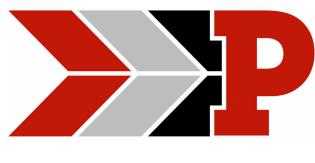


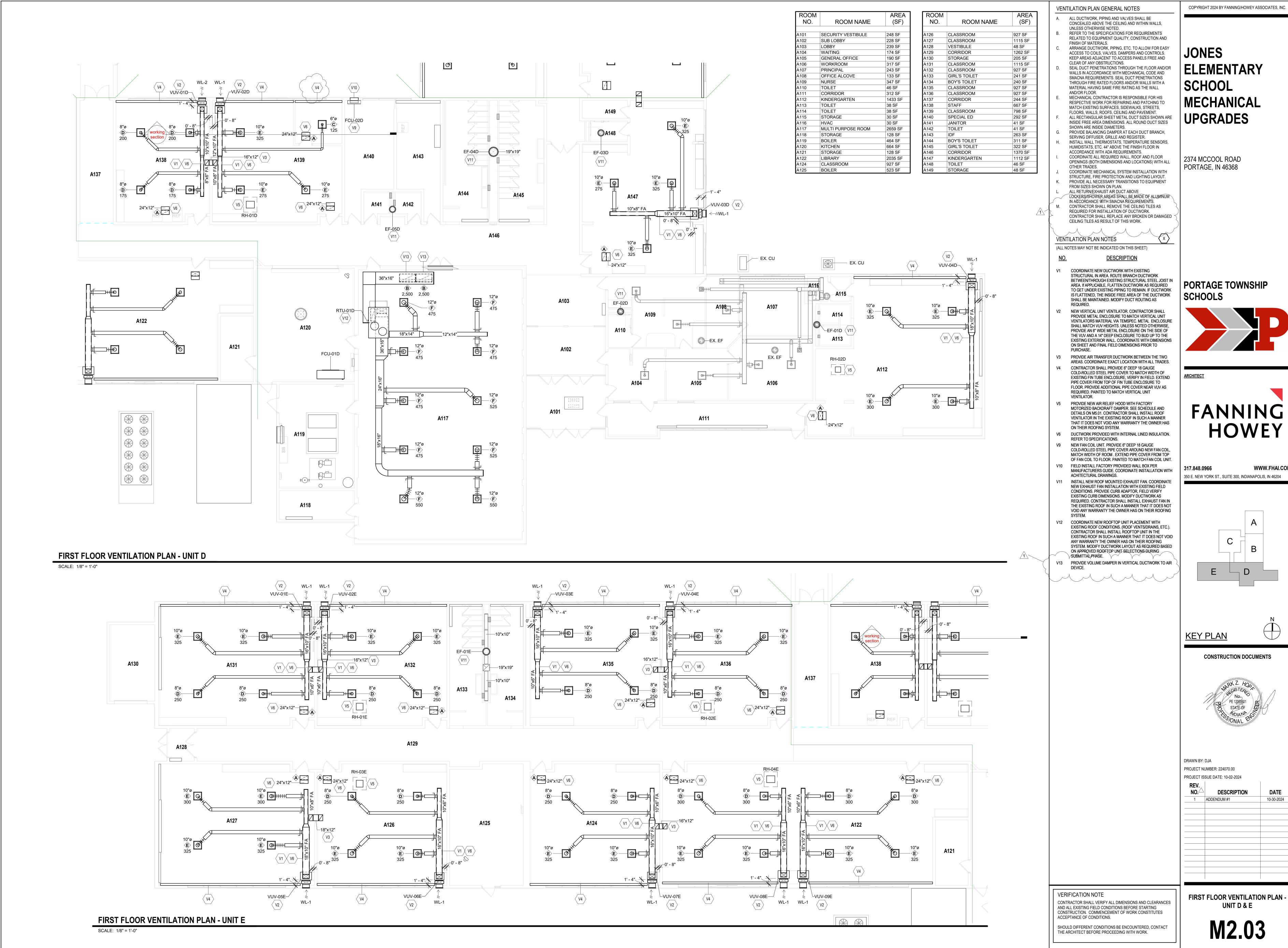
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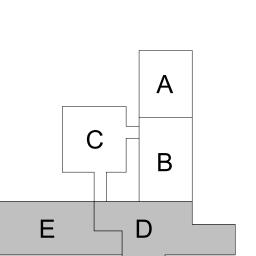
DATE 10-30-2024



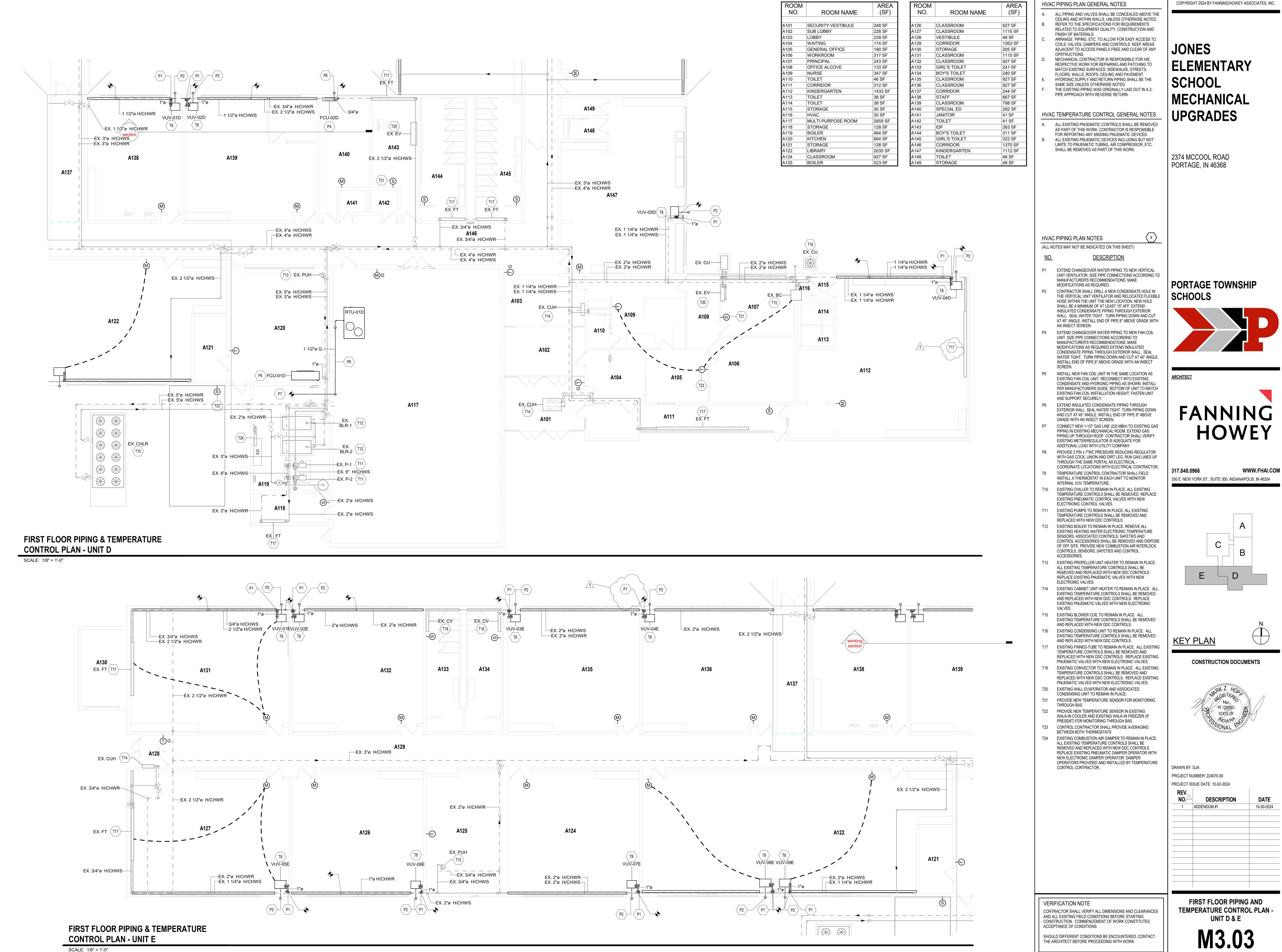


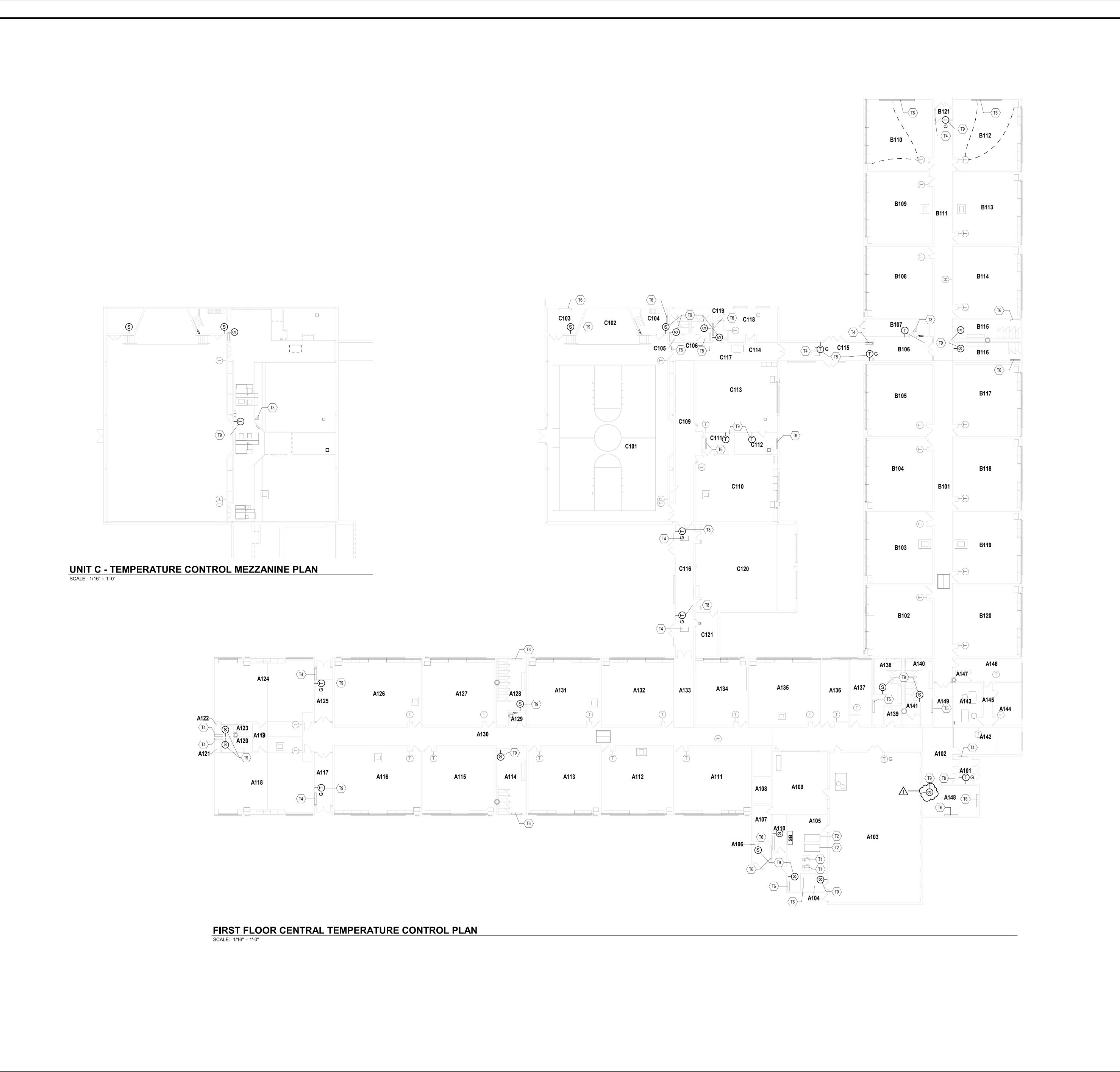
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TEMPERATURE CONTROL PLAN GENERAL NOTES

ALL EXISTING PNUEMATIC CONTROLS SHALL BE REMOVED AS PART OF THIS WORK. CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY MISSING PNUEMATIC DEVICES.

ALL EXISTING PNUEMATIC DEVICES INCLUDING BUT NOT LIMITE TO PNUEMATIC TUBING, AIR COMPRESSOR, ETC. SHALL BE REMOVED AS PART OF THIS WORK.

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JONES ELEMENTARY SCHOOL MECHANICAL UPGRADE

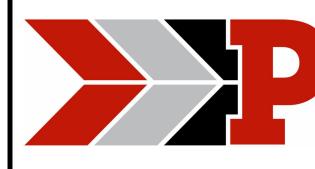
2825 Russell St, Portage, IN 46368

TEMPERATURE CONTROL PLAN NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

- T1 EXISTING PUMPS TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND REPLACED WITH NEW DDC
- CONTROLS. EXISTING BOILER TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND REPLACED WITH NEW DDC CONTROLS. REPLACE ALL EXISTING PNUEMATIC VALVES IN BOILER ROOM WITH
- NEW ELECTRONIC VALVES. EXISTING PROPELLER UNIT HEATER TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND REPLACED WITH NEW DDC CONTROLS.
 REPLACE EXISTING PNUEMATIC VALVES WITH
- NEW ELECTRONIC VALVES. EXISTING CABINET UNIT HEATER TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND
 REPLACED WITH NEW DDC CONTROLS.
 REPLACE EXISTING PNUEMATIC VALVES WITH
 NEW ELECTRONIC VALVES.
- EXISTING CONVECTOR TO REMAIN IN PLACE.
 ALL EXISTING TEMPERATURE CONTROLS SHALL
 BE REMOVED AND REPLACED WITH NEW DDC
 CONTROLS. REPLACE EXISTING PNUEMATIC
 VALVES WITH NEW ELECTRONIC VALVES.
- EXISTING FINNED TUBE TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL
 BE REMOVED AND REPLACED WITH NEW DDC
 CONTROLS. REPLACE EXISTING PNUEMATIC
 VALVES WITH NEW ELECTRONIC VALVES. REMOVE AND REPLACE EXISTING THERMOSTAT.

T9 PROVIDE NEW THERMOSTAT.

PORTAGE TOWNSHIP SCHOOLS





350 E NEW YORK ST# 300, INDIANAPOLIS, IN 46204

KEY PLAN

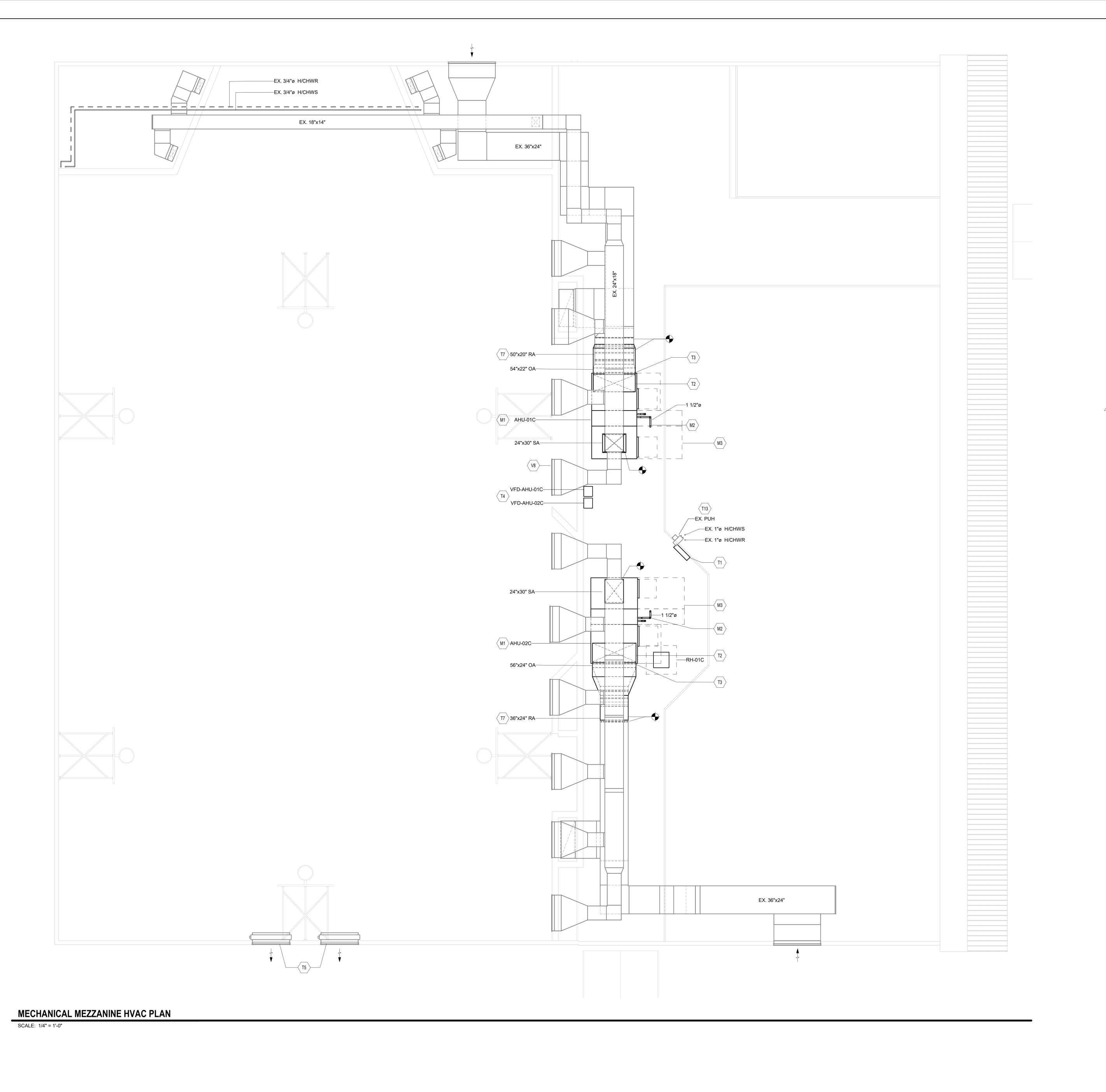


DRAWN BY: DJA PROJECT NUMBER: 224070.0

PROJECT ISSUE DATE: 10-02-2024 DESCRIPTION

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH CENTRAL ELEMENTARY SCHOOL TEMPERATURE PLANS



MECHANICAL ROOM PLAN GENERAL NOTES

- A. ALL DUCTWORK, PIPING AND VALVES SHALL BE CONCEALED ABOVE THE CEILING AND WITHIN WALLS, UNLESS OTHERWISE NOTED.
- B. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND
- FINISH OF MATERIALS. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS.
- KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS. SEAL DUCT PENETRATIONS THROUGH THE FLOOR AND/OR WALLS IN ACCORDANCE WITH MECHANICAL CODE AND SMACNA REQUIREMENTS. SEAL DUCT PENETRATIONS
- THROUGH FIRE RATED FLOORS AND/OR WALLS WITH A MATERIAL HAVING SAME FIRE RATING AS THE WALL AND/OR FLOOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. F. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE
- INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS. PROVIDE BALANCING DAMPER AT EACH DUCT BRANCH, SERVING DIFFUSER, GRILLE AND REGISTER. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 44" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
- I. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES. J. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT
- FROM SIZES SHOWN ON PLAN. ALL RETURN/EXHAUST AIR DUCT ABOVE LOCKERS/SHOWER AREAS SHALL BE MADE OF ALUMINUM IN ACCORDANCE WITH SMACNA REQUIREMENTS.

M. HYDRONIC SUPPLY AND RETURN PIPING SHALL BE THE

MECHANICAL ROOM PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

SAME SIZE UNLESS OTHERWISE NOTED.

DESCRIPTION

- M1 INSTALL NEW AIR HANDLING UNIT IN SIMILAR LOCATION AS EXISTING AIR HANDLING UNIT. RECONNECT INTO EXISTING OUTSIDE AIR, RETURN AIR AND SUPPLY AIR DUCTWORK AS SHOWN. MODIFY EXISTING DUCTWORK AS REQUIRED TO CONNECT TO NEW AIR HANDLING UNIT. CONNECT INTO EXISTING HYDRONIC PIPING IN AREA.
- M2 ROUTE PIPING DOWN THRU CONCRETE SLAB. CONNECT TO EXISTING BRANCH PIPING THAT SERVED AHU IN THIS AREA. MAKE MODIFICATIONS AS NECESSARY. PROVIDE NEW ISOLATION VALVES AND CONTROL VALVE ABOVE CONCRETE.

M3 UNIT MANUFACTURERS REQUIRED CLEARANCE AROUND

BY UNIT MANUFACTURER AND IS THE CONTRACTORS

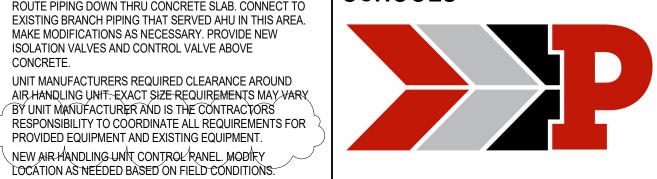
- RESPONSIBILITY TO COORDINATE ALL REQUIREMENTS FOR PROVIDED EQUIPMENT AND EXISTING EQUIPMENT. NEW AIR HANDLING UNIT CONTROL RANEL. MODIFY LOCATION AS NEEDED BASED ON FIELD CONDITIONS. MOUNT TO EXISTING RAIL.
- OUTSIDE AIR CONTROL DAMPERS FACTORY MOUNTED IN AIR HANDLING UNIT. DAMPER OPERATORS PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR.
- RETURN AIR CONTROL DAMPERS FACTORY MOUNTED IN AIR HANDLING UNIT. DAMPER OPERATORS PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR. T4 TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE INTERCONNECTING WIRING BETWEEN VARIABLE
- FREQUENCY CONTROLLER(S) AND EQUIPMENT. EXISTING RELIEF AIR DAMPER TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND REPLACED WITH NEW DDC CONTROLS. REPLACE EXISTING PNEUMATIC DAMPER OPERATOR WITH NEW ELECTRONIC DAMPER OPERATOR. DAMPER OPERATORS PROVIDED AND INSTALLED BY TEMPERATURE CONTROL
- CONTRACTOR. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE AND INSTALL DUCT MOUNTED CARBON DIOXIDE, HUMIDITY SENSOR AND TEMPERATURE SENSOR IN RETURN MAIN. TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE
- AND INSTALL DUCT MOUNTED HUMIDITY SENSOR AND TEMPERATURE SENSOR IN OUTSIDE AIR MAIN. T13 EXISTING PROPELLER UNIT HEATER TO REMAIN IN PLACE. ALL EXISTING TEMPERATURE CONTROLS SHALL BE REMOVED AND REPLACED WITH NEW DDC CONTROLS. REPLACE EXISTING PNUEMATIC VALVES WITH NEW
- ELECTRONIC VALVES. V8 EXISTING GRILLES/DIFFUSERS ARE TO BE CLEANED TO LIKE NEW CONDITION. (TYP OF 10)

SCHOOL

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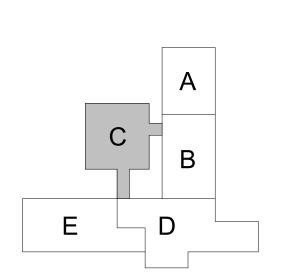
2374 MCCOOL ROAD PORTAGE, IN 46368

PORTAGE TOWNSHIP SCHOOLS





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KEY PLAN

CONSTRUCTION DOCUMENTS



DRAWN BY: DJA PROJECT NUMBER: 224070.00 PROJECT ISSUE DATE: 10-02-2024

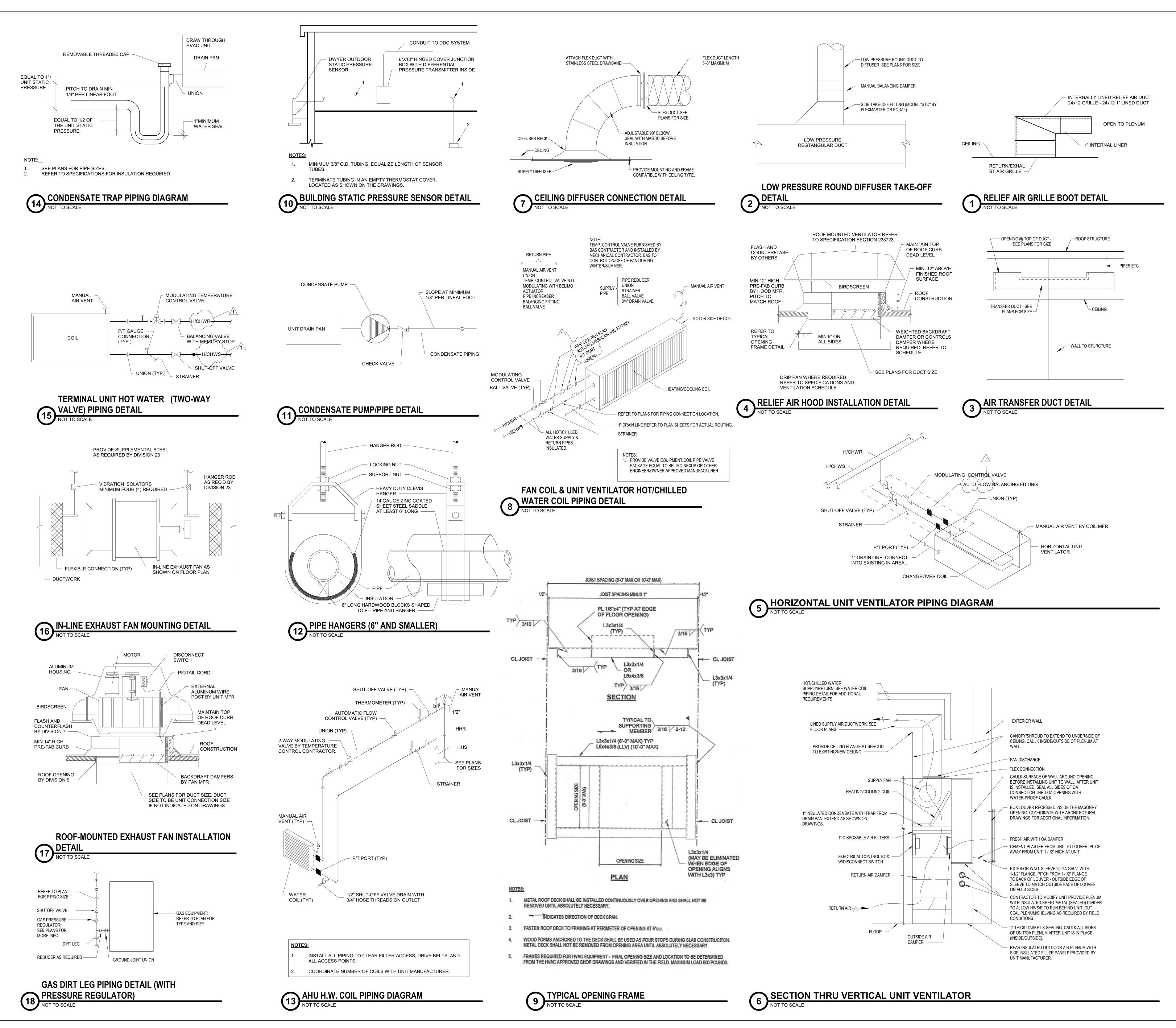
REV. NO. \triangle	DESCRIPTION	DATE
1	ADDENDUM #1	10-30-20

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

MECHANICAL MEZZANINE PLAN

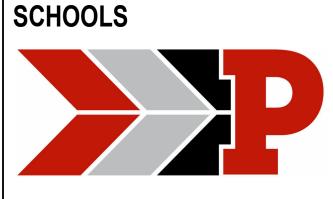


JONES
ELEMENTARY
SCHOOL
MECHANICAL
UPGRADES

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2374 MCCOOL ROAD PORTAGE, IN 46368

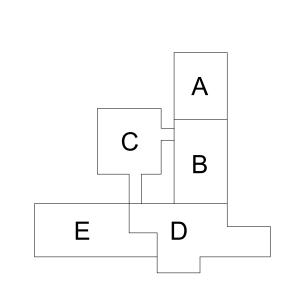
PORTAGE TOWNSHIP



ARCHITECT



317.848.0966 WWW.FHAI.COM350 E. NEW YORK ST., SUITE 300, INDIANAPOLIS, IN 46204



KEY PLAN

CONSTRUCTION DOCUMENTS



PROJECT NUMBER: 224070.00

PROJECT ISSUE DATE: 10-02-2024

REV. NO. DESCRIPTION DATE

1 ADDENDUM #1 10-30-2024

MECHANICAL DETAILS

M-501