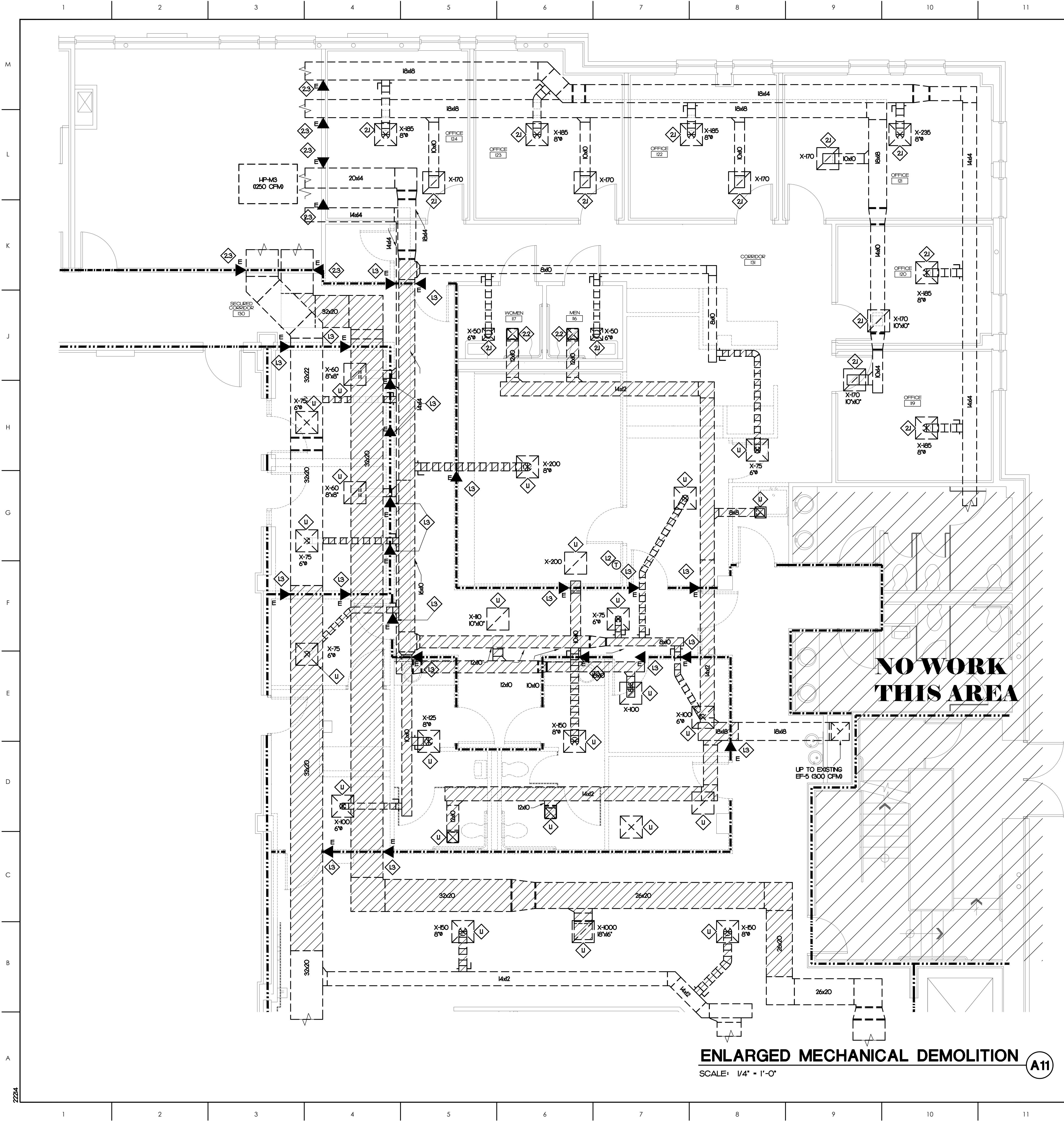
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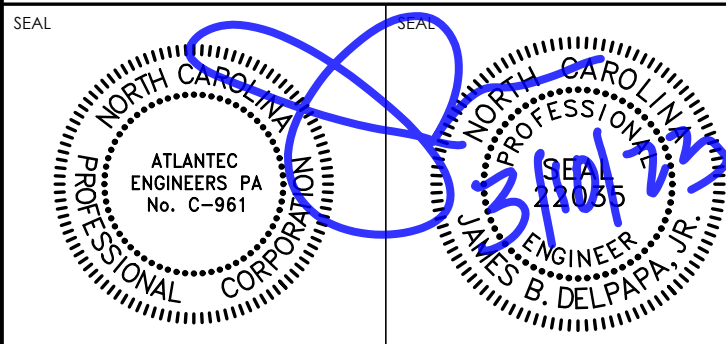


MECHANICAL KEY NOTES

- 12 REMOVE EXISTING DIFFUSER/GRILLE AND ASSOCIATED DUCT AS SHOWN.
- 13 REMOVE EXISTING THERMOSTAT.
- 21 REMOVE EXISTING FIRE DAMPER, PATCH DUCT AS REQUIRED. FIELD VERIFY SIZE OF DUCT.
- 22 EXISTING DIFFUSER/GRILLE AND ASSOCIATED DUCT TO REMAIN.
- 23 EXISTING EXHAUST GRILLE TO REMAIN. DEMO EXHAUST DUCT FROM GRILLE TO TRUNK.
- 23 EXISTING FIRE DAMPER TO REMAIN.

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KEY PLAN

NO	REVISION	DATE

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ARCHITECTURE

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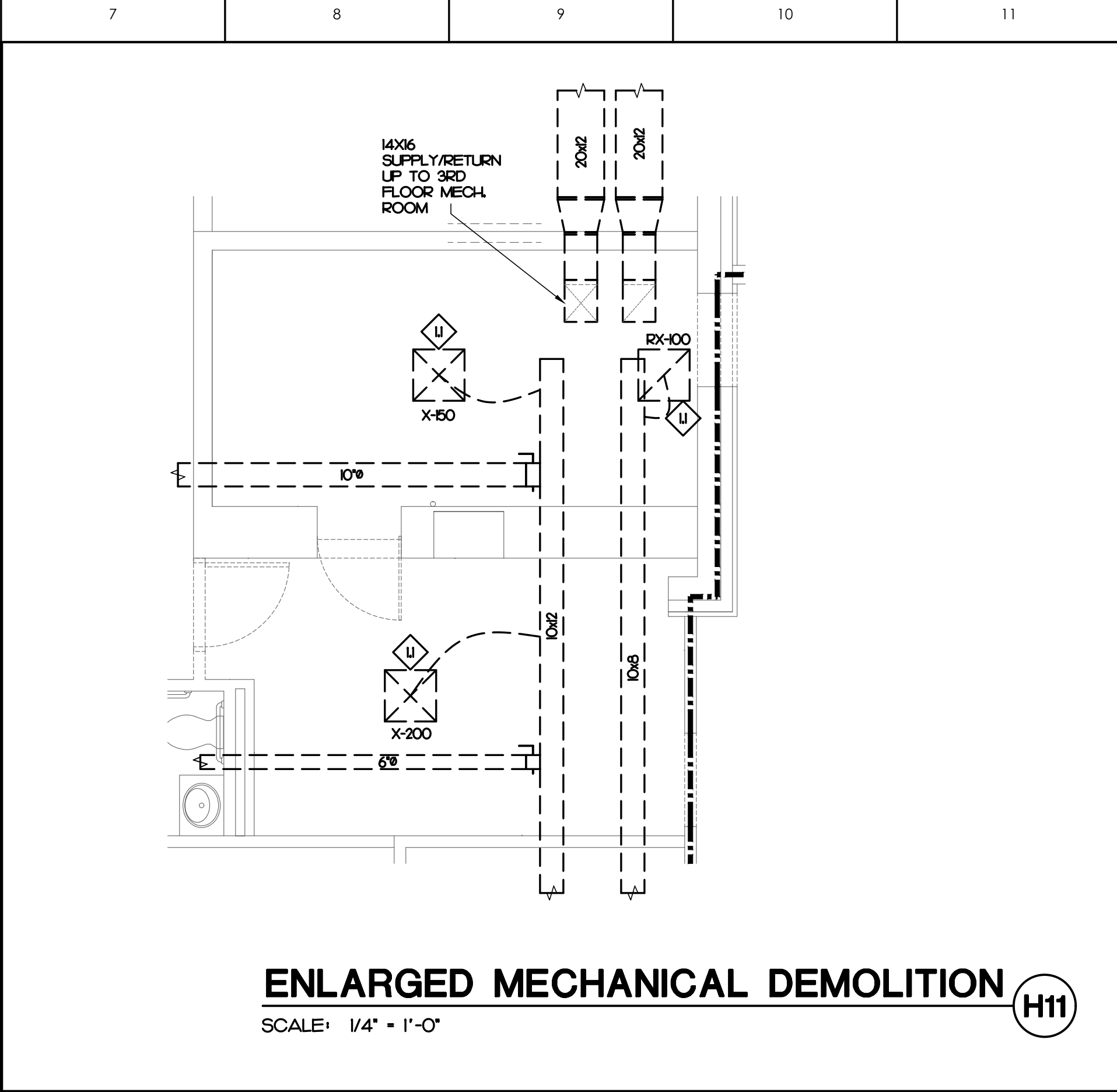
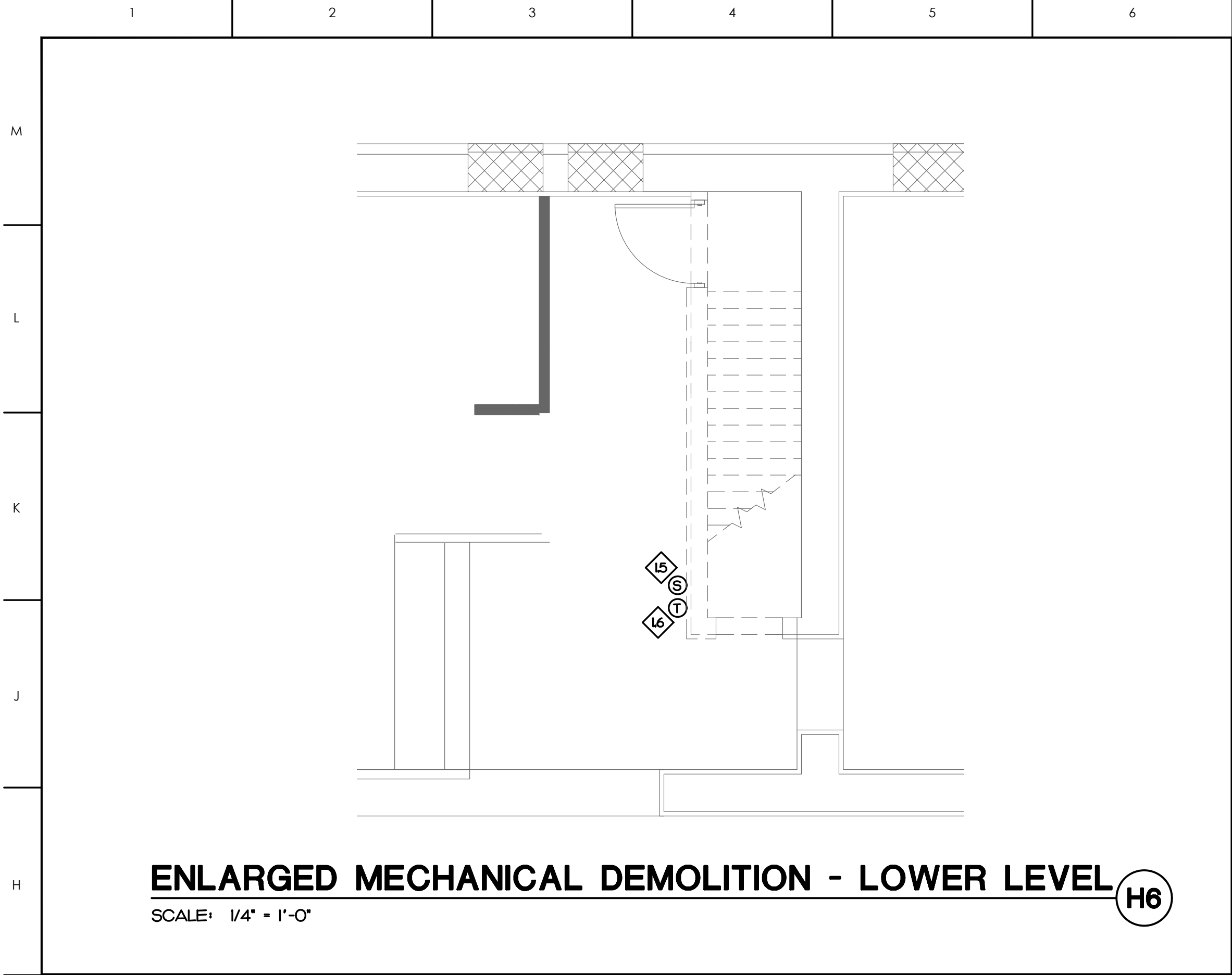
PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

ENLARGED MECHANICAL
DEMOLITION
PLAN

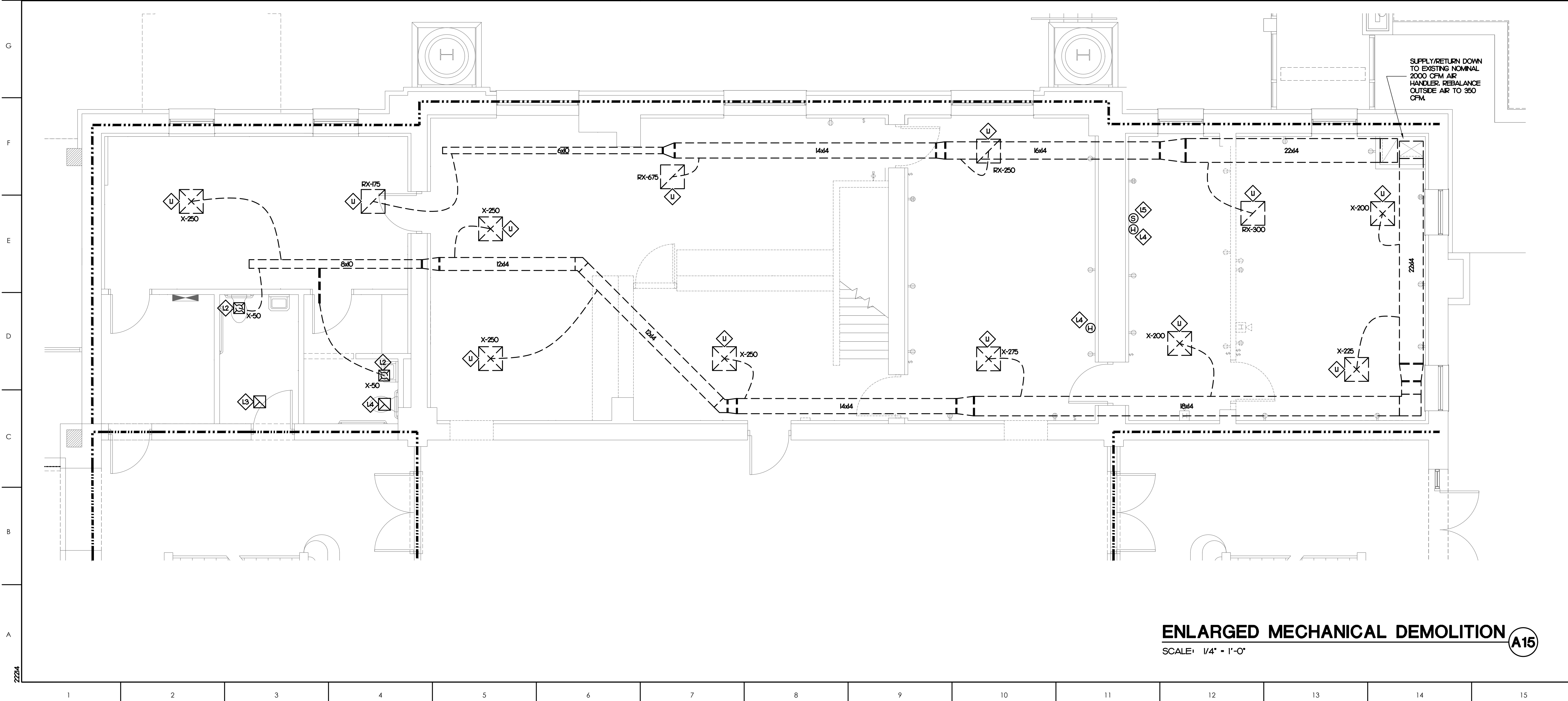
SCALE	DRAWING NO.
AS NOTED	
DRAWN: NGB	
CHECKED: JBD	
DATE: 03-06-2023	
PROJECT NO.: 2022-19	

MO.2

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- ### MECHANICAL KEY NOTES
- U RELOCATE EXISTING DIFFUSER/GRILLE IN NEW CEILING. SHORTEN/LENGTHEN FLEX DUCT AS REQUIRED. REBALANCE AS SHOWN ON RENOVATION PLAN.
 - L2 EXISTING SUPPLY DIFFUSER AND ASSOCIATED AIR DISTRIBUTION TO REMAIN.
 - L3 EXISTING EXHAUST GRILLE TO REMAIN.
 - L4 EXISTING HUMIDISTAT TO REMAIN.
 - L5 RELOCATE EXISTING TEMPERATURE SENSOR. SEE RENOVATION PLAN FOR NEW LOCATION.
 - L6 RELOCATE EXISTING THERMOSTAT. SEE RENOVATION PLAN FOR NEW LOCATION.



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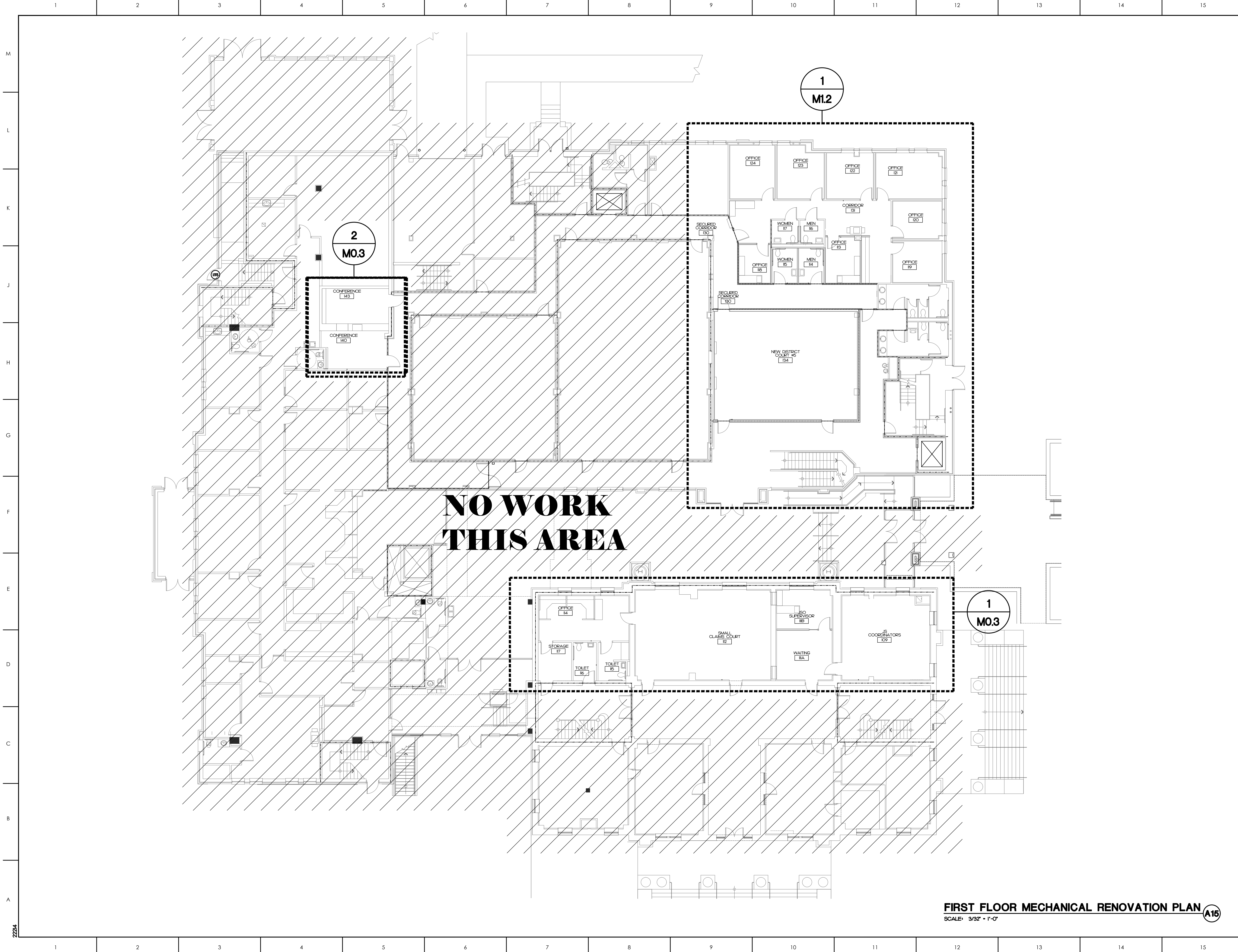
PITT COUNTY
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ENLARGED MECHANICAL
DEMOLITION
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FIRST FLOOR MECHANICAL RENOVATION PLAN **(A15)**
SCALE: 3/32" = 1'-0"

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NORTH CAROLINA

ATLANTEC ENGINEERS, PA
No. C-961

PROFESSIONAL CORPORATION

SEAL

NORTH CAROLINA

PROFESSIONAL CORPORATION

SEAL

10/03/23

REGISTERED PROFESSIONAL ENGINEER
JAMES B. DELPAPA, JR.

KEY PLAN

NO	REVISION	DATE

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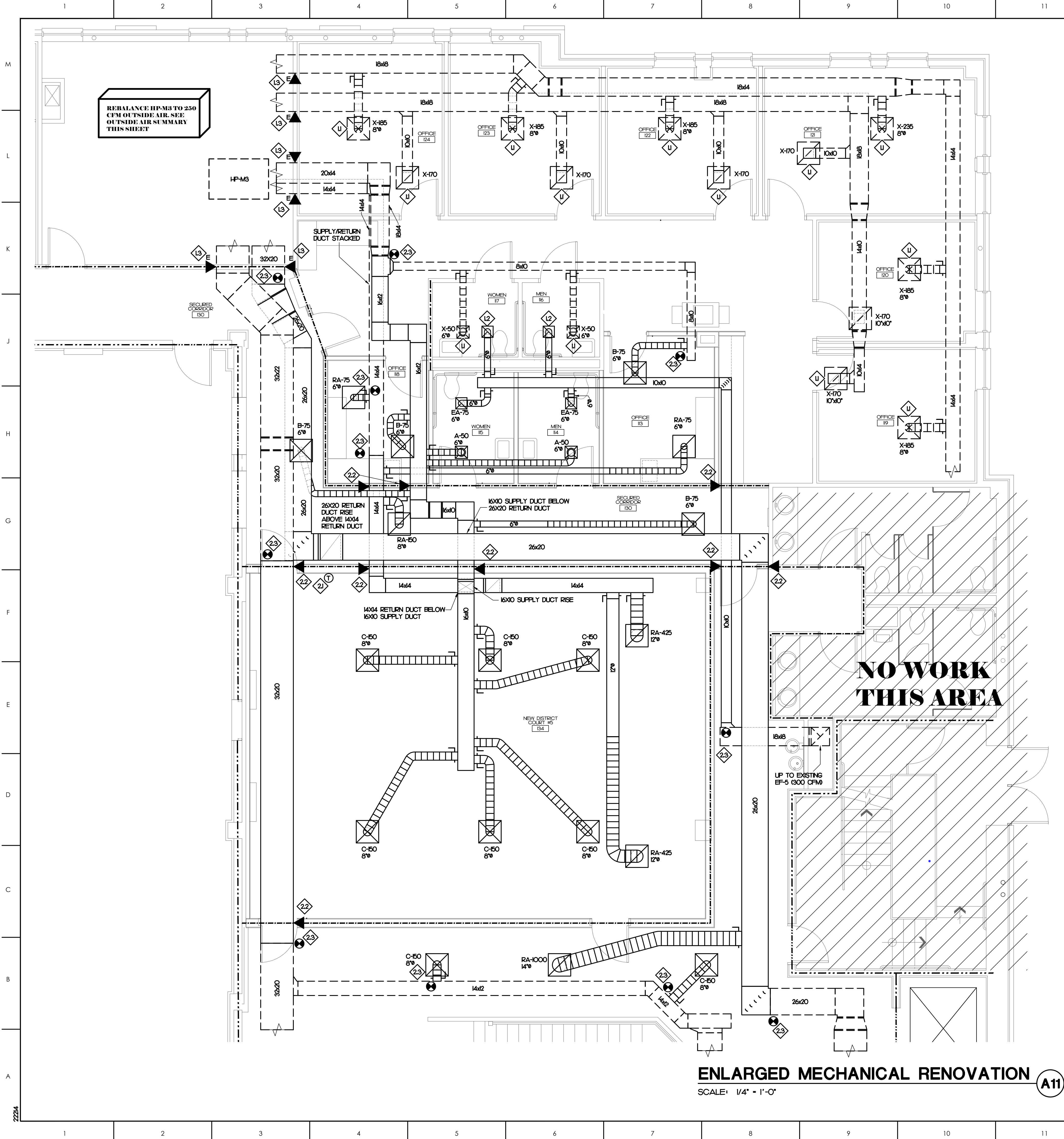
PITT COUNTY
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PHASE I
GREENVILLE, NC

DRAWING TITLE
MECHANICAL
RENOVATION
PLAN

SCALE AS NOTED	DRAWING NO.
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DATE 03-06-2023	
PROJECT NO. 2022-19	

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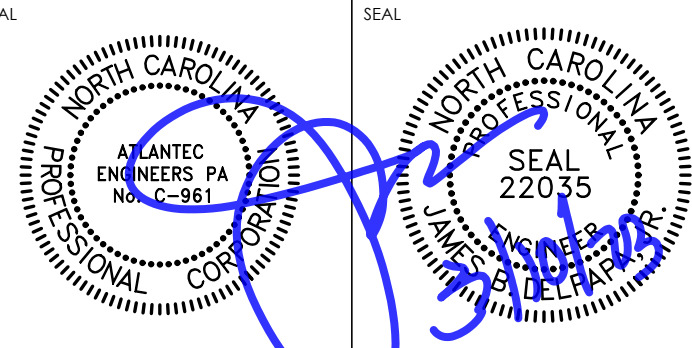
MECHANICAL KEY NOTES

- 11 EXISTING DIFFUSER/GRILLE AND ASSOCIATED AIR DISTRIBUTION TO REMAIN.
- 12 EXISTING EXHAUST GRILLE TO REMAIN. CONNECT TO NEW EXHAUST DUCT AS SHOWN.
- 13 EXISTING FIRE DAMPER TO REMAIN.
- 21 NEW THERMOSTAT. MAKE CONNECTION TO EXISTING WIRING/CONTROLS AS REQUIRED.
- 22 NEW FIRE DAMPER IN NEW DUCT.
- 23 CONNECT TO EXISTING DUCT AS REQUIRED. FIELD VERIFY DUCT SIZE.

OUTSIDE AIR SUMMARY

REQUIRED:
OFFICE: 190 SQFT • 0.06 CFM/SQFT • 2 PER • 5 CFM/PER • 22 CFM
CORRIDOR: 365 SQFT • 0.06 CFM/SQFT • 22 CFM
COURTROOM: 1045 SQFT • 0.06 CFM/SQFT • 25 PER • 5 CFM/PER • 188 CFM
TOTAL REQUIRED = 232 CFM
PROVIDED:
HP-M3: 250 CFM
TOTAL PROVIDED = 250 CFM

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KEY PLAN

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PITT COUNTY COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

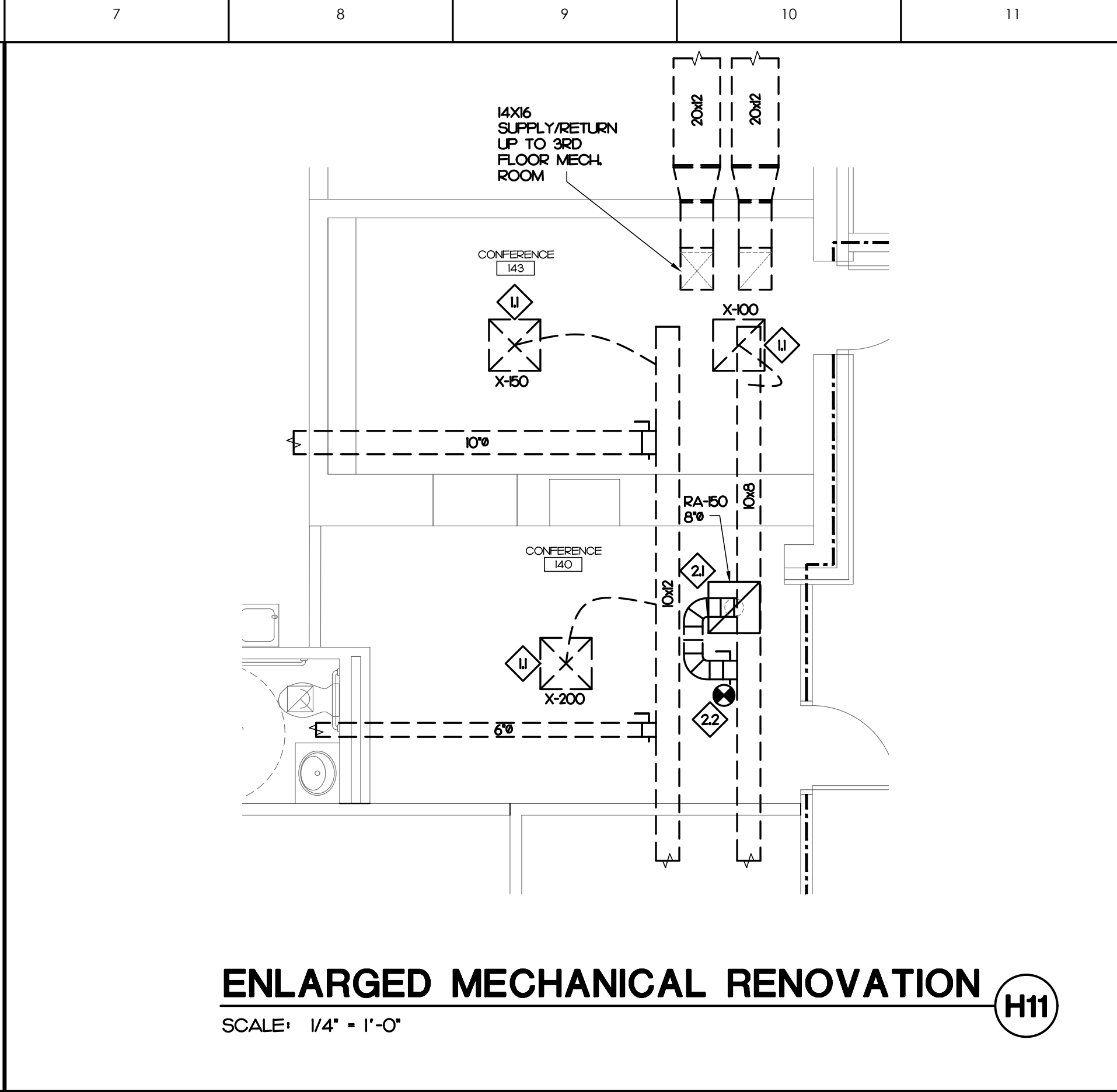
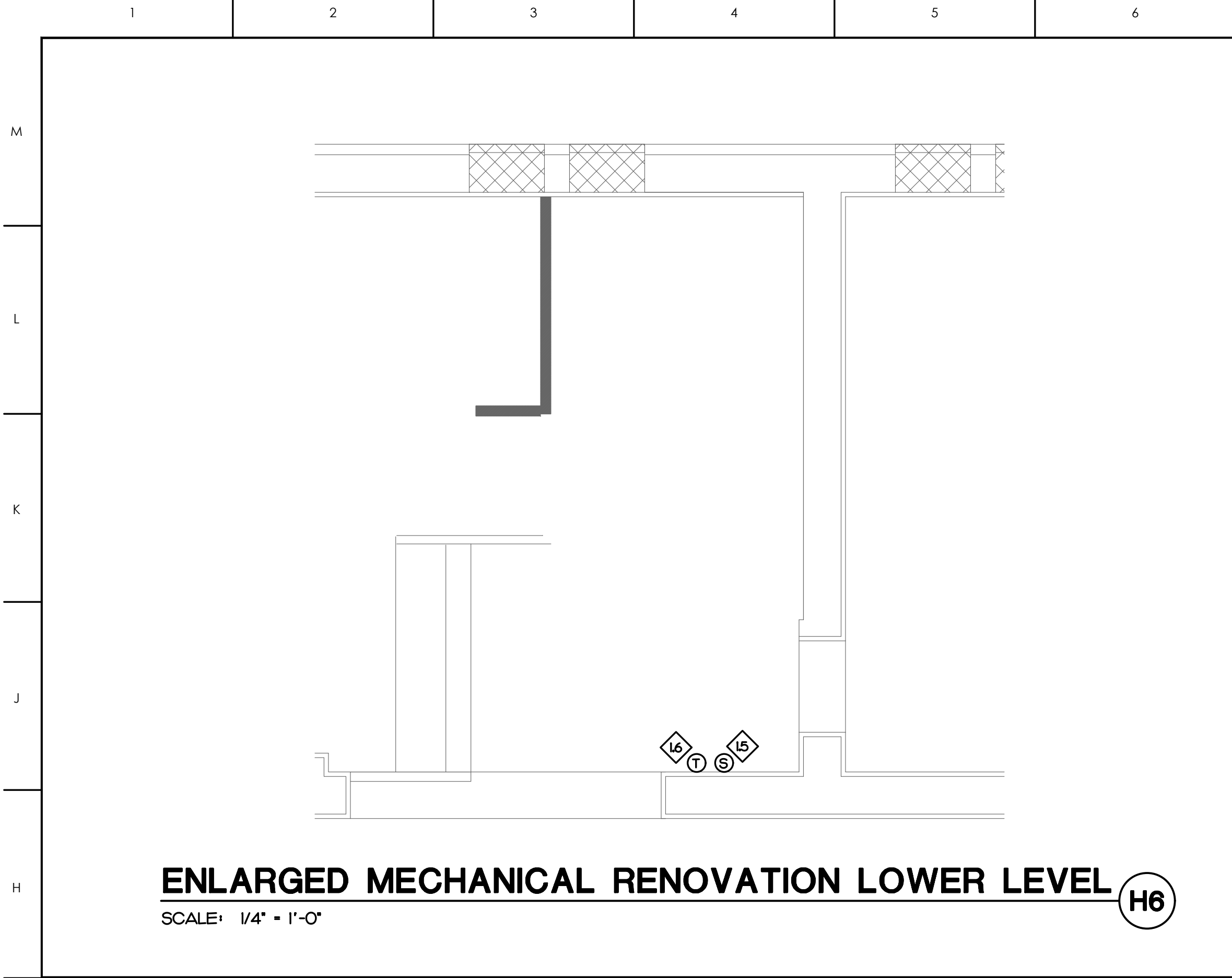
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2022-19

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M1.2

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MECHANICAL KEY NOTES

- 14 EXISTING DIFFUSER IN NEW CEILING. SHORTEN/LENGTHEN FLEX DUCT AS REQUIRED. REBALANCE AS SHOWN.
- 15 EXISTING DIFFUSER/GRILLE AND ASSOCIATED AIR DISTRIBUTION TO REMAIN.
- 16 EXISTING EXHAUST GRILLE TO REMAIN.
- 14 EXISTING HUMIDISTAT TO REMAIN.
- 15 RELOCATED TEMPERATURE SENSOR. RECONNECT TO EXISTING WIRING/CONTROLS AS REQUIRED.
- 16 RELOCATED THERMOSTAT. RECONNECT TO EXISTING WIRING/CONTROLS AS REQUIRED.
- 21 NEW DIFFUSER/GRILLE IN NEW CEILING. BALANCE AS SHOWN.
- 22 CONNECT TO EXISTING DUCT AS REQUIRED. FIELD VERIFY DUCT SIZE.

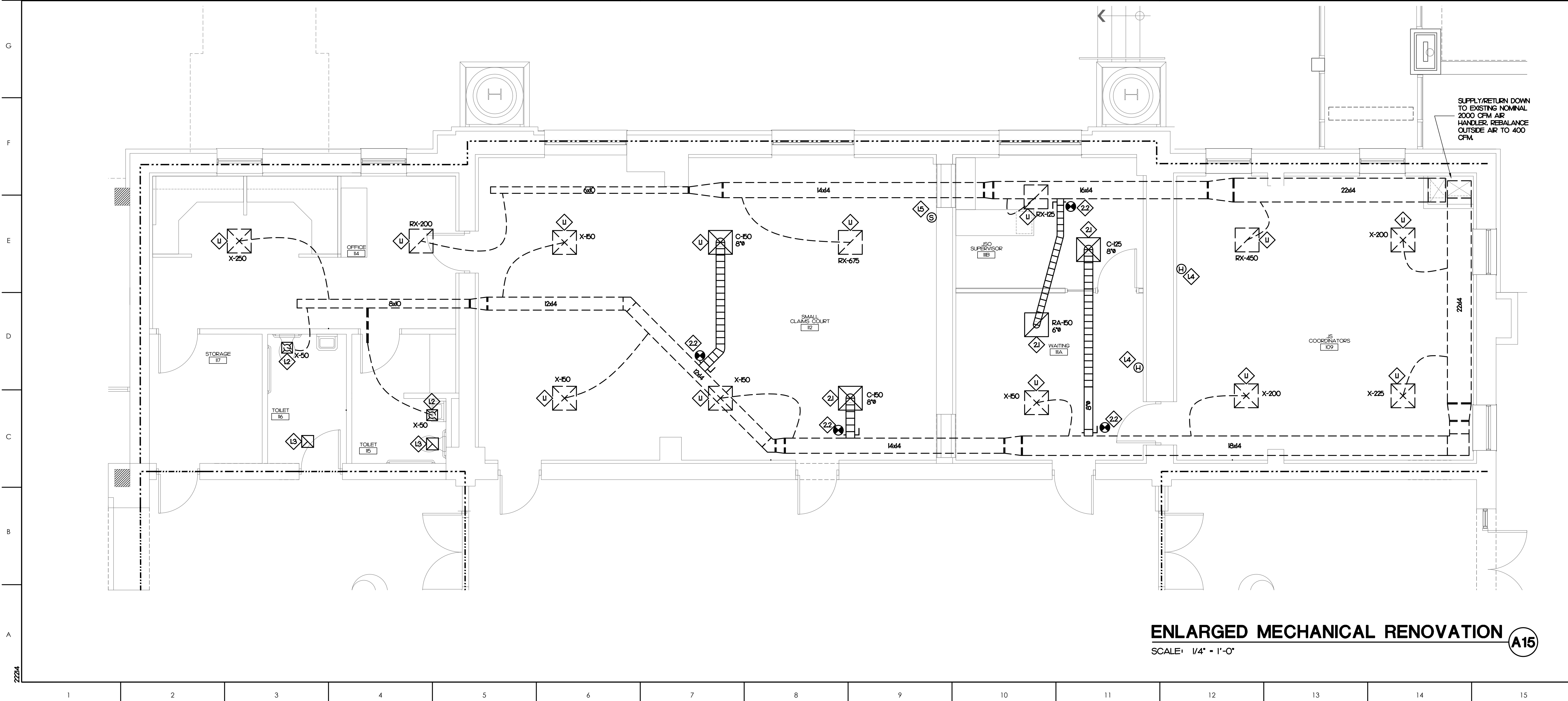
OUTSIDE AIR SUMMARY

REQUIRED:

OFFICE: 132 SQFT • 0.06 CFM/SQFT • 14 PER • 5 CFM/PER • 138 CFM
COURTROOM: 830 SQFT • 0.06 CFM/SQFT • 35 PER • 5 CFM/PER • 225 CFM
TOTAL REQUIRED • 363 CFM

PROVIDED:

HP-15: 400 CFM
TOTAL PROVIDED • 400 CFM



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KEY PLAN

NO	REVISION	DATE

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PITT COUNTY COURTHOUSE RENOVATION PHASE I
GREENVILLE, NC

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CHECKED: JBD	
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PROJECT NO.: 2022-19	

M1.3

2224

2224

2294	A	B	C	D	E	F	G	H	J	K	L	M
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1

2

3

4

5

6

7

8

SYMBOL

DESCRIPTION

REMARKS

SYMBOL

DESCRIPTION

REMARKS

E

EXISTING: 2 X 4 LAY-IN FIXTURE TO REMAIN.

E

EXISTING: LINEAR STRIP FIXTURE TO REMAIN.

E

EXISTING: EXIT LIGHT TO REMAIN.

S

E

EXISTING: SINGLE POLE TOGGLE SWITCH TO REMAIN.
MOUNT 42" AFF. UNLESS NOTED OTHERWISE.

S

E

M

EXISTING: MOTION SENSOR WALL SWITCH TO REMAIN.
MOUNT 42" AFF. UNLESS NOTED OTHERWISE.

M

E

EXISTING: CEILING MOUNTED MOTION SENSOR TO REMAIN.

M

R

L

RELOCATED: CEILING MOUNTED MOTION SENSOR.
SEE NOTE ON PLAN.

E

⌚

EXISTING: DUPLEX RECEPTACLE TO REMAIN.
MOUNT 16" AFF. UNLESS OTHERWISE NOTED.

E

⌚

EXISTING: QUAD RECEPTACLE TO REMAIN.
MOUNT 16" AFF. UNLESS OTHERWISE NOTED.

⌚

2 X 2 LAY-IN FIXTURE - LETTER DESIGNATES TYPE

⌚

+

LINEAR WALL MOUNT FIXTURE - LETTER DESIGNATES TYPE

⊕

RECESSED CAN LIGHT FIXTURE - LETTER DESIGNATES TYPE

⊗

⌚

EXIT LIGHT - CONNECT UNSWITCHED

⬛

LIGHT FIXTURE ON UNSWITCHED CIRCUIT FOR NIGHT LIGHT.
THE SHADE DESIGNATED THE NIGHT LIGHT.

S

SINGLE POLE TOGGLE SWITCH
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.

S₃

THREE WAY TOGGLE SWITCH
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.

S₄

FOUR WAY TOGGLE SWITCH
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.

S_M

WALL MOUNTED OCCUPANCY SENSOR SWITCH. PASSIVE INFRARED
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.
800W/120VAC OR 1200W/277VAC

S_{M2}

WALL MOUNTED OCCUPANCY SENSOR SWITCH. DUAL TECHNOLOGIES.
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.
800W/120VAC OR 1200W/277VAC

S_{MO}

WALL MOUNTED 0-10V DIMMING SWITCH WITH OCCUPANCY SENSOR.
DUAL TECHNOLOGIES. 1200W/120VAC OR 1200W/277VAC
MOUNT 42" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.
PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.

M2

CEILING MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGIES.
800W/120VAC OR 1200W/277VAC, 28 FT. RADIIUS

M3

CEILING MOUNTED OCCUPANCY SENSOR. PASSIVE INFRARED
LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED.
28 FT. RADIIUS

M4

CEILING MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGIES.
LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED.
28 FT. RADIIUS

MP

POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR.
120/277VAC, 20A 1 POLE CONTACTOR.

⌚

SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE.
MOUNT 16" AFF. UNLESS OTHERWISE NOTED. SEE NOTE #4.

GFI

⌚

SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE
MOUNT 16" AFF. UNLESS NOTED OTHERWISE. SEE NOTE #4.

⌚

SPECIFICATION GRADE QUAD TAMPER RESISTANT RECEPTACLE
MOUNT 16" AFF. UNLESS OTHERWISE NOTED. SEE NOTE #4.

⌚

D(=)

6" ROUND FIRE-RATED POKE-THROUGH FLOOR BOX WITH FLAP COVER.
QUAD TAMPER RESISTANT RECEPTACLE
(1 GANG FOR COMMUNICATION OUTLET)
PROVIDE COVER TO MATCH FLOOR TYPE PER ARCHITECT INSTRUCTION.
CORE DRILL AS REQUIRED.
D(=) INDICATES NUMBER OF NEW RJ45 JACKS, EACH WITH CAT 6E CABLE HOME
RUN TO PATCH PANEL AT EXISTING DATA RACK NOTED. SEE DETAIL A8/E3J

1 HOUR WALL

1 HOUR WALL

2 HOUR WALL

2 HOUR WALL

A.F.C.

ABOVE FINISHED CEILING

A.F.F.

ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS
GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX

B.F.F.

BELOW FINISHED FLOOR

EXISTING

EXISTING

EXISTING

EXISTING: 2 X 2 LAY-IN FIXTURE TO BE REMOVED OR REPLACED.
SEE NOTE ON PLAN.

EXISTING

EXISTING: 1 X 4 LAY-IN FIXTURE TO BE REMOVED.

EXISTING

EXISTING: RECESSED CAN LIGHT FIXTURE TO BE REMOVED.

EXISTING

EXISTING: LINEAR STRIP FIXTURE TO BE REMOVED.

EXISTING

EXISTING: EXIT LIGHT TO BE REMOVED.

EXISTING

EXISTING: WALL SWITCH TO BE REMOVED

EXISTING

EXISTING: CEILING MOUNTED MOTION SENSOR TO BE REMOVED OR RELOCATED.
SEE NOTE ON PLAN.

EXISTING

EXISTING: DUPLEX RECEPTACLE TO BE REMOVED

EXISTING

EXISTING: QUAD RECEPTACLE TO BE REMOVED

EXISTING

EXISTING: COMMUNICATION OUTLET TO BE REMOVED

EXISTING

EXISTING: EQUIPMENT CONNECTION TO BE REMOVED.

EXISTING

EXISTING: CEILING MOUNTED PA SPEAKER TO BE REMOVED.

EXISTING

EXISTING: WALL MOUNTED SECURITY MOTION SENSOR TO BE REMOVED.

EXISTING

JUNCTION BOX SIZED PER NEC.

EXISTING

EXISTING: DISCONNECT TO REMAIN. SHOWN FOR REFERENCE.

PER N.E.C.

NEW CONCEALED WIRING

PER N.E.C.

LOW VOLTAGE WIRING FOR OCCUPANCY SWITCH AND POWER PACK.

PER N.E.C.

UNSWITCHED LIGHTING CONDUCTOR

PER N.E.C.

HOME RUN TO PANEL BOARD.
NUMBERS OF ARROW INDICATE CIRCUITS

EXISTING

EXISTING: 120/208V 3Ø, 4W PANEL BOARD.

EXISTING

EXISTING: 277/480V 3Ø, 4W PANEL BOARD

EXISTING

EXISTING: DRY TYPE DISTRIBUTION TRANSFORMER.

EXISTING

EXISTING: COMMUNICATION OUTLET TO REMAIN.
MOUNT BOTTOM 16" AFF. UNLESS OTHERWISE NOTED.
D(=) INDICATES NUMBER OF NEW RJ45 JACKS, EACH WITH CAT 6E CABLE HOME
RUN TO PATCH PANEL AT EXISTING DATA RACK NOTED. SEE DETAIL A8/E3J

EXISTING

COMMUNICATION OUTLET
MOUNT BOTTOM 16" AFF. UNLESS OTHERWISE NOTED. SEE NOTE #4.
STUB 1" CONDUIT TO ACCESSIBLE CEILING SPACE
D(=) INDICATES NUMBER OF NEW RJ45 JACKS, EACH WITH CAT 6E CABLE HOME
RUN TO PATCH PANEL AT EXISTING DATA RACK NOTED. SEE DETAIL A8/E3J

EXISTING

SINGLE GANG BOX
RJ45 JACK(S) WITH
STAINLESS PLATE.

EXISTING

WIFI ACCESS POINT AT CEILING PANEL.
PROVIDE 2 - RJ45 BISQUIT JACKS, EACH WITH CAT 6E CABLE HOME RUN TO
PATCH PANEL AT EXISTING DATA RACK NOTED. SEE DETAIL A8/E3J
WIFI ACCESS POINT BY OWNER.
FIELD VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO TERMINATE CABLES.

EXISTING

DROP 2 - RJ45
BISQUIT JACKS

NOTE:

1. MANUFACTURERS AND PART NUMBERS SHOWN IN LEGEND ARE FOR
GUIDELINE. EQUIVALENT PRODUCTS ARE ACCEPTABLE.

- SEE SPECIFICATIONS.
- WIRING DEVICES EQUIVALENT PRODUCTS:
 - PASS E SEYMOUR
 - LEVITON

2.

*** DEVICE COLOR PER ARCHITECT INSTRUCTION.

3.

LINE VOLTAGE OCCUPANCY SWITCHES AND LOW VOLTAGE OCCUPANCY
CONTROL SHOWN ON THIS PLAN ARE FOR GUIDELINE.

- EQUAL PRODUCTS:
 - LUTRON
 - WATTSSTOPPER
 - SIGNIFY
 - LEVITON
 - HUBBELL
 - EATON

4.

COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
SEE ARCHITECTURAL DETAIL J10 IN SHEET A&J.

	9		10		11		12
GENERAL NOTES							
1. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS. 2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT, PRIOR TO THE INSTALLATION OF HIS EQUIPMENT SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMUM MAINTENANCE AND WORKING SPACE. 3. USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT. 4. ALL BREAKER SIZES, SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR. 5. ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70). 6. EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. 7. THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT, PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CASEWORK, AND MILLWORK TO BE FURNISHED. 8. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES, AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS TO AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS. 9. PENETRATION: • WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILINGS, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS. • WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER, SUBMIT DETAIL OF PROPOSED SEALING METHODS. 10. ALL PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID BY THE ELECTRICAL CONTRACTOR. 11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. 12. THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANEL BOARDS. 13. AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT. 14. THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER TRIM WILL BE PROVIDED FOR ALL FIXTURES, ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR. 15. ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIN/THIN WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. <u>ONLY THINW-2 WIRE SHALL BE INSTALLED IN WET AND EXTERIOR LOCATION.</u> 16. MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 AWG. 17. <u>ARMORED CABLE (TYPE AC) AND METAL-CLAD CABLE (TYPE MC) ARE NOT ALLOWED IN THIS PROJECT.</u> 18. THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). FEEDING CIRCUITS WITH SHARED NEUTRAL SHALL BE SWITCHED TOGETHER. 19. WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24". 20. ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS. 21. ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED. 22. BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL, WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION. 23. FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A17.1 SECTION 308. E.C. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO ROUGH-IN. 24. ELECTRICAL IDENTIFICATION • FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION. • FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS. 25. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE ELECTRICAL DEMOLITION NOTED OR IMPLIED ON THESE PLANS. 26. ALL ABANDONED AND UNUSED CABLES IN HOLLOW SPACES, VERTICAL SHAFTS, AND VENTILATION OR AIR-HANDLING DUCTS SHALL BE REMOVED PER NEC 725.25, 760.25, 770.25, 800.25, 820.25 AND 830.25. 27. PRIOR TO CONNECTING ANY NEW RECEPTACLES TO EXISTING CIRCUITS, THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THAT NO MORE THAN 10 RECEPTACLES ARE CONNECTED TO A 20 AMP CIRCUIT. AFTER RECONNECTING ALL NEW AND RELOCATED LIGHT FIXTURES THE ELECTRICAL CONTRACTOR SHALL MEASURE THE CONNECTED LOAD FOR EACH LIGHTING CIRCUIT TO INSURE THAT NO MORE THAN 16 AMPS IS CONNECTED TO A 20 AMP CIRCUIT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF EITHER OF THE ABOVE CONDITIONS CAN NOT BE ACHIEVED. 28. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CIRCUIT CONTINUITY TO ALL LIGHTING, DEVICES AND EQUIPMENT NOT SUBJECT TO REMOVAL. PROVIDE ADDITIONAL CONDUIT AND WIRING AS REQUIRED. 29. RELOCATE AS NECESSARY ALL EXISTING CIRCUITS FOUND PASSING THROUGH THE AREA OF CONSTRUCTION, AND WHICH ARE PRESENTLY IN USE IN OTHER PARTS OF THE BUILDING UNAFFECTED BY THIS PROJECT PHASE, TO MAINTAIN THE CONTINUITY OF SERVICE AND GROUNDING, AND TO CONCEAL THEM ABOVE NEW CEILINGS. 30. WHERE EXISTING EQUIPMENT AND DEVICES SHALL BE REMOVED, THE CONTRACTOR SHALL REMOVE ALL THE ASSOCIATED CONDUIT AND CONDUCTORS THAT SHALL NOT REMAIN IN OPERATION BACK TO THEIR RESPECTIVE SOURCE OR TO THE POINT ON A SHARED CIRCUIT FROM WHERE THE EQUIPMENT OR DEVICE IS SERVED.							
	9		10		11		12

	13	14	15
--	----	----	----

ELECTRICAL SYSTEM AND EQUIPMENT
METHOD OF COMPLIANCE: PRESCRIPTIVE

LIGHTING SCHEDULE:

FLUORESCENT T8/T5	LED	CFL	INCAN
N/A	SEE	N/A	N/A
N/A	FIXTURE	N/A	N/A
N/A	SCHEDULE	N/A	N/A
N/A		N/A	N/A

	SPECIFIED	ALLOWED BY CODE
INTERIOR WATTAGE		
OFFICE BUILDING	336	3852 **

NOTES:

1.

** PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 10% LOWER THAN THOSE CALCULATED PER SECTION C405.4.2.
• VALUE CALCULATE PER SECTION C405.4.2: 4290 WATTS
• VALUE PER SECTION C406.3: 3852 WATTS

2.

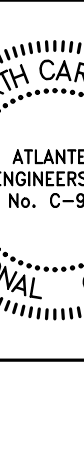
ALL EXTERIOR LIGHTS: NOT APPLICABLE TO THIS PROJECT.

DESIGNER STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.

SIGNED:

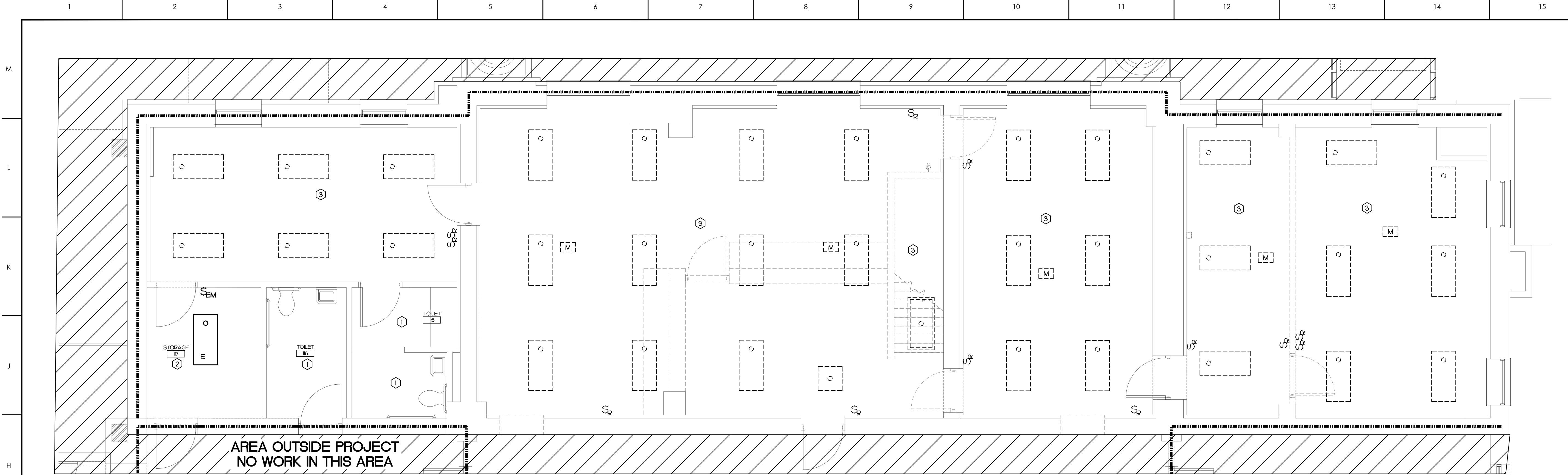
NAME: SUJIN PRAMOJANEET, P.E.
TITLE: ENGINEER

	13	14	15
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ATLANTEC ENGINEERS, PA 22214 3221 BLUE RIDGE ROAD, SUITE I3 RALEIGH, NC 27612 PH: (919) 571-1111 1505 ST. JAMES PLACE KINSTON, NC 28504 (252) 527-3336		
SEAL 	SEAL  <i>[Signature]</i>	M L K J H G F E D C B A
KEY PLAN		
NO.	REVISION	DATE
J K F ARCHITECTURE 425 LYNDDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048 PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC		
DRAWING TITLE		
LEGEND NOTES		
SCALE	DRAWING NO.	
AS NOTED	E0.0	
DRAWN		
CHECKED SP		
DATE SP		
PROJECT NO.		
03-06-2023		
2022-19		

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KEY NOTES

- ① NO LIGHTING DEMOLITION WORK IN THIS AREA.
- ② IN THIS ROOM, EXISTING LIGHT FIXTURE AND SWITCH TO REMAIN. SEE DETAIL G5/E22 FOR NEW LIGHT SWITCH.
- ③ LIGHTING DEMOLITION WORK IN THIS AREA:
 - REMOVE ALL EXISTING LIGHT FIXTURES AND LIGHT SWITCH.
 - MAINTAIN EXISTING LIGHT CIRCUITS AND LIFE SAFETY LIGHT CIRCUIT IN THIS AREA.

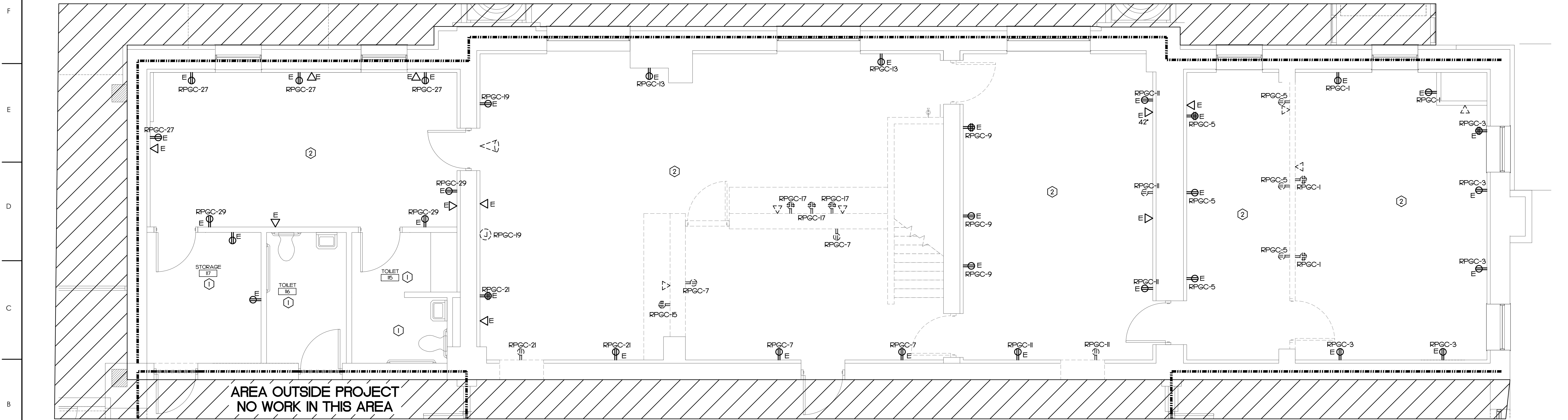
NOTES:

- 1. E.C. SHALL FIELD VERIFY WITH ARCHITECT PRIOR TO REMOVE ANY LIGHT FIXTURES AND SWITCHES.

ENLARGED LIGHTING DEMOLITION PLAN

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

G15



KEY NOTES

- ① NO DEMOLITION WORK IN THIS AREA.
- ② DEMOLITION WORK IN THIS AREA:
 - REMOVE ALL EXISTING RECEPTACLES AND COMMUNICATION OUTLETS ON WALL TO BE REMOVED.
 - REMOVE ALL COMMUNICATION AND SECURITY EQUIPMENT AT CEILING PER ARCHITECT INSTRUCTION.
 - AT WALL REMAIN, REMOVE ONLY RECEPTACLE AND COMMUNICATION OUTLET SHOWN WITH LEGEND TO BE DEMOLISHED.
 - MAINTAIN EXISTING RECEPTACLE CIRCUIT FOR NEW RECEPTACLE CIRCUIT CONNECTION.

NOTES:

- 1. E.C. SHALL FIELD VERIFY WITH ARCHITECT PRIOR TO REMOVE ANY RECEPTACLES, COMMUNICATION OUTLETS AND SECURITY EQUIPMENT.
- 2. CIRCUITS SHOWN ON PLAN IS PER EXISTING PLAN AND SURVEY. FIELD VERIFY CIRCUIT AT SITE.
- 3. EXISTING COMMUNICATION RACK FOR ALL COMMUNICATION OUTLETS IN THIS AREA IS LOCATED IN COMMUNICATION ROOM AT FIRST FLOOR PER KEY NOTE #2 IN A6/E11.

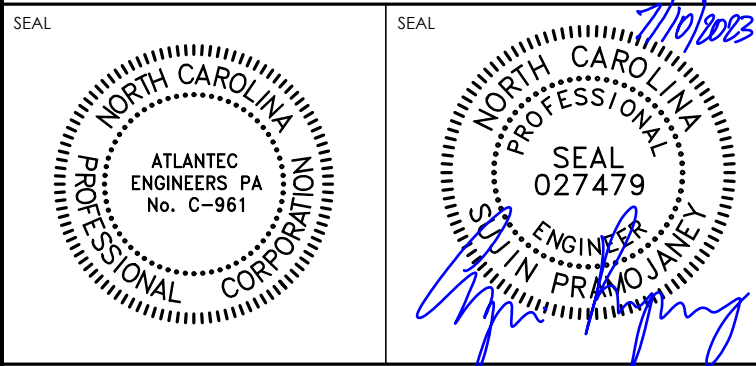
ENLARGED POWER DEMOLITION PLAN

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

A15

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KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

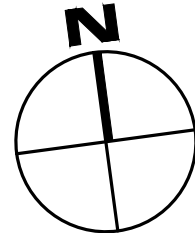
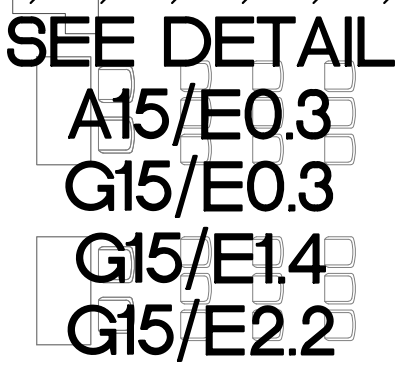
PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
ENLARGED
POWER AND LIGHTING
DEMOLITION PLAN

SCALE	AS NOTED
DRAWN	SP
CHECKED	SP
DATE	03-06-2023
PROJECT NO.	2022-19

E0.3

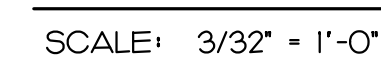
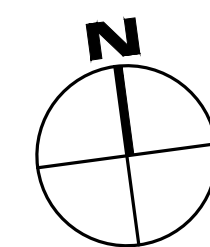
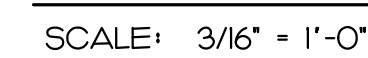
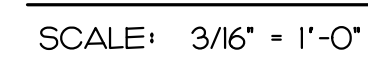
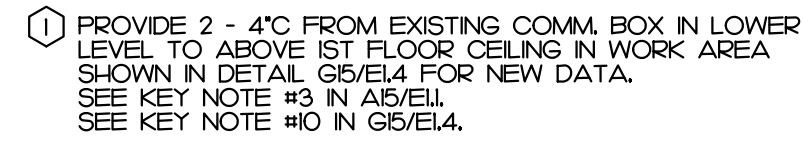
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(H15)

(A15)

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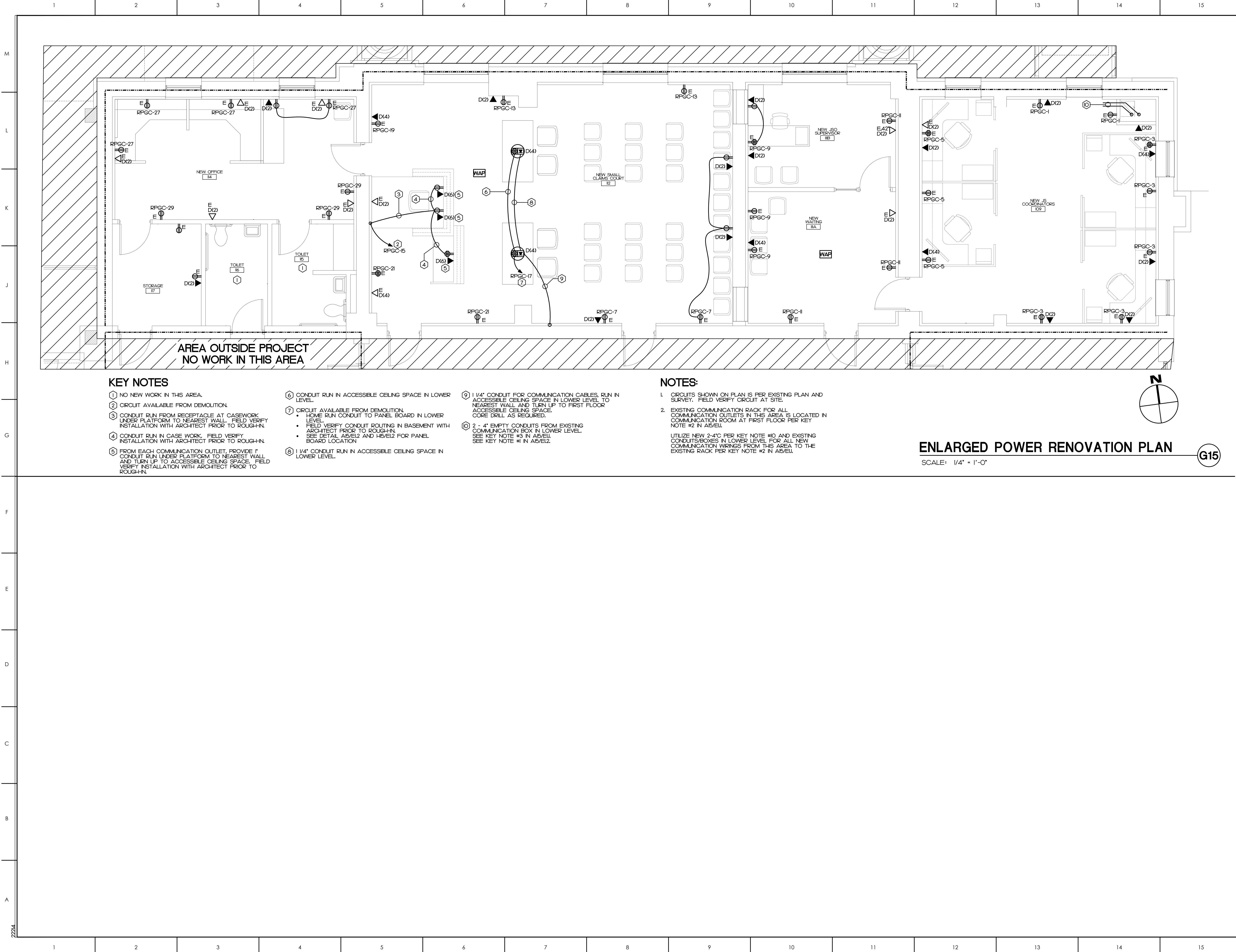
Professional Engineer Seal for North Carolina, License No. 027479. The seal is circular with the text "NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027479" and "S. PRAMOJANEY" around the perimeter. It is signed with a blue ink signature and dated 7/10/2023 in the top right corner.

E1.2

2022 10

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NORTH CAROLINA
PROFESSIONAL ENGINEER
ATLANTEC ENGINEERS, PA
No. C-961

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL 027479
J. K. F.

KEY PLAN

NO	REVISION	DATE

J K F

ARCHITECTURE

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PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
ENLARGED
POWER RENOVATION PLAN

SCALE	DRAWING NO
AS NOTED	
DRAWN SP	
CHECKED SP	
DATE 03-06-2023	
PROJECT NO. 2022-19	

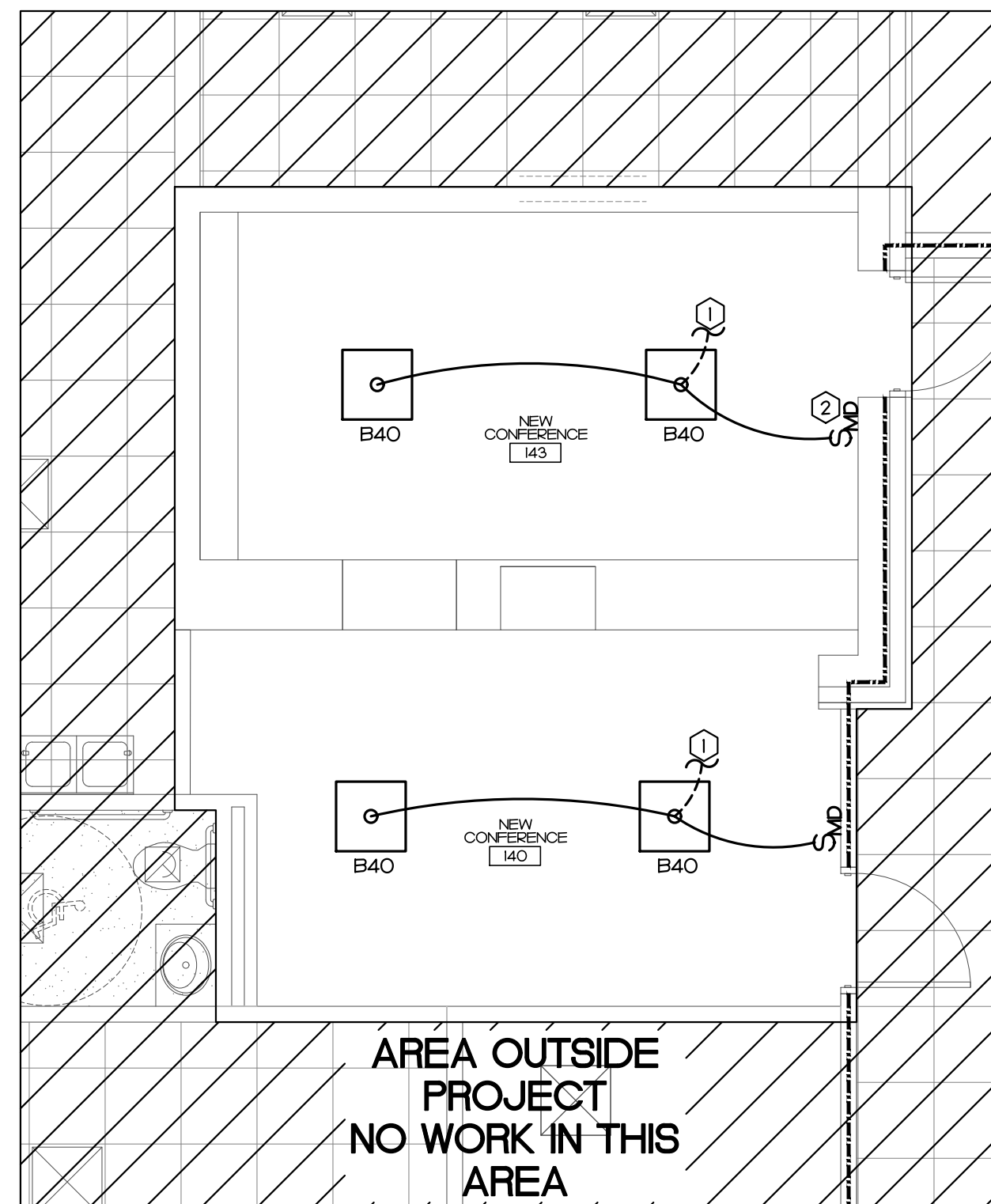
E1.4

2224

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2224

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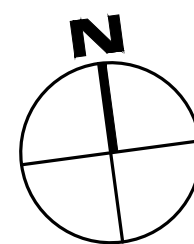


KEY NOTES

- ① CONNECT TO EXISTING 277V LIGHT CIRCUIT IN THIS AREA. FIELD VERIFY CIRCUIT.
- ② CONCRETE WALL WITH NO FURRED SPACE. PROVIDE SURFACE INSTALLATION PER ARCHITECT INSTRUCTION.

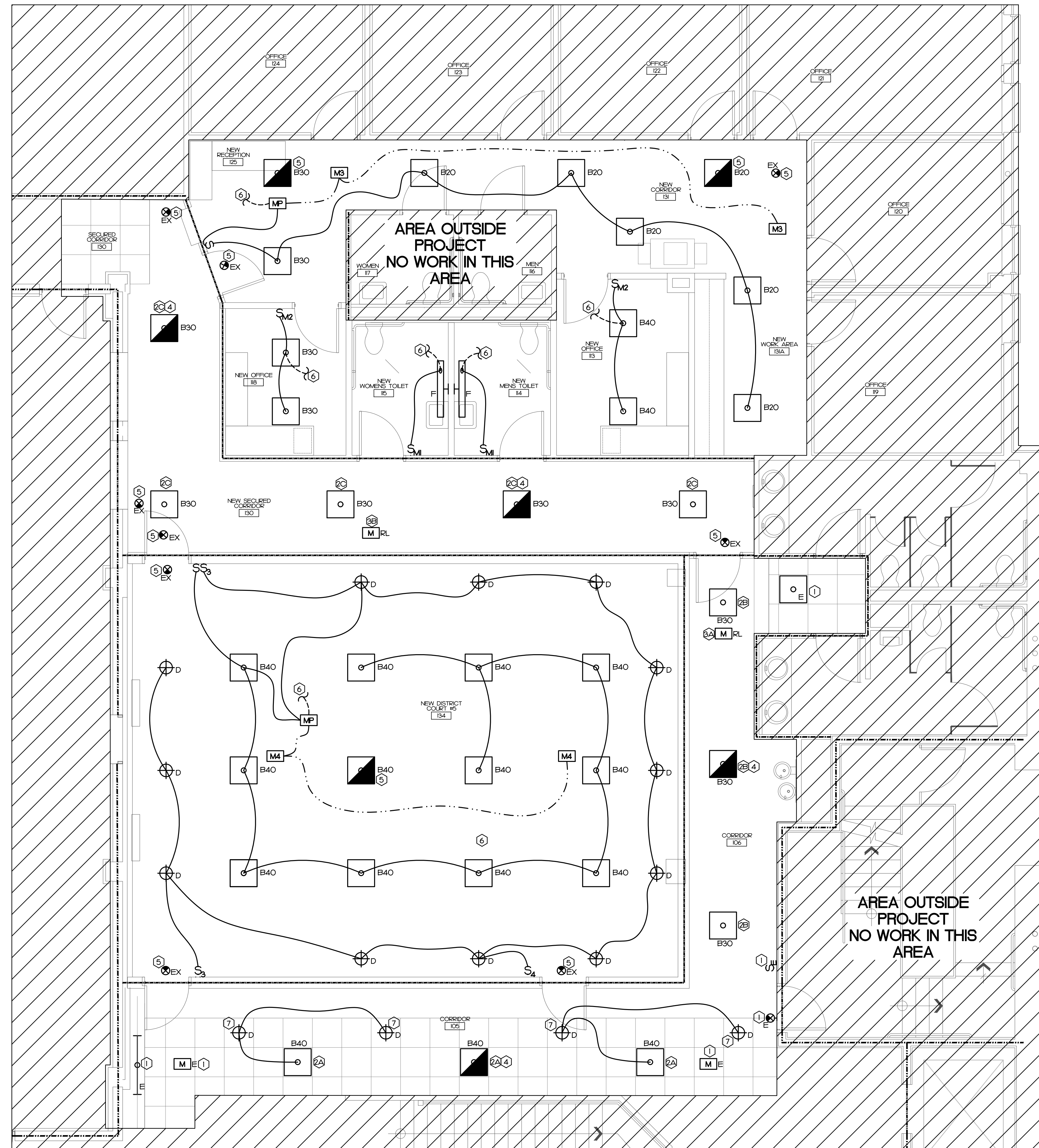
NOTES:

- I. BUILDING IS WITH LIFE SAFETY GENERATOR. ALL EGRESS LIGHT SHALL BE POWERED VIA 277V LIFE SAFETY CIRCUIT. E.C. FIELD VERIFY CIRCUIT IN PROJECT ARES.



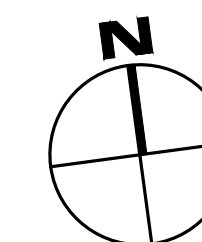
ENLARGE LIGHTING RENOVATION PLAN

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



NOTES:

- L. BUILDING IS WITH LIFE SAFETY GENERATOR. ALL EGRESS LIGHT SHALL BE POWERED VIA 277V LIFE SAFETY CIRCUIT. E.C. FIELD VERIFY CIRCUIT IN PROJECT ARES.



ENLARGE LIGHTING RENOVATION PLAN

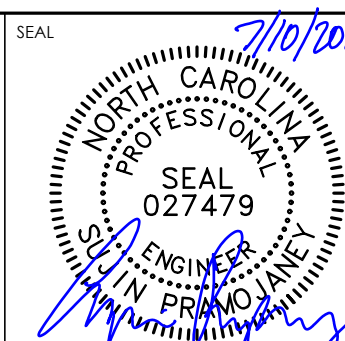
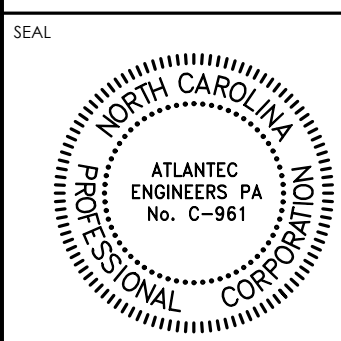
SCALE: 1/4" = 1'-0"

A15

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KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

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PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

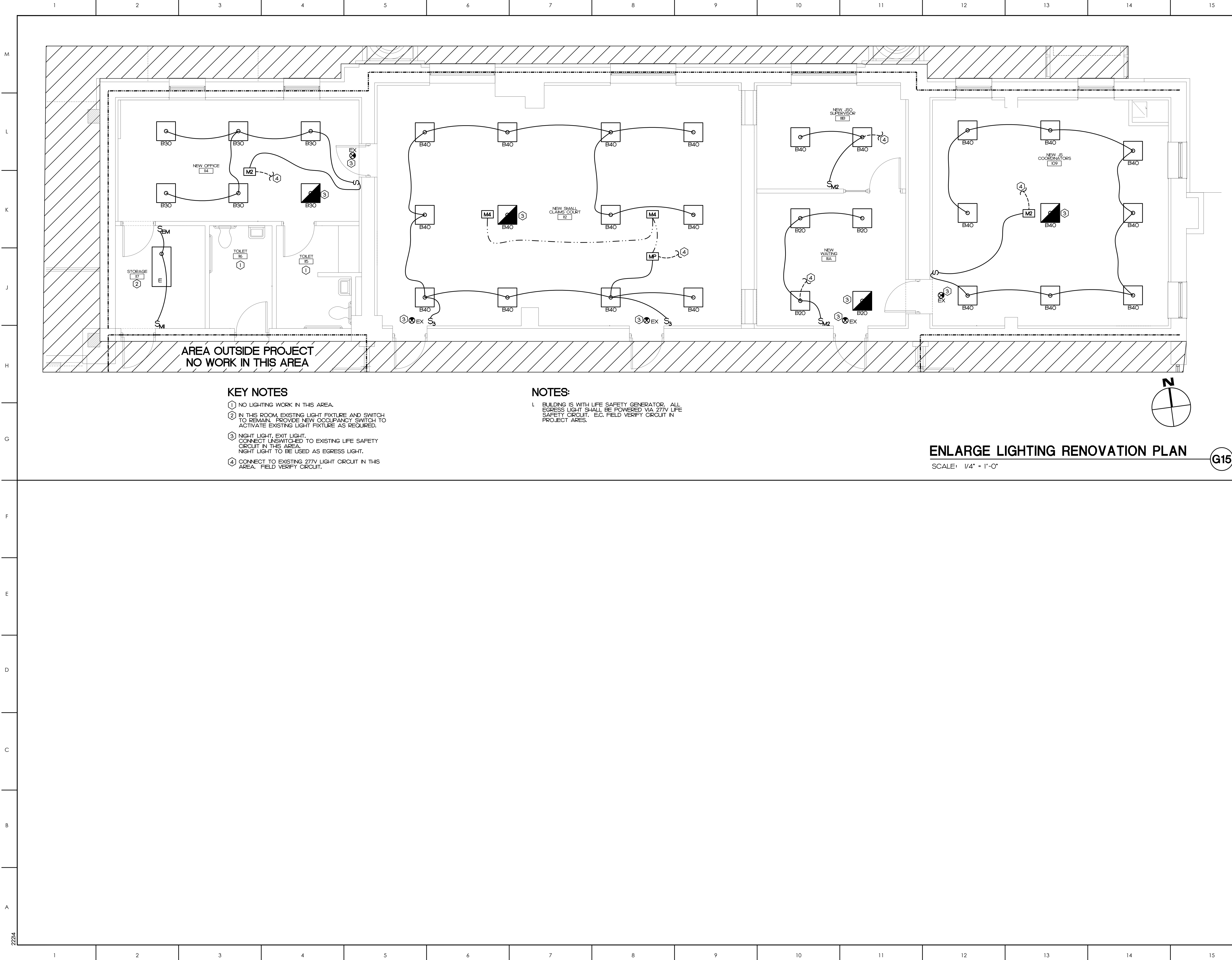
DRAWING TITLE

ENLARGED
LIGHTING
RENOVATION PLAN

SCALE	AS NOTED
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CHECKED	SP
DATE	03-06-2023
PROJECT NO.	2022-19

E2.1

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KEY NOTES

- ① NO LIGHTING WORK IN THIS AREA.
- ② IN THIS ROOM, EXISTING LIGHT FIXTURE AND SWITCH TO REMAIN. PROVIDE NEW OCCUPANCY SWITCH TO ACTIVATE EXISTING LIGHT FIXTURE AS REQUIRED.
- ③ NIGHT LIGHT, EXIT LIGHT, CONNECT UNSWITCHED TO EXISTING LIFE SAFETY CIRCUIT IN THIS AREA. NIGHT LIGHT TO BE USED AS EGRESS LIGHT.
- ④ CONNECT TO EXISTING 277V LIGHT CIRCUIT IN THIS AREA. FIELD VERIFY CIRCUIT.

NOTES:

- I. BUILDING IS WITH LIFE SAFETY GENERATOR. ALL EGRESS LIGHT SHALL BE POWERED VIA 277V LIFE SAFETY CIRCUIT. E.G. FIELD VERIFY CIRCUIT IN PROJECT AREAS.

ENLARGE LIGHTING RENOVATION PLAN

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

G15

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PROFESSIONAL CORPORATION

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027479
ENGINEER
JOHN K. FARKAS, AIA
7/10/2023

KEY PLAN

NO	REVISION	DATE

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PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
ENLARGED
LIGHTING
RENOVATION PLAN

SCALE AS NOTED	DRAWING NO.
DRAWN SP	E2.2
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DATE 03-06-2023	
PROJECT NO. 2022-19	

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M
L
K
J
H
G
F
E
D
C
B
A

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
B20	2x2 LED DIRECT/INDIRECT FIXTURE RECESSED MOUNTED PERFORATED DIRECT LIGHT SHIELD 2000 LUMEN	LITHONIA® 2AVL2-20LSE-MDR-GZIO-LP840 COLUMBIA LIGHTING® ORACLE LIGHTING® EQUAL	2000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 22 WATTS - 25 VA, 120-277V	
B30	2x2 LED DIRECT/INDIRECT FIXTURE RECESSED MOUNTED PERFORATED DIRECT LIGHT SHIELD 3000 LUMEN	LITHONIA® 2AVL2-30LSE-MDR-GZIO-LP840 COLUMBIA LIGHTING® ORACLE LIGHTING® EQUAL	3000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 34 WATTS - 37 VA, 120-277V	
B40	2x2 LED DIRECT/INDIRECT FIXTURE RECESSED MOUNTED PERFORATED DIRECT LIGHT SHIELD 4000 LUMEN	LITHONIA® 2AVL2-40LSE-MDR-GZIO-LP840 COLUMBIA LIGHTING® ORACLE LIGHTING® EQUAL	4000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 48 WATTS - 53 VA, 120-277V	
D	6" LED CAN WITH DROP GLASS RING RECESSED MOUNTED, MEDIUM WIDE DISTRIBUTION (52) 2000 LUMEN	MAXILUME® H46-LED-2000L-DIMO-MMD-40K-90- H46-6509-SH-Z-SH-Z-FROST GOTHAM® EQUAL PRESCOLITE® EQUAL	2000 LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 20 WATTS - 23 VA, 120-277V	
F	4 FT. LED WALL MOUNTED FIXTURE, FLAT DIFFUSER LENS 2000 LUMEN UP / 2000 LUMEN DOWN	ORACLE LIGHTING® OLS-WDI-LED-4-S-D500L-U500L-IC -DIMO-MVOLT-40K-85-WH- PRUDENTIAL® EQUAL MERCURY® EQUAL	2000 LP/2000 DOWN LUMEN LED, 4000K 0-10V ELECTRONIC DIMMING DRIVER 36 WATTS - 40 VA, 120-277V	MOUNT TOP OF FIXTURE 8" AFF. SEE ARCHITECTURAL ELEVATION SHEET A41.
EX	EDGE-LIT EXIT LIGHT NO BATTERY BACKUP 1 SIDE RED LETTER	LITHONIA® EDG-1R MULE LIGHTING® EQUAL DUAL-LITE® EQUAL	LED FOR EXIT PANEL 25 WATTS - 3 VA, 120/277V	

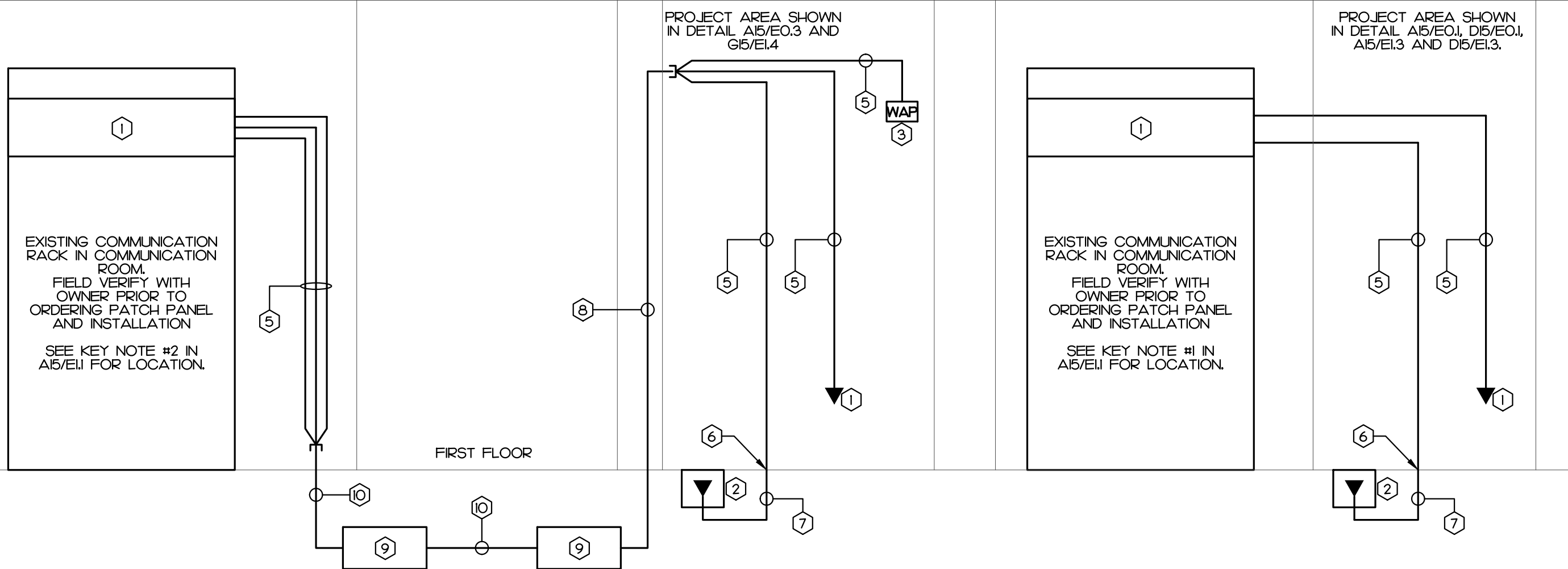
NOTES:

1. SEE ARCHITECTURAL PLAN FOR MOUNTING LOCATION AND HEIGHT. FIELD COORDINATE MOUNTING HEIGHT WITH ARCHITECT. IF NOT SHOWN ON ARCHITECTURAL PLAN.
2. E.C. SHALL SUBMIT CATALOG TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING. FINISH COLOR/TRIM SUBJECT TO BE CHANGED PER ARCHITECT.
3. FOR BID PURPOSES LED COLOR SHALL BE 4000K. FIELD VERIFY LED COLOR WITH ARCHITECT PRIOR TO ORDERING.
4. FOR ALL FIXTURES SHOWN IN THIS SCHEDULE, THE FIRST MANUFACTURE IN THE LIST IS SELECTED BY THE ARCHITECT. EQUIVALENT PRODUCT SHALL BE EQUAL TO THE FIRST MANUFACTURE, SUBJECT TO ARCHITECT APPROVAL.

FIXTURE SCHEDULE

SCALE: NO SCALE

F8



KEY NOTES

1. TYPICAL NEW AND EXISTING WALL COMMUNICATION OUTLET. SEE LEGEND.
2. TYPICAL COMMUNICATION FLOOR OUTLET. SEE LEGEND.
3. TYPICAL WIFI ACCESS POINT. SEE LEGEND.
4. PROVIDE CAT 6E RJ45 PORT PATCH PANEL AT AVAILABLE SPACE.
5. TYPICAL COMMUNICATION CABLES FROM OUTLET TO PATCH PANEL.
 - PROVIDE CAT 6E CABLES TO MATCH NUMBER OF RJ45 JACKS AT THE OUTLET. SEE LEGEND. FIELD VERIFY COLOR WITH THE OWNER PRIOR TO ORDERING.
6. CORE DRILL AS REQUIRED.
7. WIRING IN CONDUIT.
8. WIRING IN NEW 2"-4" C. SEE KEY NOTE #3 IN A15/E1. SEE KEY NOTE #1 IN A15/E2. SEE KEY NOTE #10 IN G15/E4.
9. EXISTING COMMUNICATION PULL BOX. SEE A15/E1 AND A15/E2.
10. EXISTING COMMUNICATION CONDUITS. SEE A15/E1 AND A15/E2.

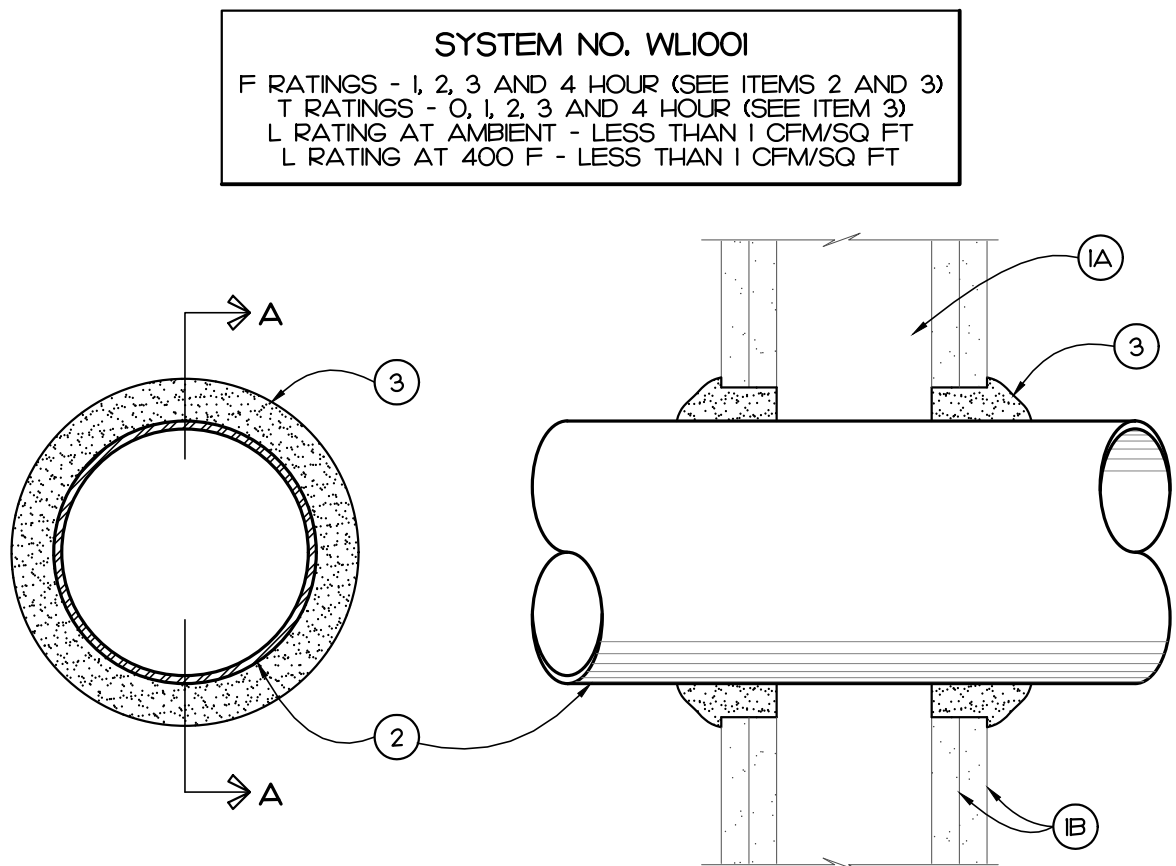
NOTES

1. CAT 6E CABLES SHALL BE PLENUM RATED CABLE.
2. ALL CABLES MAY RUN EXPOSED IN ACCESSIBLE CEILING SPACE. SUPPORT BY J-HOOK.
3. ALL CABLES IN WALL, FURRED SPACE AND AREA WITH NO CEILING SHALL BE IN CONDUIT. MIN. CONDUIT SIZE SHALL BE 1".
4. PROVIDE J-HOOK TO SUPPORT EXPOSED WIRING IN ACCESSIBLE CEILING SPACE • 24" MAX. O.C.

COMM. RISER DIAGRAM

SCALE: NO SCALE

A8



SECTION A - A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAXIMUM 2 HOUR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16" ON CENTER WITH NOMINAL 2" x 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MINIMUM 3/8" WIDE x 1 3/8" DEEP. CHANNELS SPACED MAXIMUM 24" ON CENTER.
 - B. GYPSUM BOARD - NOMINAL 1/2" OR 5/8" THICK, 4" WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAXIMUM DIAMETER OF OPENING IS 26".
2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MINIMUM OF 0" (POINT CONTACT) TO MAXIMUM 2" PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - A. STEEL PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - B. IRON PIPE - NOMINAL 24" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOMINAL 12" DIAMETER (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
 - C. CONDUIT - NOMINAL 6" DIAMETER (OR SMALLER) STEEL CONDUIT OR NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
 - D. COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - E. COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
 - F. THROUGH PENETRATING PRODUCT - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
 - 1. NOMINAL 2" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC.
 - 2. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. TITRLEX CORP. A BUNDY CO.
 - 3. NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG INC.
3. FILL VOID OR CAVITY MATERIAL - CALK OR SEALANT - MINIMUM 5/8", 1 1/4", 1 7/8" AND 2 1/2" THICKNESS OF CALK FOR 1, 2, 3 AND 4 HOUR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MINIMUM 1/4" DIAMETER BEAD OF CALK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE WORKLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAXIMUM PIPE OR CONDUIT DIAMETER INCHES	F RATING HOUR	T RATING HOUR
1	1 OR 2	0+, 1 OR 2
1	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
12	1 OR 2	0

• WHEN COPPER PIPE IS USED, T RATING IS 0 HOUR.
3M COMPANY - CP 25WB+ CALK OR FB-3000 WT SEALANT.
• BEARING THE UL CLASSIFICATION MARKING

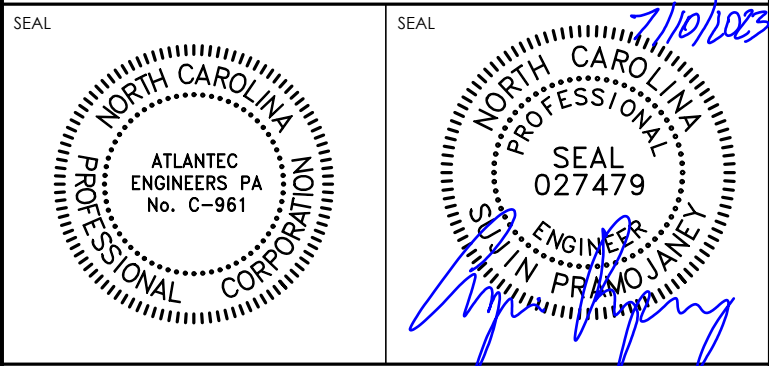
FIRE PENETRATION (TYPICAL)

SCALE: NO SCALE

A12

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KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

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PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
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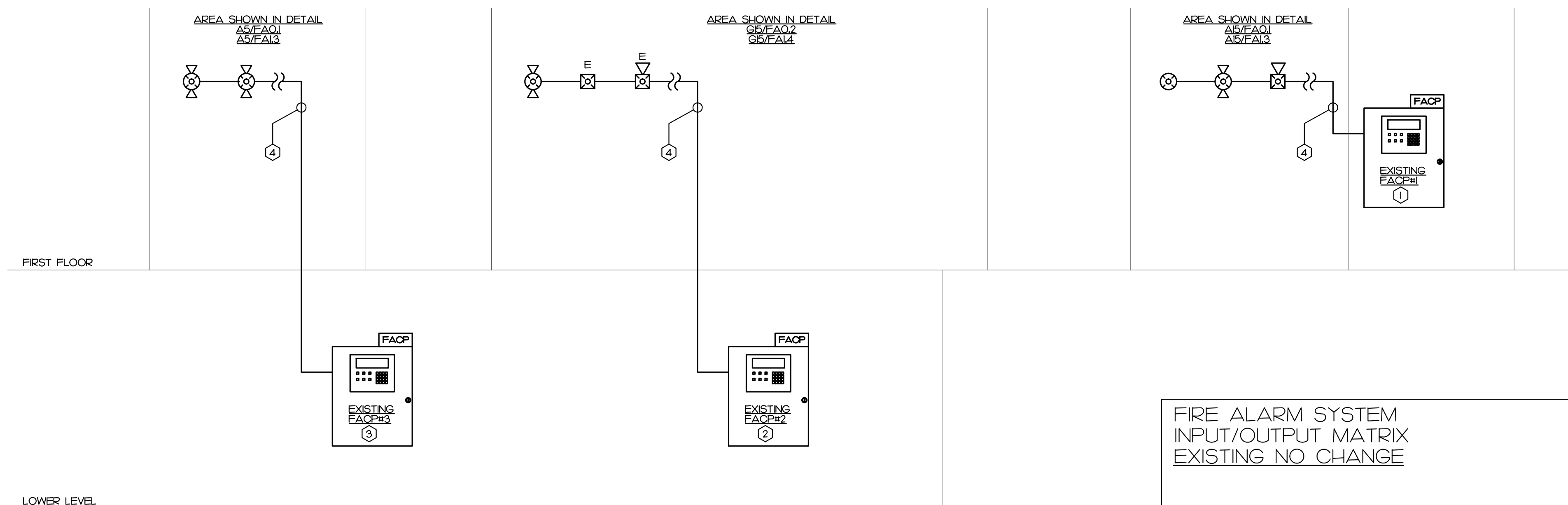
DRAWING TITLE
FIXTURE SCHEDULE
DETAILS

SCALE	DRAWING NO
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DRAWN	SP
CHECKED	SP
DATE	03-06-2023
PROJECT NO.	2022-19

E3.1

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<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
	EXISTING: SMOKE DETECTOR TO BE REMOVED.	EXISTING
	EXISTING: FIRE ALARM STROBE/HORN TO BE REMOVED.	EXISTING
	EXISTING: FIRE ALARM STROBE TO BE REMOVED.	EXISTING
	EXISTING: SMOKE DETECTOR, PHOTOELECTRIC TO REMAIN. ADDRESSABLE.	EXISTING SIMPLE
	EXISTING: FIRE ALARM STROBE, MOUNT 92" A.F.F. TO REMAIN. 'XX' INDICATES CANDELA RATING.	EXISTING
	EXISTING: FIRE ALARM STROBE/HORN, MOUNT 92" A.F.F. TO REMAIN. 75 dBA SOUND LEVEL, 'XX' INDICATES CANDELA RATING.	EXISTING
	NEW: FIRE ALARM STROBE/HORN, MOUNT 92" A.F.F. 75 dBA SOUND LEVEL, 'XX' INDICATES CANDELA RATING. SEE ARCHITECTURAL DETAIL 101A/1 FOR MOUNTING.	SIMPLEX TO MATCH EXISTING
	NEW: FIRE ALARM CEILING STROBE/HORN. 75 dBA SOUND LEVEL, 'XX' INDICATES CANDELA RATING.	SIMPLEX TO MATCH EXISTING
	NEW: FIRE ALARM CEILING STROBE. 'XX' INDICATES CANDELA RATING.	SIMPLEX TO MATCH EXISTING
	EXISTING: FIRE ALARM CONTROL PANEL, SURFACE MOUNTED, ADDRESSABLE. SEE DETAIL A15/F4U AND A15/F4Z FOR LOCATIONS.	SIMPLEX 4100ES
	1 HOUR WALL	
	2 HOUR WALL	
A.F.C.	ABOVE FINISHED CEILING	
A.F.F.	ABOVE FINISHED FLOOR - NOTE ALL MOUNTING DIMENSIONS GIVEN ARE TO THE BOTTOM OF THE OUTLET BOX	



- ## KEY NOTES
- 1 EXISTING FACP#1.
SEE KEY NOTE #1 IN A15/FA1 FOR LOCATION.
 - 2 EXISTING FACP#2.
SEE KEY NOTE #1 IN A15/FA12 FOR LOCATION.
 - 3 EXISTING FACP#3.
SEE KEY NOTE #2 IN A15/FA1 FOR LOCATION.
 - 4 EXISTING NOTIFICATION CIRCUIT IN PROJECT AREA.
PROVIDE ADDITIONAL CIRCUIT IF REQUIRED.

1. SEE PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT.
 - THIS PLAN SHOWS ONLY ADDITIONAL EQUIPMENT TO EXISTING FIRE ALARM SYSTEM.
 - E.C. SHALL VERIFY ADEQUACY OF EXISTING SYSTEM PRIOR TO ANY MODIFICATION.
 - ALL MODIFICATION SHALL NOT VOID EXISTING SYSTEM CURRENT WARRANTY OR SERVICE CONTRACT.
 - REPROGRAM EXISTING PANEL AS REQUIRED BY E.C.
2. CONTRACTOR SHALL PROVIDE COMPLETE DOCUMENT PER 2018 FIRE CODE SECTION 907.11 AND 907.11.2 TO THE CITY FOR APPROVAL PRIOR TO SUBMIT TO AND TESTING BY FIRE FIGHT COUNTY FIRE MARSHAL'S OFFICE.
3. PLACARD THE ENTIRE FIRE ALARM SYSTEM. PROVIDE PANEL AND CIRCUIT NUMBERS ON A NAME PLATE AFFIXED TO THE FACE OF THE FIRE ALARM CONTROL PANEL.
4. CONTRACTOR SHALL PROVIDE ZONE MAPS COMPLETE WITH ADDRESSES FOR EACH FIRE ALARM DEVICE IN WOODEN FRAME ADJACENT TO THE EXISTING FIRE ALARM CONTROL PANEL.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM TO ENGINEER FOR APPROVAL.
6. ALL WIRING SHALL BE SUPERVISED.
7. ALL WIRING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
8. ALL WIRING SHALL BE IN CONDUIT.
9. NOTIFICATION CIRCUIT REQUIREMENTS:
 - WIRING SHALL BE CLASS B1.
 - PROVIDE WITH "SYNC MODELS" AS REQUIRED PER NFPA 72.
 - FURNISH NOTIFICATION CIRCUITS AS REQUIRED TO ACCOMMODATE CIRCUIT LOADING. NO NOTIFICATION CIRCUIT SHALL BE LOADED TO MORE THAN 80% CAPACITY.
10. NOTIFICATION APPLIANCE RATINGS:
 - PROVIDE SOUNALERT (C9) RATINGS FOR ALL HORN/STROBE DEVICES PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, 18.5.5.3.7 AND 18.5.3.6.
 - A DISTANCE OF 15 (5'6" ABOVE AMBIENT ON NFPA 72, TABLE A18.4.3) SHALL BE MAINTAINED IN ALL GENERAL AREAS AND 100 (6'6" ABOVE AN AMBIENT OF 85 (6" IN NFPA 72, 18.4.3) SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS PER NFPA 72, TABLE 18.4.3.2. CAROLINA STATE BUILDING CODE SECTION 907.6.2.

[illegible]

SCALE: NO SCALE

Professional Engineer Seal for North Carolina, License No. 027479, signed by N. Pramojaney.

KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1061

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE

FIRE ALARM
LEGEND, DETAIL
RISER DIAGRAM AND NOTES

SCALE

AS NOTED

DRAW.

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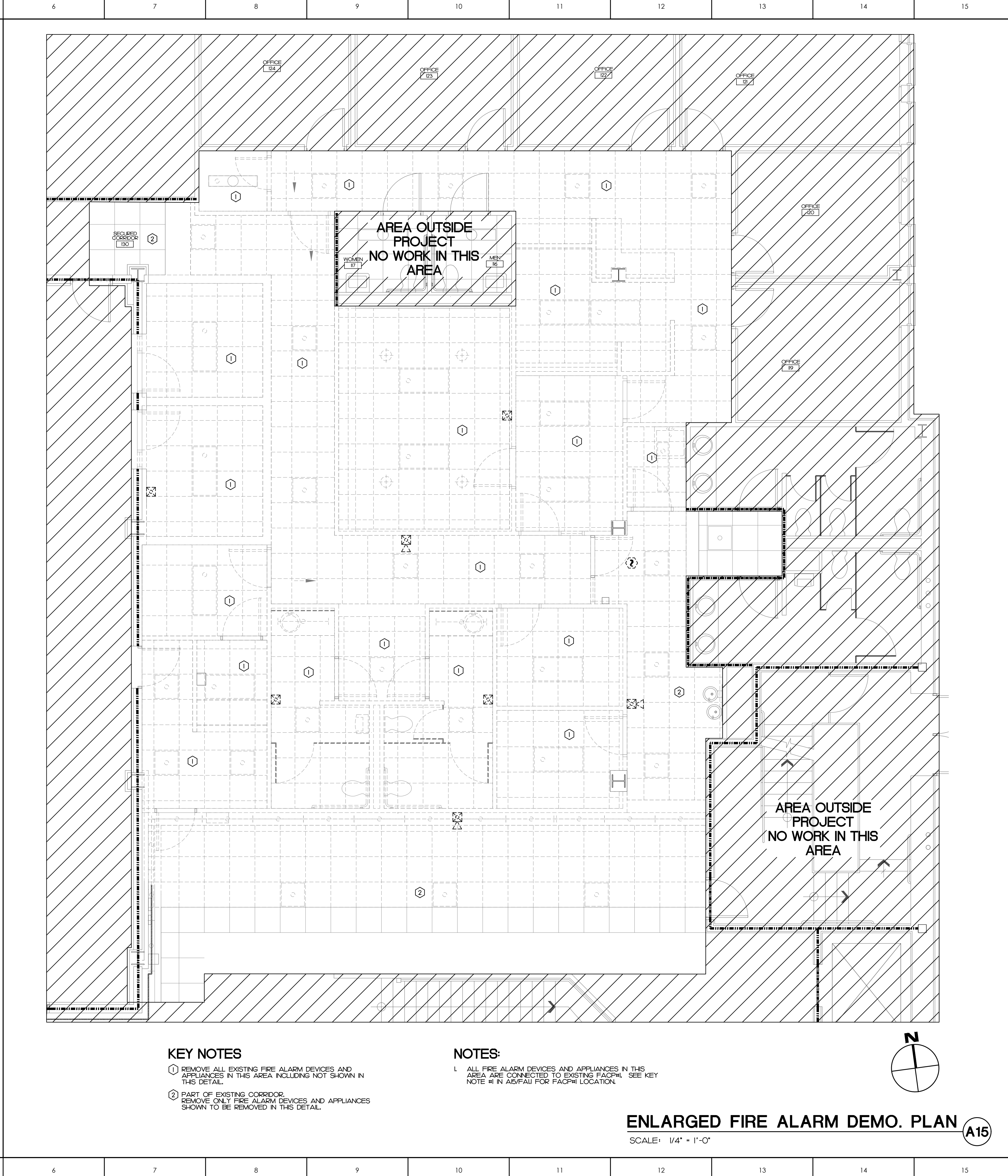
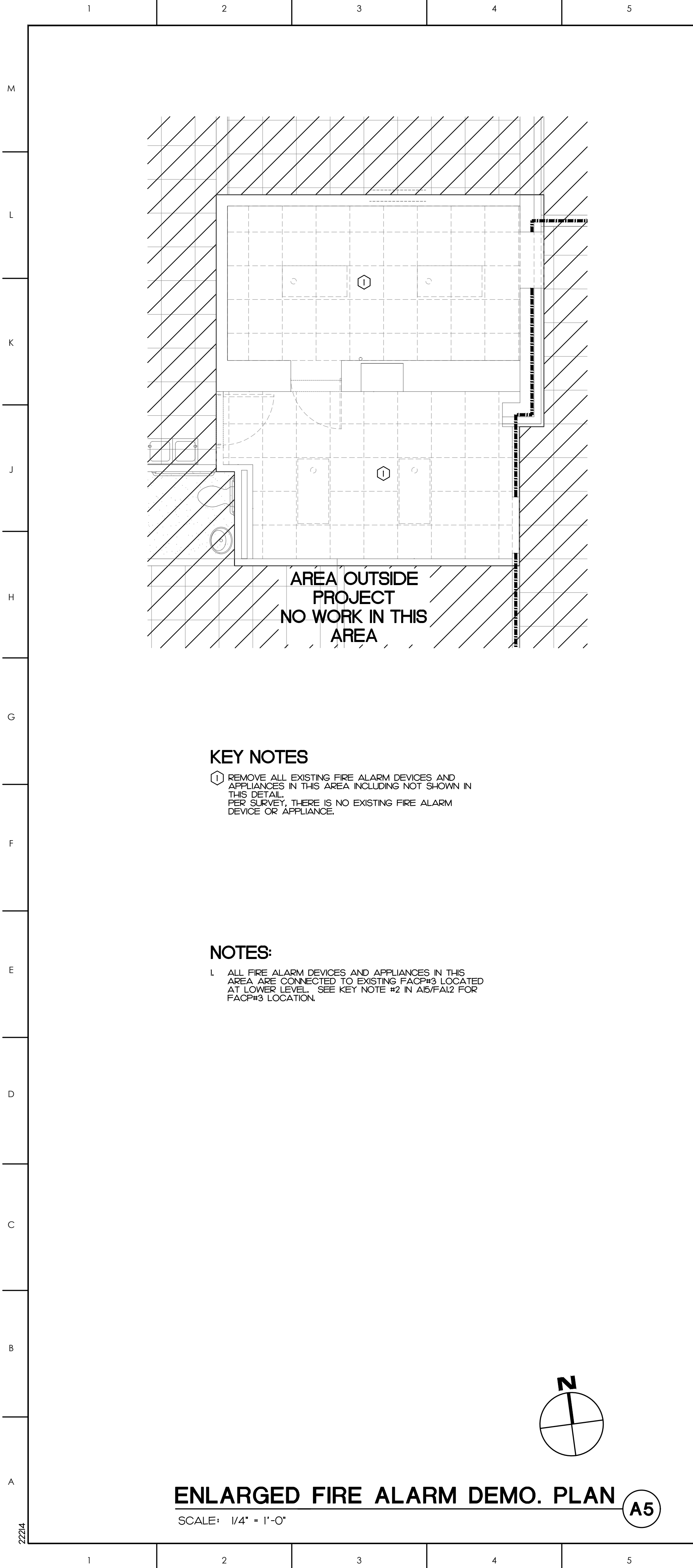
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1505 ST. JAMES PLACE
KINSTON, NC 28504
(252) 527-3336

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ENGINEERS, PA
No. C-981
PROFESSIONAL CORPORATION

SEAL
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PROFESSIONAL
SEAL
027479
ENGINEER
JOHN K. FARKAS, AIA

3/10/2023

KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

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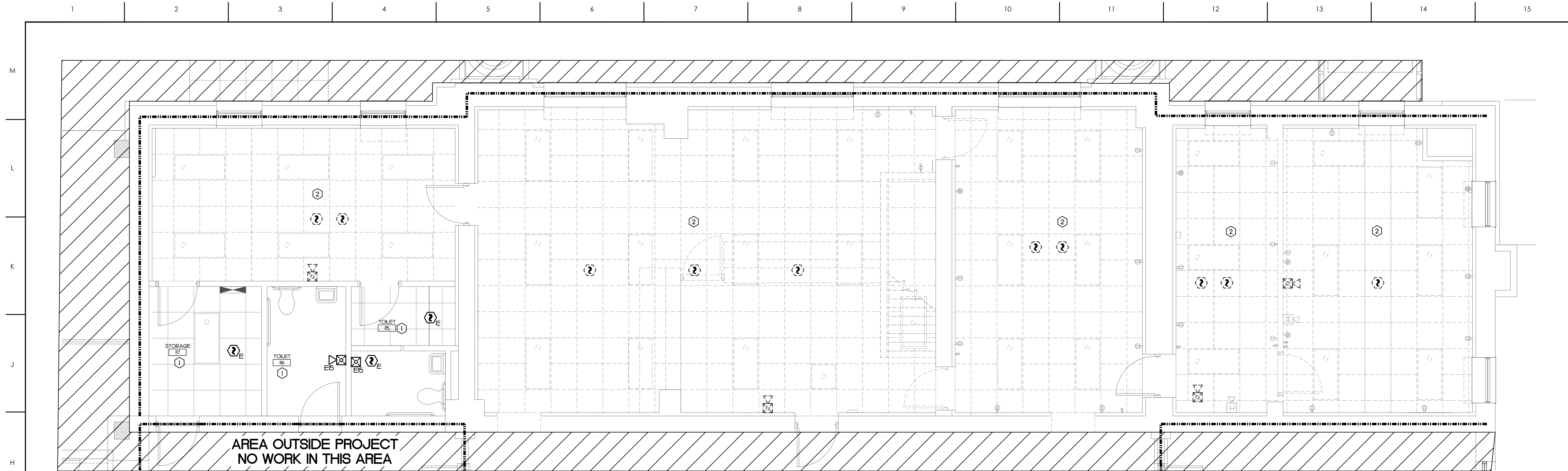
**PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC**

DRAWING TITLE
**ENLARGED
FIRE ALARM DEMOLITION PLAN**

SCALE	DRAWING NO.
AS NOTED	
DRAWN: SP	
CHECKED: SP	
DATE: 03-06-2023	
PROJECT NO.: 2022-19	

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FA0.1

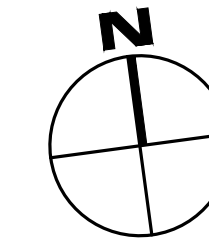


KEY NOTES

- ① NO FIRE ALARM WORK IN THIS AREA.
- ② REMOVE ALL EXISTING FIRE ALARM DEVICES AND APPLIANCES IN THIS AREA INCLUDING NOT SHOWN IN THIS DETAIL.

NOTES:

- I. ALL FIRE ALARM DEVICES AND APPLIANCES IN THIS AREA ARE CONNECTED TO EXISTING FACP#2 LOCATED AT LOWER LEVEL. SEE KEY NOTE #1 IN A5/FA1.2 FOR FACP#2 LOCATION.



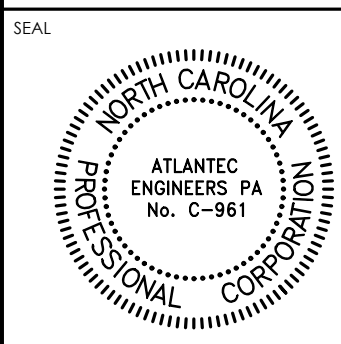
ENLARGED FIRE ALARM DEMO. PLAN

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

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(252) 527-3336



KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE

625 LYNNDAL CT., SUITE F, GREENVILLE, NC 27858 252-355-106

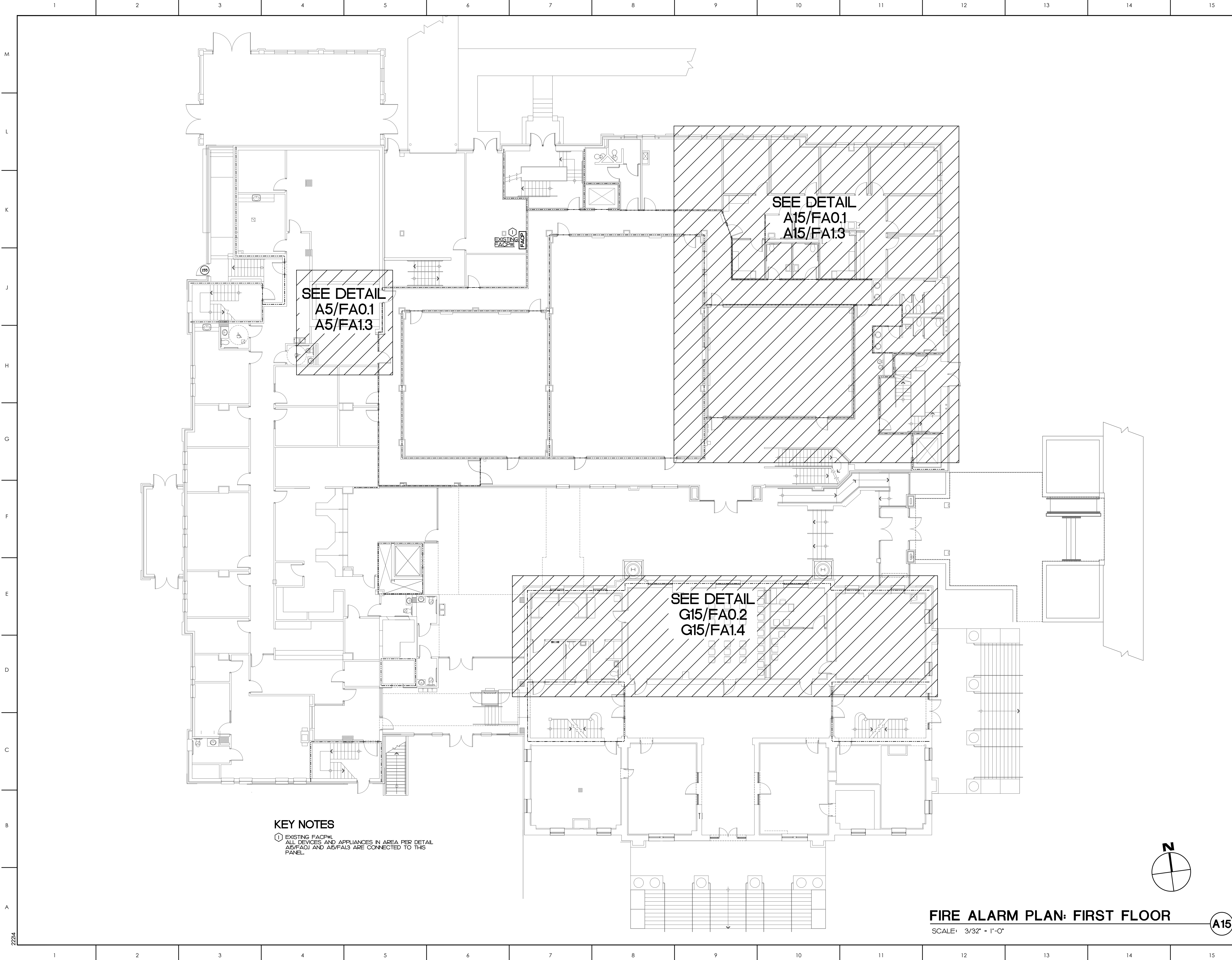
PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE

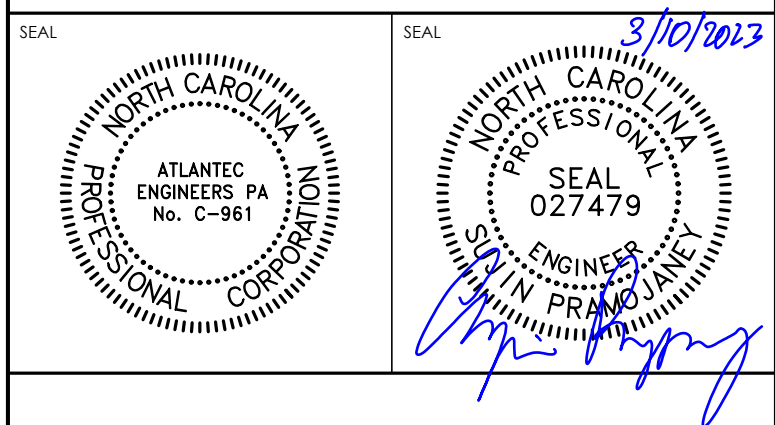
ENLARGED
FIRE ALARM DEMOLITION PLAN

SCALE	AS NOTED DRAWING NO FA0.2
DRAWN	
SP	
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DATE	03-06-2023
PROJECT NO.	2022-19

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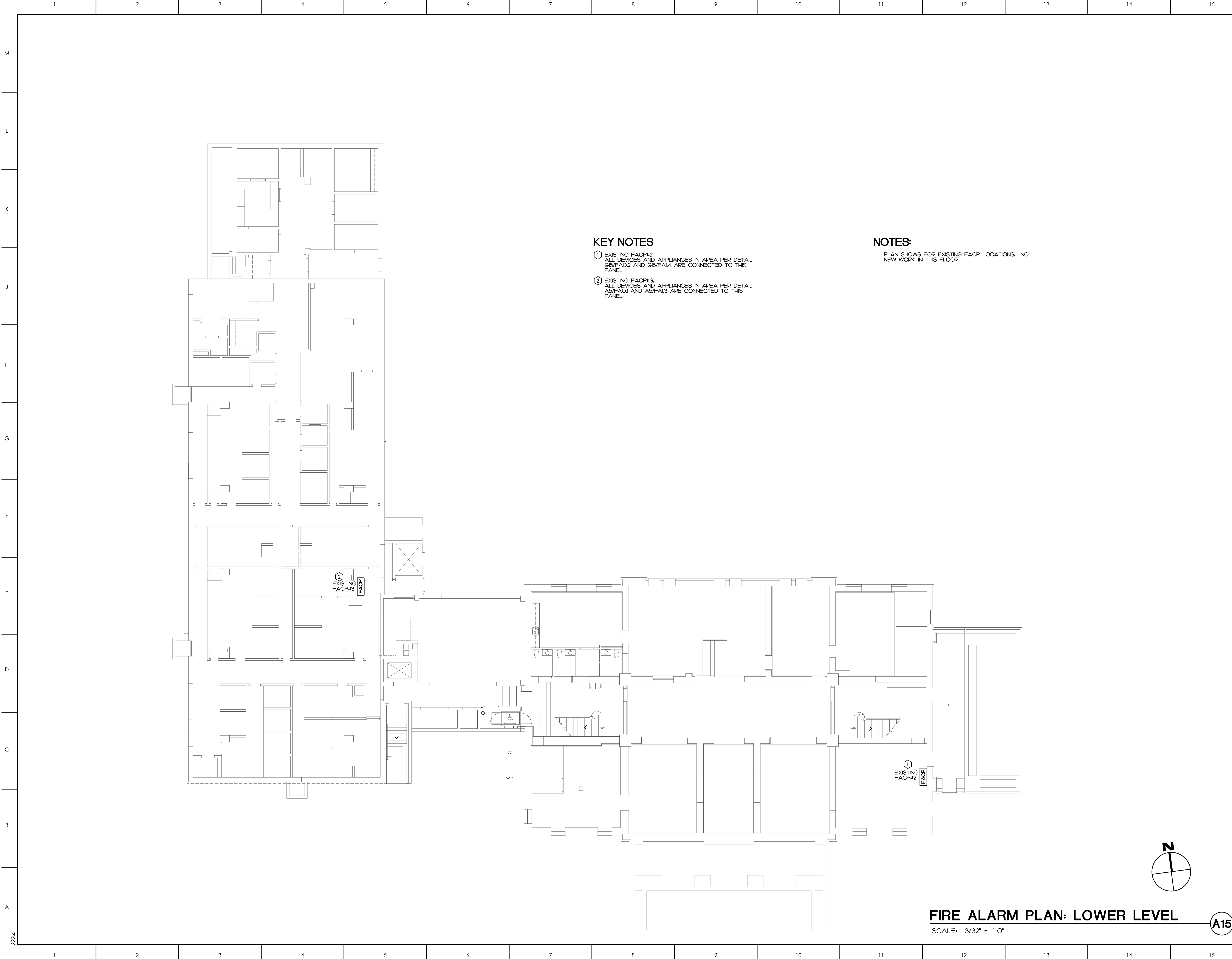
KEY PLAN

NO	REVISION	DATE

J K F
ARCHITECTURE
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048
**PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC**

DRAWING TITLE	
FIRE ALARM PLAN FIRST FLOOR	
SCALE	DRAWING NO.
AS NOTED	FA1.1
DRAWN	
CHECKED	
DATE	
PROJECT NO.	2022-19

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KEY NOTES

- 1 EXISTING FACP#2. ALL DEVICES AND APPLIANCES IN AREA PER DETAIL G5/FA0.2 AND G5/FA1.4 ARE CONNECTED TO THIS PANEL.
- 2 EXISTING FACP#3. ALL DEVICES AND APPLIANCES IN AREA PER DETAIL A5/FA0.1 AND A5/FA1.3 ARE CONNECTED TO THIS PANEL.

NOTES:

- 1 PLAN SHOWS FOR EXISTING FACP LOCATIONS. NO NEW WORK IN THIS FLOOR.

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ATLANTEC ENGINEERS, PA
No. C-961

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NORTH CAROLINA
PROFESSIONAL ENGINEER
SEAL 027479
3/10/2023
John K. Farkas

KEY PLAN

NO	REVISION	DATE

JKF
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COUNTY
COURTHOUSE RENOVATION
PHASE I
GREENVILLE, NC

DRAWING TITLE
FIRE ALARM PLAN
LOWER LEVEL

SCALE
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03-06-2023

PROJECT NO.
2022-19

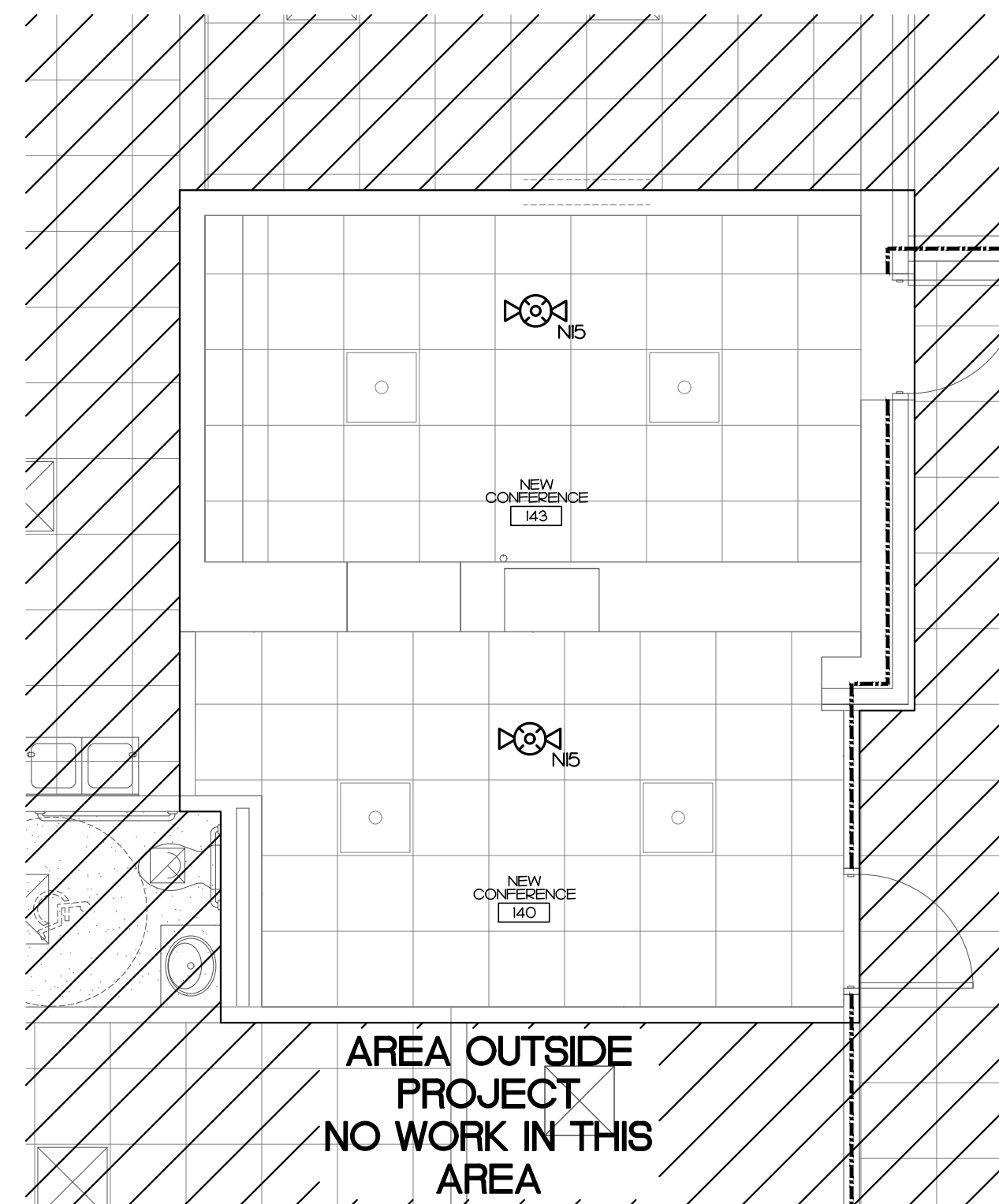
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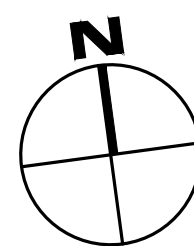
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NOTES:

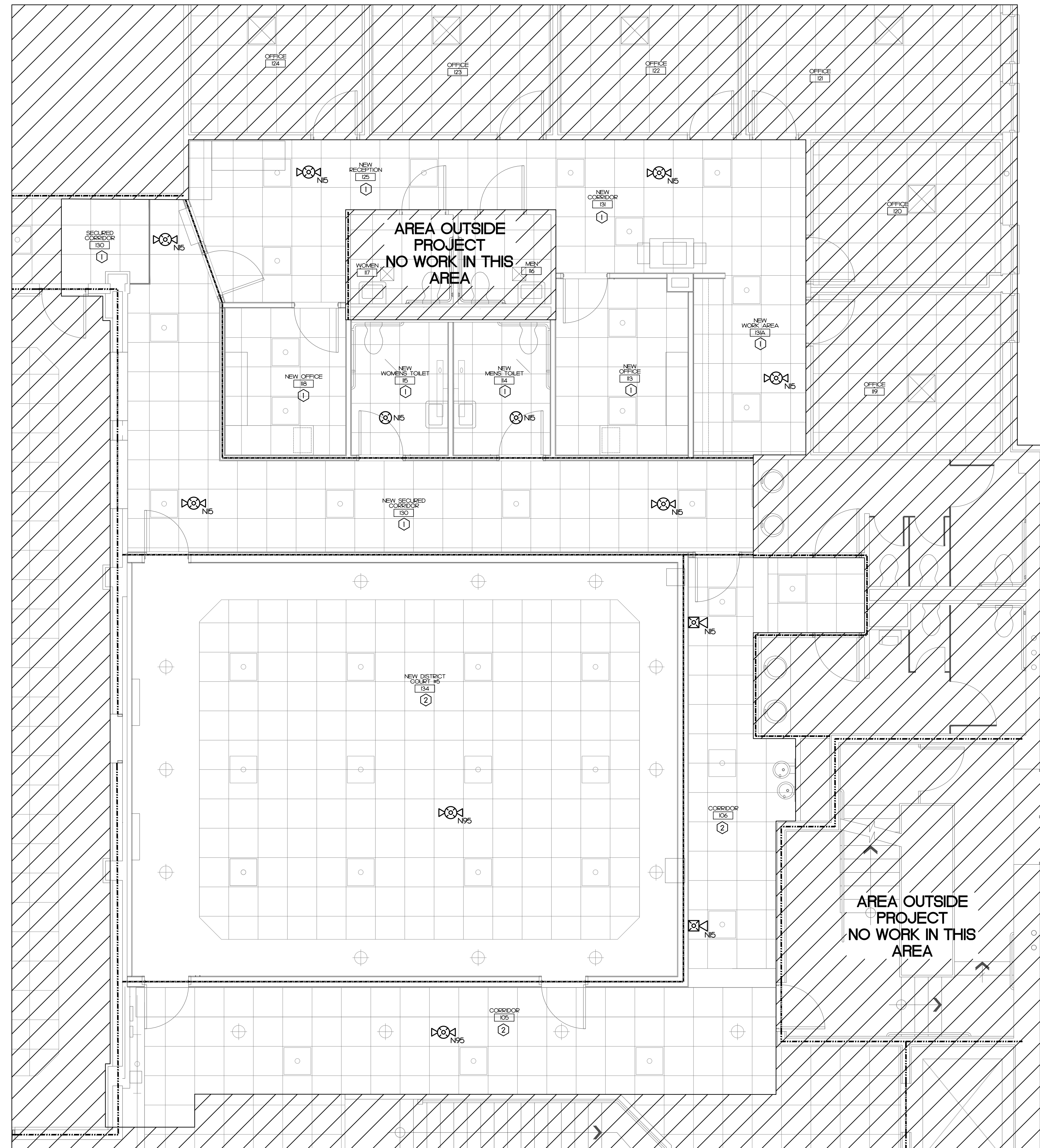
1. ALL FIRE ALARM DEVICES AND APPLIANCES IN THIS AREA ARE CONNECTED TO EXISTING FACP#3 LOCATED AT LOWER LEVEL. SEE KEY NOTE #2 IN A15/FAL2 FOR FACP#3 LOCATION.
2. ALL CEILING HEIGHTS SHOWN IN THIS DETAIL ARE 10 FT. A.F.F. OR LOWER.



ENLARGED FIRE ALARM RENOV. PLAN

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

A5

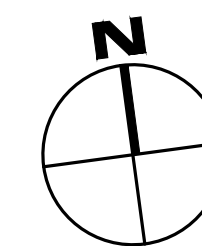


KEY NOTES

- ① CEILING HEIGHT IN THIS AREA IS 10 FT. AFF. OR LOWER.
- ② CEILING HEIGHT IN THIS AREA IS HIGHER THAN 10 FT. AFF. BUT NOT EXCEED 20 FT. AFF.

NOTES:

- I. ALL FIRE ALARM DEVICES AND APPLIANCES IN THIS AREA ARE CONNECTED TO EXISTING FACP#1, SEE KEY NOTE #1 IN A15/FAL1 FOR FACP#1 LOCATION.

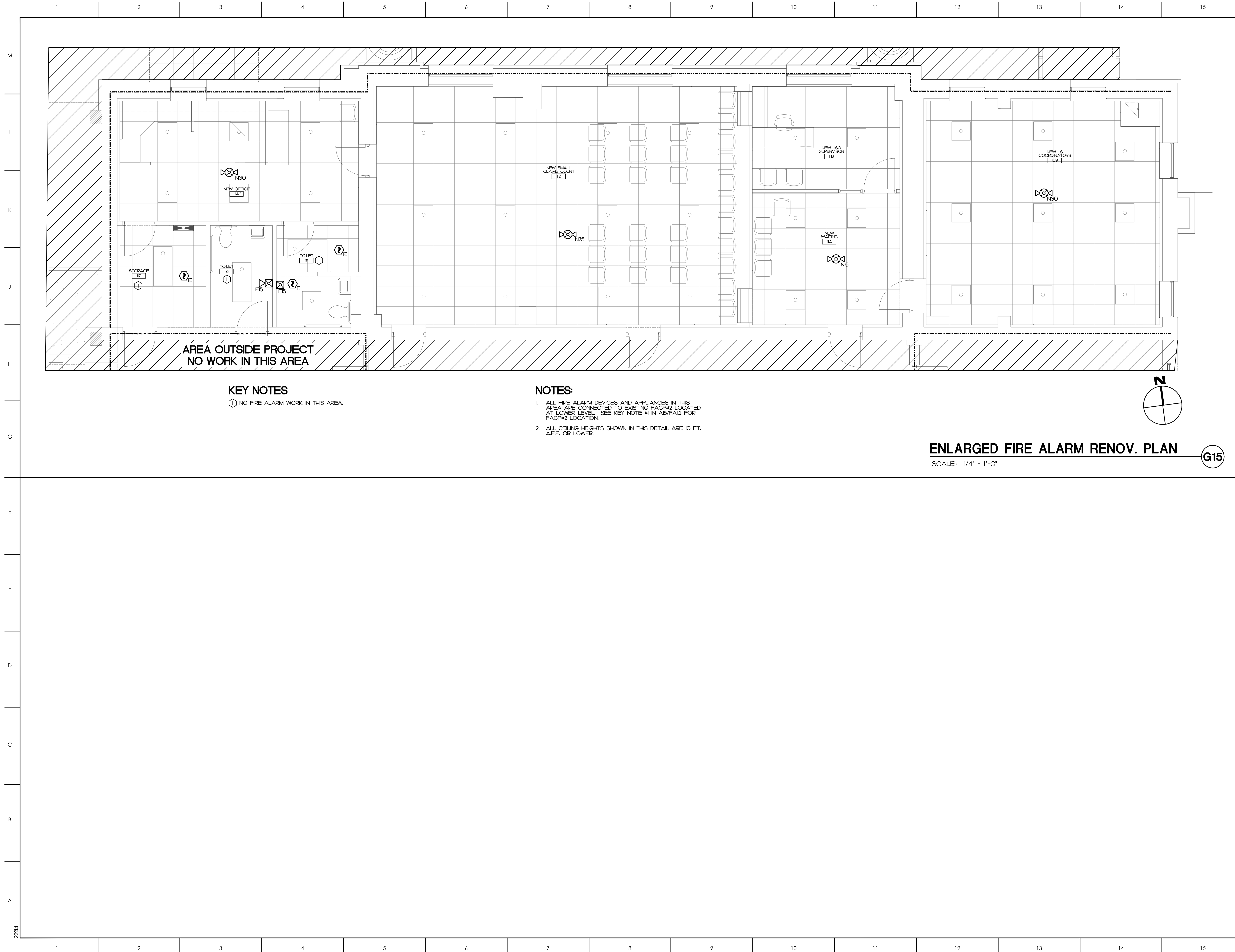


ENLARGED FIRE ALARM RENOV. PLAN

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

A15

 ATLANTEC ENGINEERS, PA 22214 3221 BLUE RIDGE ROAD, SUITE 113 RALEIGH, NC 27612 PH: (919) 571-1111 1505 ST. JAMES PLACE KINSTON, NC 28504 (252) 527-3336		
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J K F ARCHITECTURE		
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PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC		
DRAWING TITLE ENLARGED FIRE ALARM RENOVATION PLAN		
SCALE AS NOTED	DRAWING NO. FA1.3	
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DATE 03-06-2023		
PROJECT NO. 2022-19		



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PITT COUNTY COURTHOUSE RENOVATION PHASE I GREENVILLE, NC								
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DATE 03-06-2023			DRAWING NO FA1.4					
PROJECT NO. 2022-19			DRAWING NO FA1.4					
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