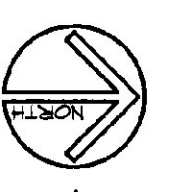
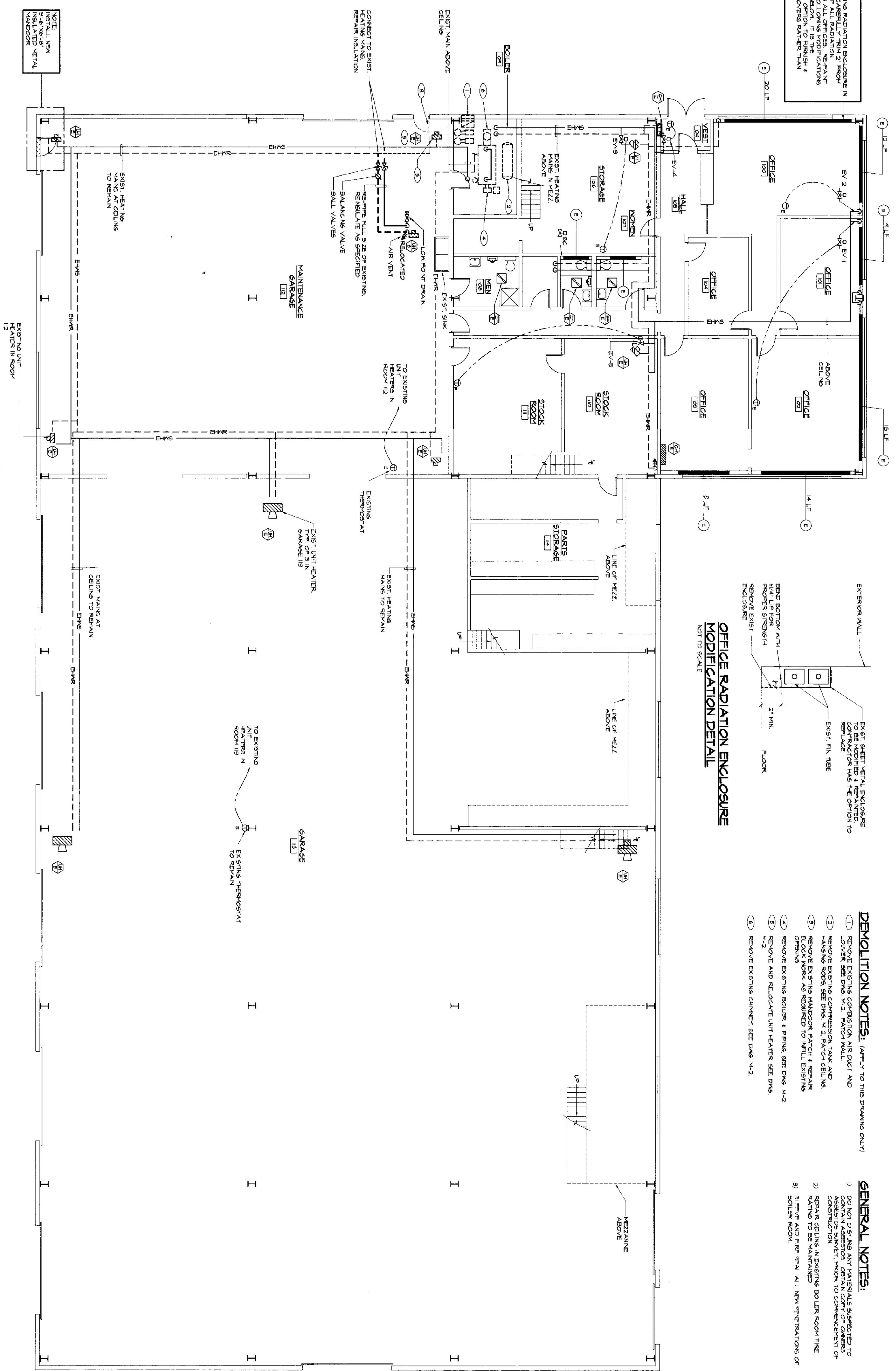


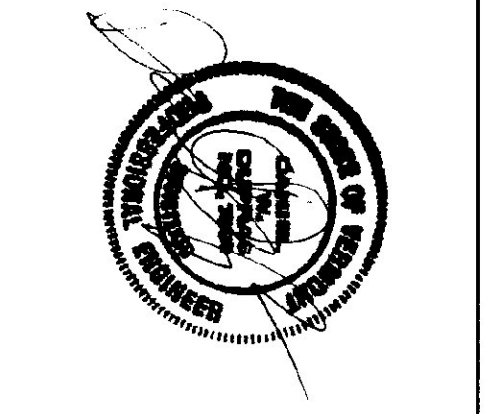
NOTE: REMOVE EXISTING RADIATION ENCLOSURE IN OFFICES AND CAREFULLY TRIM 2" FROM ENCLOSURES IN ALL OFFICES. RE-PAIN ENCLOSURES FOLLOWING MODIFICATIONS. SEE DETAILS SECTION FOR FINISH & INSTALL NEW COVERING RATHER THAN MODIFY EXIST.



MAIN FLOOR PLAN - MECHANICAL WORK
SCALE: 1/8"=1'-0"

- DEMOLITION NOTES:** (APPLY TO THIS DRAWING ONLY)
- 1) REMOVE EXISTING COMPRESSION AIR DUCT AND CONCRETE SEE DWG V-2.1 FLOOR WALL.
 - 2) REMOVE EXISTING COMPRESSION TANK AND PIPING SEE DWG V-2.1 FLOOR CEILING.
 - 3) REMOVE EXISTING HANDDOOR PATCH & REPAIR OPENING AS REQUIRED TO INSTALL EXISTING.
 - 4) REMOVE EXISTING BOILER & PIPING SEE DWG V-2.2
 - 5) REMOVE AND RELOCATE UNIT HEATER SEE DWG V-2.2
 - 6) REMOVE EXISTING CHIMNEY SEE DWG V-2.2

- GENERAL NOTES:**
- 1) DO NOT DISTURB ANY MATERIALS EXPOSED TO CONSTRUCTION SURVEY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - 2) REPAIR CEILING IN EXISTING BOILER ROOM FRIE RATING TO BE MAINTAINED.
 - 3) SLEEVE AND FINE SEAL ALL NEW PENETRATIONS OF BOILER ROOM.



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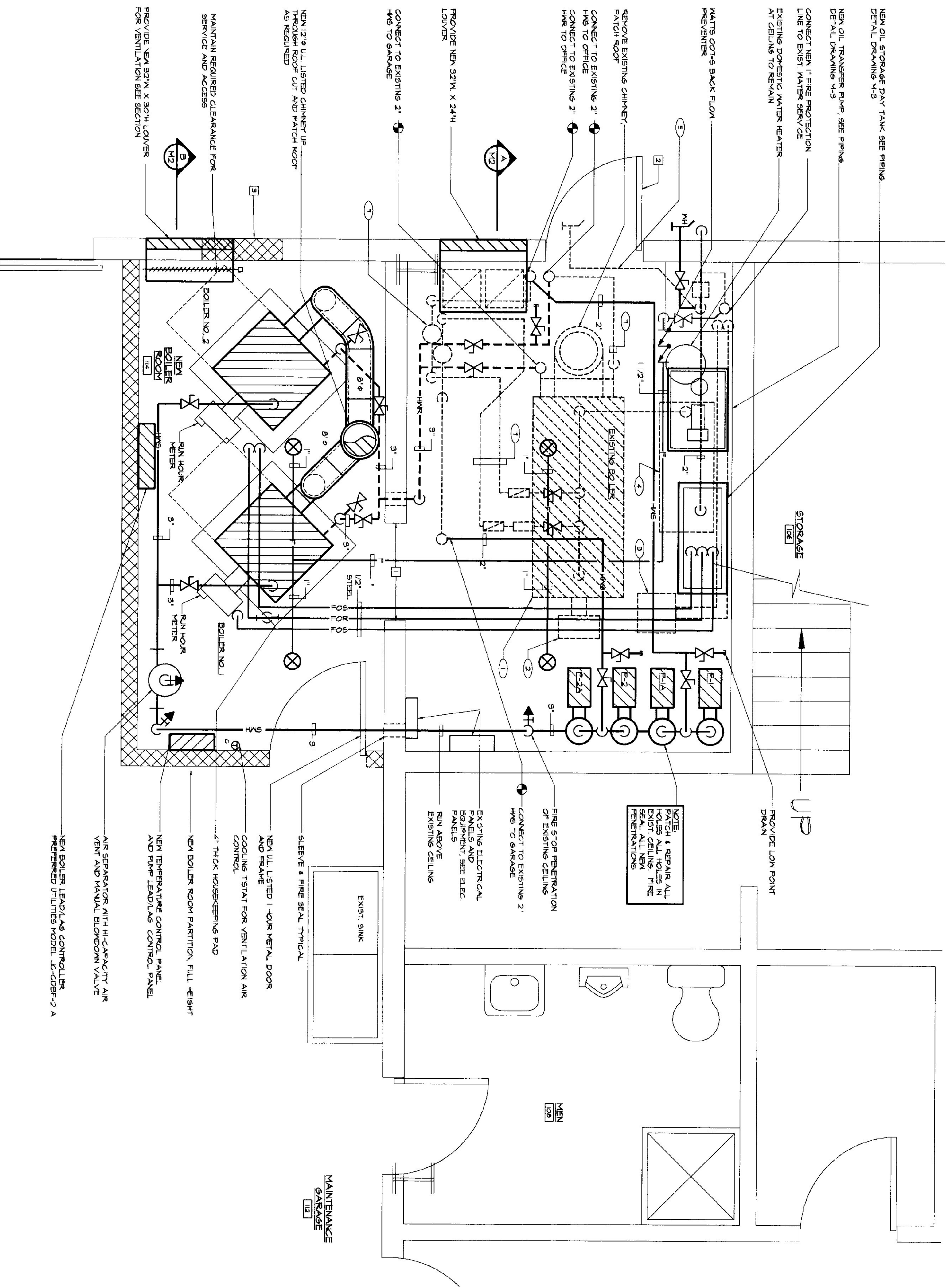
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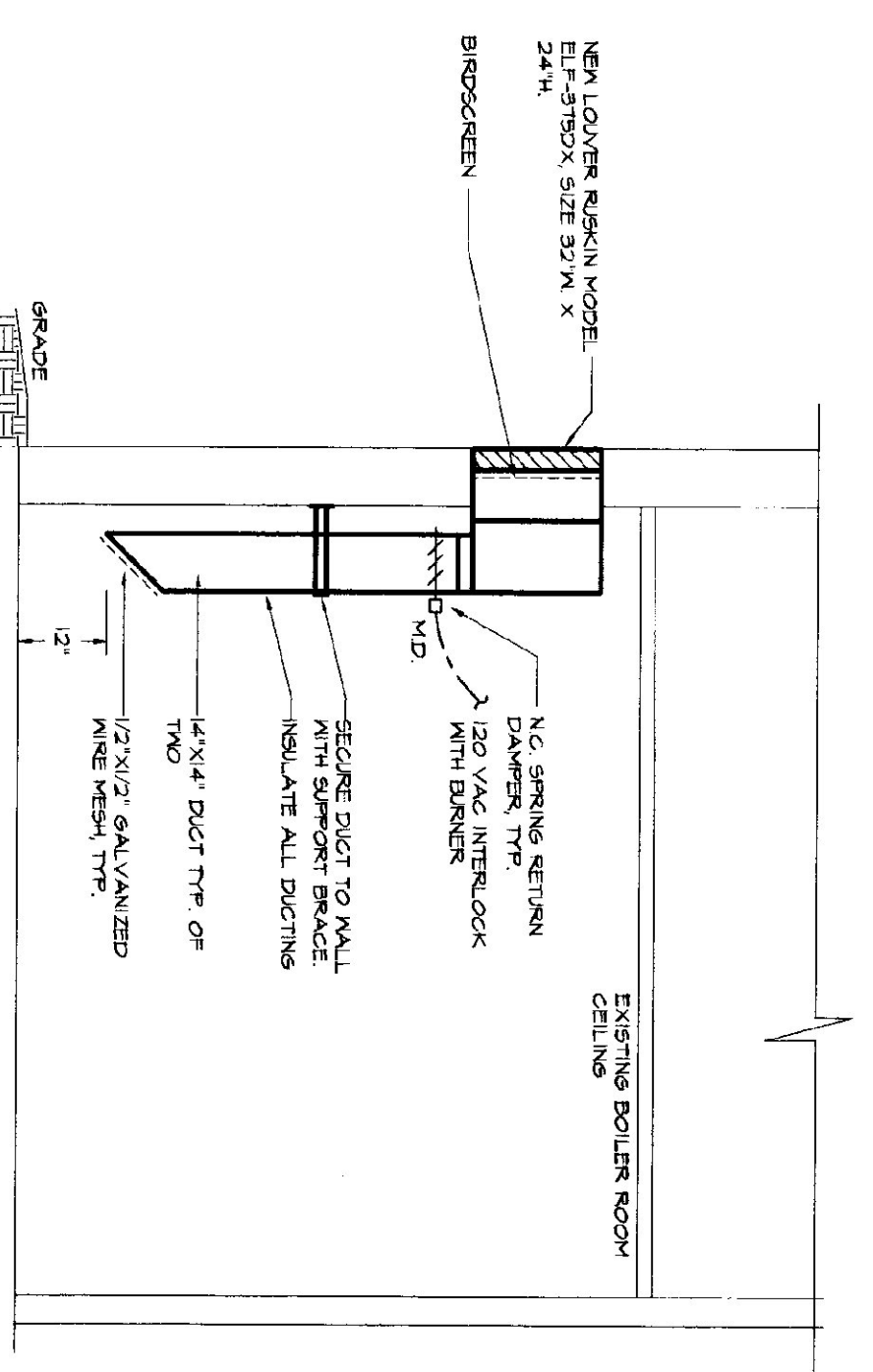
MAIN FLOOR PLAN
EXISTING CONDITIONS

BENNINGTON DISTRICT NO.1
AOT MAINTENANCE GARAGE
PHASE I - HEATING SYSTEM RENOVATION

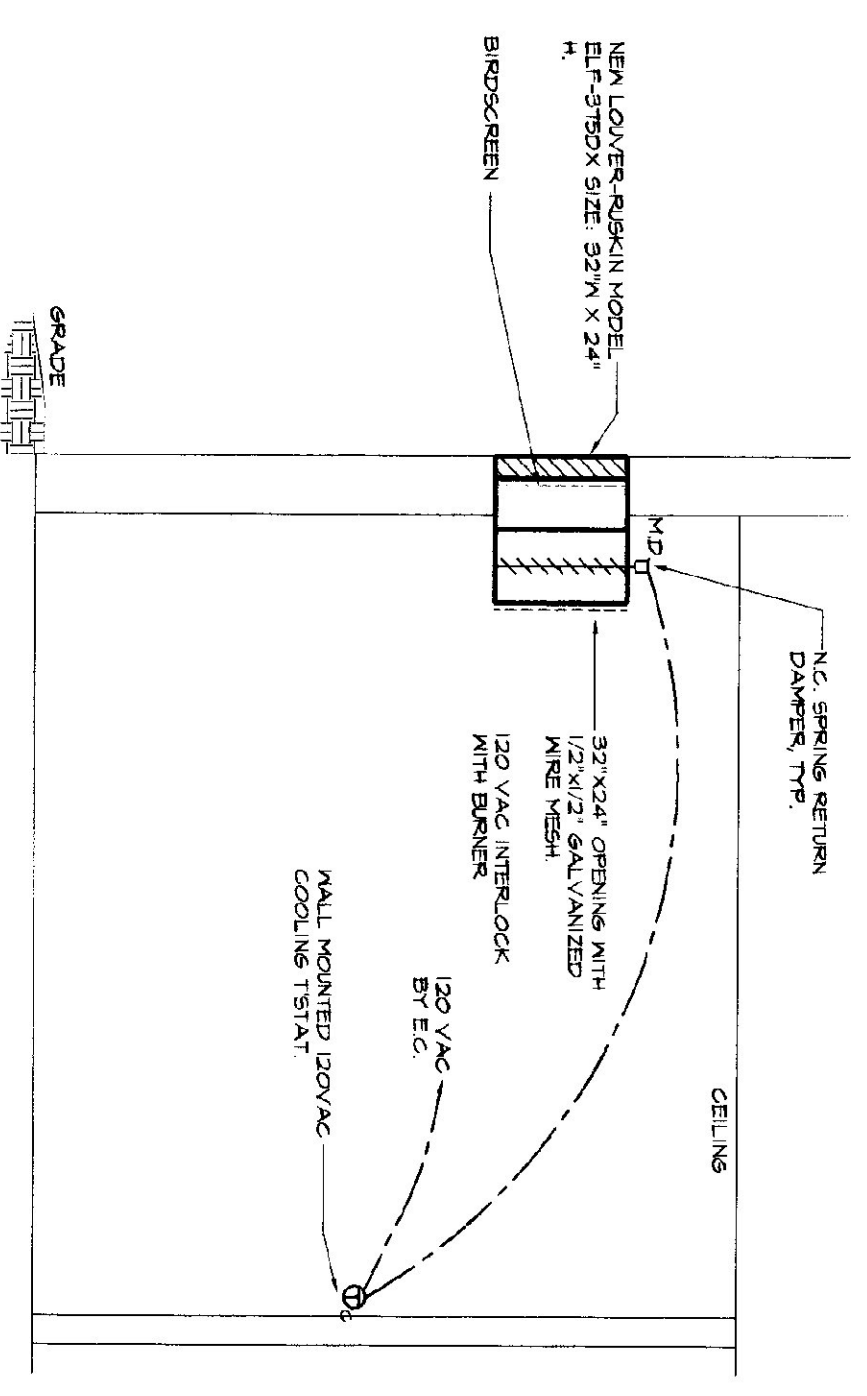
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PARTIAL ENLARGED BOILER ROOM PLAN
SCALE: 1/2"=1'-0"



A COMBUSTION AIR DETAIL
NOT TO SCALE



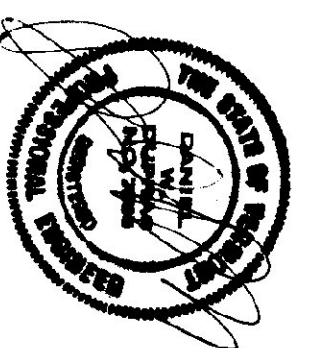
B BOILER ROOM VENTILATION AIR DETAIL
NOT TO SCALE

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

- 1 REMOVE EXISTING OIL FIRED BOILER PIPING AND ACCESSORIES
- 2 REMOVE EXISTING OIL BURNER AND ACCESSORIES
- 3 REMOVE EXISTING OIL PRE-HEATER TURN OVER TO OWNER
- 4 REMOVE EXISTING COMPRESSION TANK
- 5 REMOVE EXISTING WALL HYDRANT. REPAIR AS REQUIRED TO INSTALL NEW DOOR
- 6 REMOVE EXISTING COMBUSTION AIR LOUVER AND DUCTING INSTALL EXISTING OPENING, PAINT TO MATCH EXISTING WALL
- 7 REMOVE EXISTING CIRCULATOR PUMP, VALVES, PIPING AND ACCESSORIES

DRAWING NOTES: (APPLY TO THIS DRAWING ONLY)

- 1 REMOVE EXISTING DOOR EXISTING FRAME TO REMAIN
- 2 INSTALL NEW INSULATED METAL DOOR IN EXTERIOR WALL CUT AND PATCH AND REPAIR EXISTING BLOCK WORK AS REQUIRED. PROVIDE NEW LINTEL
- 3 REMOVE EXISTING EXTERIOR DOOR LINTEL EXISTING OPENING AS REQUIRED TO PATCH EXISTING MATERIALS, PRIME AND PAINT NEW BLOCK WORK TO MATCH EXISTING



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ENLARGED BOILER ROOM PLAN AND DETAILS

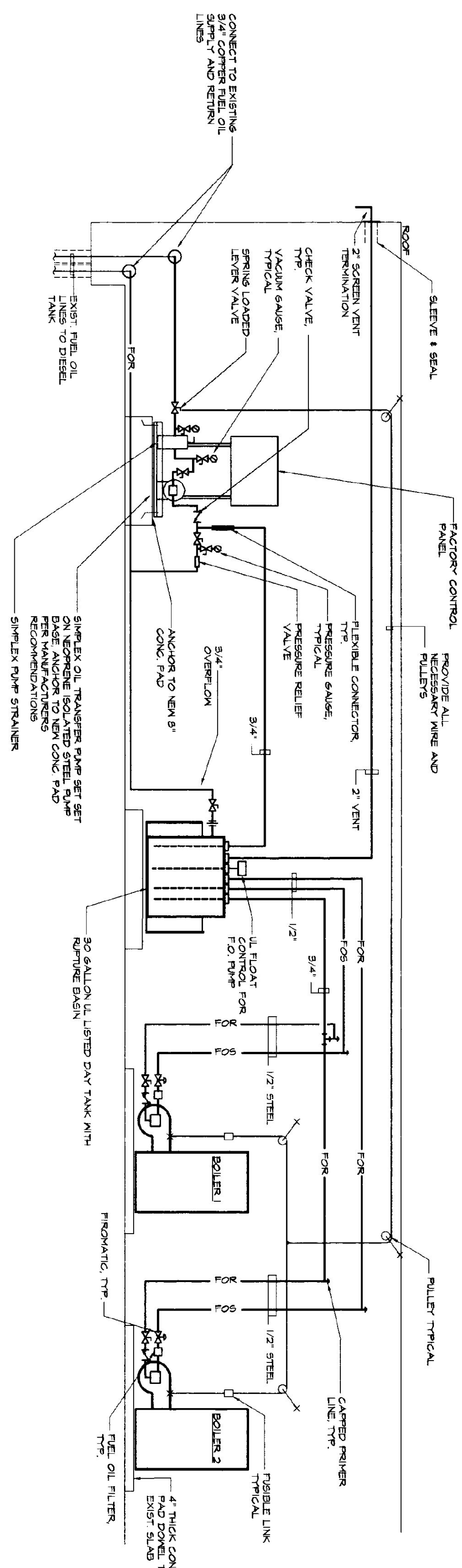
BENNINGTON DISTRICT NO.1 AOT MAINTENANCE GARAGE PHASE I - HEATING SYSTEM RENOVATION

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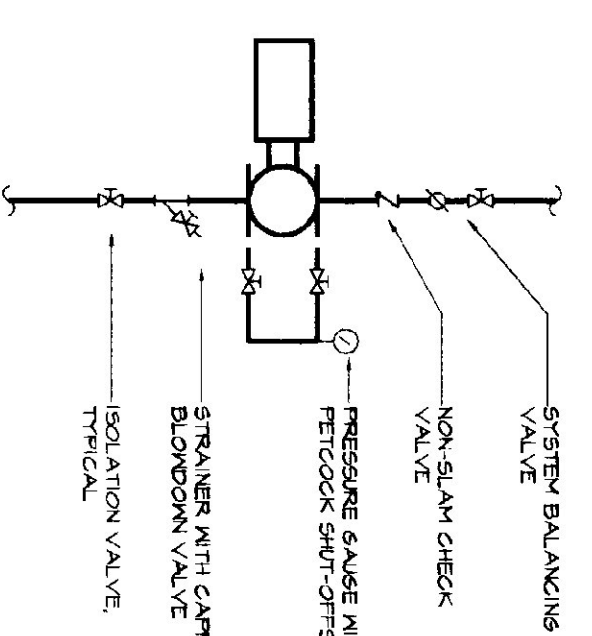
M 2

MECHANICAL LEGEND & ABBREVIATIONS

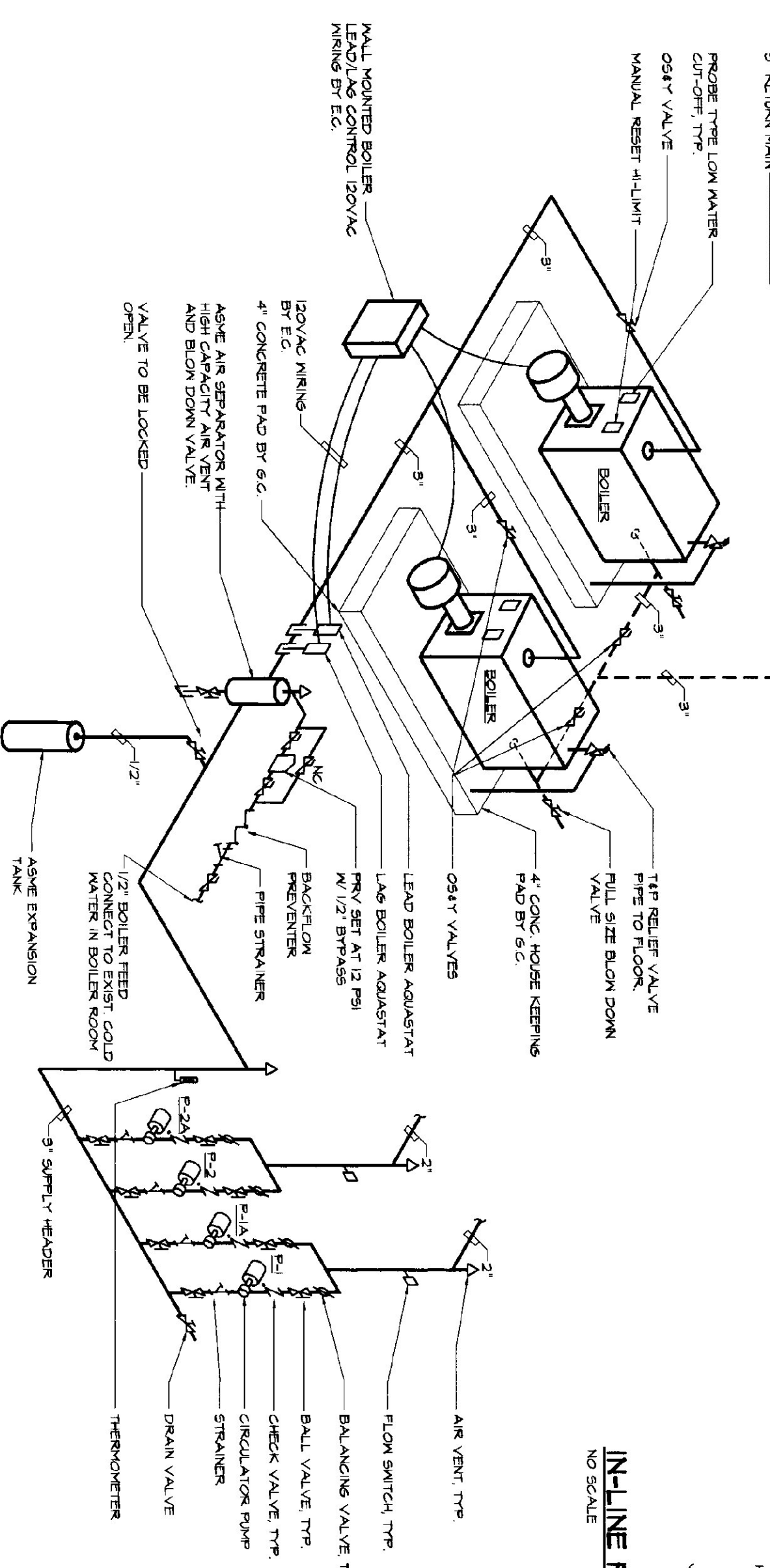
- 4WG — HOT WATER SUPPLY - EXISTING
- 4WR --- HOT WATER RETURN - EXISTING
- F — FIRE PROTECTION PIPING
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- M — MOTOR OPERATED DAMPER
- BV — BALL VALVE
- 2-WAY — 2-WAY CONTROL VALVE
- AV — AIR VENT
- MH — WALL HYDRANT
- ⊕ — EXISTING THERMOSTAT - COOLING
- ⊖ — EXISTING THERMOSTAT - HEATING
- ⊕ — EXISTING UNIT HEATER
- ⊕ — EXISTING EXHAUST FAN
- ⊕ — EXISTING CABINET HEATER
- ⊕ — EXISTING RADIATION WITH APPROX LENGTH OF ACTIVE FIN
- ⊕ — BASEBOARD RADIATION
- — — — — PIPE DROP
- — — — — PIPE RISER
- ⊕ — SPRINKLER HEAD



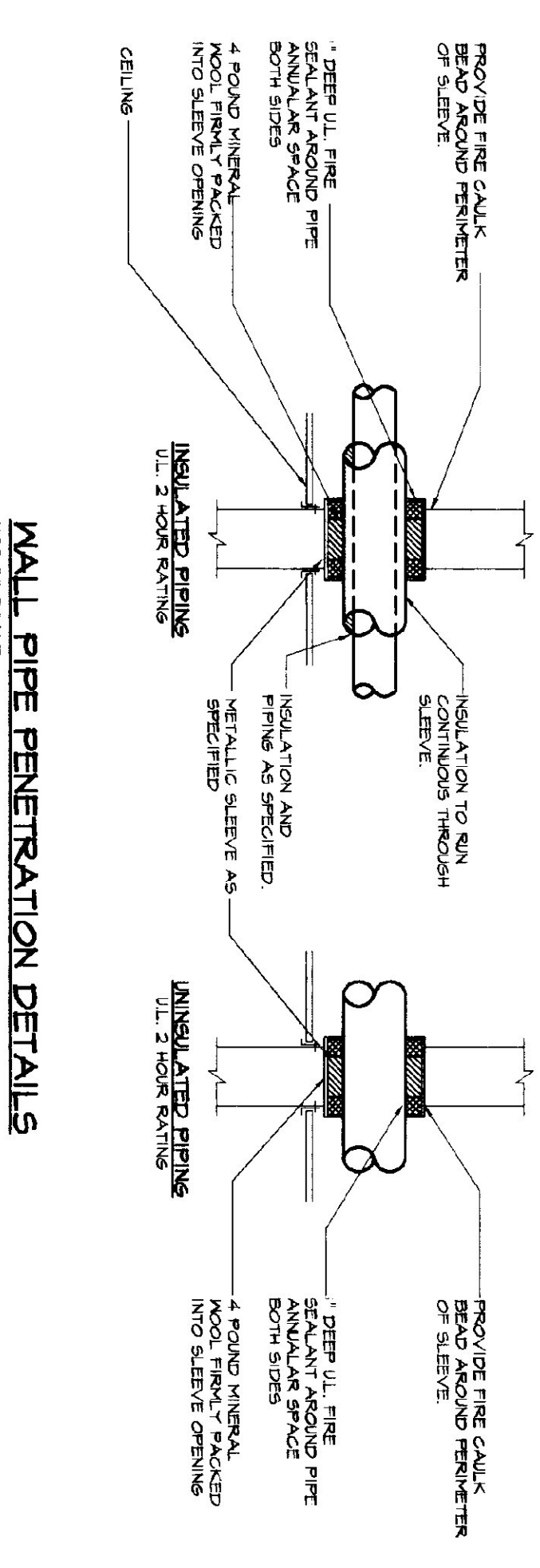
FUEL OIL PIPING DETAIL
NOT TO SCALE



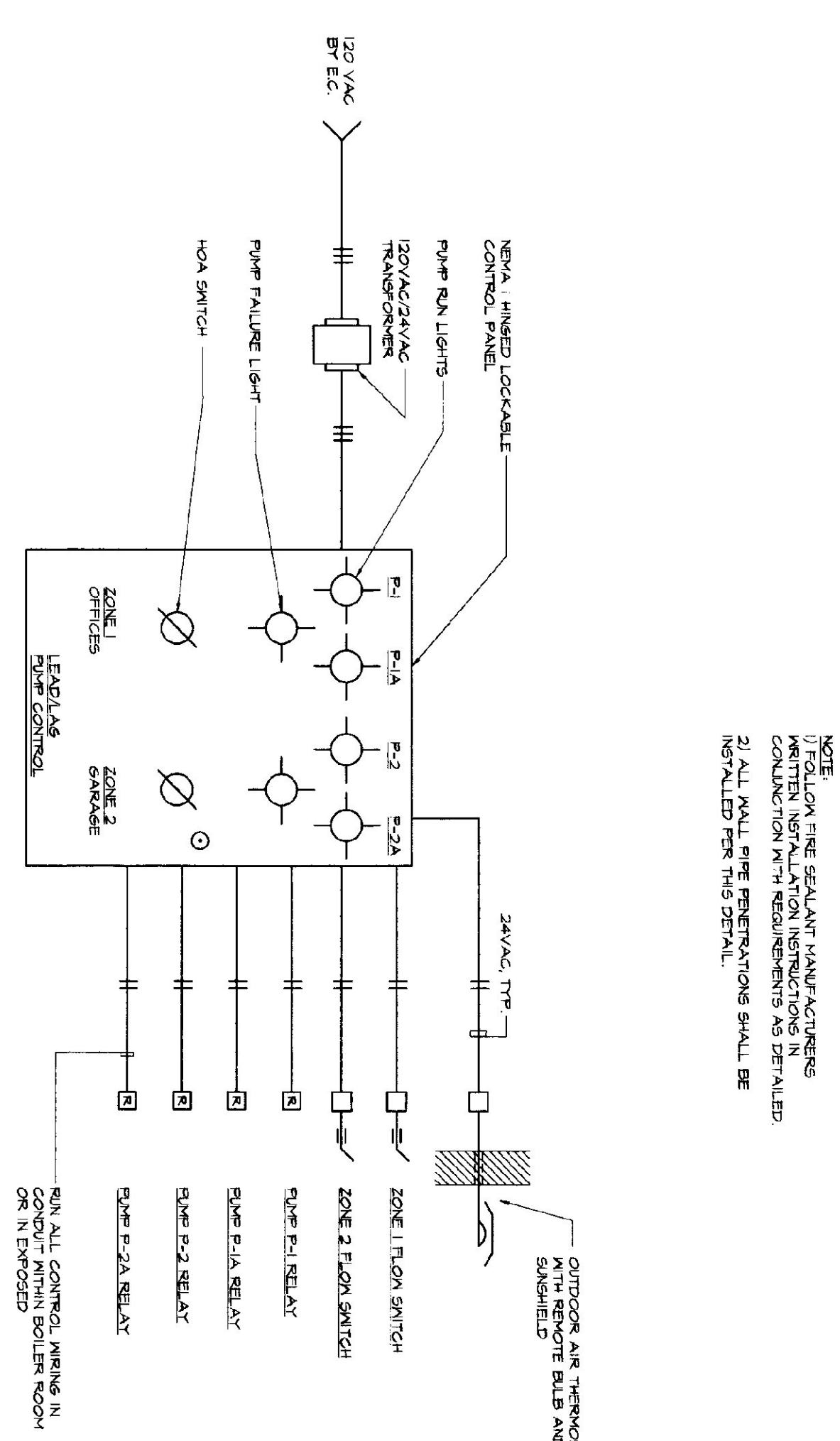
INLINE PUMP DETAIL
NOT TO SCALE



BOILER PIPING DETAIL
NOT TO SCALE

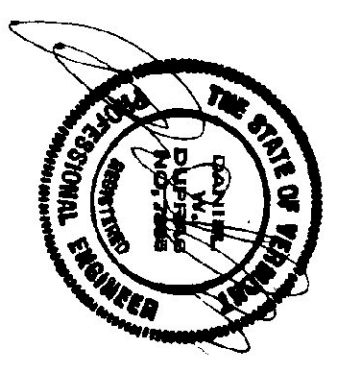


WALL PIPE PENETRATION DETAILS
NOT TO SCALE



LEADLAG PUMP CONTROL PANEL SCHEMATIC
NOT TO SCALE

NOTE: SUBMIT COMPLETE CONTROL SYSTEM WIRING DIAGRAMS AND CONTROL PANEL DETAIL.



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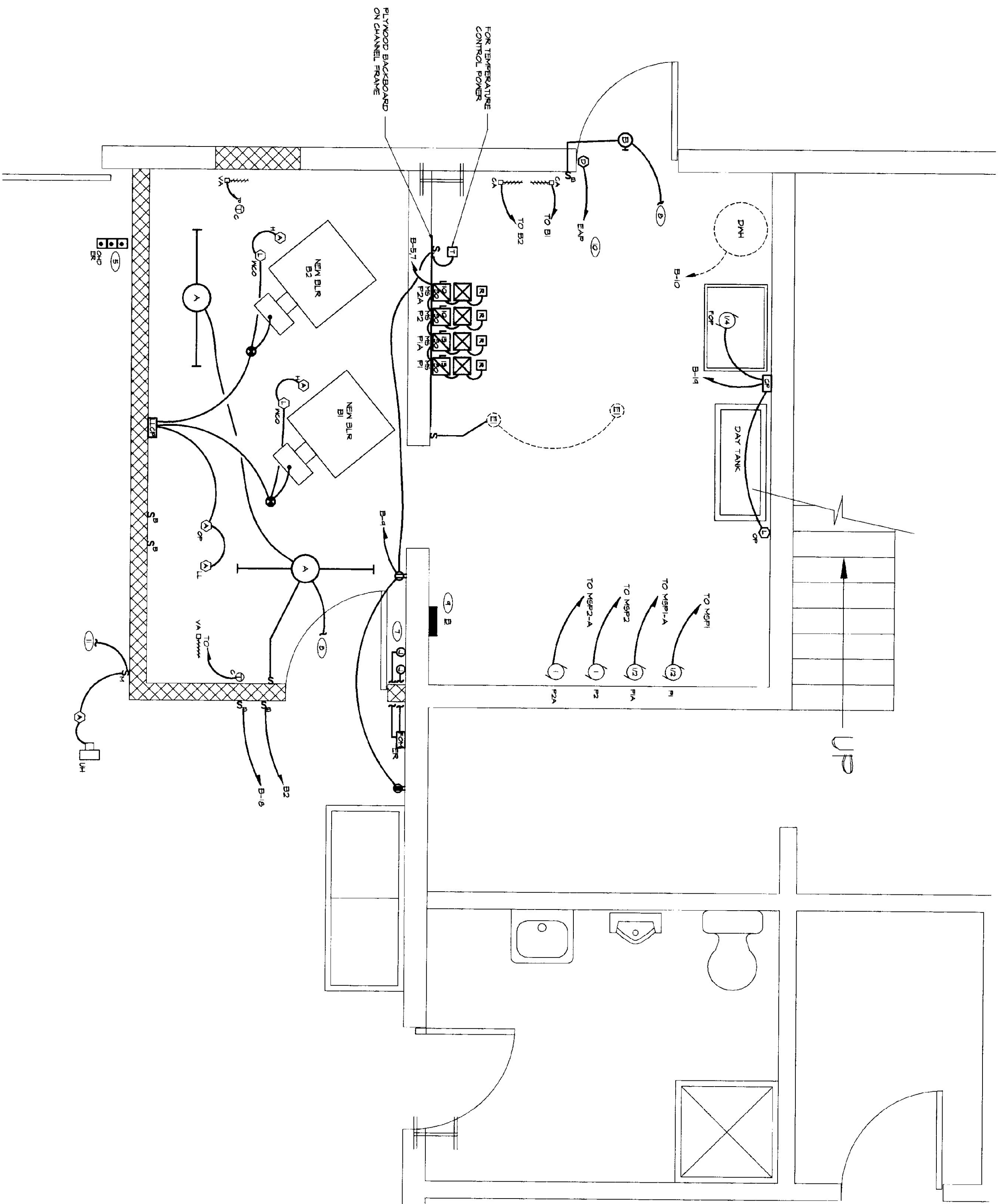


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MECHANICAL DETAILS AND MATERIAL SPECIFICATIONS

BENNINGTON DISTRICT NO. 1 AOT MAINTENANCE GARAGE PHASE I - HEATING SYSTEM RENOVATION

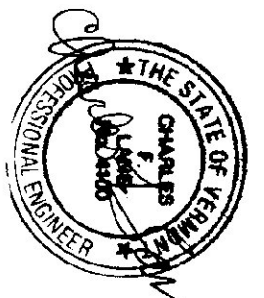
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PARTIAL ENLARGED BOILER ROOM PLAN
SCALE: 1/2" = 1'-0"

ELECTRICAL GENERAL NOTES AND MATERIAL SPECIFICATIONS

- GENERAL.**
ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE U.L. LISTING, THEREOF. ALL WORK IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER TO THE FULL HORIZONTAL AND VERTICAL.
ALL OUTLETS SHALL BE PLUMB BOTH HORIZONTAL AND VERTICAL.
REMOVALS
SELECTED EXISTING ELECTRICAL WORK SHALL BE REMOVED AND LEGALLY DISPOSED OF AS INDICATED ON THE DRAWINGS. FIELD VERIFY EXTENT OF REMOVALS PRIOR TO BIDDING.
EXISTING CONCEALED WIRING MAY BE CUT-OFF, CAPPED AND ABANDONED IN PLACE. REUSE OF EXISTING EQUIPMENT.
WHERE INDICATED ON THE DRAWINGS EXISTING FIXTURES AND EQUIPMENT SHALL BE REUSED AND RE-INSTALLED. THE CONTRACTOR SHALL REMOVE AND RE-INSTALL FIXTURES.
ANY EXISTING FIXTURES OR EQUIPMENT BROKEN BY THIS CONTRACTOR SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. THIS CONTRACTOR SHALL DOCUMENT, IN WRITING, ANY EXISTING DAMAGE, MISSING PARTS, ETC., PRIOR TO RECOVERING THE FIXTURES.
INTERSECTION OF SERVICES
WHERE THE WORK REQUIRES INTERRUPTION OF EXISTING SERVICES, SHUTDOWN AT NIGHT OR AT TIMES AS DIRECTED BY THE OWNER THAT DO NOT INTERFERE WITH EXISTING OPERATING ROOMS, ARRANGE TO WORK CONTRACTOR'S INTERFERENCE WITH EXISTING SERVICES AS EARLY AS POSSIBLE. THE CONTRACTOR SHALL REMOVE AS FAR AS POSSIBLE. UPON RESTORATION OF SERVICE, VERIFY THAT ALL SYSTEMS AND EQUIPMENT ARE OPERATING NORMALLY.
EXISTING SERVICES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. REPAIR SERVICES BROKEN DURING THE WORK AS SOON AS POSSIBLE. AT NO ADDITIONAL COST TO THE OWNER.
WIRE AND CABLE
CONDUCTORS SHALL BE COPPER, 600V INSULATION TYPE, THIN THIN OR XHHW 600V DRY LOCATIONS. CABLES SHALL BE TYPE MC WITH OVERALL METALLIC SHEATHING. ALL WIRING SHALL BE INDIVIDUAL CONDUCTORS IN EMT CONDUIT FOR EXPOSED WIRING. ALL WIRING SHALL BE INDIVIDUAL CONDUCTORS IN UNFINISHED SPACES USING CONDUIT CONCEAL. NEW WORK IN ALL WIRING SHALL BE CABLE AND IN EXISTING WOOD OR METAL FRAME CONSTRUCTION WHERE FINISHING IS POSSIBLE.
EQUIPMENT PROVIDED BY OTHER TRADES
THE MECHANICAL CONTRACTOR SHALL PROVIDE BOILERS, PUMPS, VALVES, TEMPERATURE SENSORS, THERMOSTATS, DAMPERS, AND CONTROL POWER TRANSFORMERS, WATER TO THE DIVISION IS SPECIFICATION AND M SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
TEMPERATURE CONTROL SYSTEM AND ALL LOW VOLTAGE (24VAC) WIRING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE TRANSFORMERS, ALTERNATORS, AND SIMILAR DEVICES AS SPECIFIED IN DIVISION B AND AS INDICATED ON THE M SERIES DRAWINGS.
THIS CONTRACTOR SHALL PROVIDE ALL OTHER POWER AND CONTROL WIRING NECESSARY FOR THE COMPLETE INSTALLATION OF ALL EQUIPMENT, BOXES, AND MIXING DEVICES.
OUTLET, JUNCTION AND PULL BOXES SHALL BE STANDARD STAMPED GALVANIZED STEEL. ALL WIRING SHALL BE INDIVIDUAL CONDUCTORS IN EMT CONDUIT. APPLICATION AND NEC REQUIREMENTS. WEATHER PROOF BOXES SHALL BE CAST TYPE WITH THERMOID HBS.
WIRING DEVICES SHALL BE EQUAL TO LEVITON COMMERCIAL SPECIFICATION GRADE. WHITE COLOR. GOSWAMI SERIES SWITCHES AT 15A, 120/277V, 120-148V, 20A SINGLE RECEPTACLES (S980N) 15A, 120/277V, 120-148V, 20A SINGLE RECEPTACLES (S980N) 15A, 120/277V, 120-148V. SERIES W/100 WALL PLATES FOR ALL DEVICES EXCEPT PROVIDE CAST SANITIZED WALL PLATES WITH HINGED DEVICE LIDS FOR WEATHER PROOF APPLICATIONS.
CIRCUIT BREAKERS FOR EXISTING PANELBOARDS
PROVIDE THERMAL-MAGNETIC VOLTAGE CASE CIRCUIT BREAKERS TO FIT EXISTING SQUARE D TYPE OO PANELBOARDS. MINIMUM INTERRUPTING RATING SHALL BE 10000 AIC.
LIGHT FIXTURES
TYPE A SHALL BE EQUAL TO LITONIA C-282-120-CE2 WITH 2-32W T8 LAMPS AND ELECTRONIC BALLAST.
TYPE B SHALL BE EQUAL TO LITONIA TAC-KOH-120 CUT-OFF WALL PACK WITH 20W FLUORESCENT LAMP AND HIGH REFLECTIVE HIGH FORMER BALLAST FOR 20-20 DIES, 1" STAINLESS.
DISCONNECT SWITCHES
PROVIDE GENERAL DUTY, 3-POLY PHASE DISCONNECT SWITCHES EQUAL TO SQUARE D BUSHBROOK MULTISTEP.
BURNER ACCESSORIES
PROVIDE BOX COVER MOUNTED FIB-O-MATIC SWITCH EQUAL TO SMITH-KORNE WITH 1500.
PROVIDE BURNER DISCONNECT SWITCHES CONSISTING OF A LONGPOWER, RATED, BROWN TOGGLE SWITCH WITH REAL PAINTED METAL COVER WITH WHITE LETTERS, BOLT BURNER DISCONNECT OFF.
ENTRY ALARM SYSTEM
PROVIDE MODIFICATION TO THE EXISTING ENTRY ALARM SYSTEM AS INDICATED ON THE DRAWINGS. PROVIDE MATERIALS AND INSTALLATION AS DIRECTED BY THE FIRM. VERIFY THE EXISTING SYSTEM VERIFY EXACT REQUIREMENTS PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BIDE B0.



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ENLARGED BOILER ROOM PLAN AND DETAILS

BENNINGTON DISTRICT NO. 1 AOT MAINTENANCE GARAGE PHASE I - HEATING SYSTEM RENOVATION

APPRO:	CFL	DRAWN:	P.E.	SCALE:	AS NOTED	FIG. NO.	0033-01
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