

KEYNOTES:

1. CONNECT BOILER TO EXISTING FLUE MAIN. PROVIDE ANY NECESSARY TRANSITIONS TO MAKE CONNECTION TO BOILER FLUE OUTLET. INSTALL VENTING PER BOILER MANUFACTURERS INSTALLATION INSTRUCTIONS. PATCH EXISTING FLUE INSULATION TO MATCH EXISTING.
2. RE-INSULATE PUMP CASING ACCORDING TO INSULATION SCHEDULE ON SHEET H-0.0.
3. BOILER IS TO BE PURCHASED AS A KNOCK-DOWN UNIT AND ASSEMBLED IN PLACE.
4. PROVIDE NEW BUTTERFLY TYPE ISOLATION VALVE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. INSTALL NEW DAMPER ACTUATOR ON EXISTING COMBUSTION AIR DAMPER SHAFT. PROVIDE WIRING AS REQUIRED FOR BOILER COMBUSTION AIR INTERLOCK.

GENERAL NOTES:

CONTRACTOR TO COORDINATE WORK SCHEDULE WITH OWNER; ACCEPTABLE HOURS OF WORK ARE AS FOLLOWS:

- NOISY WORK I.E. CUTTING, DRILLING, HAMMERING, ETC. TO BE PERFORMED MONDAY THROUGH FRIDAY AFTER 3PM OR ON WEEKENDS.
- ALL OTHER WORK CAN BE PERFORMED MONDAY THROUGH FRIDAY 7AM-3PM.
- COORDINATE ALL SYSTEM SHUTDOWNS WITH OWNER. EXISTING HEATING AND CHILLED WATER SYSTEM ARE TO REMAIN IN OPERATION DURING CONSTRUCTION WHILE BUILDING IS OCCUPIED.

CONTRACTOR TO COORDINATE RIGGING PATH WITH OWNER TO PREVENT DAMAGE TO EXISTING FLOORING, FINISHES, AND STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO BUILDING.

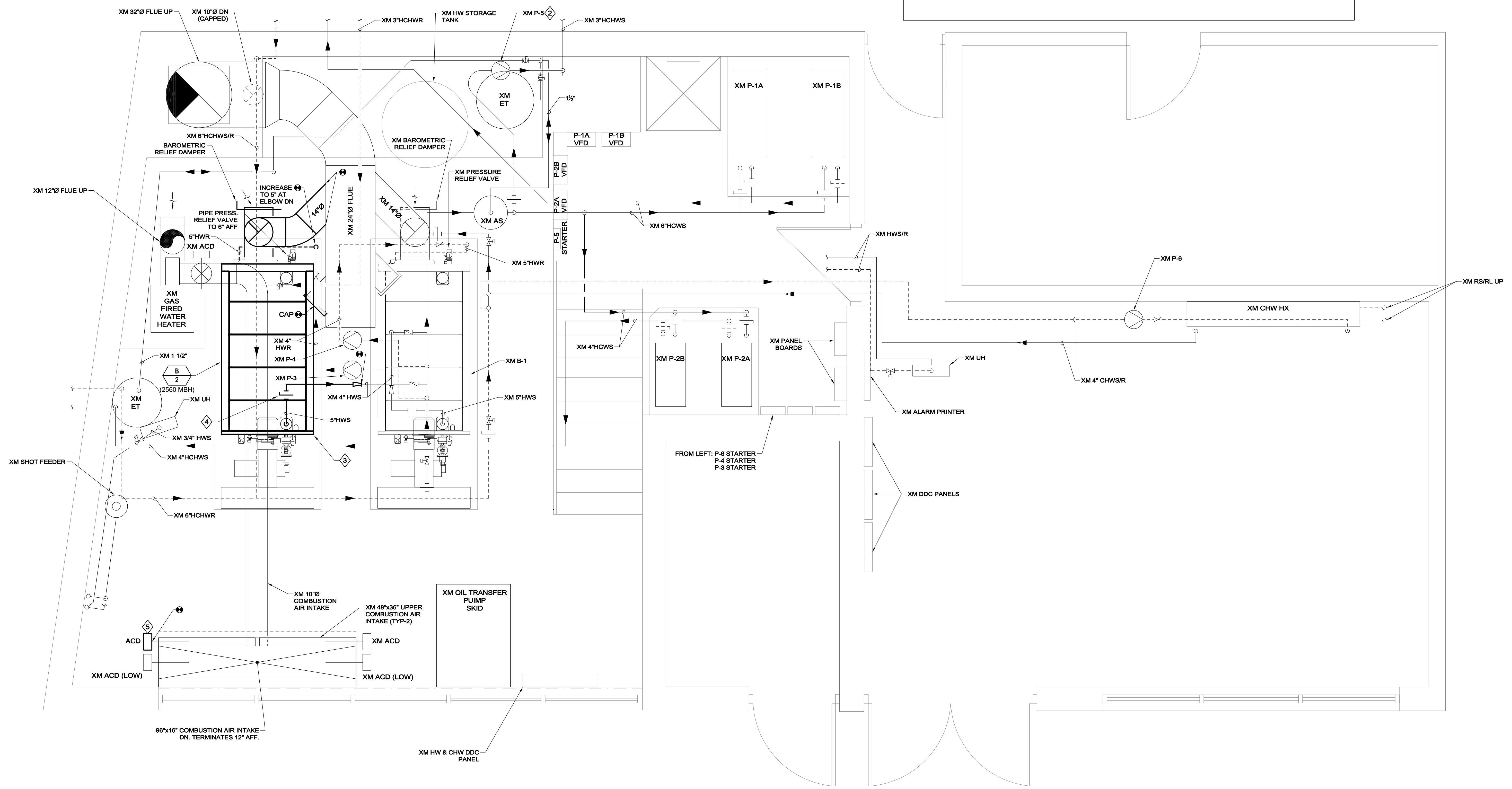
CONTROL SYSTEM DESCRIPTION:

BUILDING HVAC SYSTEMS ARE CONTROLLED BY EXISTING BUILDING AUTOMATION SYSTEM BY AUTOMATED LOGIC.

PROVIDE STANDALONE BOILER CONTROLLER TO OPERATE BOILER WITH CAPABILITY TO OPERATE BOILER, PUMPS, AND COMBUSTION AIR DAMPERS SIMILAR TO EXISTING SYSTEM. CONTROLLER TO BE COMPATIBLE WITH ALL EXISTING CONTROL COMPONENTS. PROVIDE ALL NECESSARY CONTROLS HARDWARE AND SOFTWARE FOR A FULLY FUNCTIONAL SYSTEM WITH FEATURES INCLUDING BUT NOT LIMITED TO:

- BOILER MODULATION SEQUENCING CONTROL
- OUTDOOR AIR LOCKOUT
- MINIMUM BOILER RETURN TEMP CONTROL
- UNOCCUPIED/NIGHTTIME SETBACK
- DISPLAY SCREEN WITH OPERATOR INPUT
- INTERLOCK WITH EXISTING COMBUSTION AIR DAMPER. PROVIDE WITH END SWITCH FOR VERIFICATION OF DAMPER POSITION
- BACNET INTERFACE
- REMOTE START/STOP

ATC CONTRACTOR TO MEET WITH BOILER CONTROLS MANUFACTURER TO COORDINATE THE REQUIRED CONTROL SIGNALS, STATUS SIGNALS (FOR THE GRAPHICS), AND ALARMS FOR THE BOILER SYSTEM.



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REVISIONS

DATE	CHK	DESCRIPTION

SEAL

PROJECT

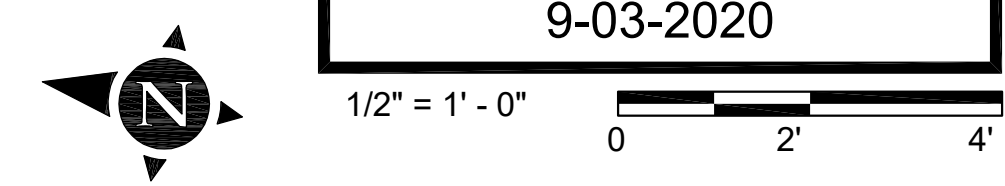
NUMBER: 0200375
DATE: 08/27/2020
LONGMEADOW WOLFSWAMP ELEMENTARY SCHOOL BOILER REPLACEMENT

DRAWING

DRAWN BY: JFL
CHECKED BY: JFL
SCALE: 1/2" = 1'-0"
HVAC MECHANICAL ROOM NEW WORK PLAN

HVAC MECHANICAL ROOM NEW WORK PLAN
SCALE: 1/2"=1'-0"

CONSTRUCTION DOCUMENTS
9-03-2020



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