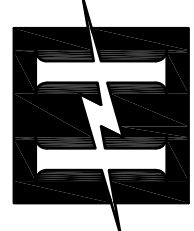


ALABAMA A & M UNIVERSITY

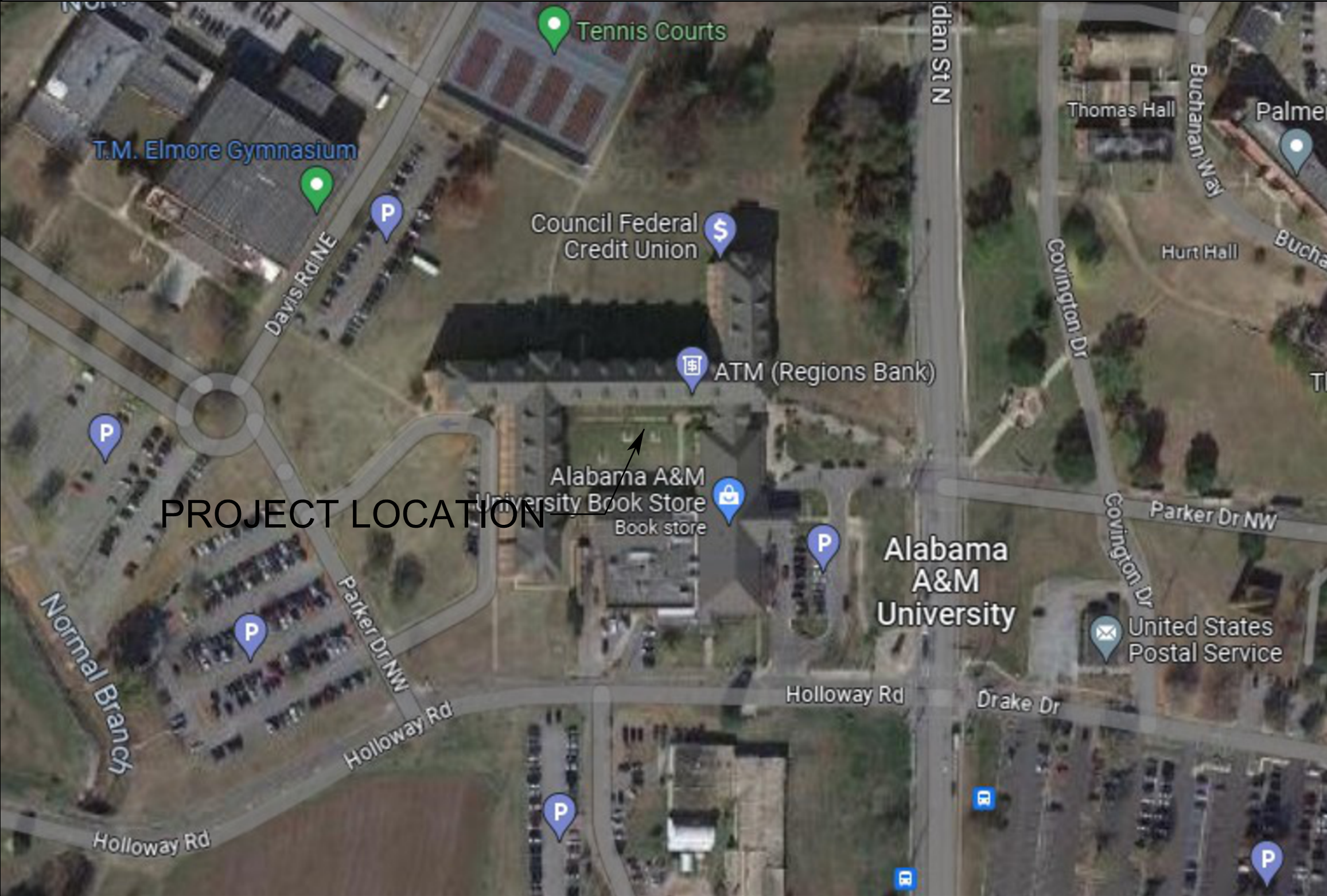
NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING CENTER



Hyde Engineering, Inc.
1525 Perimeter Parkway Suite 275 • Huntsville, AL 35801
(256) 270-8013 • FAX (256) 982-9911 • morgan@hyde-eng.com

NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

PROJECT LOCATION MAP



LIST OF DRAWINGS

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- 2

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- 4

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- 5

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- 17

E4.1 3RD, 4TH & 5TH FLOOR - AREA A
- 18

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PROJECT TEAM

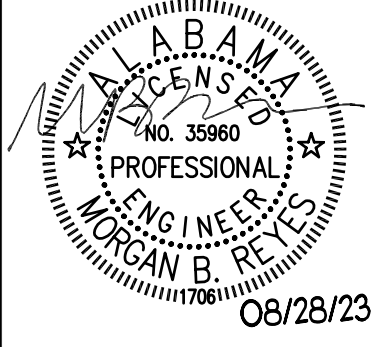
OWNER:
ALABAMA A & M UNIVERSITY

ELECTRICAL ENGINEER:
HYDE ENGINEERING
1525 PERIMETER PARKWAY SUITE 275
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PH. (256) 270-8013
ATTN: MORGAN REYES

CODES:
2020 NEC
2021 IBC
2021 IFC
2019 NFPA 72
2021 IEBC

NO.	REVISION	DATE

SEAL:



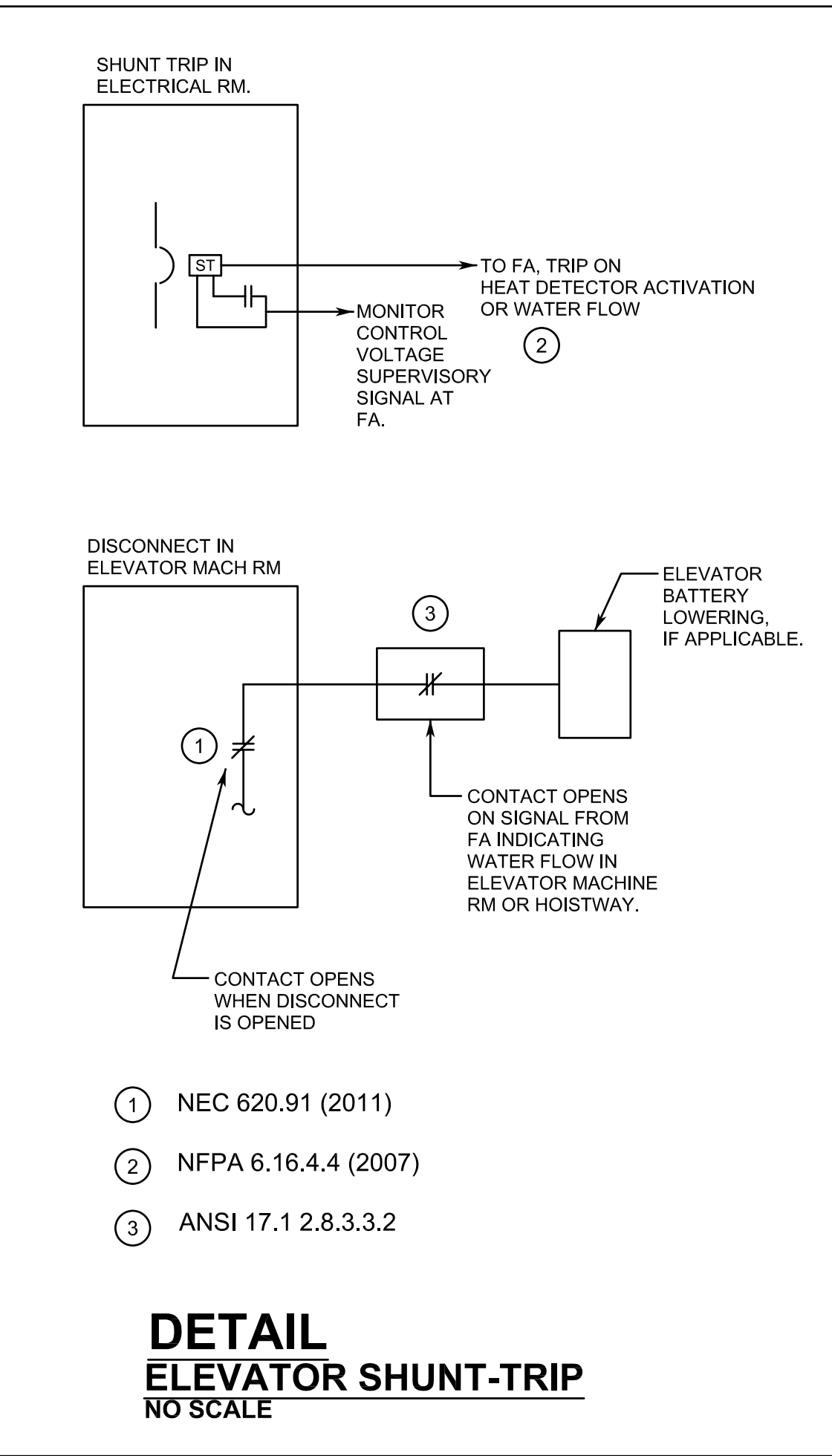
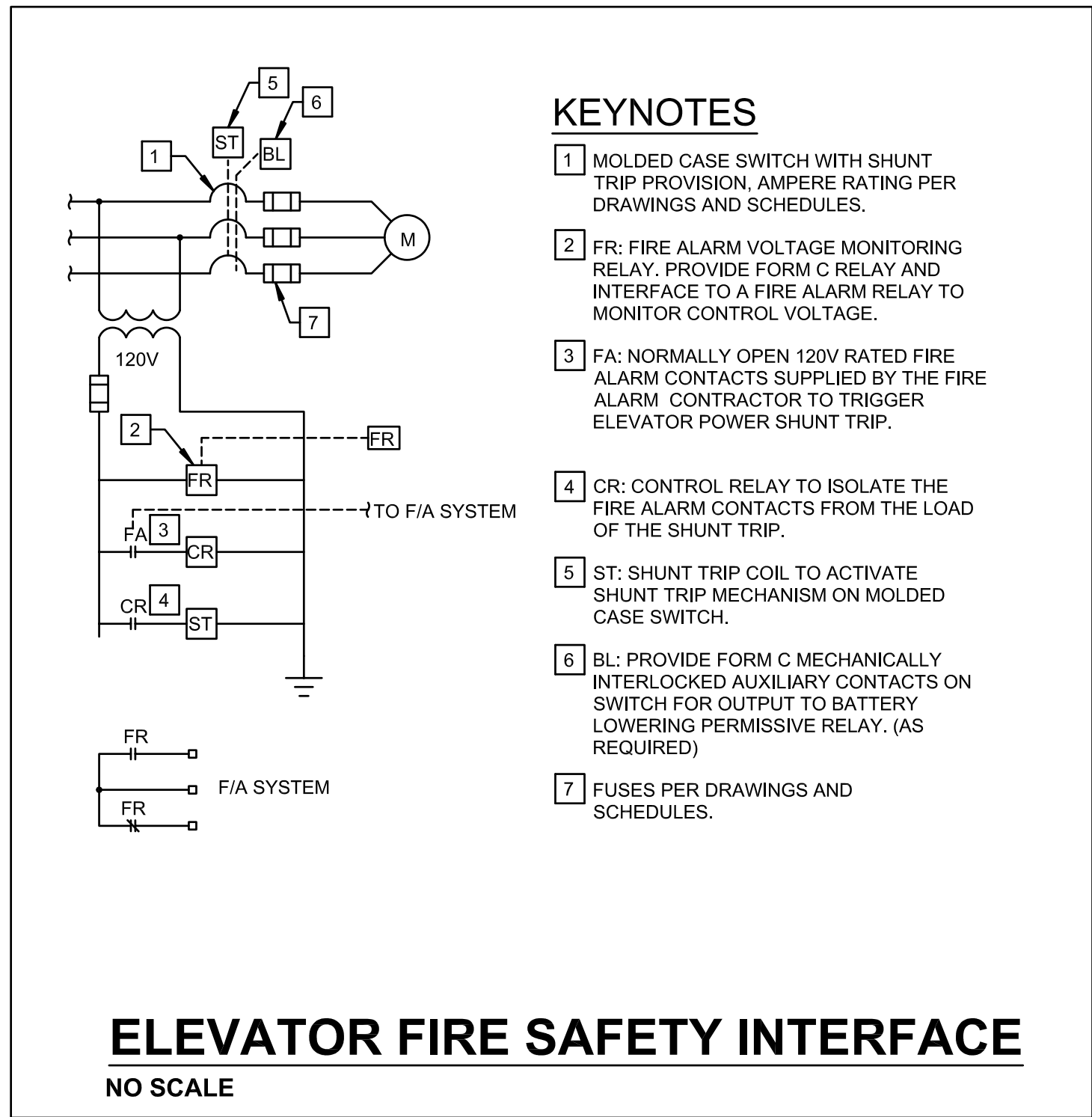
08/28/23

DATE:	08/28/2023
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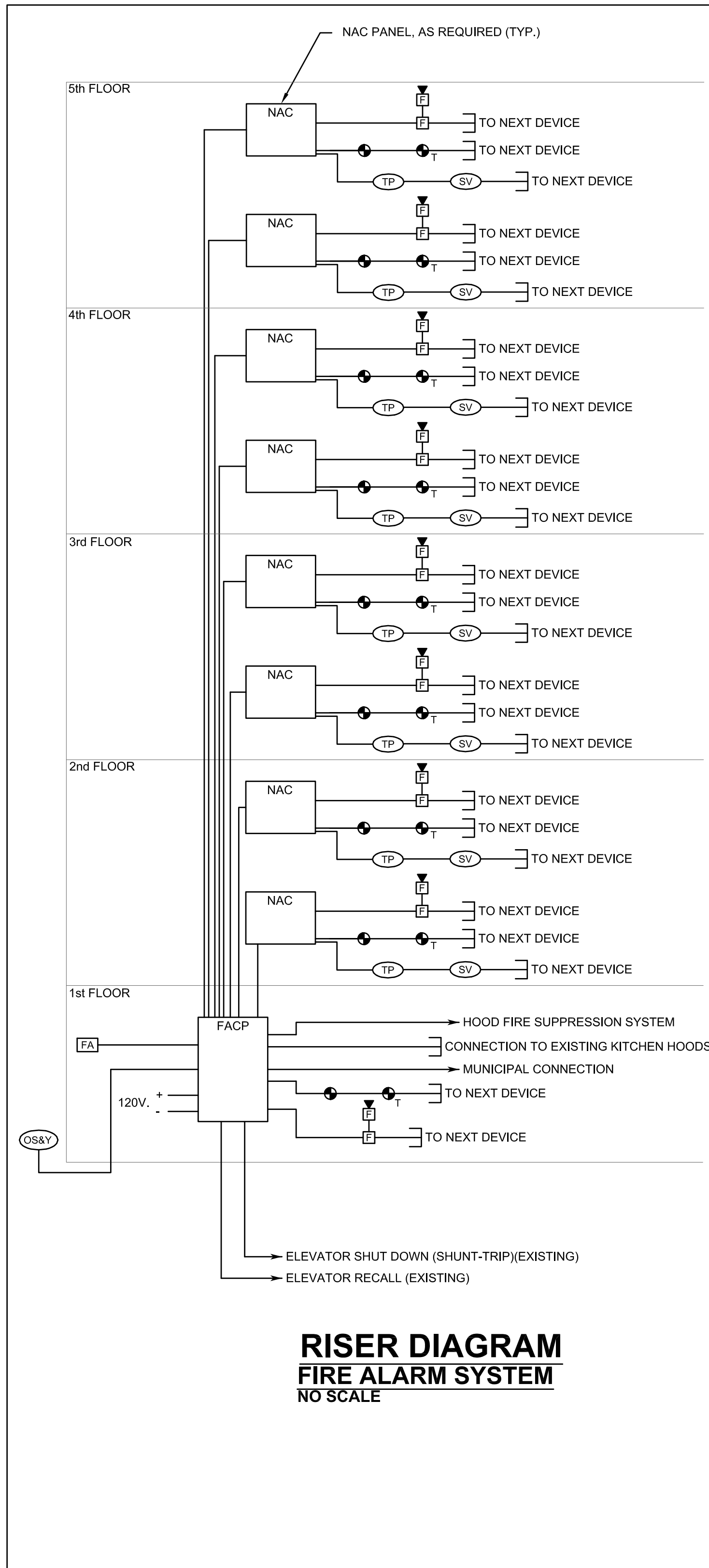
FIRE ALARM	
	FIRE ALARM SYSTEM: MANUAL PULL STATION WITH ALARMED COVER, MOUNT 4'-0" H. TO TOP OF BOX.
	FIRE ALARM SYSTEM: LOCAL ALARM AND SUPERVISORY PANEL.
	FIRE ALARM SYSTEM: ANNUNCIATOR
	FIRE ALARM SYSTEM: SMOKE DETECTOR, SURFACE MOUNTED.
	FIRE ALARM SYSTEM: AUTOMATIC FIRE DETECTOR, HIGH TEMPERATURE, 190 DEG. F.(THERMAL AND RATE OF RISE).
	FIRE ALARM SYSTEM: SMOKE DETECTOR IN A/C DUCT WITH SAMPLING TUBES.
	FIRE ALARM SYSTEM: COMBINATION SPEAKER AND STROBE, CEILING MOUNTED
	FIRE ALARM SYSTEM: SPEAKER BASE, LF SOUNDER, AND SMOKE DETECTOR, CEILING MOUNTED
	FIRE ALARM SYSTEM: SMOKE WITH STROBE
	FIRE ALARM SYSTEM: STROBE
	FIRE ALARM SYSTEM: (AUTOMATIC DOOR RELEASE)
	FIRE ALARM SYSTEM: CONTROL PANEL, (SURFACE) MOUNTED.
	FIRE ALARM SYSTEM: FLOW SWITCH CONNECTION
	FIRE ALARM SYSTEM: SUPERVISORY VALVE CONNECTION
	FIRE ALARM SYSTEM: CEILING MOUNTED SPEAKER
	FIRE ALARM SYSTEM: FIREFIGHTER'S TWO-WAY COMMUNICATION PANEL.
	FIRE ALARM SYSTEM: NAC PANEL
	FIRE ALARM SYSTEM: COMBINATION LOW FREQUENCY SOUNDER & STROBE, MOUNT 80" A.F.F.

ABBREVIATIONS			
A	ABOVE COUNTER	IG	ISOLATED GROUND
AFG	ABOVE FINISH GRADE	NL	NIGHT LIGHT
AFF	ABOVE FINISH FLOOR	MCB	MAIN CIRCUIT BREAKER
AIC	AVAILABLE INTERRUPT CURRENT	MLO	MAIN LUGS ONLY
AL	ALUMINUM	RR	REMOVE AND REPLACE WITH NEW
AWG	AMERICAN WIRE GAUGE	TBB	TELEPHONE BACK BOARD
C	CONDUIT RACEWAY	TP	TAMPER PROOF
CB	CIRCUIT BREAKER	TV	TELEVISION
CU	COPPER	TYP	TYPICAL
DISC	DISCONNECT	UC	UNDER COUNTER
EM	EMERGENCY	UG	UNDER GROUND
EMT	ELECTRICAL METALLIC TUBING	WAP	WIRELESS ACCESS POINT
EP	EXPLOSION PROOF	WP	WEATHERPROOF, NEMA 3R.
EX	EXISTING	XR	EXISTING - REMOVE
F	FUSE	XRR	EXISTING - REMOVE AND RELOCATE
G, GRD	GROUND	XRL	EXISTING - RELOCATED
GF1	GROUND FAULT INTERRUPTING		

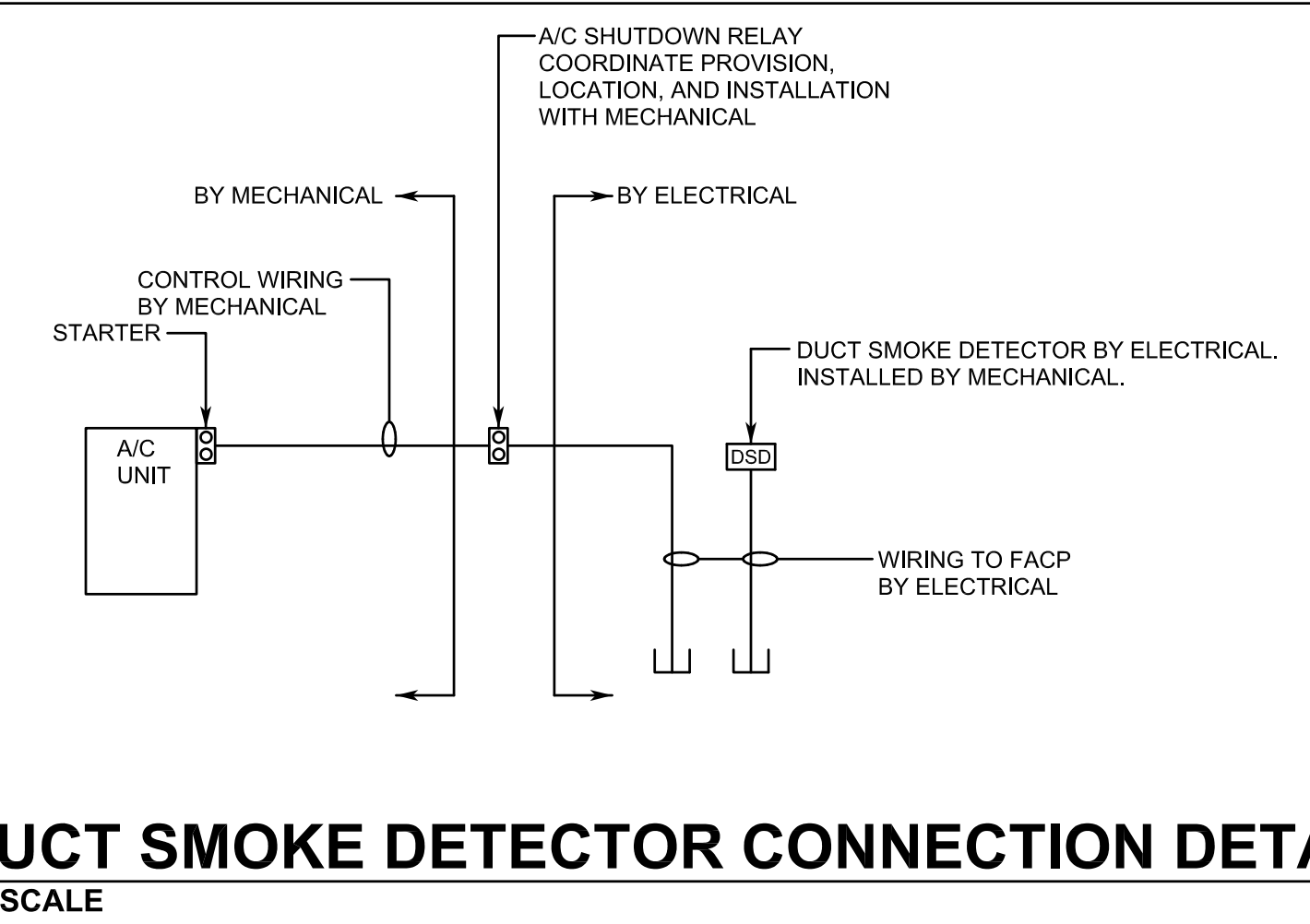


- ## NOTES
- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
 - CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL EXISTING FIELD CONDITIONS.
 - CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
 - SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
 - THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
 - ATTENTION IS CALLED TO THE FACT THAT THIS IS A RENOVATION OF AN EXISTING BUILDING. WHEN THE WORK IS FINISHED, THE ELECTRICAL SHALL BE COMPLETE IN EVERY RESPECT, COMPLETELY INTEGRATED WITH ALL THE EXISTING ELECTRICAL SYSTEMS. ELECTRICAL SERVICE TO THE EXISTING BUILDING SHALL NOT BE INTERRUPTED AT ANY TIME. PROVIDE ALL THE NECESSARY TIES AND TEMPORARY SERVICE TO ACHIEVE THIS CONDITION.
 - SHOULD ANY ELECTRICAL POWER, LIGHT OR AUXILIARY CIRCUITS, FEEDERS OR EQUIPMENT BE SEVERED, DISCONNECTED OR DELETED IN THE PROCESS OF CONSTRUCTION OR REMODELING WHICH IS NOTED A RESULT OF CONTRACT PLANS AND SPECIFICATIONS, AND UNLESS IT IS SPECIFICALLY DESIGNATED BY THE DRAWINGS TO BE DELETED, THEN SAID CIRCUIT OR FEEDER SHALL BE RESTORED TO FIRST CLASS WORKING CONDITION. THE RESTORATION SHALL INCLUDE ANY RE-ROUTING, RELOCATIONS OR REPLACEMENT AS MAY BE NECESSITATED BY THE ARCHITECTURAL AND STRUCTURAL CONSTRUCTION. ANY SUCH WORK REQUIRED SHALL BE INCLUDED IN THE ELECTRICAL CONTRACT AND NO EXTRA COMPENSATION WILL BE GRANTED.
 - THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, PATCHING AND REPAIRING REQUIRED TO DO THIS WORK. REPAIRING OF WORK SHALL BE COMPARABLE TO WORK CUT. PAINT TO MATCH ADJACENT SURFACES OR AS DIRECTED BY ARCHITECT. COORDINATE WITH GENERAL CONTRACTOR.
 - ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
 - THE ATTACHED DRAWINGS WERE DEVELOPED FROM RECORD DRAWINGS AND INFORMATION PROVIDED BY OTHERS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK. THE DESIGN TEAM SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DRAWINGS FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
 - FIRE ALARM CONTRACTOR SHALL BE NICET LEVEL III CERTIFIED MINIMUM AND BE LICENSED BY THE STATE FIRE MARSHALL'S OFFICE.
- ### SPECIAL CONSTRUCTION NOTES
- EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL AT ALL TIMES. IF SYSTEM IS DOWN CONTRACTOR SHALL CONDUCT A FIRE WATCH. FIRE WATCH SHALL BE COORDINATED AND SCHEDULED WITH THE LOCAL FIRE MARSHALL.
 - ONCE THE NEW SYSTEM IS ONLINE THE ENTIRE OLD SYSTEM SHALL BE REMOVED IN ITS ENTIRETY. THIS INCLUDES ALL CABLING, NAC PANELS, DEVICES, AND CONTROL PANEL.
 - CONTRACTOR SHALL REFERENCE SPECIFICATION SECTION 01-10-00 SUMMARY FOR WORK ITEMS.
 - DECEMBER 2023 - NOTICE TO PROCEED. CONTRACTOR MAY BEGIN WORK IN COMMON AREAS AND ALL CORRIDORS. BUILDING WILL BE OCCUPIED. NO DORM ROOM WORK PRIOR TO MAY 2024.
 - MAY 4, 2024 TO JULY 31ST 2024 - DORM ROOMS AND KITCHEN WILL BE UNOCCUPIED OTHER AREAS REMAIN OPERATIONAL AND OCCUPIED. ALL DORM ROOM NEW WORK AND DEMOLITION WORK TO BE COMPLETED DURING THIS TIME.
 - JULY 31ST, 2024 - SUBSTANTIAL COMPLETION(NEW SYSTEM IS ONLINE).
 - AUGUST 9, 2024 - ALL DEMO OF EXISTING SYSTEM TO BE COMPLETE AND PROJECT IS 100% COMPLETE.
 - NEW FIRE ALARM SYSTEM IS TO BE INSTALLED AND 100% OPERATIONAL PRIOR TO DEMOLITION OF OLD SYSTEM.
 - SOME AREAS OF THE BUILDING WILL BE OCCUPIED AND OPERATIONAL FOR THE DURATION OF THE PROJECT.
 - CONTRACTOR SHALL PATCH THE WALL AND REPAINT WHERE THE EXISTING FIRE ALARM CONTROL PANEL WAS LOCATED UPON REMOVAL.
 - CONTRACTOR SHALL FURNISH AND INSTALL BLANK PLATES ON ALL EXISTING BOXES AFTER REMOVAL OF OLD SYSTEM DEVICES.
 - CONTRACTOR IS ADVISED THAT THIS BUILDING WILL BE OCCUPIED WITH BOTH MEN AND WOMEN STUDENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL REFRAIN FROM INTERACTING WITH ANY OF THE STUDENTS DURING CONSTRUCTION. ANY PROBLEMS SHALL BE REPORTED TO THE OWNER AND ENGINEER.
 - CONTRACTOR MAY ROUTE FIRE ALARM CABLING ABOVE THE LAY-IN CEILING USING J-HOOKS ALONG CORRIDORS AND WHERE LAY-IN CEILING EXISTS. CONTRACTOR SHALL USE WIREMOLD ON CEILINGS OF DORM ROOMS AND CONDUIT IN OPEN SPACES.

DO NOT SCALE DIMENSIONS FROM DRAWINGS. CONSULT OWNER/ARCHITECT FOR EXACT DIMENSIONAL DATA.



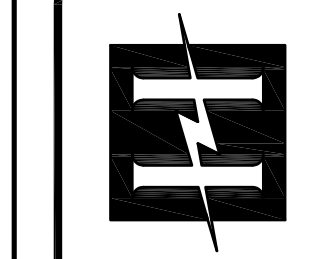
- ### NOTES:
- PROVIDE WIRING IN CONDUIT WHERE EXPOSED. USE J-HOOKS ABOVE ACCESSIBLE CEILINGS.
 - SEE FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES.
 - FIRE ALARM SYSTEM LAYOUT IS DIAGRAMMATIC ONLY. PROVIDE ADDITIONAL DEVICES AS REQUIRED BY CODE AND LOCAL AUTHORITIES.
 - COORDINATE LOCATIONS AND CONNECTIONS OF HVAC SHUTDOWN RELAYS WITH HVAC/CONTROLS VENDOR.
 - PROVIDE ADDRESSABLE SYSTEM.
 - PROVIDE FOR 15% GROWTH.
 - IF NOT SHOWN ON FLOOR PLANS PROVIDE 120V. CIRCUIT FOR FACP POWER. SEE NOTE 17.
 - PROVIDE TERMINAL CABINETS, NAC PANELS AS REQUIRED PER PROPOSED FIRE ALARM SYSTEM.
 - IF NOT SHOWN ON FLOOR PLAN, PROVIDE POWER TO NAC PANELS FROM FLOOR RECEPTACLE PANEL (AS REQUIRED). SEE NOTE 17.
 - PROVIDE REMOTE STATUS & TEST LOCATION FOR DEVICES NOT READILY VISIBLE OR ACCESSIBLE.
 - INTERFACE TO SECURITY SYSTEM. PROVIDE DRY CONTACT CLOSURE. PROVIDE CABLING IN CONDUIT.
 - ON ALARM, ALL DOORS IN EGRESS PATH TO UNLOCK.
 - PROVIDE SMOKE DETECTORS AND INTERFACE TO SMOKE/FIRE DAMPERS AND SMOKE DAMPERS.
 - VERIFY FINISH OF ALL FIRE ALARM DEVICES WITH ARCHITECT PRIOR TO ORDERING. NOTIFICATION DEVICES ARE TO BE WHITE. PULL STATIONS ARE TO BE RED. SMOKE AND HEAT DETECTORS ARE TO BE WHITE.
 - ALL PULL STATIONS ARE TO HAVE ALARMED COVER WITH HORN.
 - FA CONTRACTOR TO VERIFY DECIBEL LEVEL IN ASSEMBLY TYPE SPACES LIKE DINING AND BALL ROOM. ADD ADDITIONAL SPEAKERS AS REQUIRED.
 - NEW POWER CIRCUITS FOR NAC PANELS AND FIRE ALARM CONTROL PANEL SHALL BE ROUTED TO THE NEAREST ELECTRICAL PANEL SHOWN, 2#12, 1#12G-1/2C. (SEE E2.1 - E4.2 FOR PANEL LOCATIONS.) ALL PANELS ARE SQUARE D, NOOD TYPE, 10 KAIC RATED. NEW BREAKERS SHOULD BE 20/1, 10 KAIC RATED. CONTRACTOR MAY USE MC CABLE WHERE CONCEALED ABOVE CEILING.
 - RECONNECT EXISTING ELEVATOR SHUNT TRIP CONNECTIONS TO NEW FIRE ALARM SYSTEM.
 - KNOWN DUCT DETECTORS ARE SHOWN. CONTRACTOR SHALL FURNISH AND INSTALL DUCT DETECTORS FOR ANY UNITS OVER 2000 CFM AND FOR UNITS SERVING EXIT CORRIDORS.
 - CONNECT FIRE ALARM SYSTEM TO PHONE LINE AND DIALER AS REQUIRED.
 - PROVIDE CONNECTION FOR TAMPER FLOW SWITCHES AND OS&Y VALVE. DEVICES ARE EXISTING. VERIFY EXACT LOCATIONS IN FIELD.
 - PROVIDE INTERFACE TO ELEVATOR RECALL SYSTEM.
 - PROVIDE SHUTDOWN OF ELEVATOR ON ACTIVATION OF SPRINKLERS.
 - ACTIVATION OF KITCHEN HOOD FIRE SUPPRESSION SYSTEM SHALL TRIP BREAKERS FOR ALL EQUIPMENT UNDER HOOD INCLUDING LIGHTS AND SUPPLY FAN.



- ### NOTES:
- INTENT OF SYSTEM IS TO PROVIDE SHUT-DOWN/RECALL OF ELEVATOR PRIOR TO WATER APPLICATION FROM SPRINKLERS ON ELEVATOR EQUIPMENT AND BRAKES. PER NFPA 72 3-9.4.
 - THERMAL DETECTORS SHALL HAVE BOTH A LOWER TEMPERATURE RATING AND HIGHER SENSITIVITY COMPARED TO THE SPRINKLER. THERMAL DETECTORS SHALL BE LOCATED WITHIN 2 FEET OF EACH SPRINKLER HEAD. PROVIDE NUMBER OF DETECTORS TO MATCH NUMBER OF SPRINKLER HEADS IN ELEVATOR MACHINE ROOM AND HOISTWAY.
 - SHUNT TRIP RELAY POWER TO BE SUPERVISED BY ELEVATOR RECALL CONTROL AND SUPERVISORY PANEL.
 - ELEVATOR EQUIPMENT SHALL USE SHUNT-TRIP TYPE CIRCUIT BREAKER.
 - COORDINATE ALL WORK WITH SPRINKLER AND ELEVATOR VENDORS.

SPRINKLER INITIATED ELEVATOR SHUT DOWN DETAIL

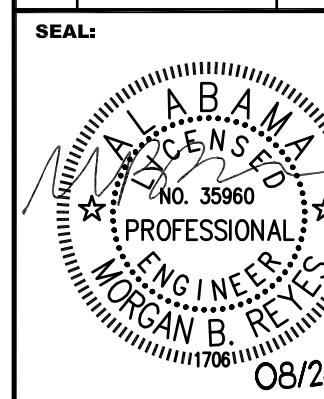
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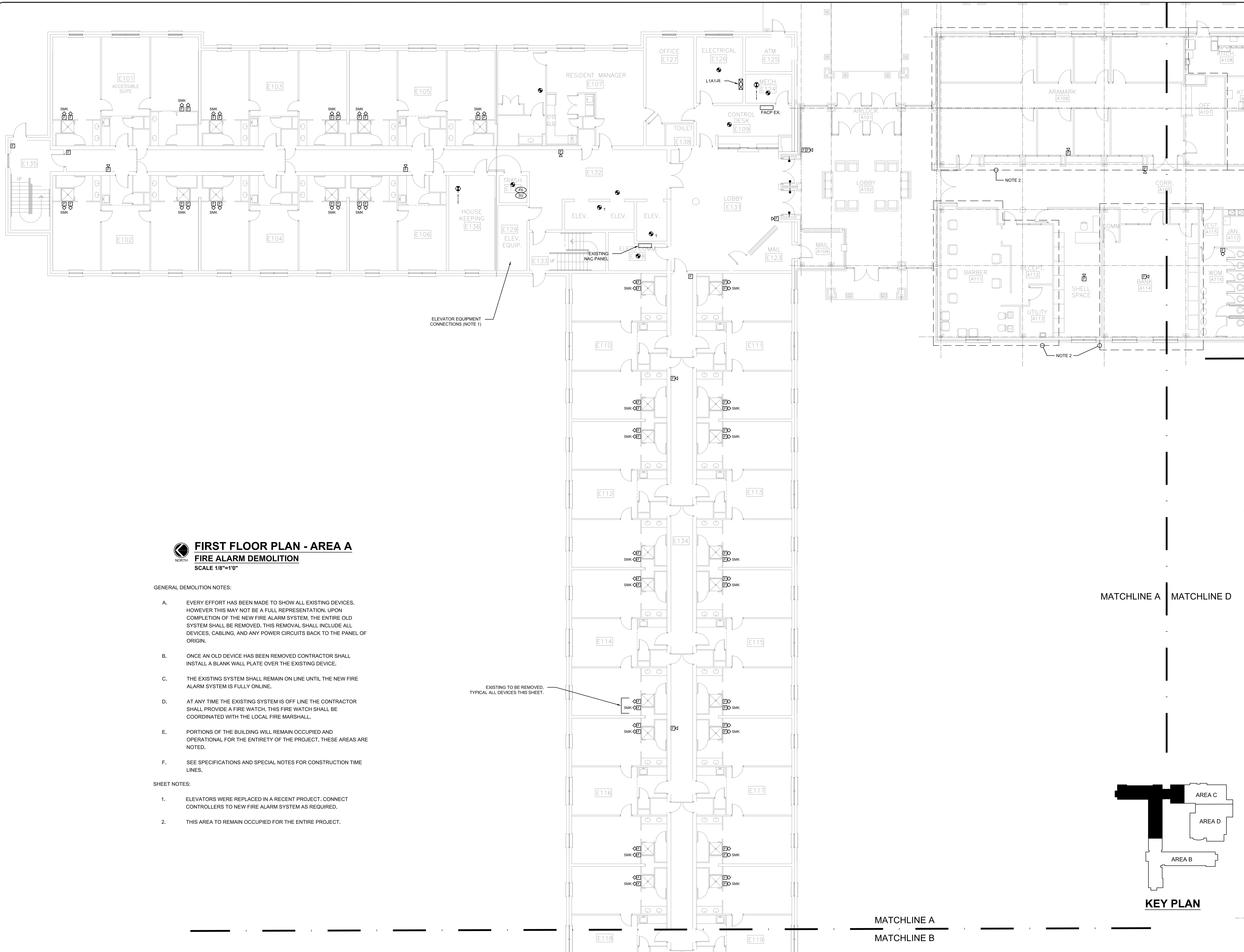
NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE



DATE:	08/28/2023
JOB NUMBER:	26236.0
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CHECKED BY:	MBR
DRAWING TITLE:	LEGEND, NOTES, DETAILS AND RISER

DRAWING NO.
E0.1



FIRST FLOOR PLAN - AREA A
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

GENERAL DEMOLITION NOTES:

- A. EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
- B. ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- C. THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- D. AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH. THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- E. PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT. THESE AREAS ARE NOTED.
- F. SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

SHEET NOTES:

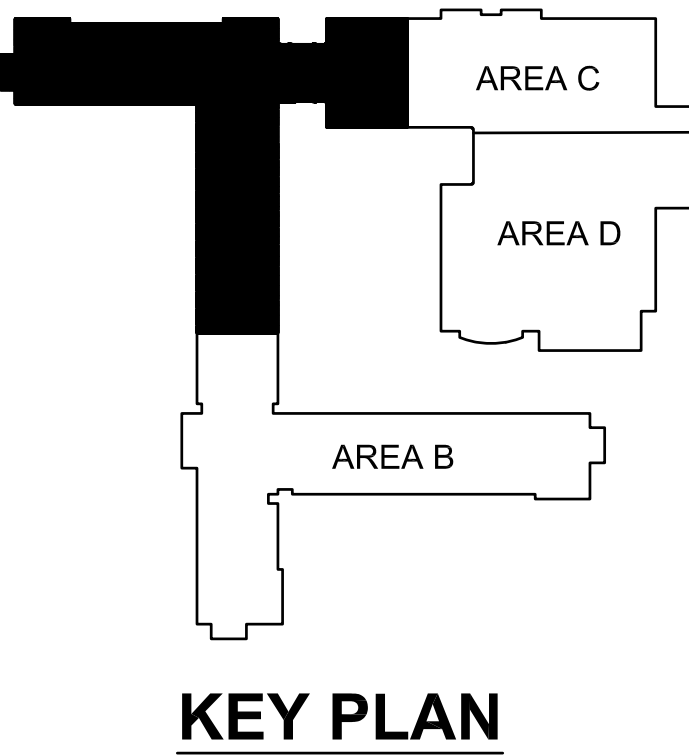
1. ELEVATORS WERE REPLACED IN A RECENT PROJECT. CONNECT CONTROLLERS TO NEW FIRE ALARM SYSTEM AS REQUIRED.
2. THIS AREA TO REMAIN OCCUPIED FOR THE ENTIRE PROJECT.

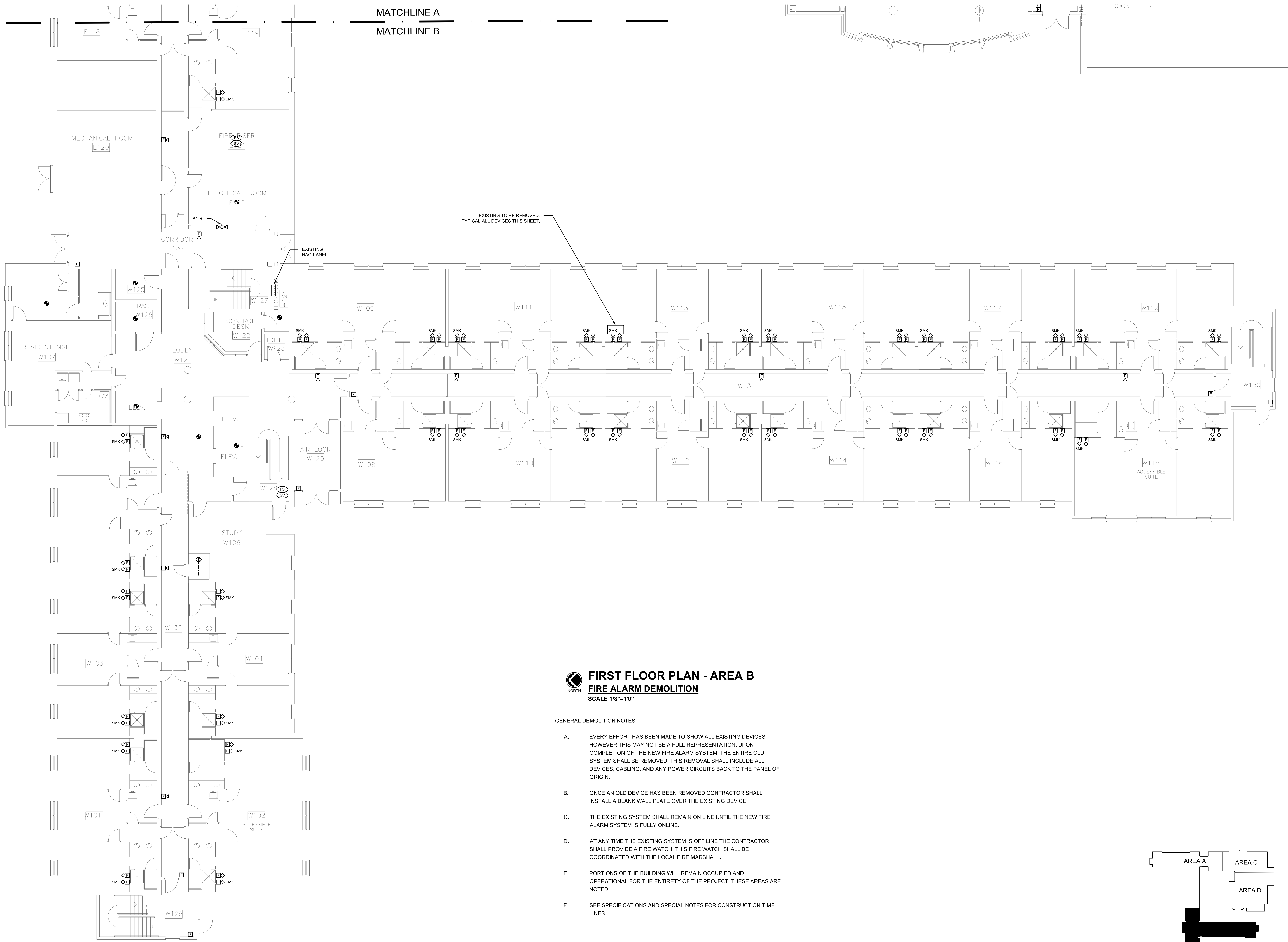
EXISTING TO BE REMOVED.
TYPICAL ALL DEVICES THIS SHEET.

ELEVATOR EQUIPMENT
CONNECTIONS (NOTE 1)

MATCHLINE A MATCHLINE D

MATCHLINE A
MATCHLINE B

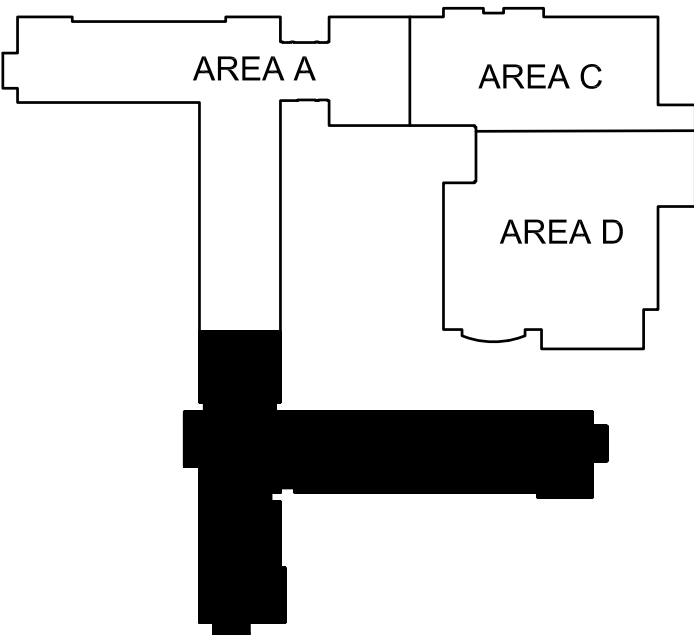




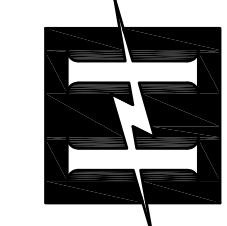
FIRST FLOOR PLAN - AREA B
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

GENERAL DEMOLITION NOTES:

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- B. ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- C. THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- D. AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH, THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- E. PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT. THESE AREAS ARE NOTED.
- F. SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.



KEY PLAN



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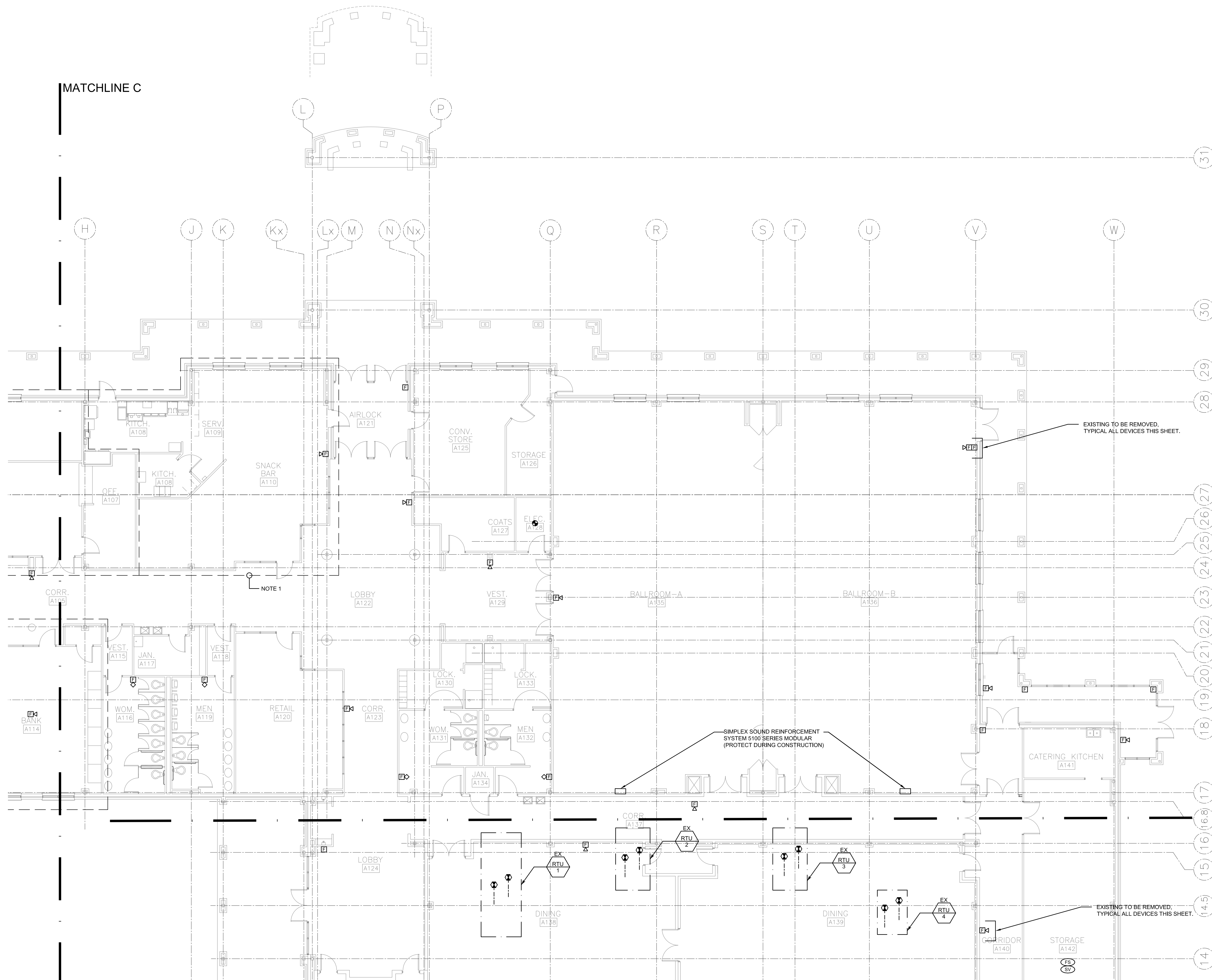
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FIRST FLOOR PLAN - AREA C
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

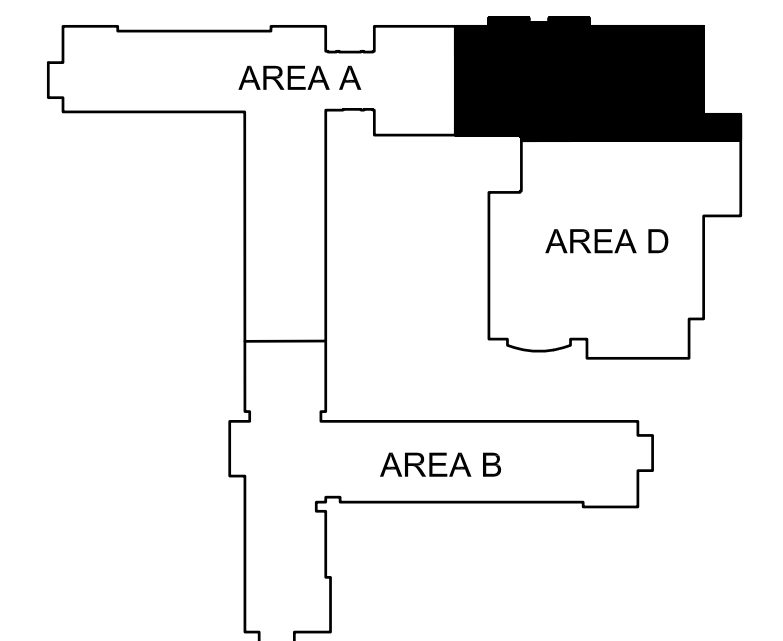
GENERAL DEMOLITION NOTES:

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- PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
- SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

SHEET NOTES:

- THIS AREA TO REMAIN OCCUPIED FOR THE ENTIRE PROJECT.

MATCHLINE C
MATCHLINE D



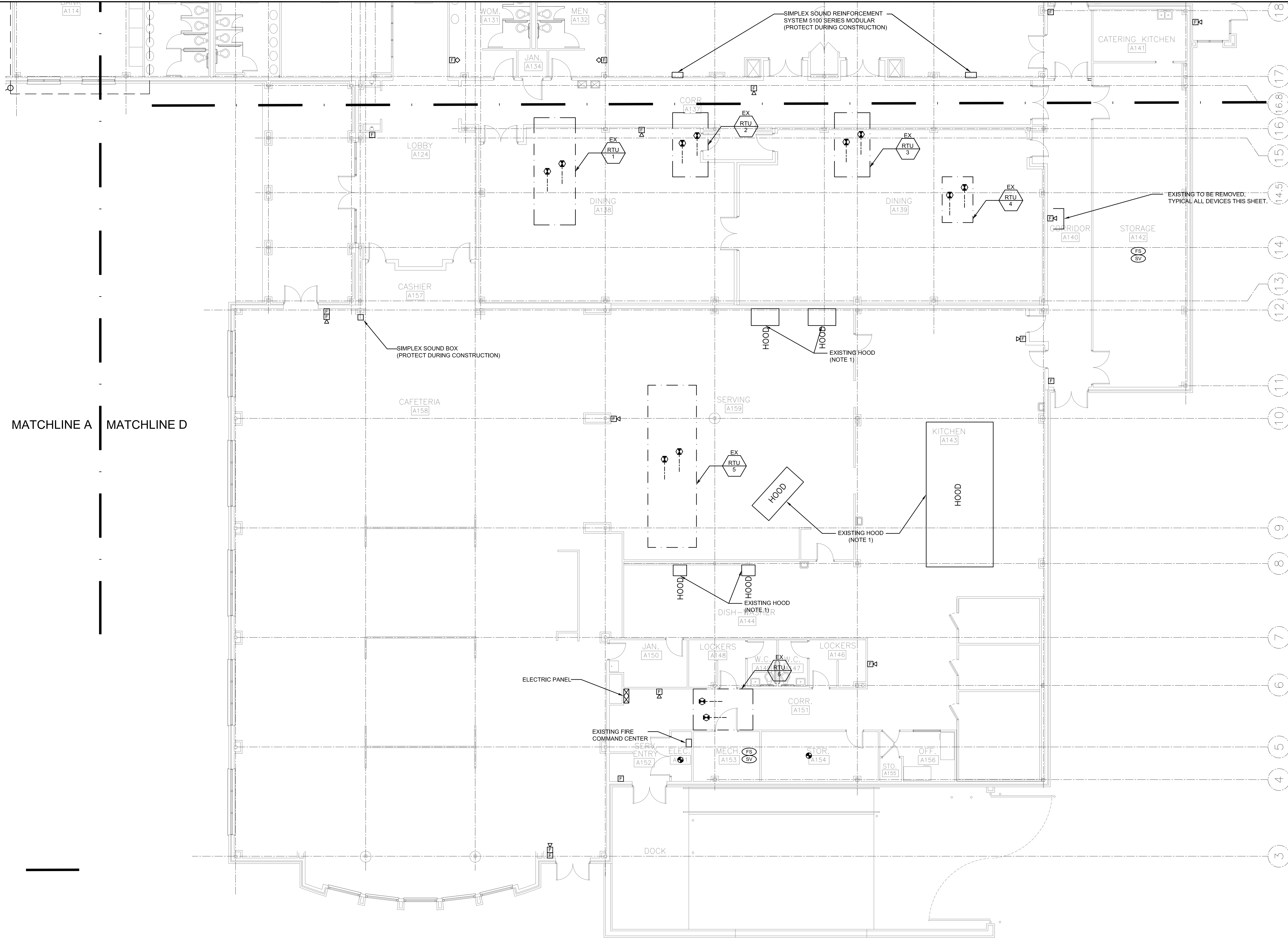
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DRAWING NO.	E1.3	



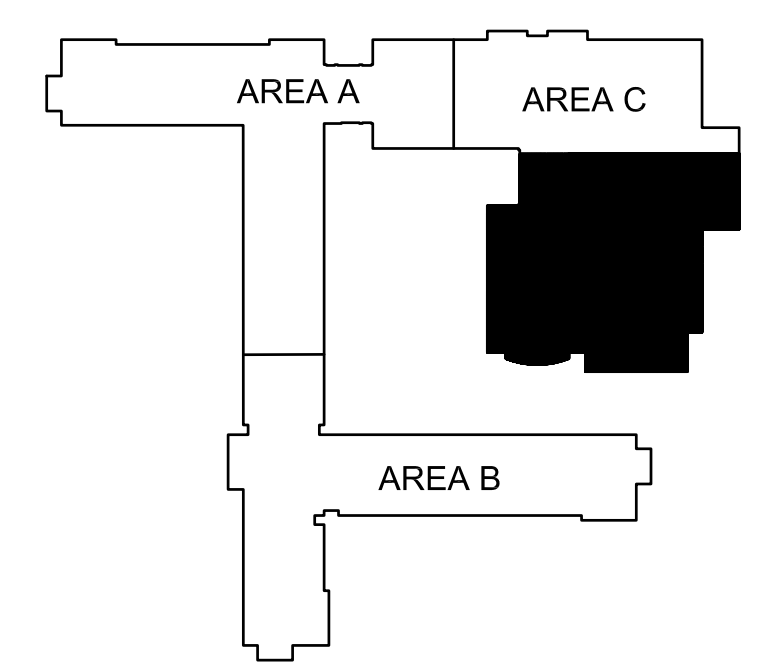
MATCHLINE A MATCHLINE D

MATCHLINE C
MATCHLINE D

FIRST FLOOR PLAN - AREA D
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

- GENERAL DEMOLITION NOTES:
- A. EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
 - B. ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
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 - E. PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
 - F. SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

- SHEET NOTES:
- 1. DISCONNECT FIRE ALARM DEVICES AS REQUIRED FROM EXISTING HOODS.

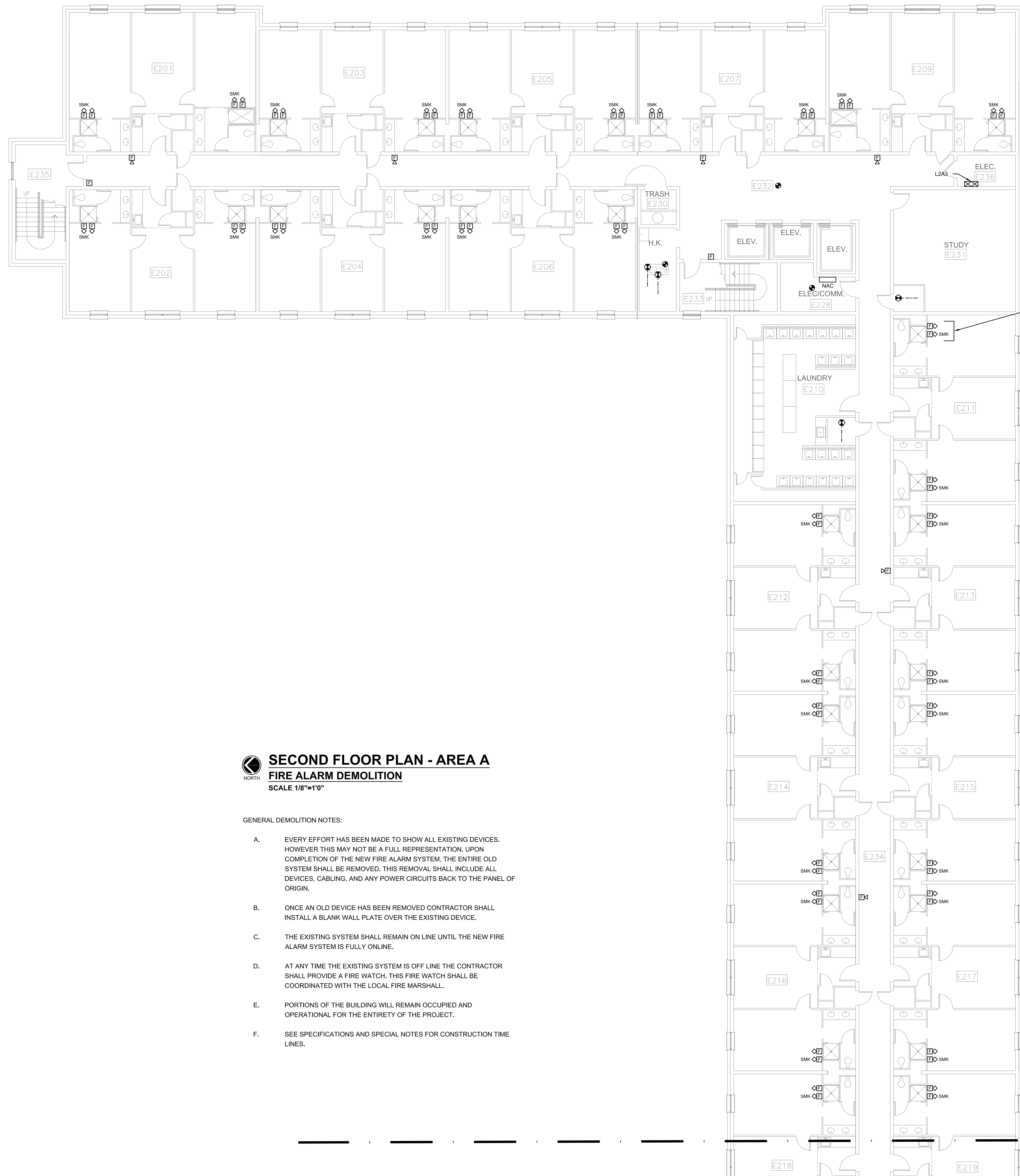


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DRAWING NO.	E1.4	



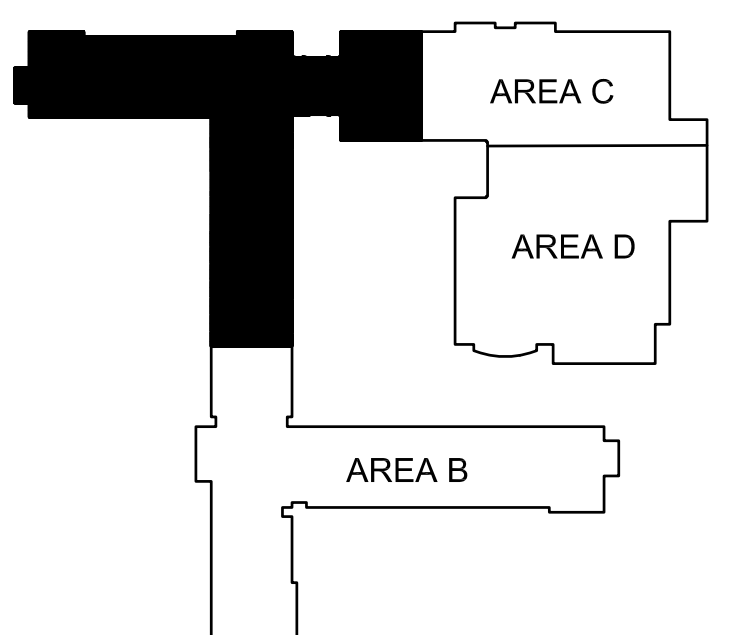
EXISTING TO BE REMOVED,
TYPICAL ALL DEVICES THIS SHEET.

SECOND FLOOR PLAN - AREA A
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

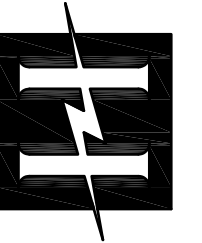
GENERAL DEMOLITION NOTES:

- EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
- ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH. THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
- SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

MATCHLINE A
MATCHLINE B



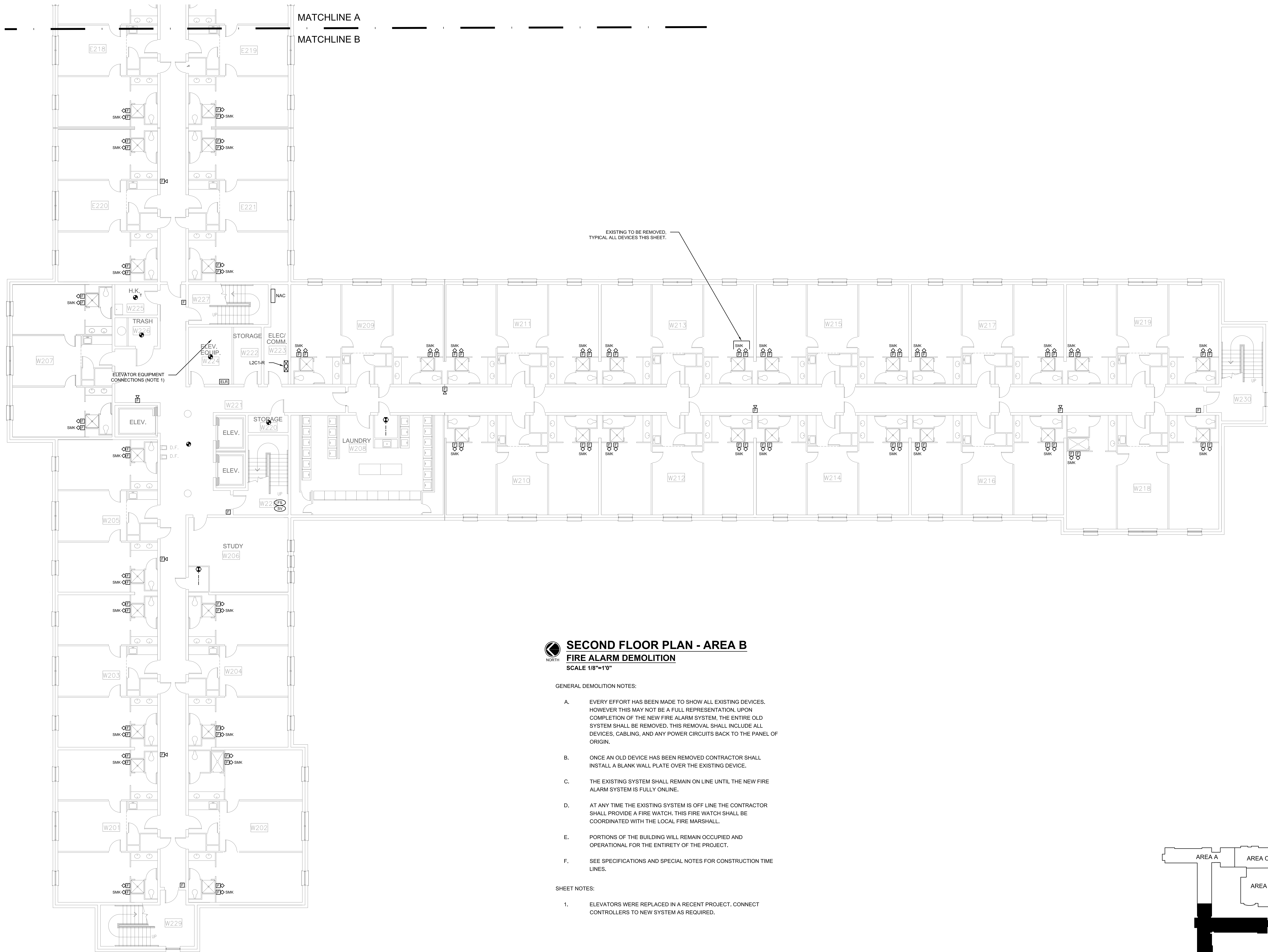
KEY PLAN



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NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE
SEAL:		
DATE:	08/28/2023	
JOB NUMBER:	26236.0	
DRAWN BY:	BR	
CHECKED BY:	MBR	
DRAWING TITLE:	SECOND FLOOR PLAN - AREA A - FIRE ALARM DEMOLITION	
DRAWING NO.	E1.5	



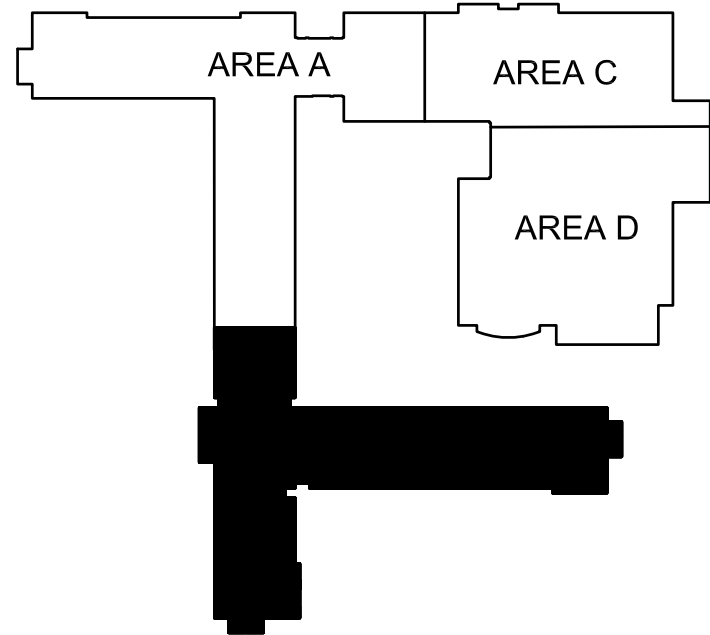
SECOND FLOOR PLAN - AREA B
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

GENERAL DEMOLITION NOTES:

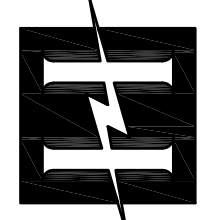
- EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
- ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH. THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
- SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

SHEET NOTES:

- ELEVATORS WERE REPLACED IN A RECENT PROJECT. CONNECT CONTROLLERS TO NEW SYSTEM AS REQUIRED.



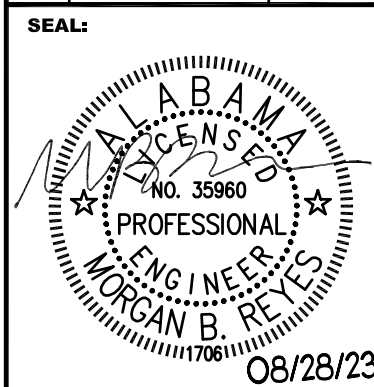
KEY PLAN



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(256) 270-8013 • FAX (256) 982-9911 • info@hyde-eng.com

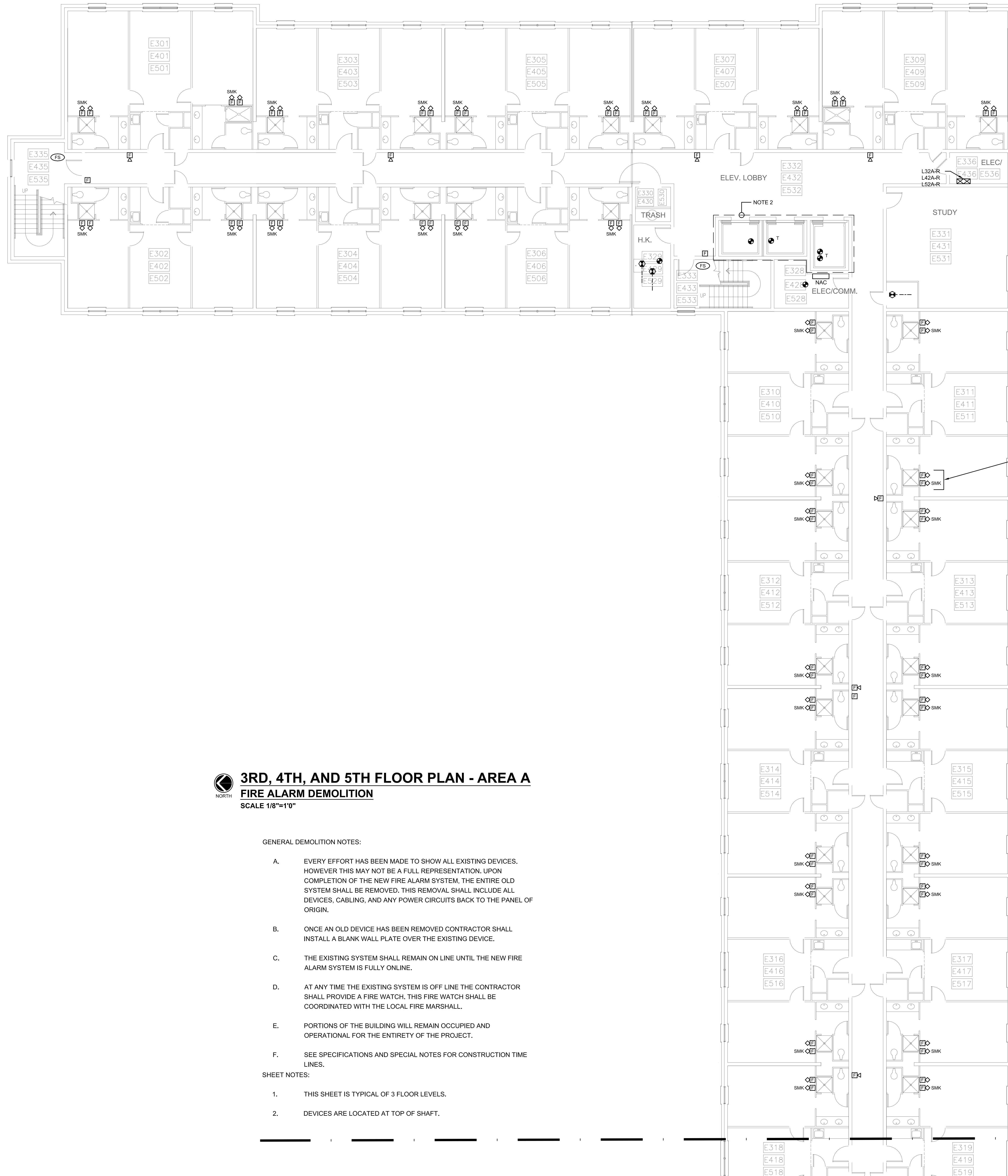
NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE



DATE:	08/28/2023
JOB NUMBER:	26236.0
DRAWN BY:	BR
CHECKED BY:	MBR
DRAWING TITLE:	SECOND FLOOR PLAN - AREA B - FIRE ALARM DEMOLITION

DRAWING NO.	E1.6
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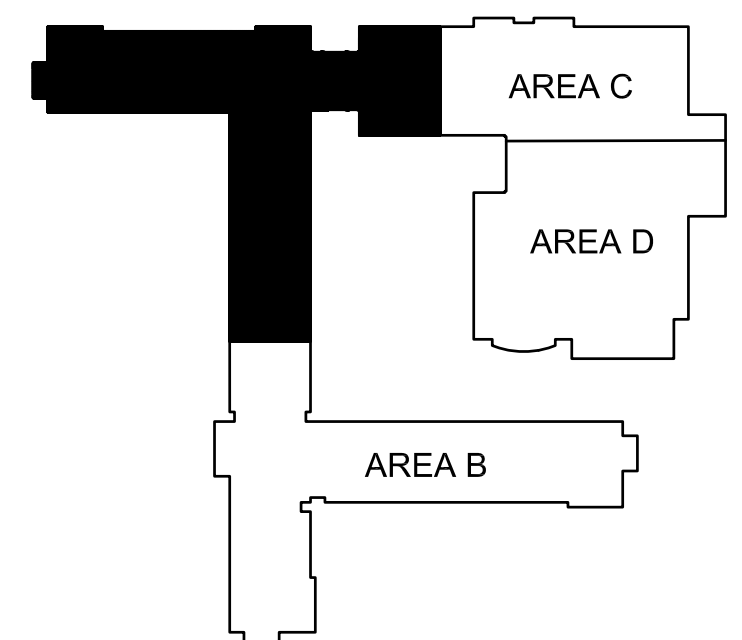
3RD, 4TH, AND 5TH FLOOR PLAN - AREA A
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

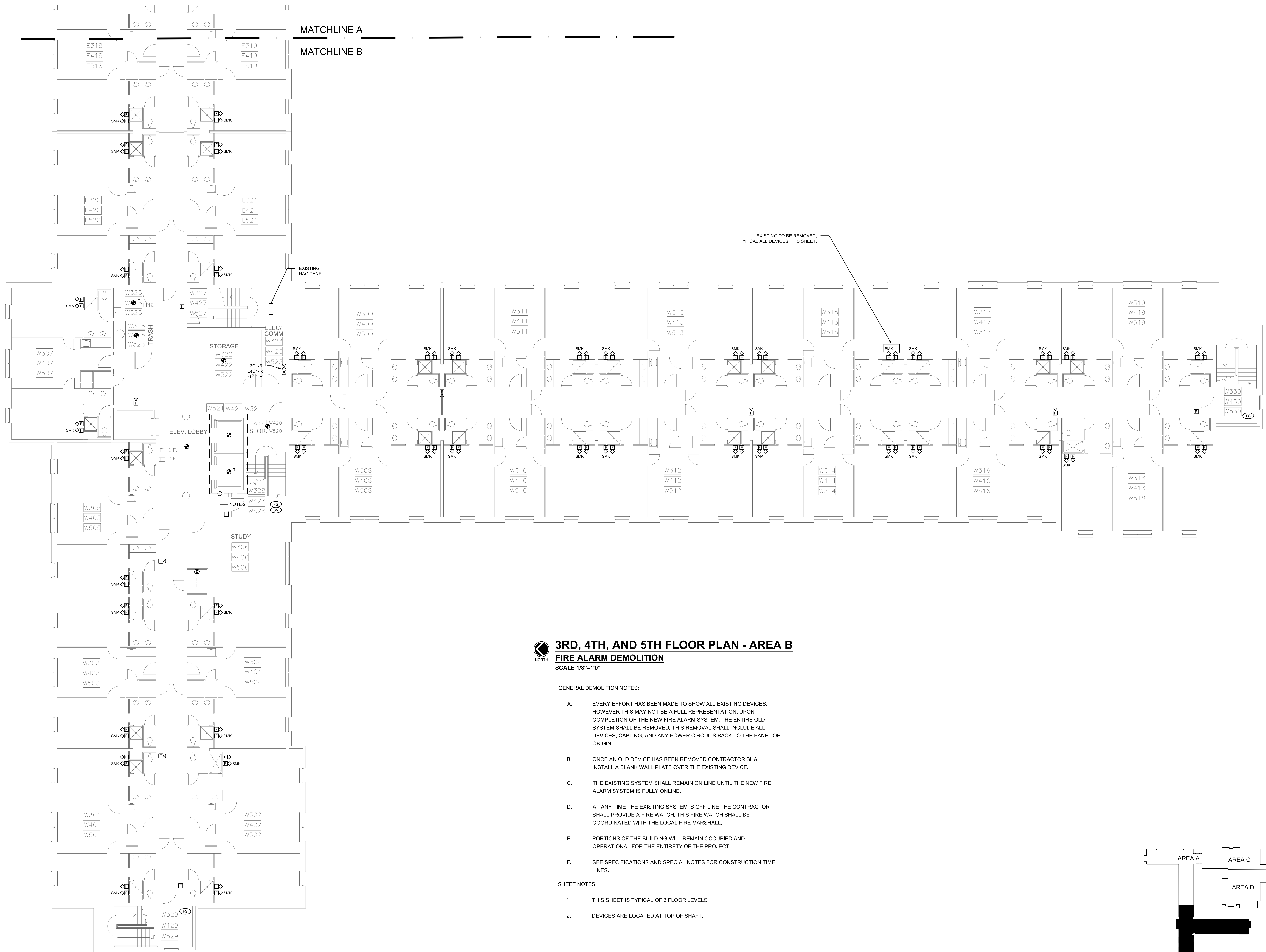
GENERAL DEMOLITION NOTES:

- EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
- ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH. THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
- SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

SHEET NOTES:

- THIS SHEET IS TYPICAL OF 3 FLOOR LEVELS.
- DEVICES ARE LOCATED AT TOP OF SHAFT.





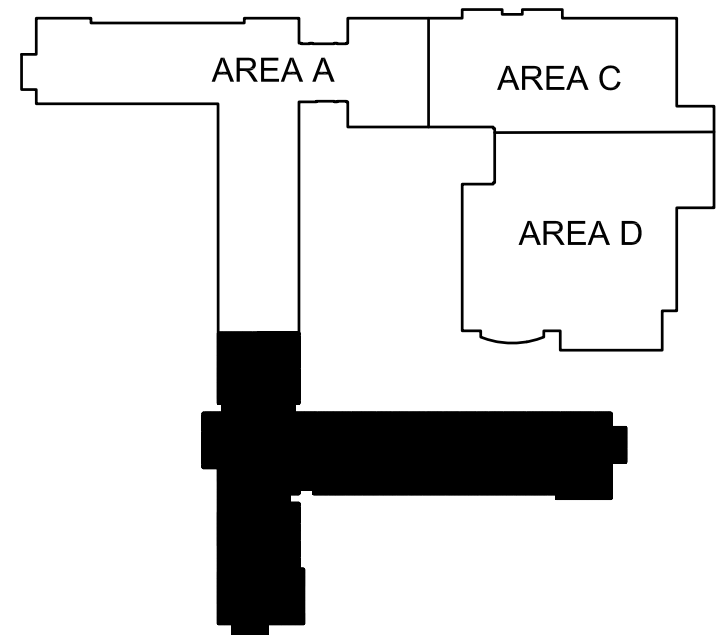
3RD, 4TH, AND 5TH FLOOR PLAN - AREA B
FIRE ALARM DEMOLITION
SCALE 1/8"=1'0"

GENERAL DEMOLITION NOTES:

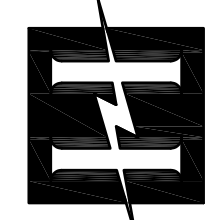
- A. EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING DEVICES. HOWEVER THIS MAY NOT BE A FULL REPRESENTATION. UPON COMPLETION OF THE NEW FIRE ALARM SYSTEM, THE ENTIRE OLD SYSTEM SHALL BE REMOVED. THIS REMOVAL SHALL INCLUDE ALL DEVICES, CABLING, AND ANY POWER CIRCUITS BACK TO THE PANEL OF ORIGIN.
- B. ONCE AN OLD DEVICE HAS BEEN REMOVED CONTRACTOR SHALL INSTALL A BLANK WALL PLATE OVER THE EXISTING DEVICE.
- C. THE EXISTING SYSTEM SHALL REMAIN ON LINE UNTIL THE NEW FIRE ALARM SYSTEM IS FULLY ONLINE.
- D. AT ANY TIME THE EXISTING SYSTEM IS OFF LINE THE CONTRACTOR SHALL PROVIDE A FIRE WATCH. THIS FIRE WATCH SHALL BE COORDINATED WITH THE LOCAL FIRE MARSHALL.
- E. PORTIONS OF THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL FOR THE ENTIRETY OF THE PROJECT.
- F. SEE SPECIFICATIONS AND SPECIAL NOTES FOR CONSTRUCTION TIME LINES.

SHEET NOTES:

1. THIS SHEET IS TYPICAL OF 3 FLOOR LEVELS.
2. DEVICES ARE LOCATED AT TOP OF SHAFT.



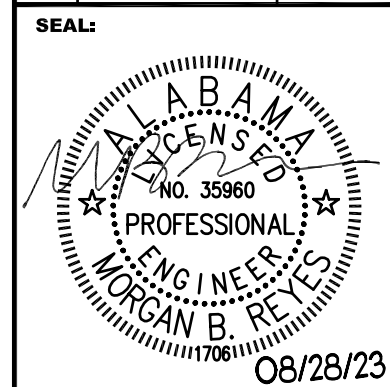
KEY PLAN



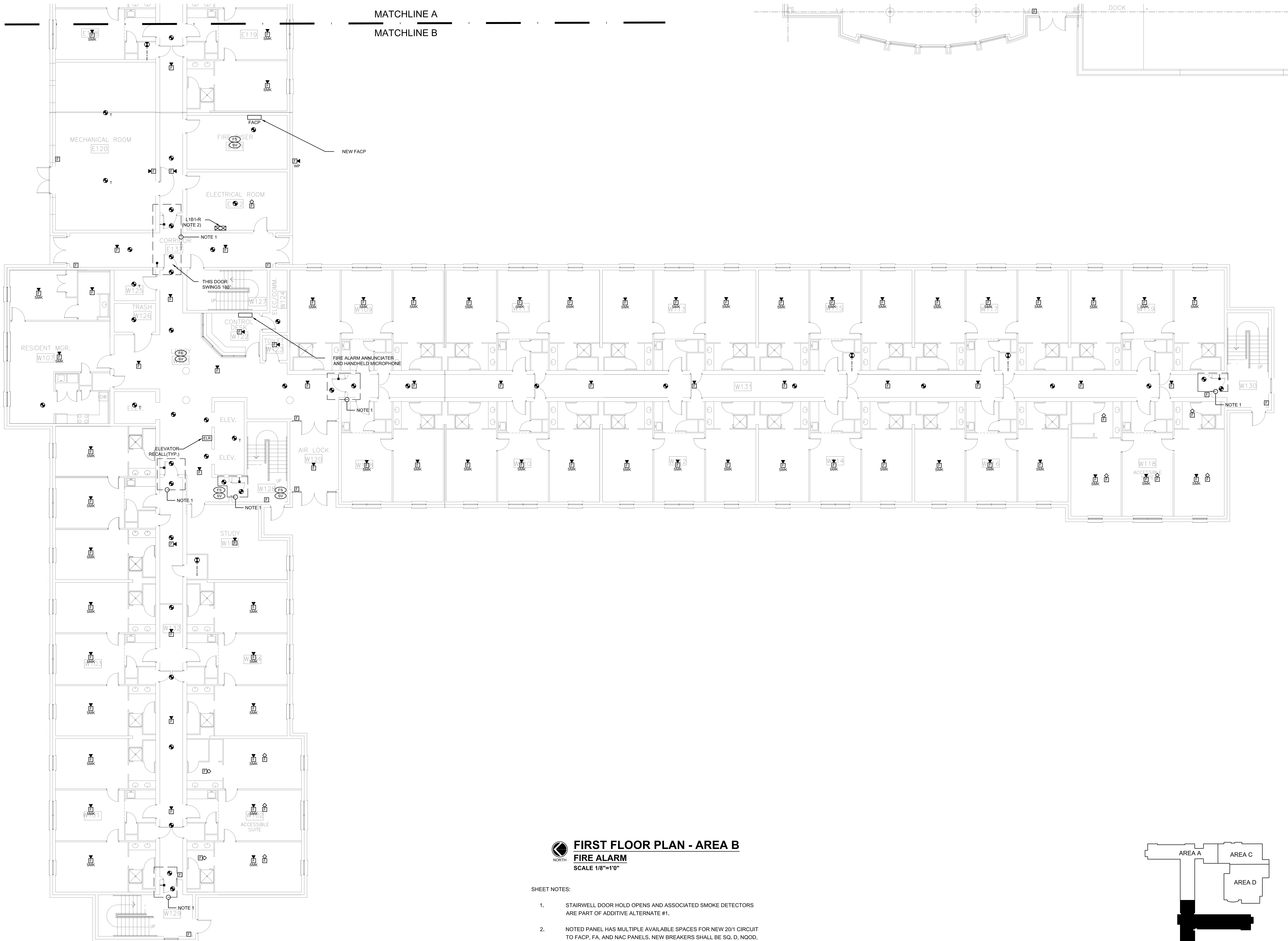
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1525 Piedmont Parkway, Suite 275 • Huntsville, AL 35801
(256) 270-8013 • FAX (256) 982-9911 • info@hyde-eng.com

NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE

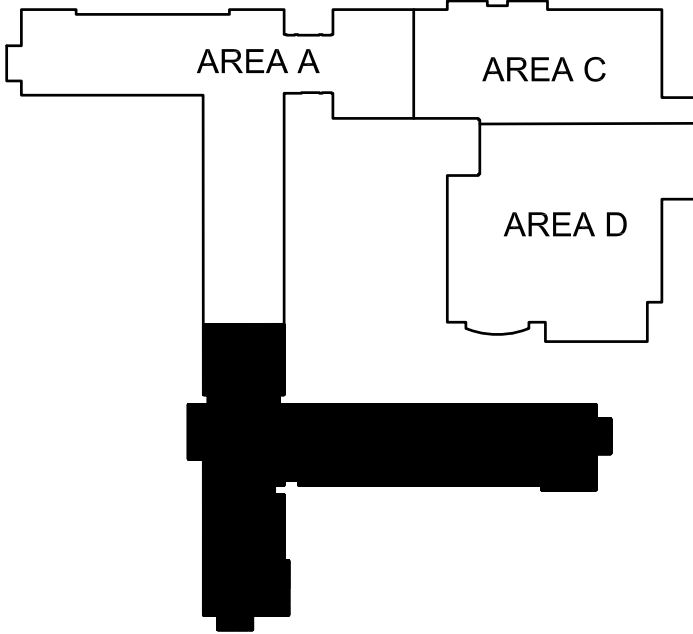


DATE:	08/28/2023
JOB NUMBER:	26236.0
DRAWN BY:	BR
CHECKED BY:	MBR
DRAWING TITLE:	THIRD, FOURTH, & FIFTH FLOOR PLAN - AREA B - FIRE ALARM DEMOLITION
DRAWING NO.	E1.8



FIRST FLOOR PLAN - AREA B
FIRE ALARM
SCALE 1/8"=1'0"

- SHEET NOTES:
1. STAIRWELL DOOR HOLD OPENS AND ASSOCIATED SMOKE DETECTORS ARE PART OF ADDITIVE ALTERNATE #1.
 2. NOTED PANEL HAS MULTIPLE AVAILABLE SPACES FOR NEW 20/1 CIRCUIT TO FACP, FA, AND NAC PANELS. NEW BREAKERS SHALL BE SQ. D, NQOD, 10 KAIC RATED. SEE FIRE ALARM RISER.
 3. CONTRACTOR SHALL USE WIREMOLD ON CEILING OF DORM ROOMS FOR CIRCUITING.

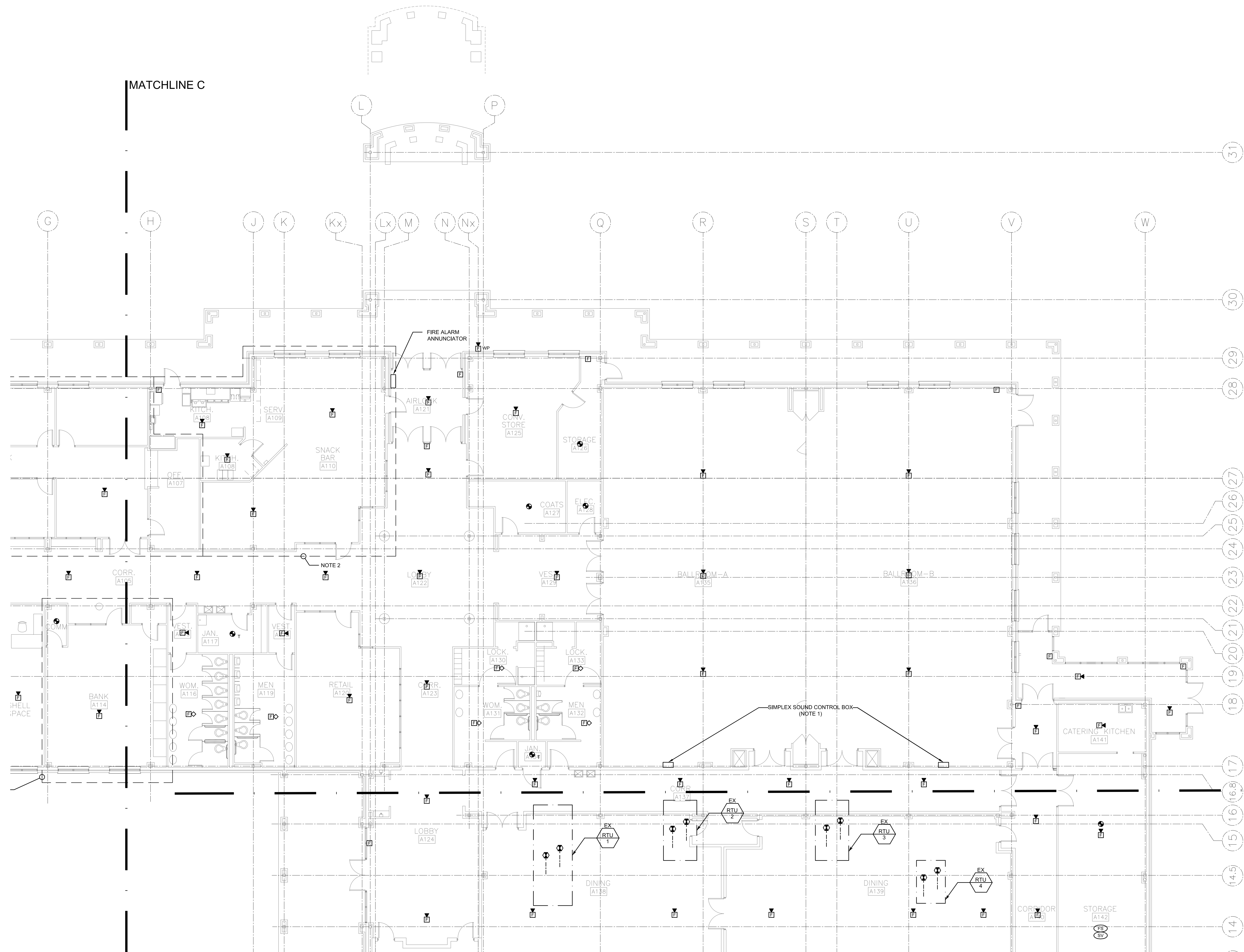


KEY PLAN

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NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE
SEAL:		
DATE: 08/28/2023		
JOB NUMBER: 26236.0		
DRAWN BY: BR		
CHECKED BY: MBR		
DRAWING TITLE: FIRST FLOOR PLAN - AREA B - FIRE ALARM		
DRAWING NO. E2.2		

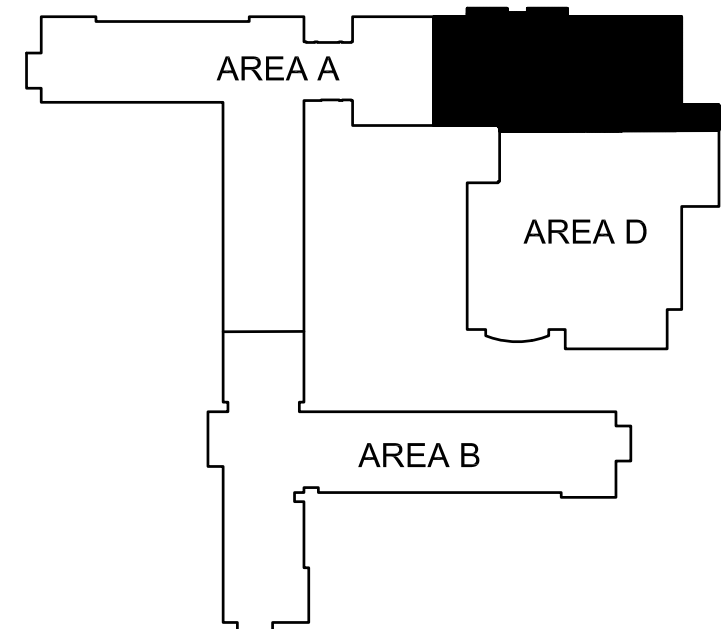


FIRST FLOOR PLAN - AREA C
FIRE ALARM
SCALE 1/8"=1'-0"

SHEET NOTES:


- RECONNECT EXISTING SOUND CONTROL BOX TO FIRE ALARM SYSTEM AS REQUIRED.
- THIS AREA TO REMAIN OCCUPIED FOR THE ENTIRE PROJECT.

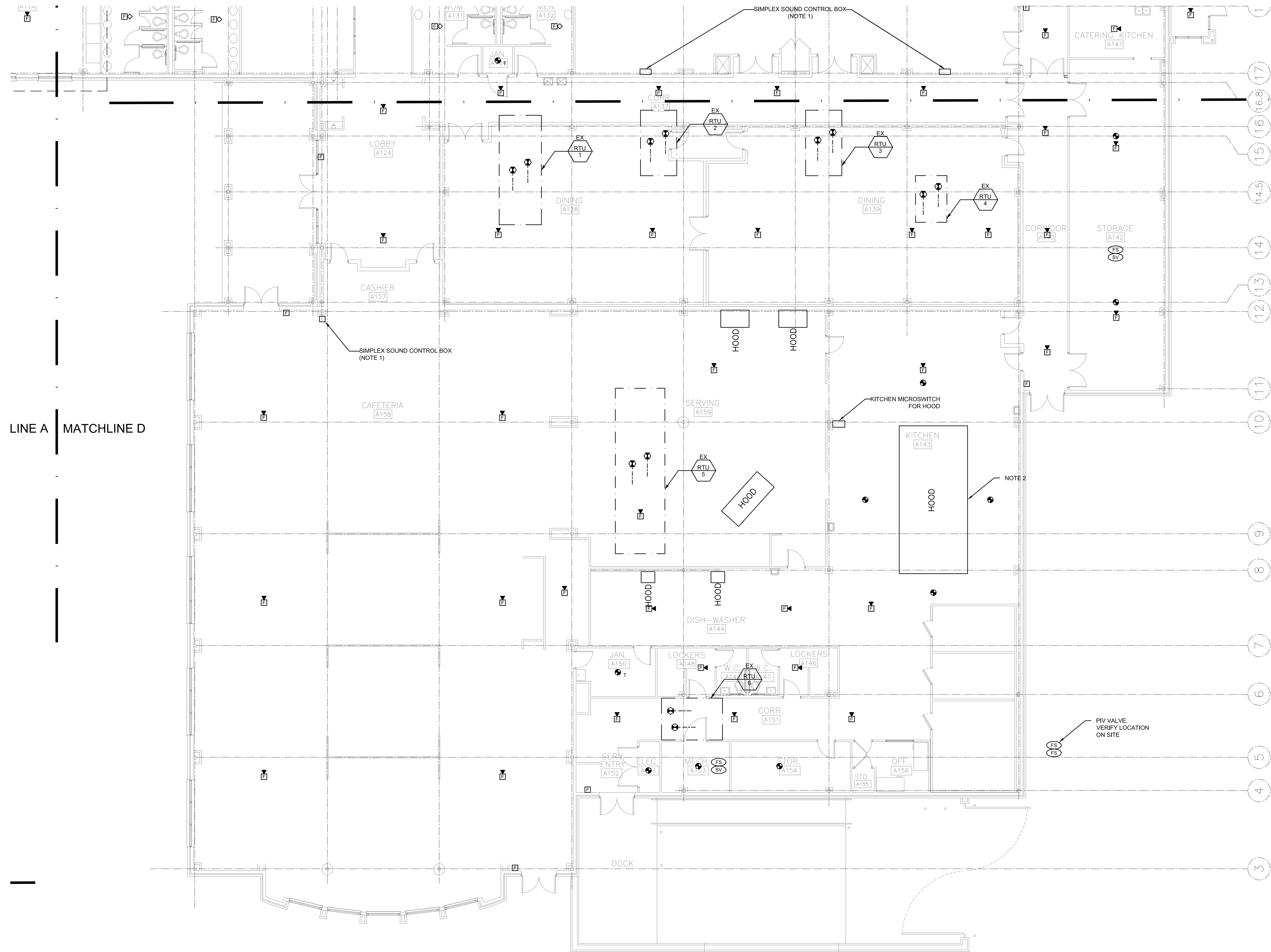
MATCHLINE C
MATCHLINE D



KEY PLAN

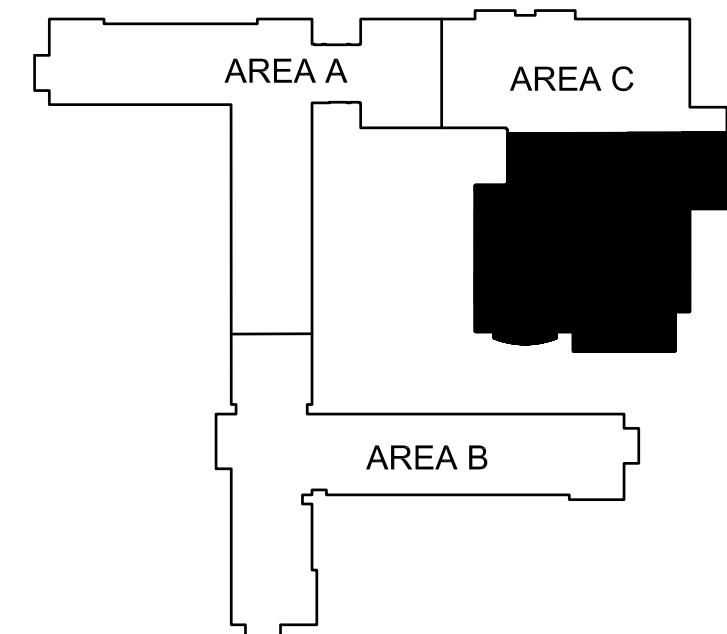
NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE
SEAL:		
		
08/28/23		
DATE:	08/28/2023	
JOB NUMBER:	26236.0	
DRAWN BY:	BR	
CHECKED BY:	MBR	
DRAWING TITLE:	FIRST FLOOR PLAN - AREA C - FIRE ALARM	
DRAWING NO.	E2.3	




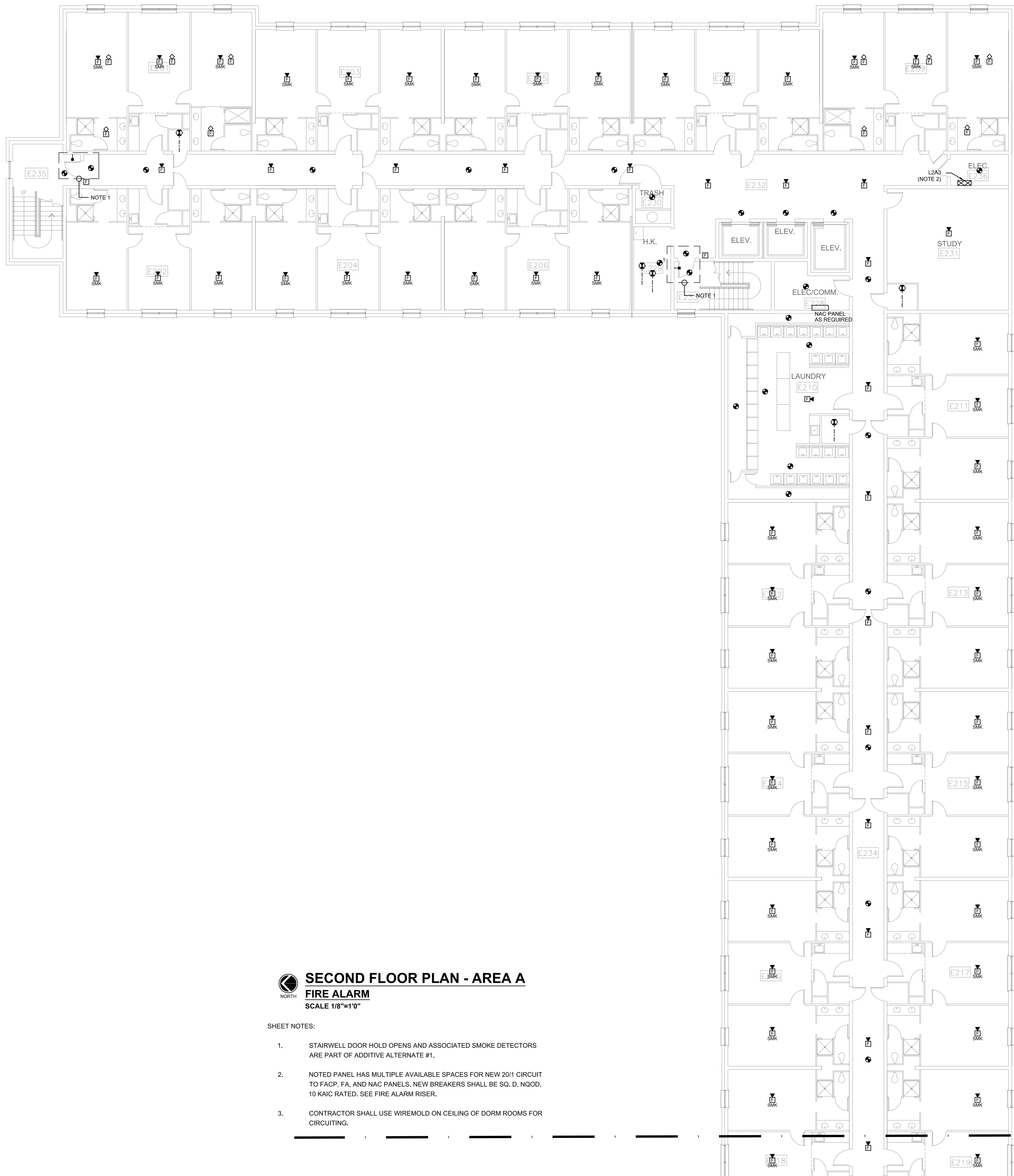
FIRST FLOOR PLAN - AREA D
FIRE ALARM
SCALE 1/8"=1'0"

- SHEET NOTES:
1. RECONNECT EXISTING SOUND CONTROL BOX TO FIRE ALARM SYSTEM AS REQUIRED.
 2. CONNECT EXISTING HOODS TO FIRE ALARM SYSTEM AS REQUIRED.



KEY PLAN

NO.	REVISION	DATE
SEAL:		
		
DATE:	08/28/2023	
JOB NUMBER:	26236.0	
DRAWN BY:	BR	
CHECKED BY:	MBR	
DRAWING TITLE:	FIRST FLOOR PLAN - AREA D - FIRE ALARM	
DRAWING NO.	E2.4	

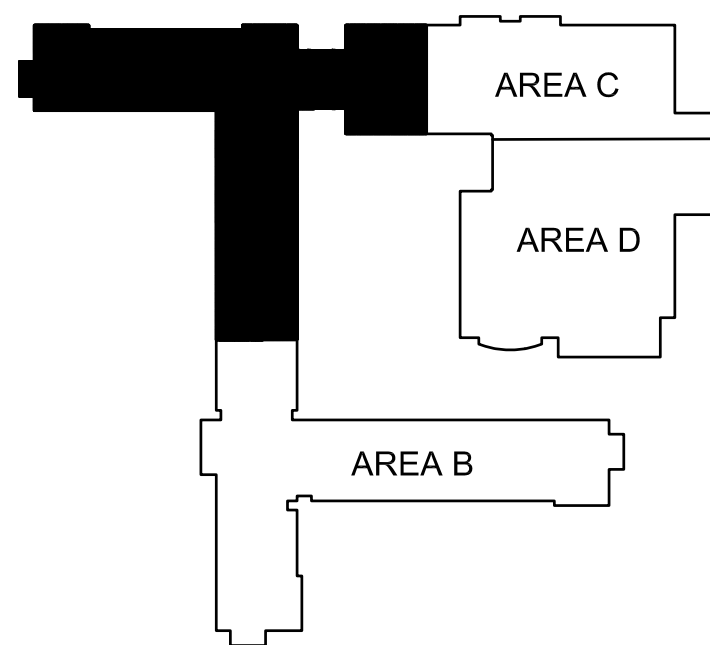


SECOND FLOOR PLAN - AREA A
FIRE ALARM
SCALE 1/8"=1'0"

SHEET NOTES:

- STAIRWELL DOOR HOLD OPENS AND ASSOCIATED SMOKE DETECTORS ARE PART OF ADDITIVE ALTERNATE #1.
- NOTED PANEL HAS MULTIPLE AVAILABLE SPACES FOR NEW 20/1 CIRCUIT TO FACP, FA, AND NAC PANELS. NEW BREAKERS SHALL BE SQ. D, NQOD, 10 KAIC RATED, SEE FIRE ALARM RISER.
- CONTRACTOR SHALL USE WIREMOLD ON CEILING OF DORM ROOMS FOR CIRCUITING.

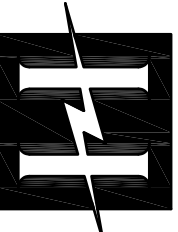
MATCHLINE A
MATCHLINE B



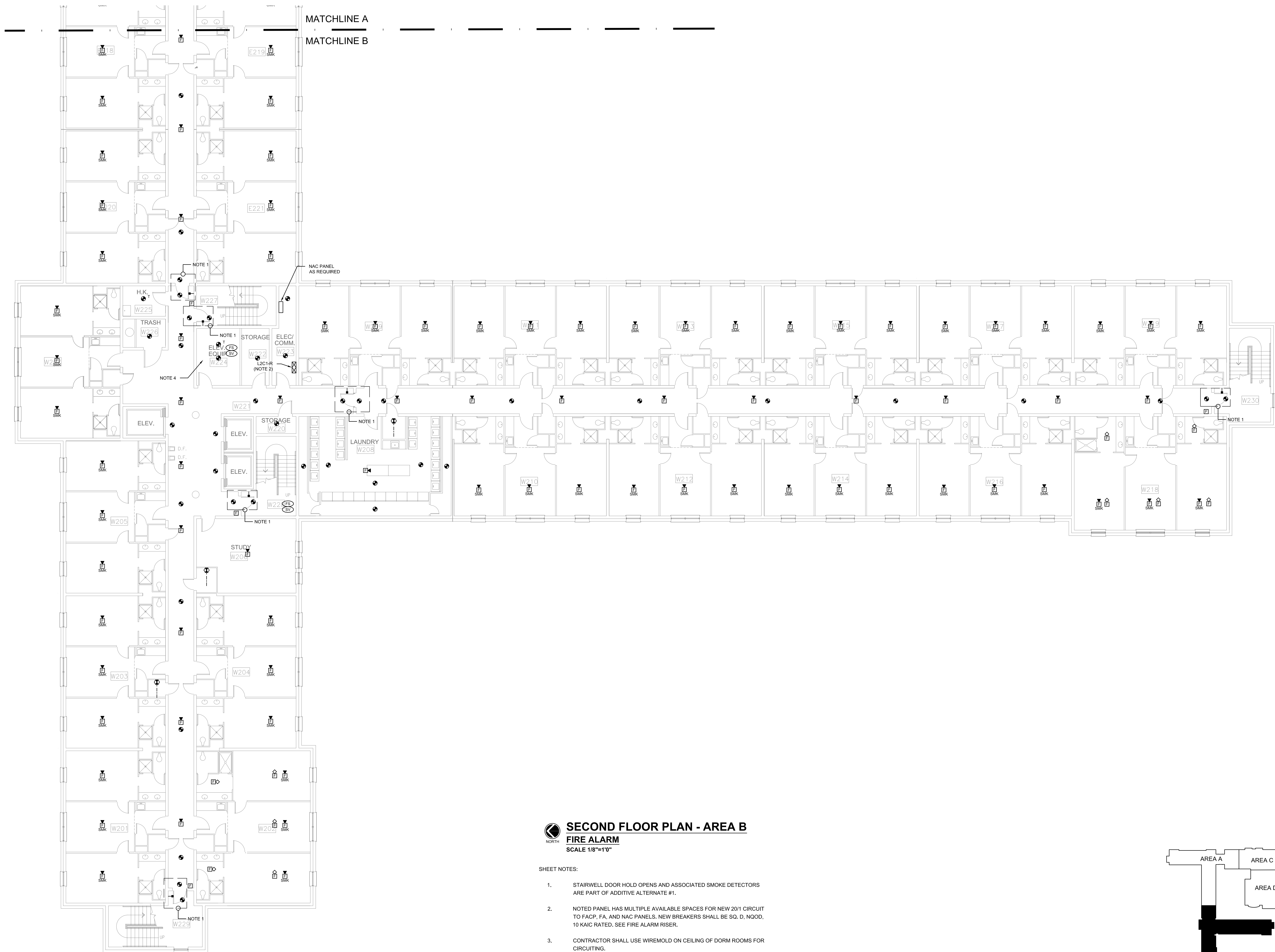
KEY PLAN

NO.	REVISION	DATE
SEAL:		
DATE: 08/28/2023		
JOB NUMBER: 26236.0		
DRAWN BY: BR		
CHECKED BY: MBR		
DRAWING TITLE: SECOND FLOOR PLAN - AREA A - FIRE ALARM		
DRAWING NO. E3.1		

NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY



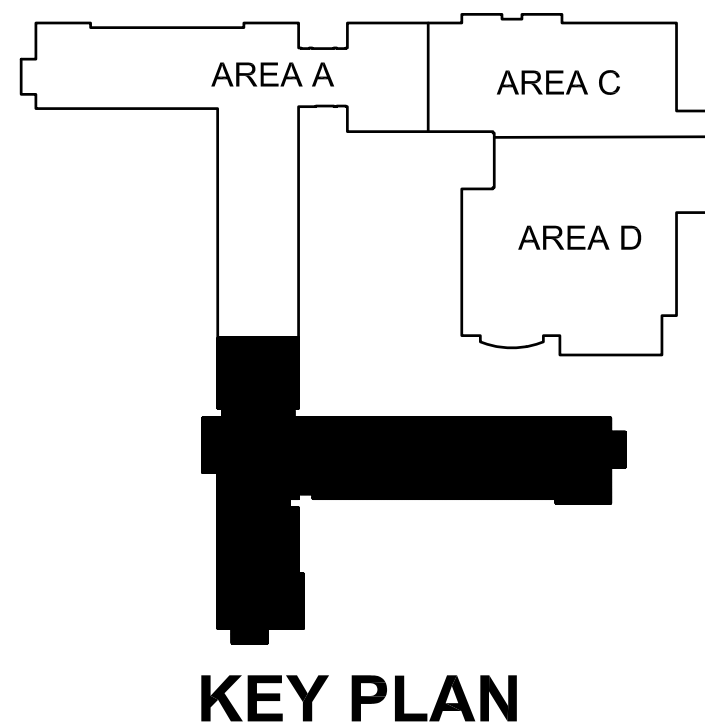
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MATCHLINE A
MATCHLINE B

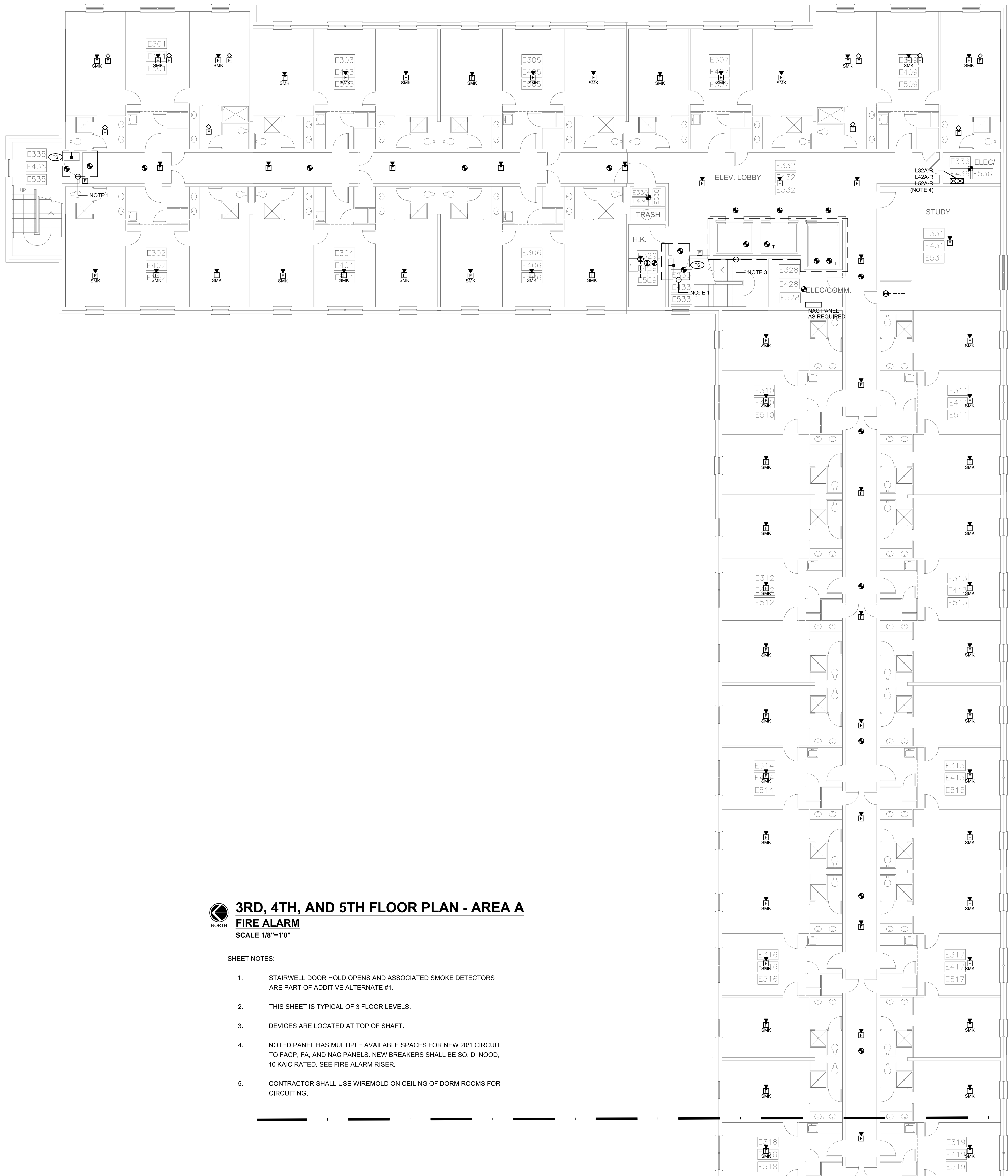
SECOND FLOOR PLAN - AREA B
FIRE ALARM
SCALE 1/8"=1'0"

- SHEET NOTES:
1. STAIRWELL DOOR HOLD OPENS AND ASSOCIATED SMOKE DETECTORS ARE PART OF ADDITIVE ALTERNATE #1.
 2. NOTED PANEL HAS MULTIPLE AVAILABLE SPACES FOR NEW 20/1 CIRCUIT TO FACP, FA, AND NAC PANELS. NEW BREAKERS SHALL BE SQ. D, NQOD, 10 KAIC RATED. SEE FIRE ALARM RISER.
 3. CONTRACTOR SHALL USE WIREMOLD ON CEILING OF DORM ROOMS FOR CIRCUITING.
 4. CONNECT ELEVATOR CONTROLLERS AND SHUNT TRIP TO FIRE ALARM SYSTEM AS REQUIRED.



NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

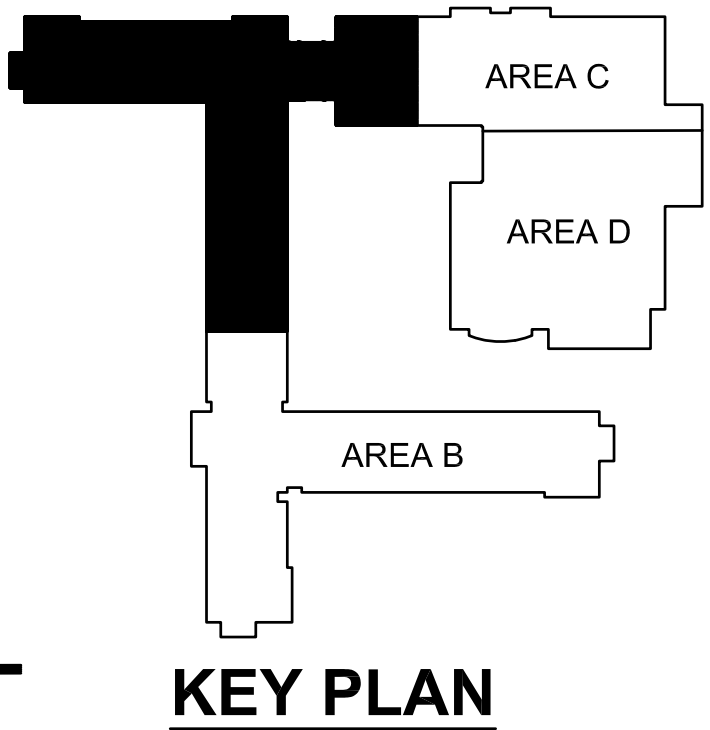
NO.	REVISION	DATE
SEAL:		
DATE:	08/28/2023	
JOB NUMBER:	26236.0	
DRAWN BY:	BR	
CHECKED BY:	MBR	
DRAWING TITLE:	SECOND FLOOR PLAN - AREA B - FIRE ALARM	
DRAWING NO.	E3.2	



3RD, 4TH, AND 5TH FLOOR PLAN - AREA A
FIRE ALARM
SCALE 1/8"=1'0"

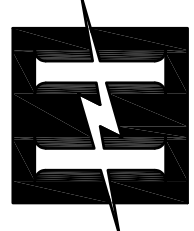
- SHEET NOTES:
1. STAIRWELL DOOR HOLD OPENS AND ASSOCIATED SMOKE DETECTORS ARE PART OF ADDITIVE ALTERNATE #1.
 2. THIS SHEET IS TYPICAL OF 3 FLOOR LEVELS.
 3. DEVICES ARE LOCATED AT TOP OF SHAFT.
 4. NOTED PANEL HAS MULTIPLE AVAILABLE SPACES FOR NEW 20/1 CIRCUIT TO FACP, FA, AND NAC PANELS. NEW BREAKERS SHALL BE SQ. D, NQOD, 10 KAIC RATED. SEE FIRE ALARM RISER.
 5. CONTRACTOR SHALL USE WIREMOLD ON CEILING OF DORM ROOMS FOR CIRCUITING.

MATCHLINE A
MATCHLINE B

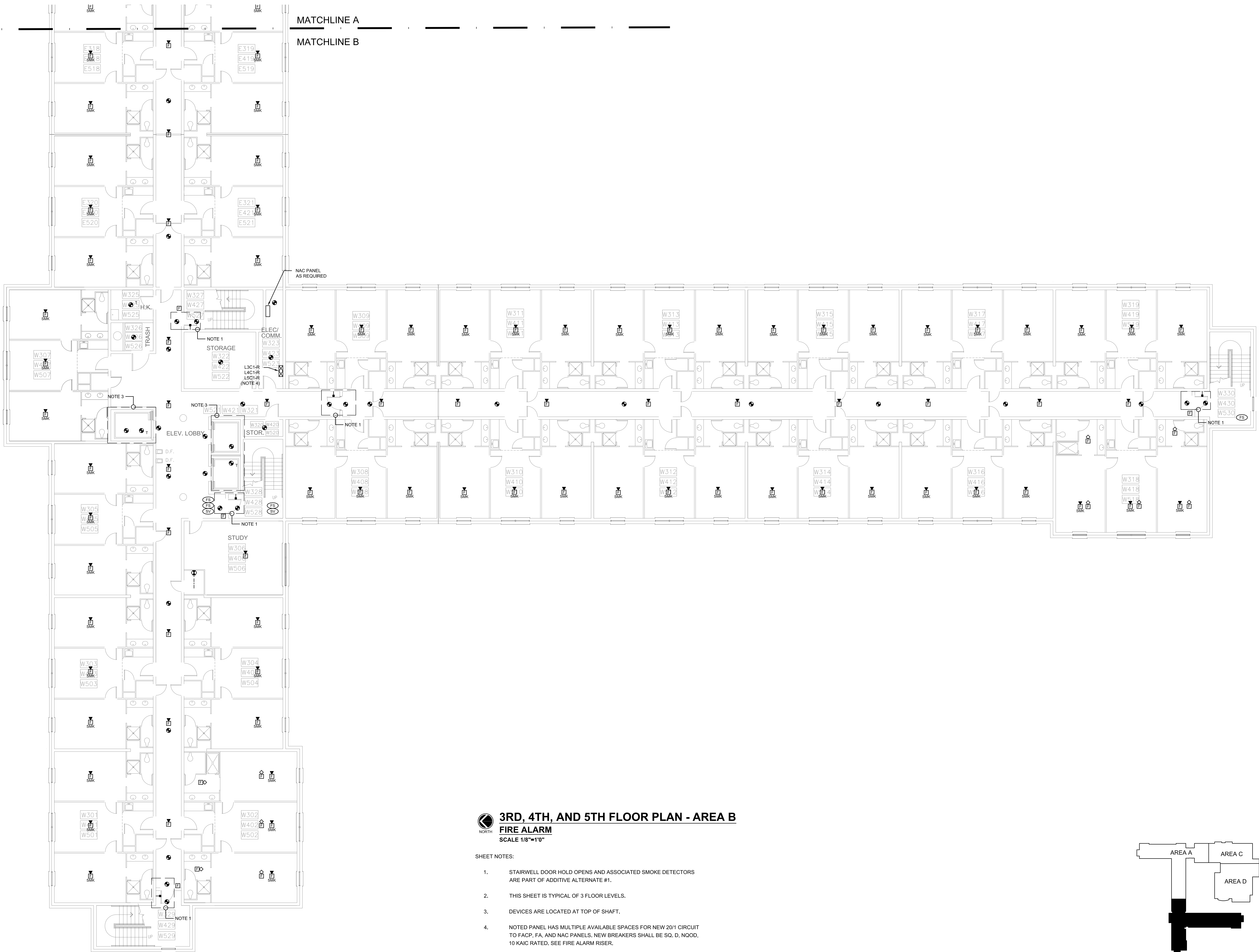


NEW FIRE ALARM SYSTEM FOR ERNEST KNIGHT LIVING AND LEARNING COMPLEX
ALABAMA A&M UNIVERSITY

NO.	REVISION	DATE
SEAL:		
DATE: 08/28/2023		
JOB NUMBER: 26236.0		
DRAWN BY: BR		
CHECKED BY: MBR		
DRAWING TITLE: THIRD, FOURTH, & FIFTH FLOOR PLAN - AREA A - FIRE ALARM		
DRAWING NO. E4.1		



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MATCHLINE A
MATCHLINE B

NAC PANEL
AS REQUIRED

NOTE 1

STORAGE

W322

W323

W324

W325

W326

W327

W328

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W330

W331

W332

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