

A

B

C

D

E

F

G

three inches = one foot

one and one half inches = one foot

one inch = one foot

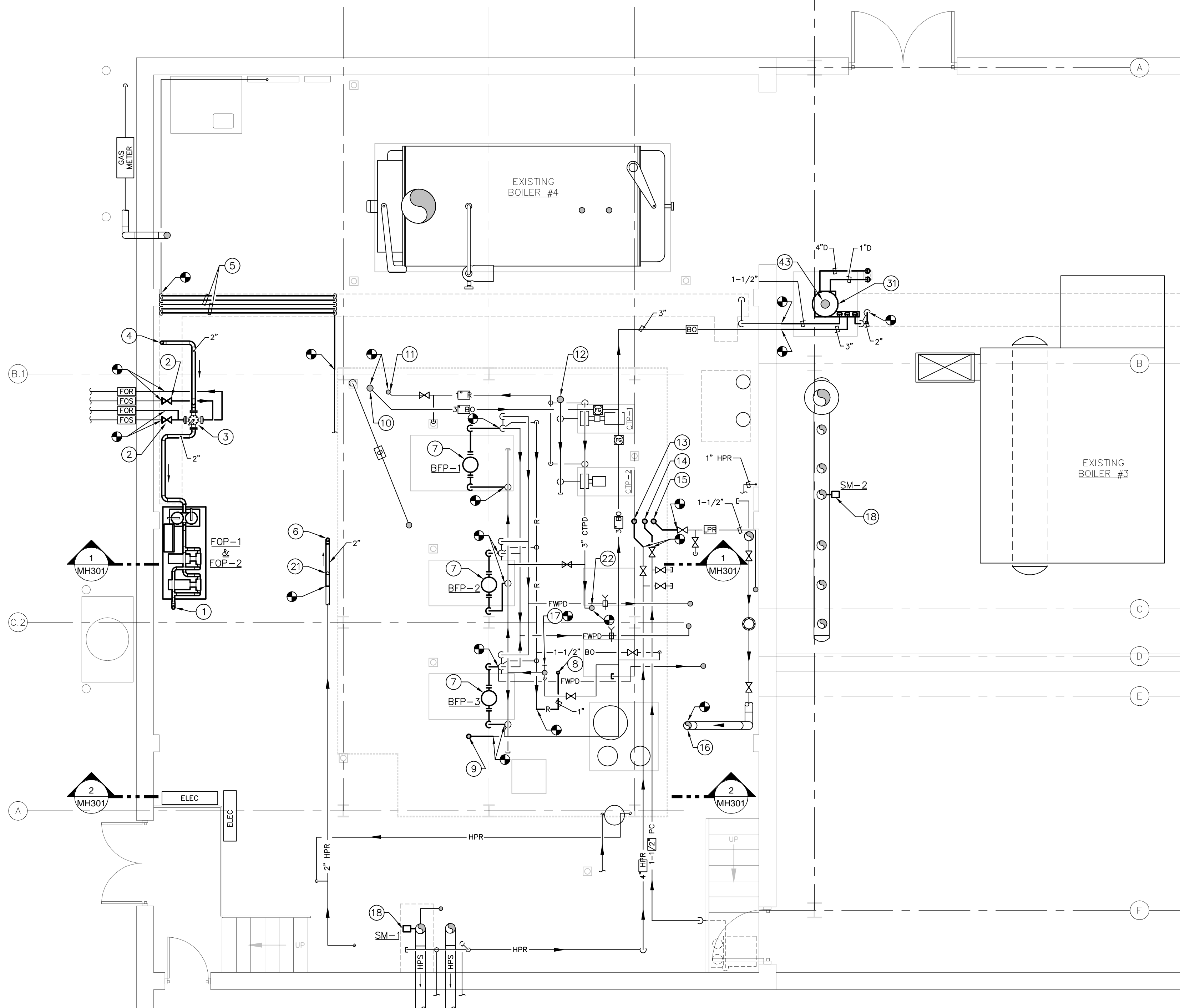
three quarters inch = one foot

one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

one eighth inch = one foot



1 MECHANICAL PUMP ROOM PLAN ELEV 358'-0"  
MH101 Scale: 1/4"=1'-0"

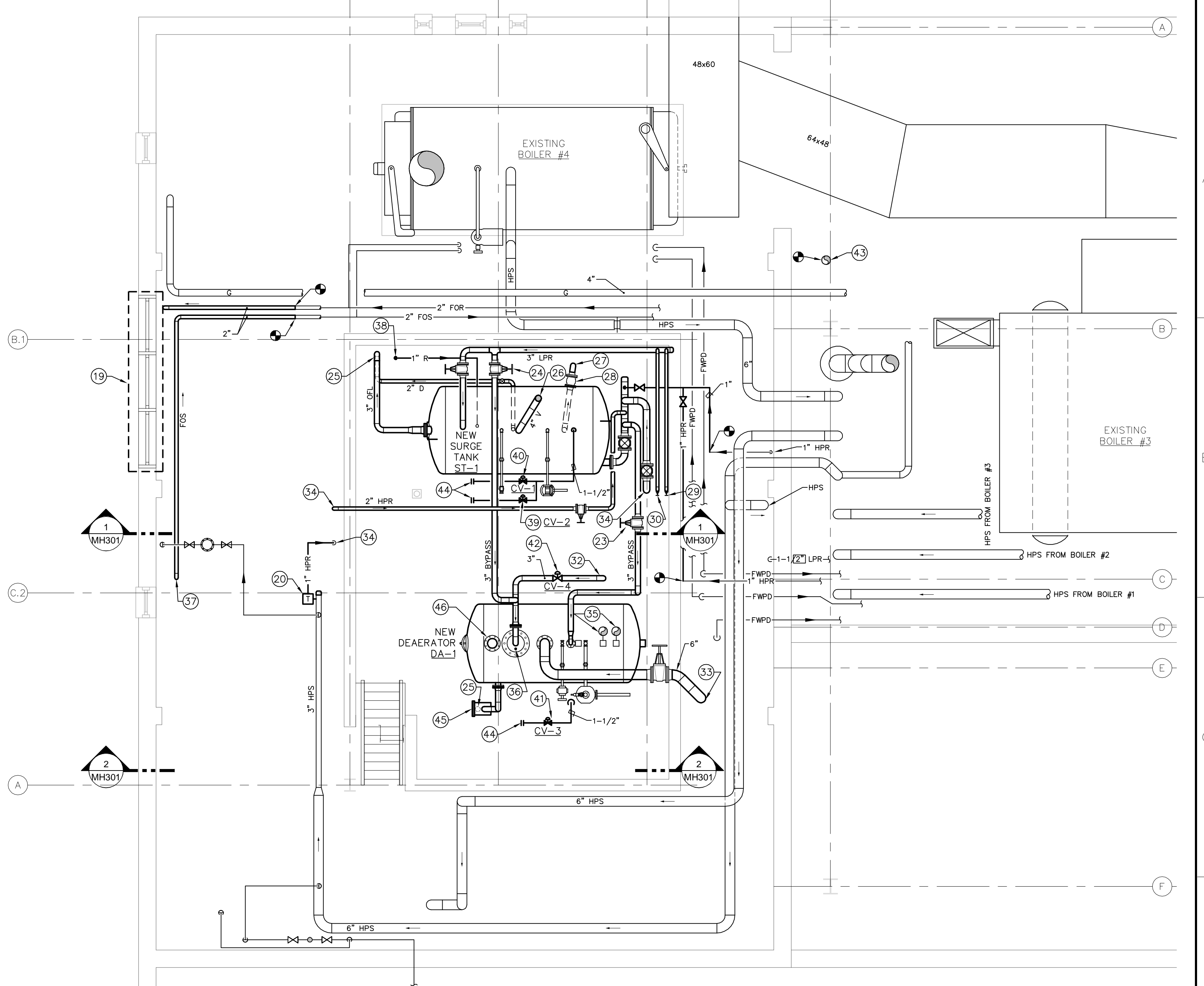
GENERAL NOTES

WHEREVER THE TERM "REMOVE" OR "DEMOLISH" IS USED, THE INTENT OF THE TERMS SHALL BE TO "REMOVE AND DISPOSE OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, FEDERAL, EPA AND DEP REGULATIONS".

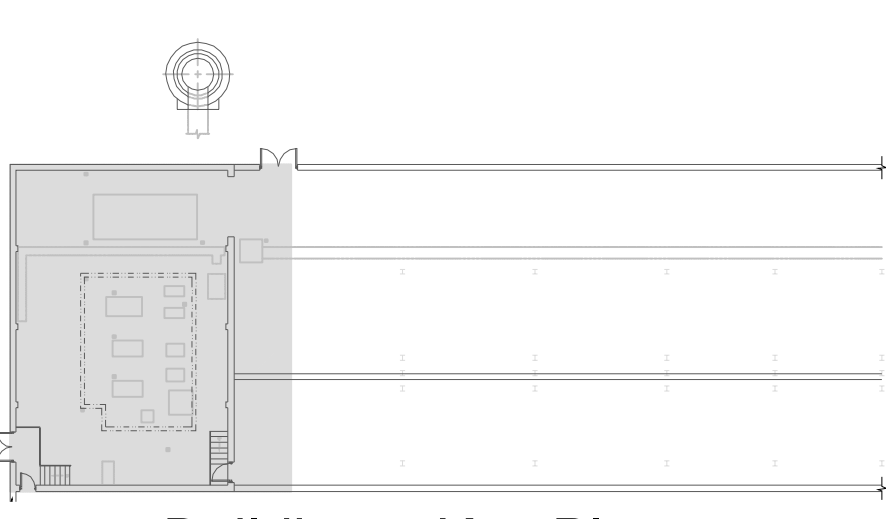
WHEREVER THE TERM "PROVIDE" OR "NEW" IS USED, THE INTENT OF THE TERMS SHALL BE TO "PROVIDE AND INSTALL".

DRAWING KEY NOTES

- NEW FUEL OIL SUPPLY PIPING UP.
- NEW FIRE SAFETY FUEL SHUT-OFF VALVE AT BUILDING ENTRANCE.
- NEW TANK SELECTOR VALVE.
- NEW FUEL OIL RETURN PIPING UP.
- NEW 3/4" SAMPLE PIPING. RUN NEW PIPING MINIMUM 10'-0" AFF.
- NEW HIGH PRESSURE CONDENSATE RETURN PIPING UP.
- NEW FEEDWATER PUMP.
- NEW FEEDWATER RECIRCULATION PIPING UP TO DEAERATOR.
- NEW BLOWDOWN/OVERFLOW PIPING FROM DEAERATOR.
- EXISTING BLOWDOWN PIPING UP. CONNECT TO NEW BLOWDOWN/OVERFLOW PIPING FROM SURGE TANK ABOVE.
- EXISTING CONDENSATE TRANSFER PUMP RECIRCULATION PIPING UP. CONNECT TO NEW CONDENSATE RECIRCULATION PIPING FROM SURGE TANK ABOVE.
- EXISTING CONDENSATE TRANSFER PUMP SUCTION PIPING UP. CONNECT TO NEW CONDENSATE PIPING FROM SURGE TANK ABOVE.
- NEW 4" HIGH PRESSURE CONDENSATE PIPING UP.
- NEW 1-1/2" PUMPED CONDENSATE PIPING UP.
- NEW 1-1/2" LOW PRESSURE CONDENSATE RETURN PIPING UP.
- EXISTING 5" LOW PRESSURE STEAM PIPING UP. CONNECT TO NEW 6" PIPING WITH CONCENTRIC REDUCER.
- EXISTING 3" FEEDWATER PUMP SUCTION PIPING UP. CONNECT TO NEW 3" PIPING FROM DEAERATOR ABOVE.
- NEW STEAM FLOW METER IN VERTICAL STEAM PIPING.
- WINDOWS AND PORTION OF EXISTING WALL WILL BE TEMPORARILY REMOVED TO ALLOW RIGGING OF NEW EQUIPMENT. COORDINATE WITH STRUCTURAL DRAWINGS.
- NEW END OF MAIN STEAM TRAP.
- NEW HIGH PRESSURE CONDENSATE RETURN FROM END OF MAIN STEAM TRAP ABOVE.
- EXISTING CONDENSATE TRANSFER PUMP DISCHARGE PIPING UP. CONNECT TO NEW PIPING SERVING DEAERATOR.
- NEW HIGH PRESSURE CONDENSATE BYPASS VALVE (SURGE TANK BYPASS).
- NEW LOW PRESSURE SURGE TANK BYPASS (NORMALLY CLOSED).
- NEW BLOWDOWN/OVERFLOW PIPING DOWN (UNDER).
- NEW SURGE TANK VENT UP THROUGH ROOF. UTILIZE EXISTING ROOF PENETRATION. REFER TO STRUCTURAL DETAIL FOR FLASHING REQUIREMENTS.
- NEW 3" PIPING DOWN TO CONDENSATE TRANSFER PUMPS BELOW. CONNECT TO EXISTING PIPING IN VERTICAL.
- NEW STRAINER.
- NEW 1-1/2" LOW PRESSURE CONDENSATE RETURN PIPING DOWN.
- NEW 1-1/2" PUMPED CONDENSATE RETURN PIPING DOWN.
- NEW BLOWDOWN SEPARATOR. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- NEW CONDENSATE TRANSFER PUMP DISCHARGE PIPING DOWN.
- NEW LOW PRESSURE STEAM PIPING DOWN. CONNECT TO EXISTING 5" LOW PRESSURE STEAM.
- NEW HIGH PRESSURE CONDENSATE RETURN PIPING DOWN.
- NEW PRESSURE RELIEF VALVE PIPING UP THROUGH ROOF. UTILIZE EXISTING ROOF PENETRATION FOR (1) RELIEF VALVE AND PROVIDE (1) NEW ROOF PENETRATION FOR SECOND RELIEF VALVE. REFER TO STRUCTURAL DETAIL FOR FLASHING REQUIREMENTS.
- NEW 1" DEAERATOR VENT UP THROUGH ROOF. PROVIDE NEW ROOF PENETRATION. REFER TO STRUCTURAL DETAIL FOR FLASHING REQUIREMENTS.
- NEW FUEL OIL SUPPLY PIPING DOWN.
- NEW CONDENSATE TRANSFER PUMP RECIRCULATION PIPING DOWN.
- NEW EMERGENCY MAKE-UP WATER CONTROL VALVE CV-2. EXTEND PNEUMATIC TUBING FROM EXISTING AIR SOURCE.
- NEW NORMAL MAKE-UP WATER CONTROL VALVE. EXTEND PNEUMATIC TUBING FROM EXISTING AIR SOURCE.
- NEW EMERGENCY MAKE-UP WATER CONTROL VALVE. EXTEND PNEUMATIC TUBING FROM EXISTING AIR SOURCE.
- NEW CONDENSATE CONTROL VALVE. REFER TO PIPING SCHEMATIC FOR VALVING REQUIREMENTS.
- NEW 6" BLOWDOWN SEPARATOR VENT UP.
- REFER TO DWG P101 FOR CONTINUATION OF MAKE-UP WATER PIPING.
- REMOTE OVERFLOW DRAINER.
- 3" FLANGED CONNECTION.



2 MECHANICAL PUMP ROOM PLAN ELEV 370'-0"  
MH101 Scale: 1/4"=1'-0"



Building 7 Key Plan

Revisions:	Date
4 Construction Documents	03-21-11
3 100% Review	04-30-10
2 90% Construction Documents	01-22-10
1 PROGRESS SET	07-20-09

ENGINEERS:

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FIRE PROTECTION:  
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CONSULTANTS:

STRUCTURAL:  
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Manchester, NH 03101  
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F: 603. 644. 5220

Drawing Title  
**MECHANICAL  
PUMP ROOM NEW WORK PLANS  
ELEVATION 358'-0" AND 370'-0"**

Approved: Safety Manager

Approved By: Project Engineer

Approved By: Chief, FMS

Project Title  
**BOILER PLANT MODIFICATIONS  
VETERANS INTEGRATED  
SERVICE NETWORK 1**

Location  
**MANCHESTER, N.H.**

Building #  
7

Scale  
AS NOTED

Checked  
CWP

Drawn  
MDB

Date  
03/21/2011

VA Project Number  
**608-11-110**

Drawing Number

**MH101**

Dwg. 11 of 20

**Office of  
Facilities  
Management**

