

**Wake County Public School System
RAND ROAD ELEMENTARY SCHOOL
FIRE ALARM REPLACEMENT**

ADDENDUM NO. 2

DATE: October 26, 2022

PROJECT: Wake County Public School System
Rand Road Elementary School
Fire Alarm Replacement

OWNER: Wake County Public School System
1551 Rock Quarry Road, Building A, Raleigh, NC 27610

ENGINEER: Dewberry Engineers Inc.
2610 Wycliff Road, Suite 410, Raleigh, NC 27607

This Addendum, applicable to the work designated herein, shall be understood to be and is an Addendum to the contract documents and, as such, shall become a part of and included in the contract.

1. Please refer to Advertisement for Bids: The project bid date has been delayed one week for drawing revisions. **Bids will be opened now on Tuesday, November 7th at 2:00pm** at 1551 Rock Quarry Road, Building A, Raleigh, NC 27610

Drawings:

1. Sheets FA201, FA202, FA203, & FA204 were revised to remove full smoke detector coverage in the core area of the building. Note that, full coverage is still required in the classroom wings. Additional exterior notification devices were added. The intercom system shut-down relay was added to the plans.

Specifications:

1. Advertisement for Bids – See note above.
2. Supplementary Conditions – Article 8: Revise schedule dates as follows: bid date to November 7th, 2023.
 - A. Open Bids: November 7, 2023
 - B. Notice of Intent to Award: November 8, 2023
 - C. Return of Owner Contractor Agreement by Contractor: November 22, 2023
 - D. Notice to Proceed: January 9, 2024
 - E. Substantial Completion: September 11, 2024
 - F. Final Completion: October 9, 2024

Clarifications:

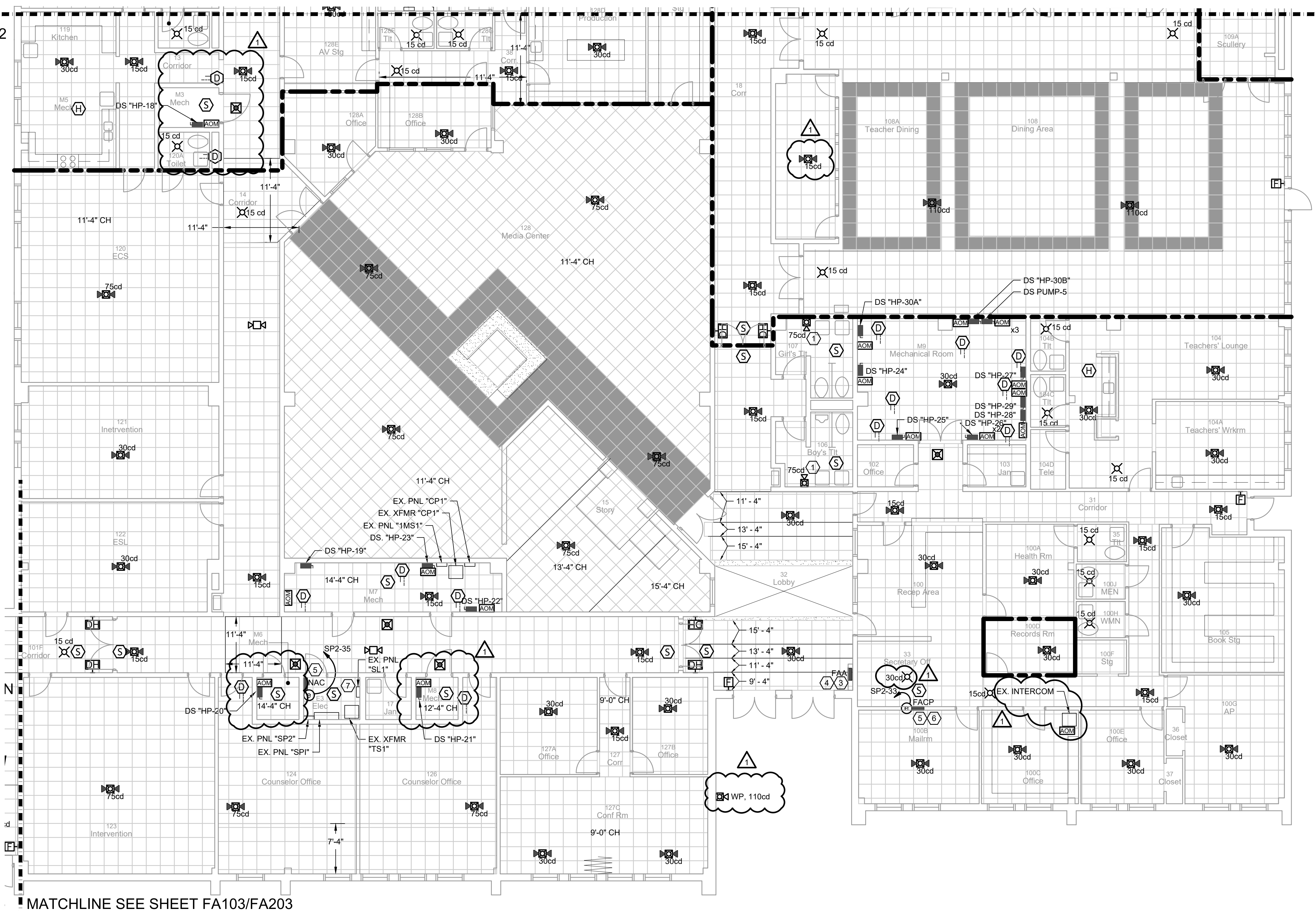
1. No Clarifications.

Attached Documents:

1. FA201 – Revision 1
2. FA202 – Revision 1
3. FA203 – Revision 1
4. FA204 – Revision 1

End of Addendum No. 2

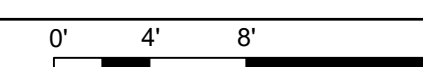
SHEET FA102/FA202



MATCHLINE SEE SHEET FA103/FA203

1 SOUTHERN CORE FLOOR PLAN - NEW WORK

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



GENERAL NOTES:

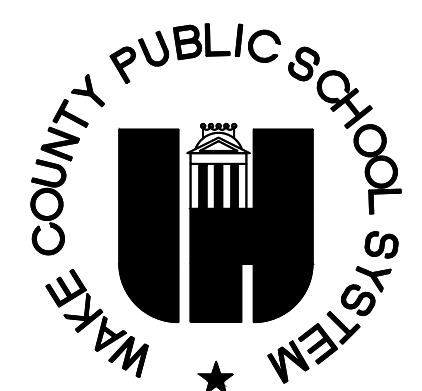
- CORE AREA HAS BEEN DESIGNED WITH DUCT MOUNTED SMOKE DETECTORS PER NC MECHANICAL CODE SECTION 606.2.1.
- CLASSROOM WINGS HAVE BEEN DESIGNED WITHOUT DUCT MOUNTED SMOKE DETECTORS PER NC MECHANICAL CODE 606.2.1 EXCEPTION BOTH CLASSROOM WINGS HAVE FULL SMOKE DETECTOR COVERAGE.
- ALL PULL STATIONS NEED TO MEET THE MOUNTING HEIGHTS AS SPECIFIED ON SHEET 501. CONTRACTOR SHALL FIELD-VERIFY ALL PULL STATION MOUNTING HEIGHTS. CONTRACTOR SHALL MAKE ANY AND ALL APPROPRIATE MOUNTING HEIGHT CHANGES.
- ALL CLASSROOMS, CORRIDORS, AND GANG TOILETS HAVE ACT TILE CEILINGS UNLESS OTHERWISE NOTED OR INDICATED ON PLANS. MECHANICAL AND ELECTRICAL ROOMS DO NOT HAVE CEILINGS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING NEW DEVICES WITH EXISTING SYSTEMS, INCLUDING BUT NOT LIMITED TO, DOOR HARDWARE, CEILING AND WALL FINISHES.

KEYED NOTES:

- CONTRACTOR SHALL FISH THROUGH EXISTING WALL AND ROUTE NEW CONDUIT ABOVE CEILING. REPAIR, PATCH, AND PAINT GYPSUM BOARD WALL FOR FIRE ALARM INSTALLATION.
- COORDINATE FIRE ALARM DEVICE LOCATION WITH EXISTING GYMNASIUM AND HALLWAY SIGNAGE.
- FIRE ALARM ANNUNCIATOR SHALL BE SURFACE MOUNTED ON EXISTING WALL. CONTRACTOR SHALL PROVIDE A SKIRT BELOW SURFACE MOUNTED PANEL FOR ADA COMPLIANCE. SKIRT SHALL RUN LENGTH OF WALL, BE AS DEEP AS SURFACE MOUNT PANEL, AND SHALL RUN FROM THE FLOOR TO THE BOTTOM OF THE PANEL. PAINT NEW SKIRT TO MATCH EXISTING WALL COLOR AND PATTERN.
- SPEAKER SHUNT FOR LOCAL OPERATING CONSOLE AT ANNUNCIATOR PANEL.
- PROVIDE NEW BRANCH CIRCUITS, CIRCUIT BREAKERS, AND BREAKER LOCKS TO POWER NAC AND FIRE ALARM PANEL PROVIDE NEW BREAKERS IN EXISTING 225A, 208/120V, 3PH, 4W, 10KAIC, A-SERIES GE PANEL NAMED "SP2". MATCH NEW BREAKER TO EXISTING GE TYPE THOB 20A, 1P, BREAKERS IN EXISTING PANEL SP2. PROVIDE TWO (2) NEW NACS TO SERVE THE SOUTHERN CORE AND CLASSROOMS, RESPECTIVELY.
- NEW FIRE ALARM PANEL SHALL BE INSTALLED RECESSED IN A FURRED OUT STUD-WALL. WALL SHALL BE PARTIAL HEIGHT UP TO TOP OF WHITE CMU PORTION OF WALL, APPROXIMATELY 88" TALL. PROVIDE ALL CABLING IN WIRE MOLD ON INSIDE OF DINNING, AND PUNCH ABOVE SHEET ROCK TO LAY-IN TILE. RETURN TO EXISTING WALL SHALL BE AT AN ANGLE (I.E. NOT FLAT ON TOP). ABOVE PROVIDE WALL BASE AND PAINT MAIL ROOM 100B IN SHERMAN WILLIAMS WHITE TO MATCH EXISTING HALLWAY COLOR. FINAL LOCATION TO BE DETERMINED BY OWNER PRIOR TO ROUGH-IN.
- REPLACE EXISTING MECHANICAL EXHAUST FAN, EF-22, 120V, 1PH, 1/125HP. DEMOLISH EXISTING FAN AND REPLACE WITH NEW FAN. CONTRACTOR SHALL FIELD VERIFY FAN SIZE, HP, AND VOLTAGE.



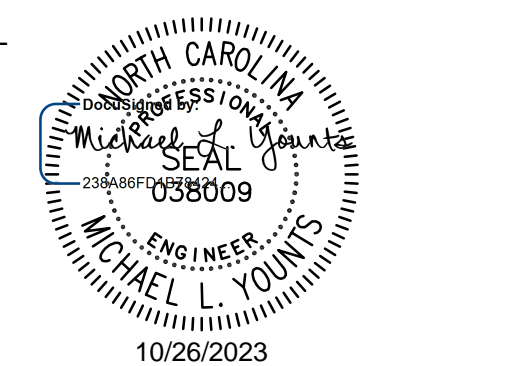
Dewberry Engineers Inc.
2010 Wycliff Road
Suite 410
RALEIGH, NC 27607-3073
PHONE: 919.981.9939
NC LICENSE No. - F-0929



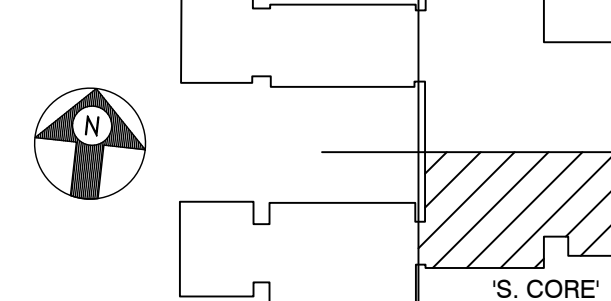
1429 ROCK QUARRY ROAD, SUITE 116
RALEIGH, NORTH CAROLINA 27610

FIRE ALARM UPGRADES
RAND ROAD
ELEMENTARY SCHOOL
WAKE COUNTY PUBLIC
SCHOOL SYSTEM
RALEIGH, NC
WCPSS PROJECT #####

SEAL



KEY PLAN



No.	DATE	BY	Description
1	10.26.23	MH	ADD #2

REVISIONS

DRAWN BY	JGW
DESIGNED BY	MEH
CHECKED BY	MLY
DATE	10.01.2023

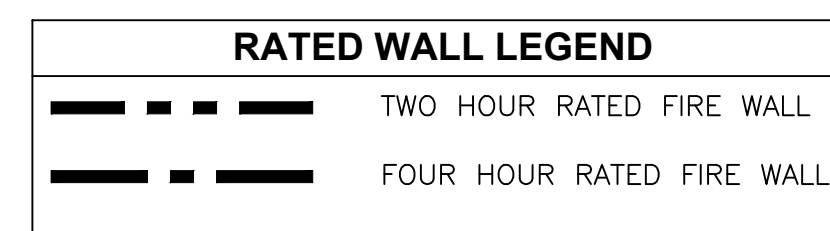
TITLE

FIRE ALARM
NEW WORK PLAN
SOUTHERN CORE

PROJECT NO. 50162999

FA201
SHEET NO.

FULL SMOKE DETECTOR COVERAGE
REMOVED REPLACED WITH DUCT DETECTORS

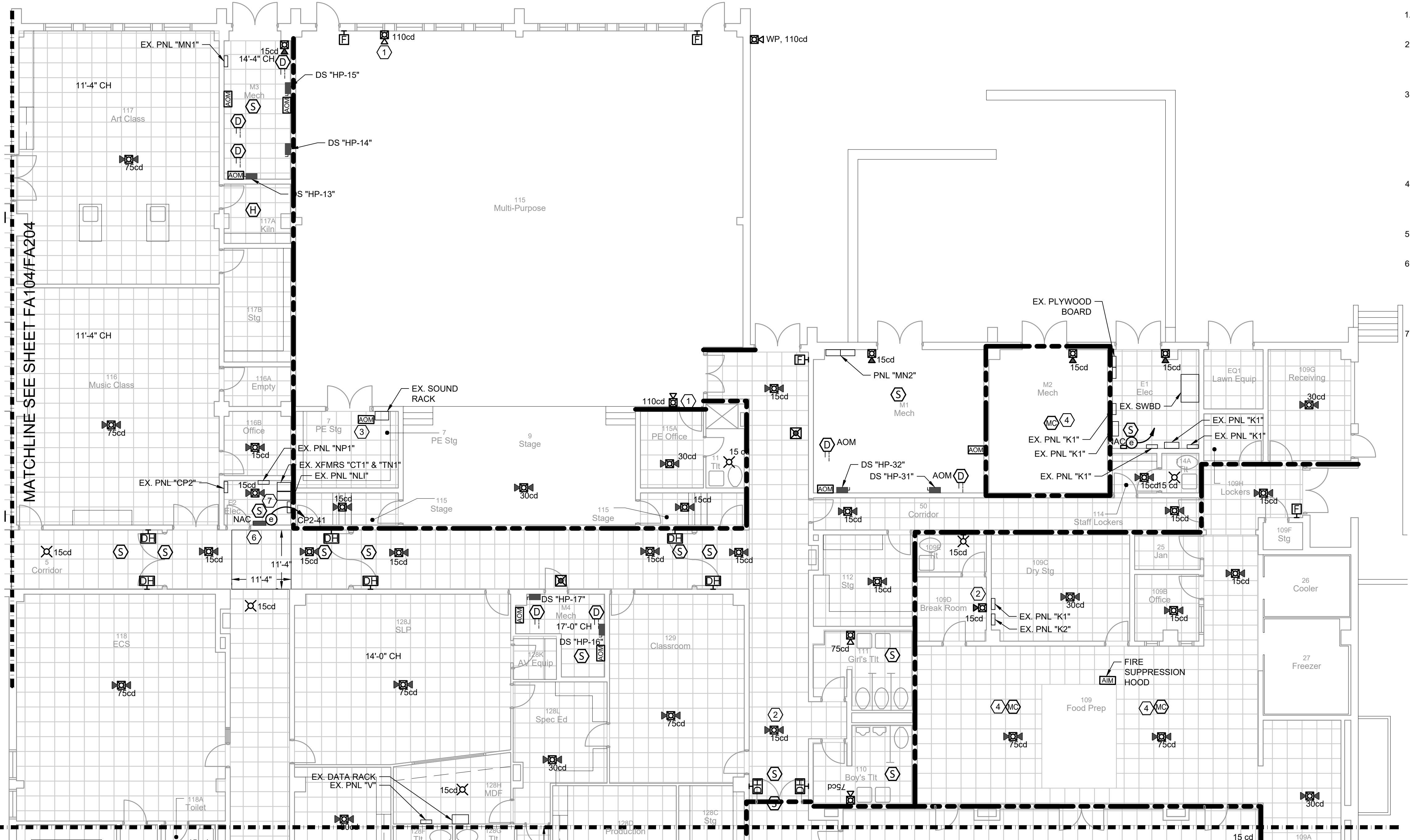


GENERAL NOTES:

1. REFER TO SHEET FA101 FOR ADDITIONAL GENERAL NOTES.

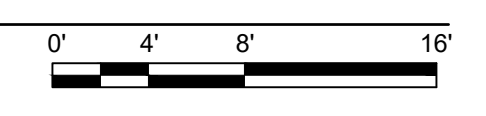
KEYED NOTES: (H)

- 1. PROVIDE WIRE GUARDS FOR NEW FIRE ALARM DEVICES IN GYMNASIUM.
- 2. CONTRACTOR SHALL FISH THROUGH EXISTING WALL AND ROUTE NEW CONDUIT ABOVE CEILING. REPAIR, PATCH, AND PAINT GYPSUM BOARD WALL FOR FIRE ALARM INSTALLATION.
- 3. PROVIDE FIRE ALARM RELAY AT EXISTING PERFORMANCE SOUND SYSTEM RACK (FIELD COORDINATE EXACT LOCATION). RELAY SHALL INTERRUPT POWER TO THE SOUND SYSTEM DURING AN ALARM CONDITION. PROVIDE A POWER CONTROL MODULE AT SOUND RACK TO ACCOMPLISH THIS (BASIS OF DESIGN: LOWELL #RPC-20-CD).
- 4. PROGRAM MULTI-CRITERIA DETECTOR FOR HEAT AND CARBON MONOXIDE DETECTION ONLY. DO NOT PROGRAM FOR SMOKE DETECTION.
- 5. REPAIR, PATCH, AND PAINT GYPSUM BOARD CEILING FOR FIRE ALARM INSTALLATION.
- 6. PROVIDE TWO NAC PANELS TO SERVE NORTHERN CLASSROOM WING AND NORTHERN CORE. CONNECT PANELS TO EXISTING SPARE BREAKER IN PANEL CP2. CONTRACTOR SHALL FIELD VERIFY EXISTING SPARE BEFORE FINAL INSTALLATION AND PROVIDE BREAKER LOCK.
- 7. REPLACE EXISTING MECHANICAL EXHAUST FAN, EF-27, 120V, 1PH, 1/125HP. DEMOLISH EXISTING FAN AND REPLACE WITH NEW FAN. CONTRACTOR SHALL FIELD VERIFY FAN SIZE, HP, AND VOLTAGE.



SHEET FA101/FA101

1 NORHTERN CORE FLOOR PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"



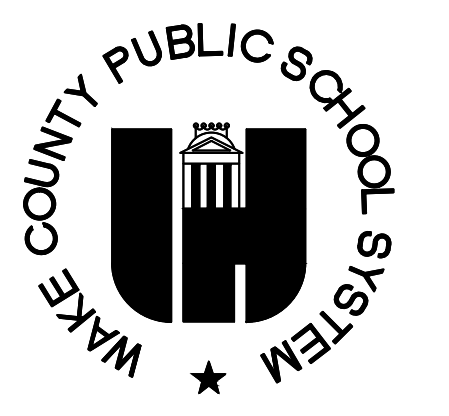
FULL SMOKE DETECTOR COVERAGE
 REMOVED REPLACED WITH DUCT DETECTORS

RATED WALL LEGEND

	TWO HOUR RATED FIRE WALL
	FOUR HOUR RATED FIRE WALL



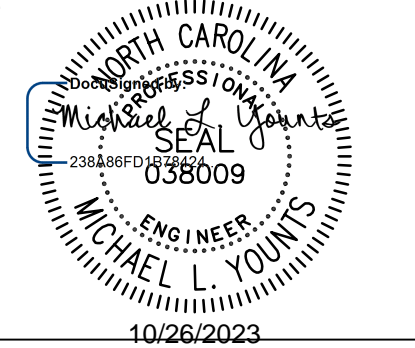
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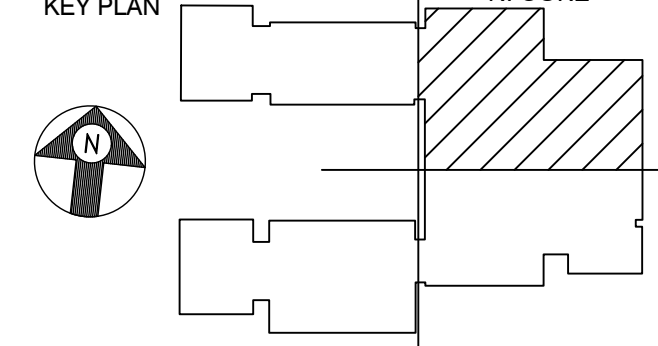
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 RALEIGH, NORTH CAROLINA 27610

FIRE ALARM UPGRADES
RAND ROAD
ELEMENTARY SCHOOL
WAKE COUNTY PUBLIC
SCHOOL SYSTEM
 RALEIGH, NC
 WCPSS PROJECT #####

SEAL



KEY PLAN



No.	DATE	BY	Description
1	10.26.23	MH	ADD #2

REVISIONS

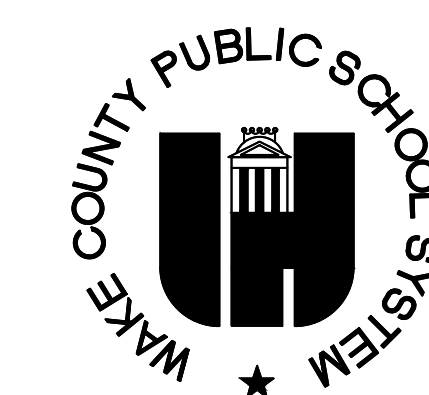
DRAWN BY: MEH
 DESIGNED BY: JGW
 CHECKED BY: MLY
 DATE: 10.01.2023

TITLE
FIRE ALARM
NEW WORK PLAN
NORTHERN CORE

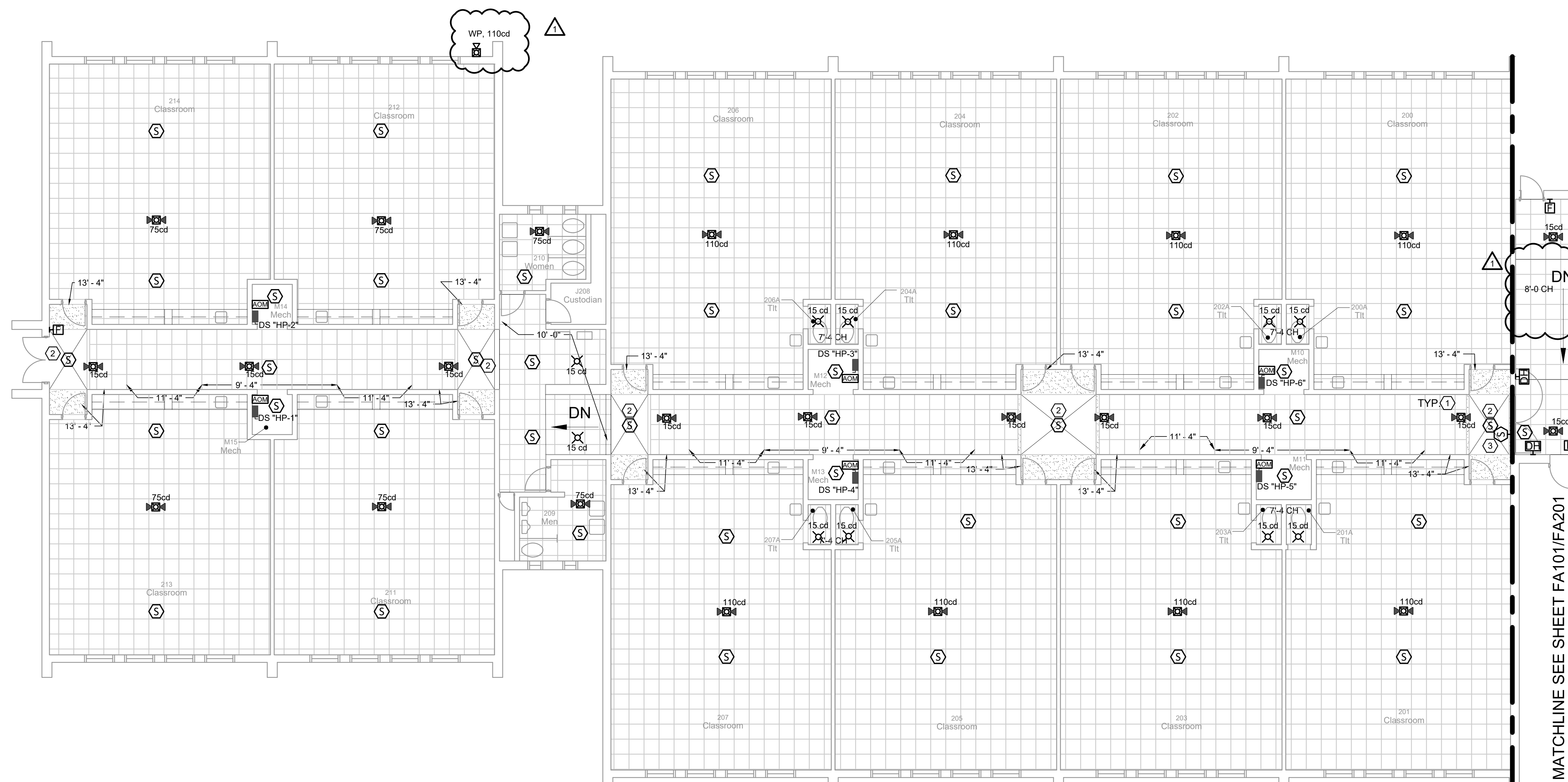
PROJECT NO. 50162999

FA202

SHEET NO.



FIRE ALARM UPGRADES
RAND ROAD
ELEMENTARY SCHOOL
WAKE COUNTY PUBLIC
SCHOOL SYSTEM
 RALEIGH, NC
 WCPSS PROJECT #####



1 SOUTHERN CLASSROOMS FLOOR PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"



MATCHLINE SEE SHEET FA101/FA201

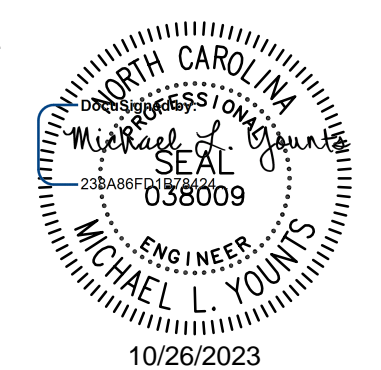
GENERAL NOTES:

- SEE SHEET FA201 FOR ADDITIONAL GENERAL NOTES.

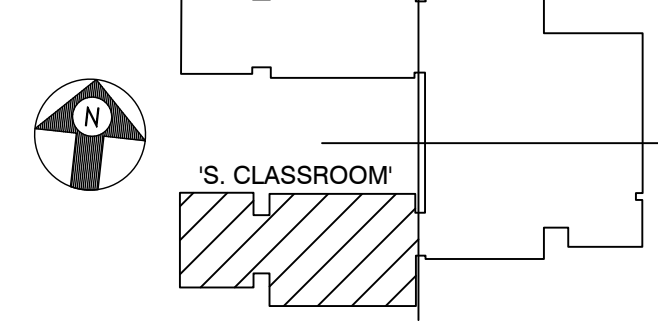
KEYED NOTES: (#)

- FIRE ALARM CONDUITS SHALL NOT BE ROUTED ABOVE GYP-BOARD CEILING AREAS. CONDUIT RUNS DOWN THE HALLWAY SHALL BE ROUTED THROUGH THE CLASSROOMS
- PROVIDE NEW SMOKE DETECTOR IN CLERESTORY. MOUNT SMOKE DETECTOR ON GYPSUM CEILING. TURN OUT AND UP FROM ABOVE ACT TILE CEILING TO DEVICE LOCATION. SURFACE MOUNTED CONDUIT IS ALLOWED WITHIN THE CLERESTORY ONLY AND SHALL NOT BE USED EXPOSED ON GYP-BOARD CEILING AREAS VISIBLE FROM BELOW. REFER TO DETAIL BELOW FOR ADDITIONAL INFORMATION
- CONTRACTOR SHALL FISH THROUGH EXISTING WALL AND ROUTE NEW CONDUIT ABOVE CEILING. REPAIR, PATCH, AND PAINT GYPSUM BOARD WALL FOR FIRE ALARM INSTALLATION.

SEAL



KEY PLAN



No.	DATE	BY	Description
1	10.26.23	MH	ADD #2
REVISIONS			

DRAWN BY: JGW
 DESIGNED BY: MEH
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TITLE
FIRE ALARM
NEW WORK PLAN
SOUTHERN
CLASSROOMS

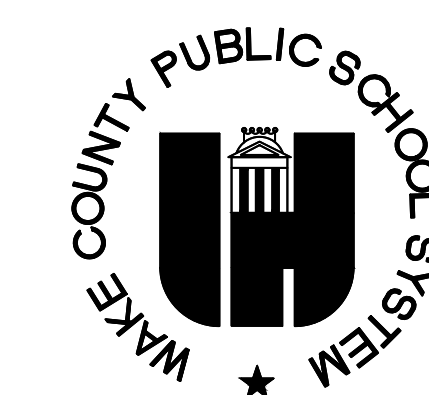
PROJECT NO. 50162999

RATED WALL LEGEND

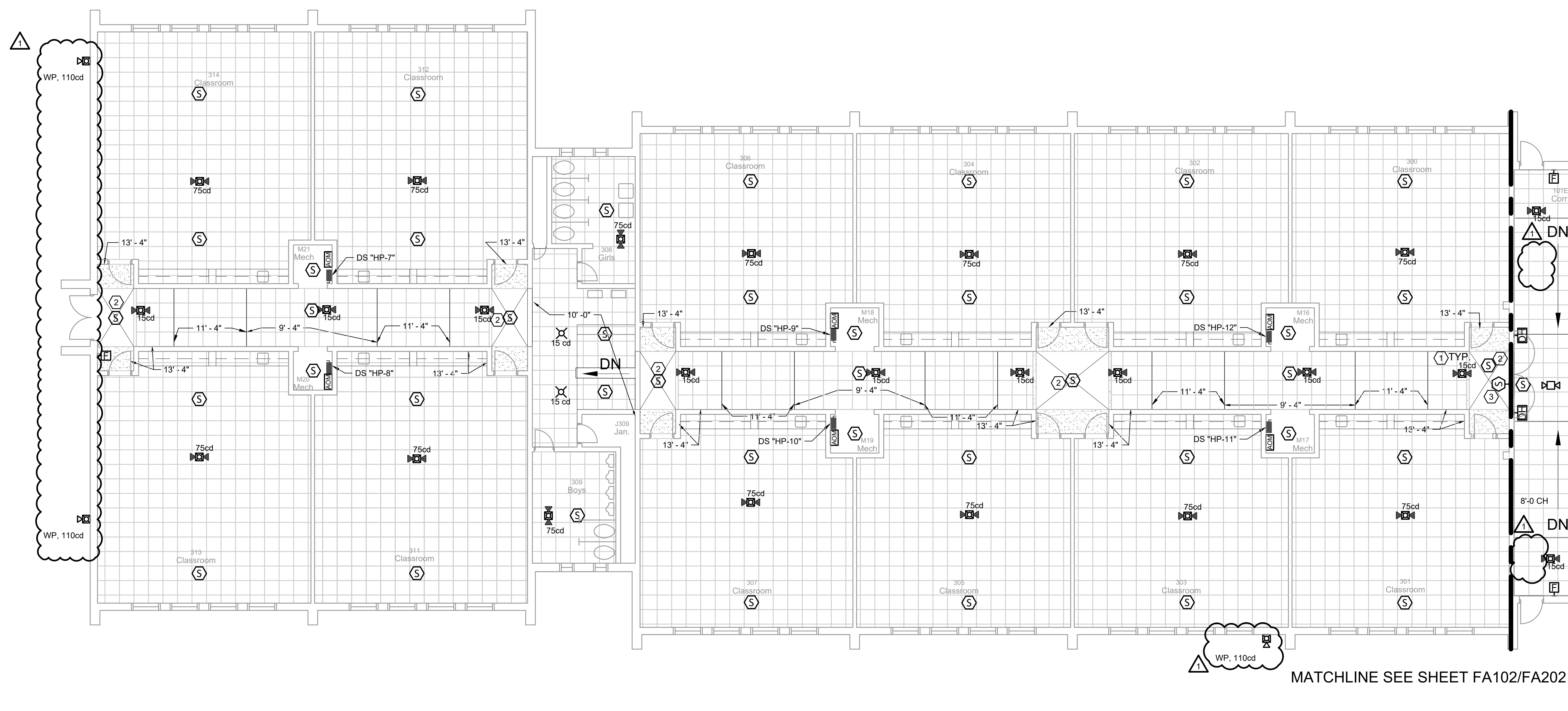
	TWO HOUR RATED FIRE WALL
	FOUR HOUR RATED FIRE WALL

FA203

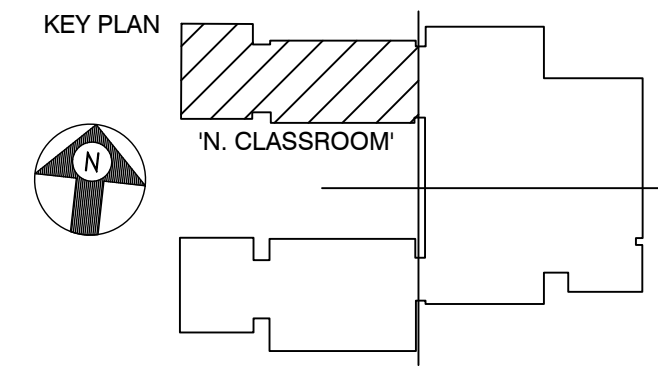
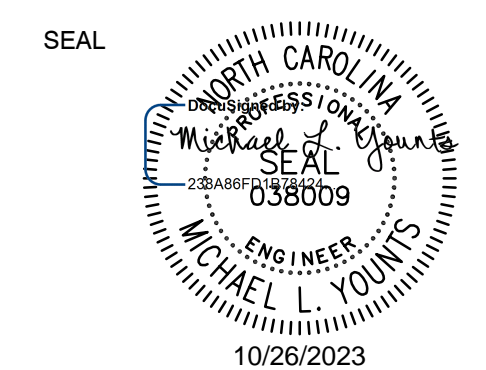
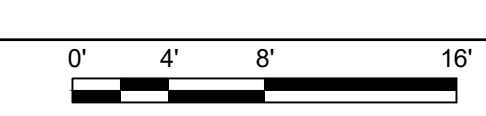
SHEET NO.



FIRE ALARM UPGRADES
RAND ROAD
ELEMENTARY SCHOOL
WAKE COUNTY PUBLIC
SCHOOL SYSTEM
 RALEIGH, NC
 WCPSS PROJECT #####



1 NORTHERN CLASSROOMS FLOOR PLAN - NEW WORK
 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- SEE SHEET FA201 FOR ADDITIONAL GENERAL NOTES.

KEYED NOTES: (#)

- FIRE ALARM CONDUITS SHALL NOT BE ROUTED ABOVE GYP-BOARD CEILING AREAS. CONDUIT RUNS DOWN THE HALLWAY SHALL BE ROUTED THROUGH THE CLASSROOMS
- PROVIDE NEW SMOKE DETECTOR IN CLERESTORY. MOUNT SMOKE DETECTOR ON GYPSUM CEILING. TURN OUT AND UP FROM ABOVE ACT TILE CEILING TO DEVICE LOCATION. SURFACE MOUNTED CONDUIT IS ALLOWED WITHIN THE CLERESTORY ONLY AND SHALL NOT BE USED EXPOSED ON GYP-BOARD CEILING AREAS VISIBLE FROM BELOW. REFER TO DETAIL BELOW FOR ADDITIONAL INFORMATION
- CONTRACTOR SHALL FISH THROUGH EXISTING WALL AND ROUTE NEW CONDUIT ABOVE CEILING. REPAIR, PATCH, AND PAINT GYPSUM BOARD WALL FOR FIRE ALARM INSTALLATION.

No.	DATE	BY	Description
1	10.26.23	MH	ADD #2

DRAWN BY: JGW
 DESIGNED BY: MEH
 CHECKED BY: MLY
 DATE: 10.01.2023

TITLE
FIRE ALARM
NEW WORK PLAN
NORTHERN
CLASSROOMS

PROJECT NO. 50162999

RATED WALL LEGEND

	TWO HOUR RATED FIRE WALL
	FOUR HOUR RATED FIRE WALL

FA204