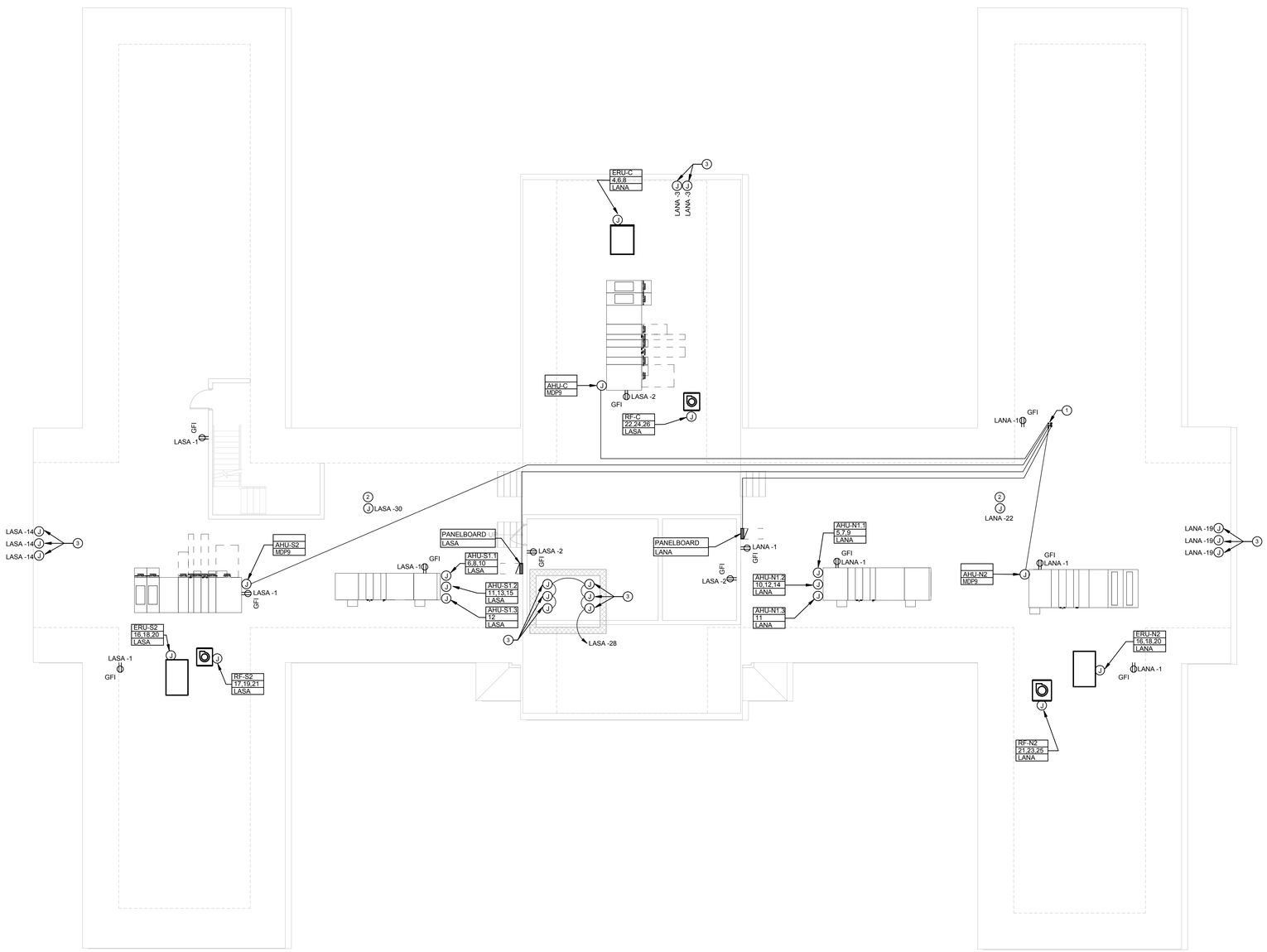

1 ATTIC FLOOR FIRE ALARM PLAN
1/8" = 1'-0"

ELECTRICAL GENERAL NOTES

1. FINAL LOCATION OF ALL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND SHALL BE INSTALLED AS DIRECTED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL WALLS AND FLOORS AS REQUIRED TO PERMIT PASSAGE OF CONDUITS. THE E.C. SHALL PROVIDE A MARKED-UP PLAN WITH LOCATIONS OF PENETRATIONS FOR REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER BEFORE ROUGH-IN BEGINS.
2. RECEPTACLES FOR ALL EQUIPMENT SHALL BE COMPLETE WITH PLUGS FOR THIS EQUIPMENT. THE E.C. SHALL VERIFY NEMA CONFIGURATION OF PLUGS AND RECEPTACLES FOR EQUIPMENT IN THE SPACE.
3. DURING THE BIDDING PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES (ARCHITECTURAL, SITE/LANDSCAPING HVAC, PLUMBING AND SPECIALTY TRADES). ALL ITEMS REQUIRING POWER INDICATED ON THESE DRAWINGS BUT NOT INDICATED ON THE ELECTRICAL DRAWINGS SHALL BE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S WORK. THIS WORK SHALL BE INSTALLED AS PER NEC REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MAKE ALL FEEDER RUNS CONTINUOUS (NO CABLE BREAKS). IF SPLICING OF CABLES IN BOXES BECOMES NECESSARY, USE O.Z.G. TYPE "XW" CABLE TAPS, OR APPROVED EQUAL, AND TAPE EACH TAP IN APPROVED MANNER.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES AND STARTERS FOR ALL OF HIS UNITS. THE E.C. SHALL RECEIVE THESE ITEMS FROM THE M.C. FOR INSTALLATION BY THE E.C.
6. THE E.C. SHALL COORDINATE HIS CONDUIT PENETRATIONS FOR ROOFTOP EQUIPMENT WITH THE M.C. AND ROOFING CONTRACTOR. IF PROVISIONS ARE NOT IN PLACE FOR THESE PENETRATIONS THE E.C. SHALL BE RESPONSIBLE FOR MAKING HIS OWN PENETRATIONS AND CONTRACTING THE ROOF CONTRACTOR FOR SEALING THE ROOF PENETRATIONS.

MECHANICAL EQUIPMENT WIRING NOTES

1. ALL STARTERS AND VFD'S ARE MOUNTED ON UNITS AND SHALL BE FURNISHED AND INSTALLED BY THE HEATING CONTRACTOR (H.C.), PLUMBING CONTRACTOR (P.C.) OR FIRE PROTECTION CONTRACTOR (F.P.C.). WIRING AND CONDUIT TO/FROM SHALL BE BY THE ELECTRICAL CONTRACTOR (E.C.).
2. ALL LINE VOLTAGE (120 VOLT OR GREATER) WIRING FOR POWER TO EQUIPMENT SHALL BE BY THE E.C.
3. ALL LOW VOLTAGE CONTROL WIRING SHALL BE BY THE H.C., P.C. OR F.P.C., FOR THEIR RESPECTIVE EQUIPMENT.
4. THE E.C. IS RESPONSIBLE FOR POWER WIRING AND CONDUIT FROM THE OVERCURRENT PROTECTION DEVICE TO A LOCAL DISCONNECT (BY E.C. IF REQUIRED) AND THEN TO THE STARTER OR VFD BY THE H.C., P.C. OR F.P.C.
5. THE E.C. IS RESPONSIBLE FOR POWER WIRING AND CONDUIT FROM THE OVERCURRENT PROTECTION DEVICE TO A LOCAL DISCONNECT (BY E.C. IF REQUIRED) AND THEN TO THE STARTER OR VFD BY THE H.C., P.C. OR F.P.C.
6. THE E.C. SHALL VERIFY STUB-UP LOCATIONS WITH THE H.C., P.C. AND F.P.C. FOR ALL EQUIPMENT THAT IS TO BE FED FROM UNDER SLAB CONDUITS.
7. ALL WIRING BETWEEN FACTORY SUPPLIED OPTIONS ON EQUIPMENT SHALL BE BY THE RESPECTIVE CONTRACTOR (H.C., P.C. OR F.P.C.) THE E.C. IS NOT RESPONSIBLE FOR ANY FIELD WIRING.

POWER NUMBERED NOTES

1. CONDUIT RISER FOR NEW FEEDER TO ATTIC PANELS, AHU-S2, AHU-C, & AHU-N2. COORDINATE CONDUIT ROUTING WITH MECHANICAL DUCTWORK AND PIPING PRIOR TO ROUGH-IN. REFER TO RISER DIAGRAM ON DRAWING E500 FOR FEEDER SIZES.
2. JUNCTION BOX FOR POWER CONNECTION TO HVAC CONTROLS.
3. JUNCTION BOX FOR POWER CONNECTION TO MOTORIZED DAMPERS.

NORTH

FULLY SPRINKLERED
BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title: POWER & SYSTEMS PLAN - ATTIC

Approved: Project Director

Project Title: BUILDING 9 - SECOND FLOOR RENOVATION

Location: 1400 Blackhorse Hill Road, Coatesville, PA 19320

Date: 05 / 12 / 14 | **Checked:** JJD | **Drawn:** JMZ

Project Number: 542-13-105

Building Number: 9

Drawing Number: E203

Dwg. 110 **of** 125

Office of Construction and Facilities Management

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