

BUCHANAN MUNICIPAL BUILDING
236 TATE AVE,
BUCHANAN, N.Y. 10511

LIGHTING FIXTURE SCHEDULE							
FIXTURE TYPE	SYMBOL	DESCRIPTION	MFG. CATALOG NO.	LAMP DATA INFO.	VOLTAGE	MOUNTING	REMARKS
EXIT/EM		COMBINATION EXIT/EM	SURE LITE #EVC-U-G-W	LED AS SUPPLIED	120V	SURFACE	PROVIDE RECESSED BACKBOX
NOTES							

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE STATE'S LATEST ADOPTED NFPA AND LOCAL SUPPLEMENTS.
- VERIFY EXACT LOCATION OF EQUIPMENT, SHOWN OR NOT SHOWN, IN FIELD PRIOR TO PERFORMING ANY WORK.
- CONDUITS SHALL BE PROPERLY SUPPORTED FROM CEILING DECK ABOVE. NO CONDUIT SHALL BE SECURED TO, SUPPORTED BY OR HUNG FROM DUCTWORK OR PIPING OR OTHER SUCH ITEMS.
- APPLY LABELING ON CONDUIT FOR BUILDING ALARM CIRCUITRY AT INTERVALS OF 20 FT.
- PROVIDE BLANK COVERS ON ABANDONED OR UNUSED OUTLET BOXES.
- MAKE FINAL CONNECTIONS FOR MOTORIZED EQUIPMENT OR EQUIP. SUBJECT TO VIBRATION, WITH FLEXIBLE RACEWAY.
- LOCATIONS OF OUTLETS ARE APPROXIMATE AND FINAL LOCATION SHALL BE AS DIRECTED BY THE ENGINEER. VERIFY ALL LOCATIONS BEFORE INSTALLATION. NO EXTRAS WILL BE ALLOWED FOR CHANGES UP TO 10'-0" FROM LOCATION SHOWN ON PLAN PRIOR TO ROUGH-IN.
- REFER TO THE MECHANICAL/PLUMBING EQUIPMENT APPROVED SHOP DRAWINGS AND WIRING DIAGRAMS FOR POWER, CONTROL AND ALARM WIRING CONNECTIONS. OBTAIN NECESSARY POWER, CONTROL AND ALARM WIRING REQUIREMENTS FROM MECHANICAL/PLUMBING SUB-CONTRACTORS PRIOR TO BID AND INCLUDE IN BID.

FIRE ALARM GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL PROVIDE THE SERVICES OF A LICENSED FIRE ALARM VENDOR IN BID.
- ALL WIRES SHALL BE PLENUM RATED FIRE ALARM CABLES, 150°C. ALL WIRES SHALL BE RUN IN EMT CONDUIT WITH COMPRESSION FITTINGS.
- ALL NEW EQUIPMENT SHALL BE FULLY COMPATIBLE WITH EXISTING FACP.
- PROVIDE LOOP CARDS, EXPANSION CARD AMPLIFIERS OR OTHER EQUIPMENT AS REQUIRED FOR ALL NEW DEVICES.
- PROVIDE NEW (INCLUDING BUT NOT LIMITED TO):
 - SMOKE DETECTORS
 - HEAT DETECTORS
 - PULL STATION
 - HORN STROBES
 - STROBES
 - CARBON MONOXIDE DETECTORS
 - MISC FIRE ALARM EQUIPMENT AND DEVICES.

FIRE ALARM SEQUENCE OF OPERATION

- IT IS NOT THE INTENT TO ALTER THE EXISTING APPROVED FIRE ALARM SEQUENCE OF OPERATIONS.

ELECTRICAL NOTES:

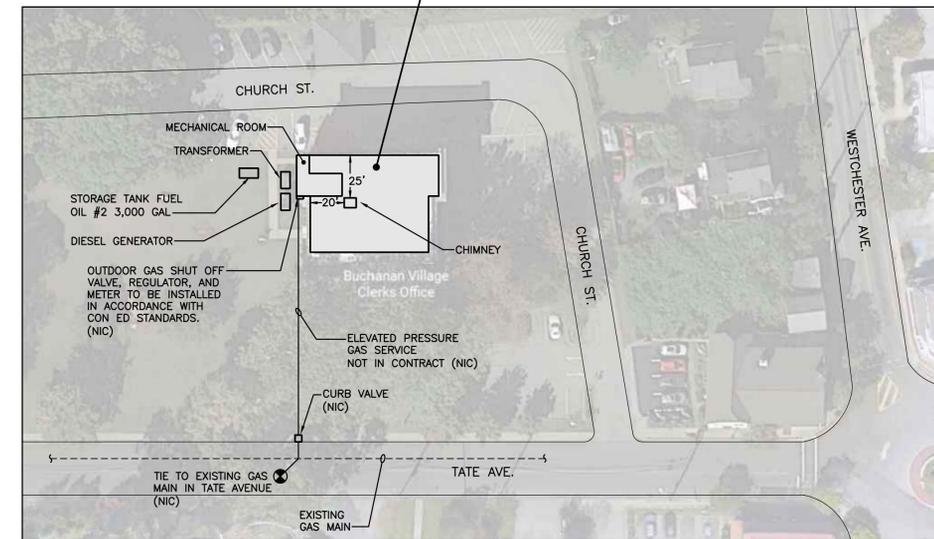
PROVIDE 120V STAND ALONE HEAT DETECTOR, 135° FIXED TEMP WITH DUAL CONTACT FOR BOILER SHUTDOWN UPON ACTIVATION. PROVIDE NEW STAND ALONE SMOKE/CO DETECTOR, SMOKE DETECTOR, AND HORN STROBES WITH CIRCUITRY BETWEEN.

ELECTRICAL REMOVAL NOTES:

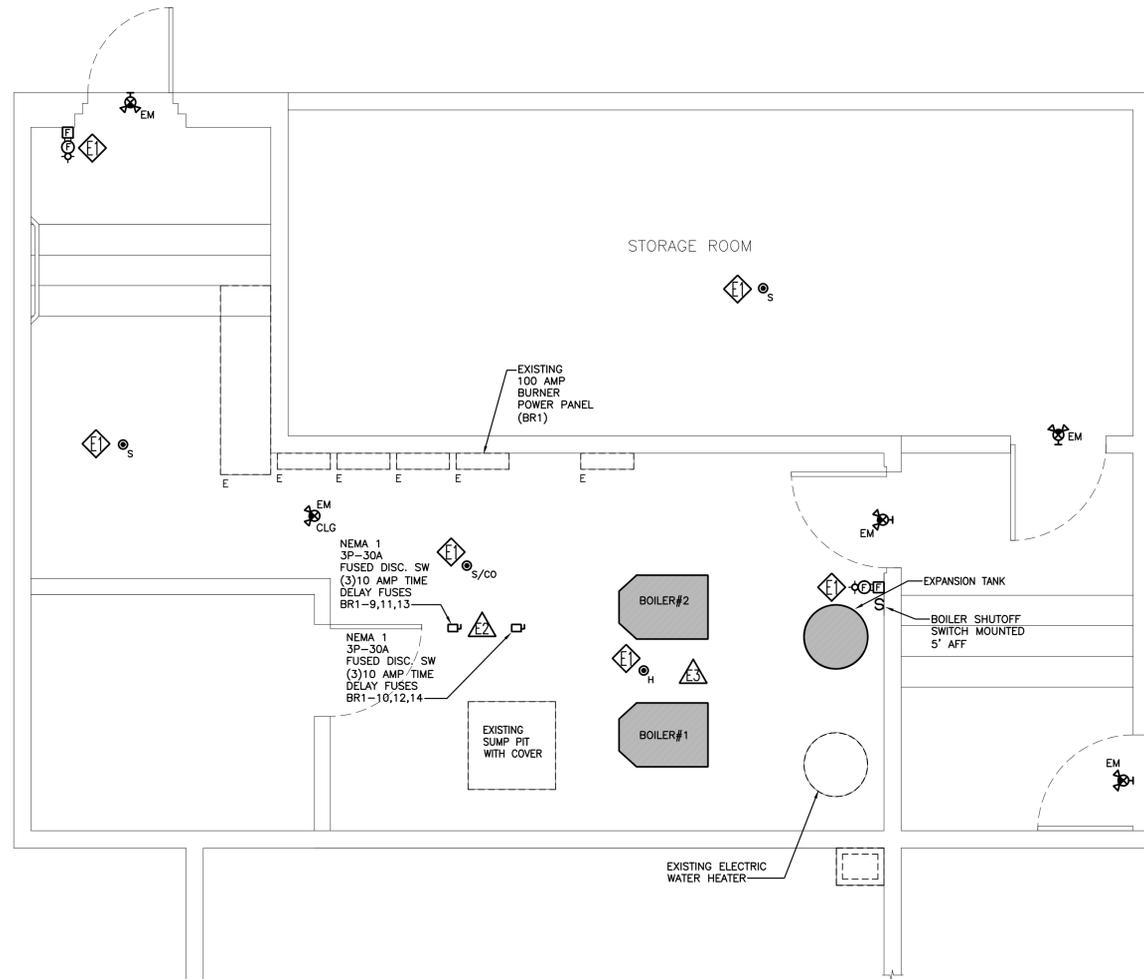
EC SHALL DISCONNECT/REMOVE CIRCUITRY OF EXISTING STARTERS, CIRCULATOR PUMPS, AND BOILER BACK TO SOURCE.

IN CIRCUIT #'S BR1-9,11,13 REMOVE (1) EXISTING 3P-20 AMP CB MADE SPARE BY REMOVALS. PROVIDE (1) NEW MATCHING 3P-30 AMP CB, RUN (4) #10, #12 GND THWN CU IN 1" EMT.C TO EACH FUSED PUMP DISCONNECT. FOR EACH 3HP PUMP PROVIDE NEMA 1 3P-30 AMP FUSED DISCONNECT SWITCH.

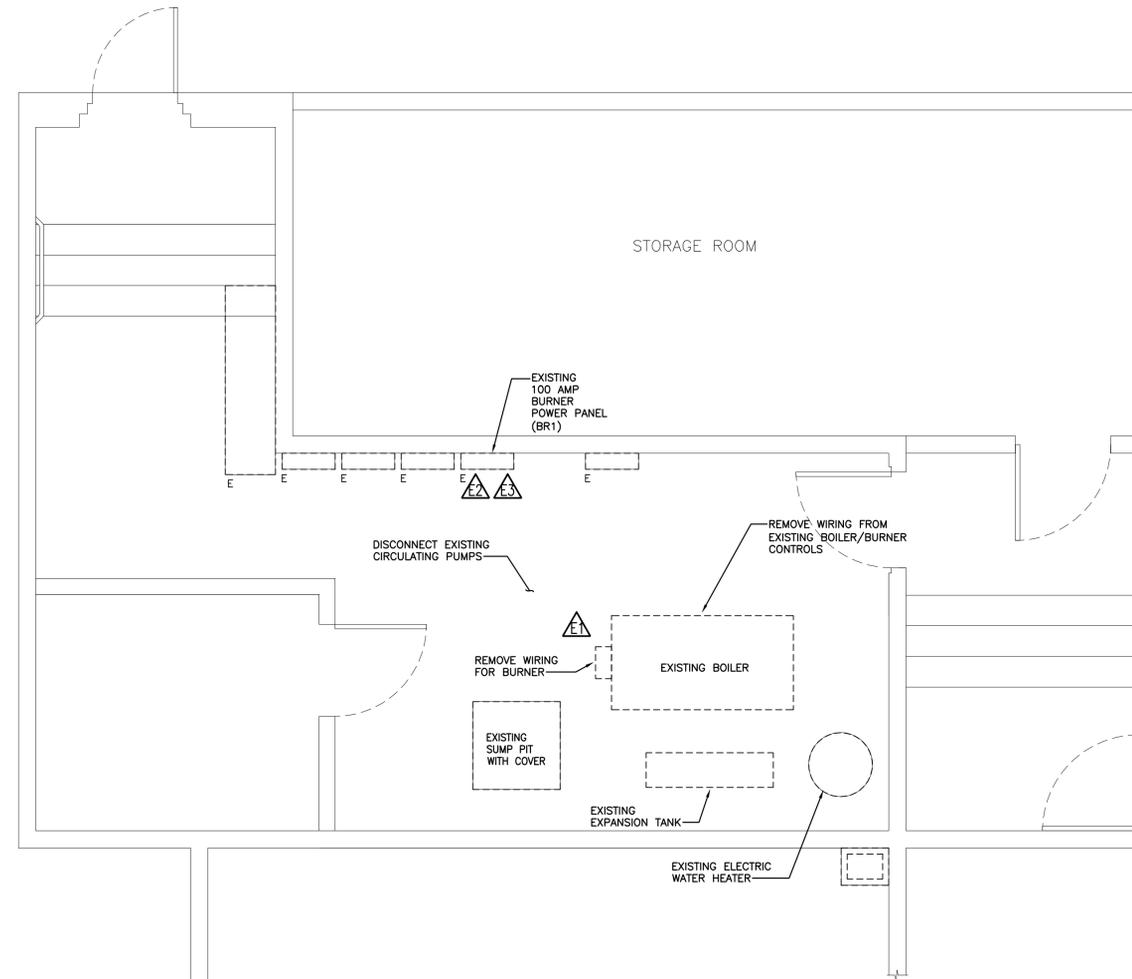
IN CIRCUIT #'S BR1-10,12,14 REMOVE (1) EXISTING 3P-20 AMP CB MADE SPARE BY REMOVALS. PROVIDE (3) NEW MATCHING 1P-20A CIRCUIT BREAKERS. FOR EACH BOILER AND BOILER PUMP RUN (2) #12, #12 GND THWN CU 1" EMT.C.



3 PLOT PLAN
ME-1 APPROXIMATE SCALE 1" = 50'-0" NORTH



2 FLOOR PLAN-ELECTRICAL NEW WORK
ME-1 SCALE: 3/8" = 1'-0"



1 FLOOR PLAN-ELECTRICAL REMOVAL WORK
ME-1 SCALE: 3/8" = 1'-0"

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BOILER REPLACEMENT

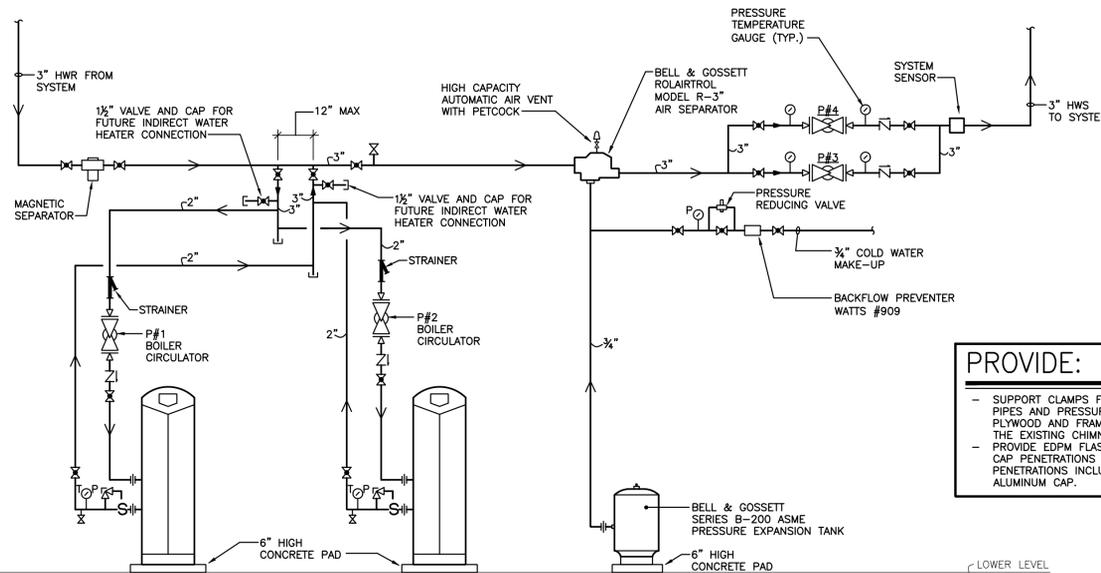
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Revisions		
No.	Date	Comments

PROJECT NUMBER: 2246
Scale: AS NOTED Date: 10/31/2022
Drawing Title
MECHANICAL PLOT PAN, FLOOR PLAN, SCHEDULES & NOTES

Drawing No.
ME-1



TWO (2) GAS FIRED CONDENSING BOILERS LOCHINVAR MODEL KBX0400
400,000 BTUH INPUT EACH
337,000 NET IBR OUTPUT EACH

3 BOILER SCHEMATIC PIPING DIAGRAM
M-1 NOT TO SCALE

PUMP SCHEDULE											
PUMP No.	SERVICE	MFR.	MODEL	SIZE	SUCTION	DISCHARGE	GPM.	HEAD	RPM.	H.P.	NOTES
P#1-P#2	BOILER PRIMARY	BELL & GOSSETT	PL	45	1½"	1½"	30	10	3,300	1/6	120V/1Ø, PROVIDE REDUCER 1½" TO 2" ON EACH SIDE
P#3-P#4	HW SECONDARY	BELL & GOSSETT	E-90	1.25 AAB	1½"	1½"	60	60	3,600	3	208V/3Ø, PROVIDE REDUCER 1½" TO 3" ON EACH SIDE

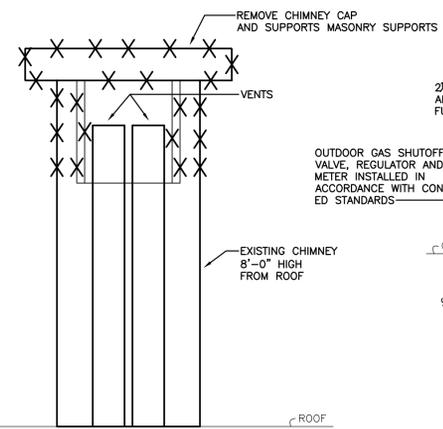
NOTE: -

LEGEND	
SYMBOL	DESCRIPTION
— G —	NATURAL GAS
— R —	REDUCER
→	DIRECTION OF FLOW
— U —	UNION
---	EXISTING
-X-X-	REMOVAL
---	NEW
⊕	CONNECT TO EXISTING
⊙	PRESSURE GAUGE
TOP	TEMPERATURE & PRESSURE GAUGE
⊘	RELIEF VALVE
⊕	AIR VENT W/ PETCOCK
⊕	IN-LINE CIRCULATING PUMP
⊕	BACK-FLOW PREVENTER
⊕	STRAINER
⊕	THERMOSTAT
⊕	AIR SEPARATOR
⊕	CHECK VALVE
⊕	SHUT-OFF VALVE
⊕	GLOBE VALVE
⊕	FLOW CONTROL VALVE
⊕	PRESSURE REDUCING VALVE
⊕	MANUAL FIRE ALARM STATION
⊕	FIRE ALARM SIGNAL AUDIO/VISUAL TYPE
⊕	CARBON MONOXIDE DETECTOR
⊕	HEAT DETECTOR 135°F FIXED TEMP. RR DENOTES RATE-OF RISE
⊕	CEILING SMOKE DETECTOR PHOTO ELECTRIC TYPE
⊕	COMBINATION SMOKE/CO DETECTOR
⊕	FUSED DISCONNECT SWITCH- SIZE PER INTENDED USE. UNFUSE WHERE NOT REQUIRED
⊕	DIAMETER
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN

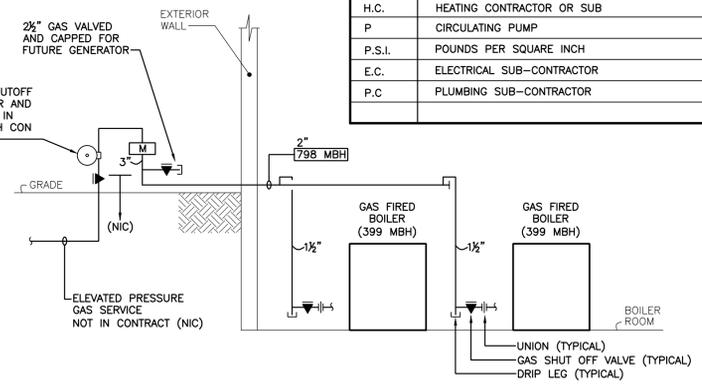
ABBREVIATIONS	
DN	DOWN
G.P.M.	GALLONS PER MINUTE
H.C.	HEATING CONTRACTOR OR SUB
P	CIRCULATING PUMP
P.S.I.	POUNDS PER SQUARE INCH
E.C.	ELECTRICAL SUB-CONTRACTOR
P.C.	PLUMBING SUB-CONTRACTOR

PROVIDE:

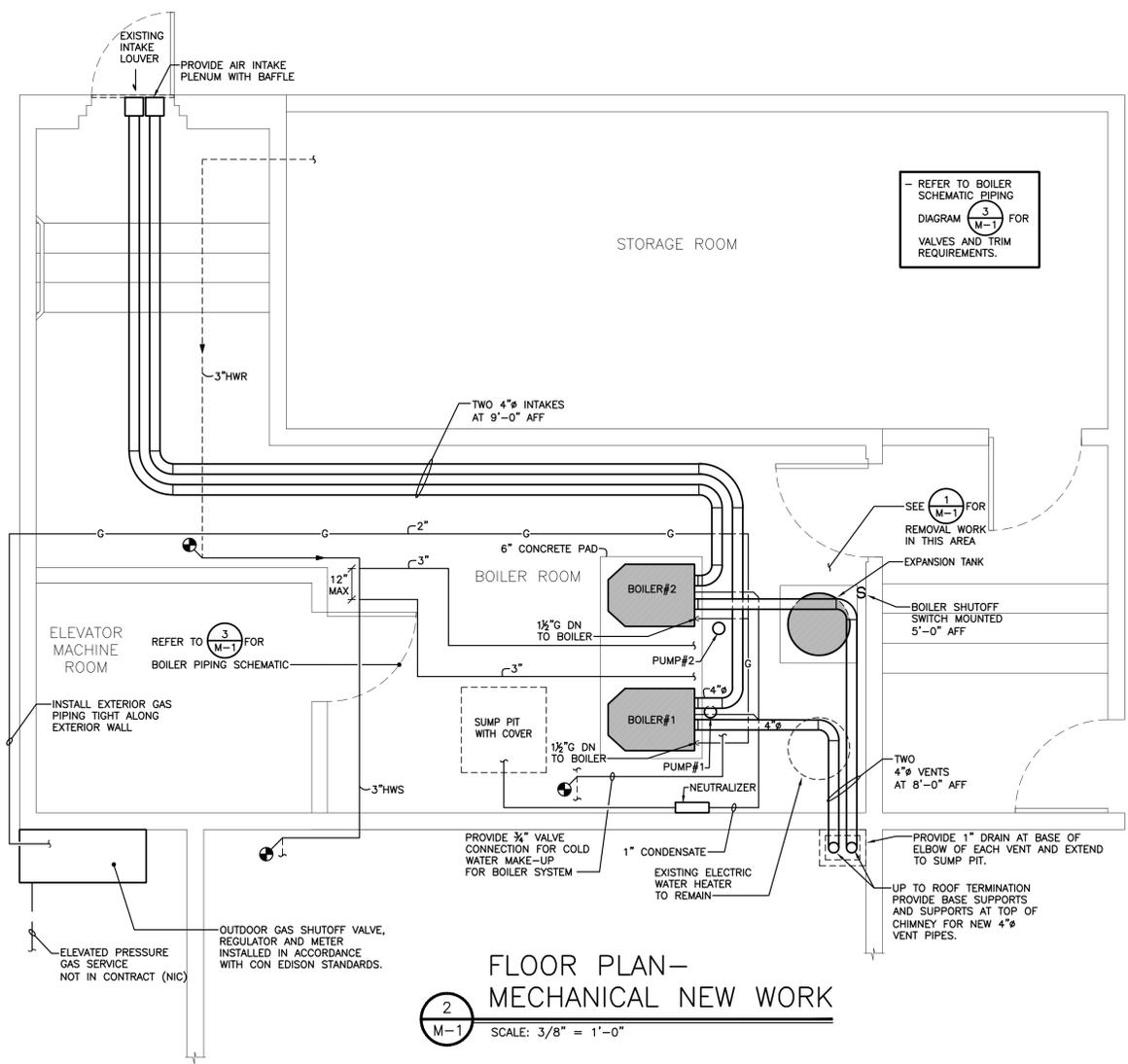
- SUPPORT CLAMPS FOR THE VENT PIPES AND PRESSURE TREATED PLYWOOD AND FRAMING TO CAP THE EXISTING CHIMNEY.
- PROVIDE EDPM FLASHING FOR VENT CAP PENETRATIONS AND VENT PIPE PENETRATIONS INCLUDE NEW ALUMINUM CAP.



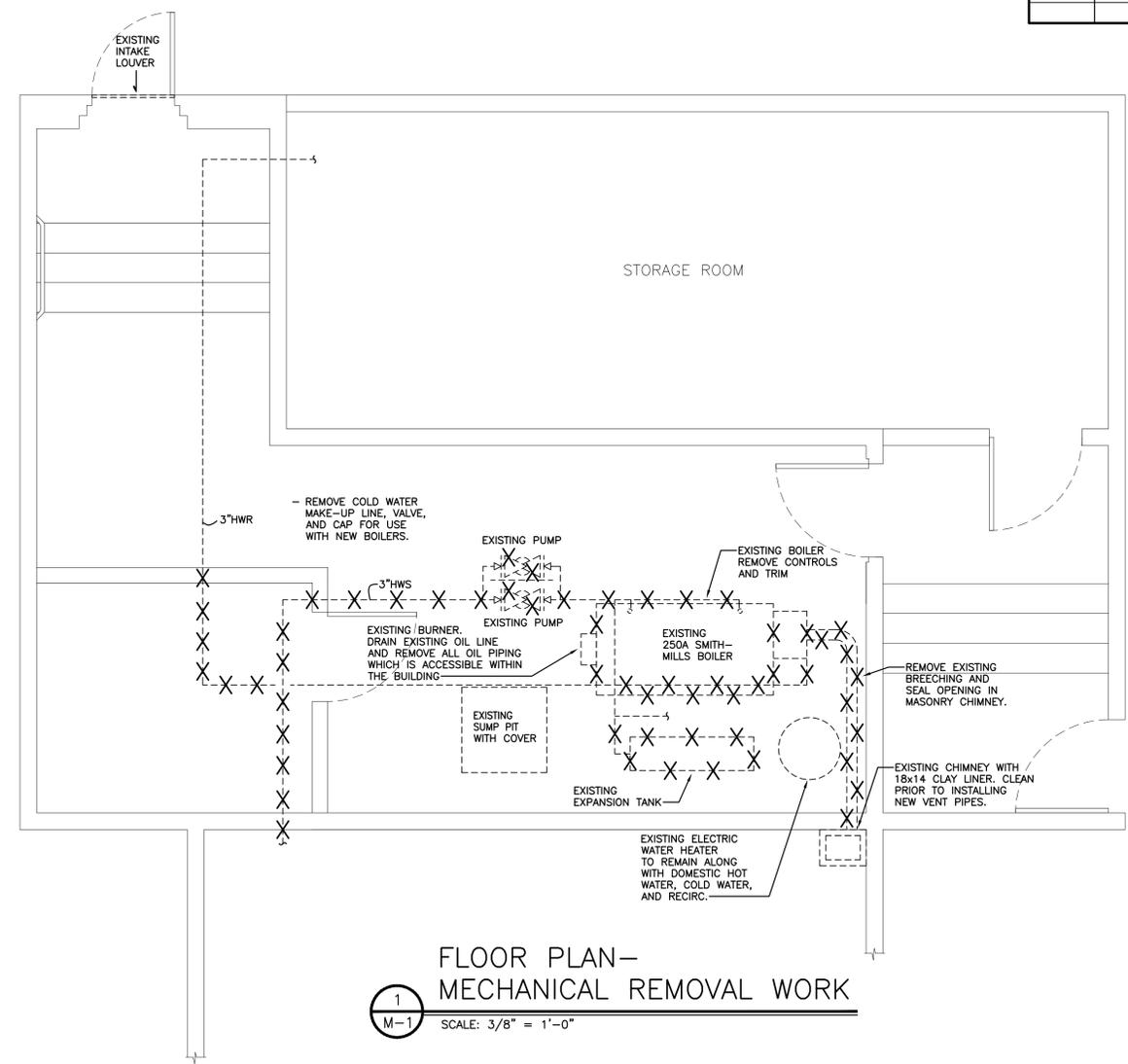
4 CHIMNEY VENT TERMINATION DETAIL
M-1 NOT TO SCALE



5 GAS RISER DIAGRAM
M-1 NOT TO SCALE



2 FLOOR PLAN—MECHANICAL NEW WORK
M-1 SCALE: 3/8" = 1'-0"



1 FLOOR PLAN—MECHANICAL REMOVAL WORK
M-1 SCALE: 3/8" = 1'-0"

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MECHANICAL FLOOR PLAN, BOILER SCHEMATIC & SCHEDULES

Drawing No.
M-1