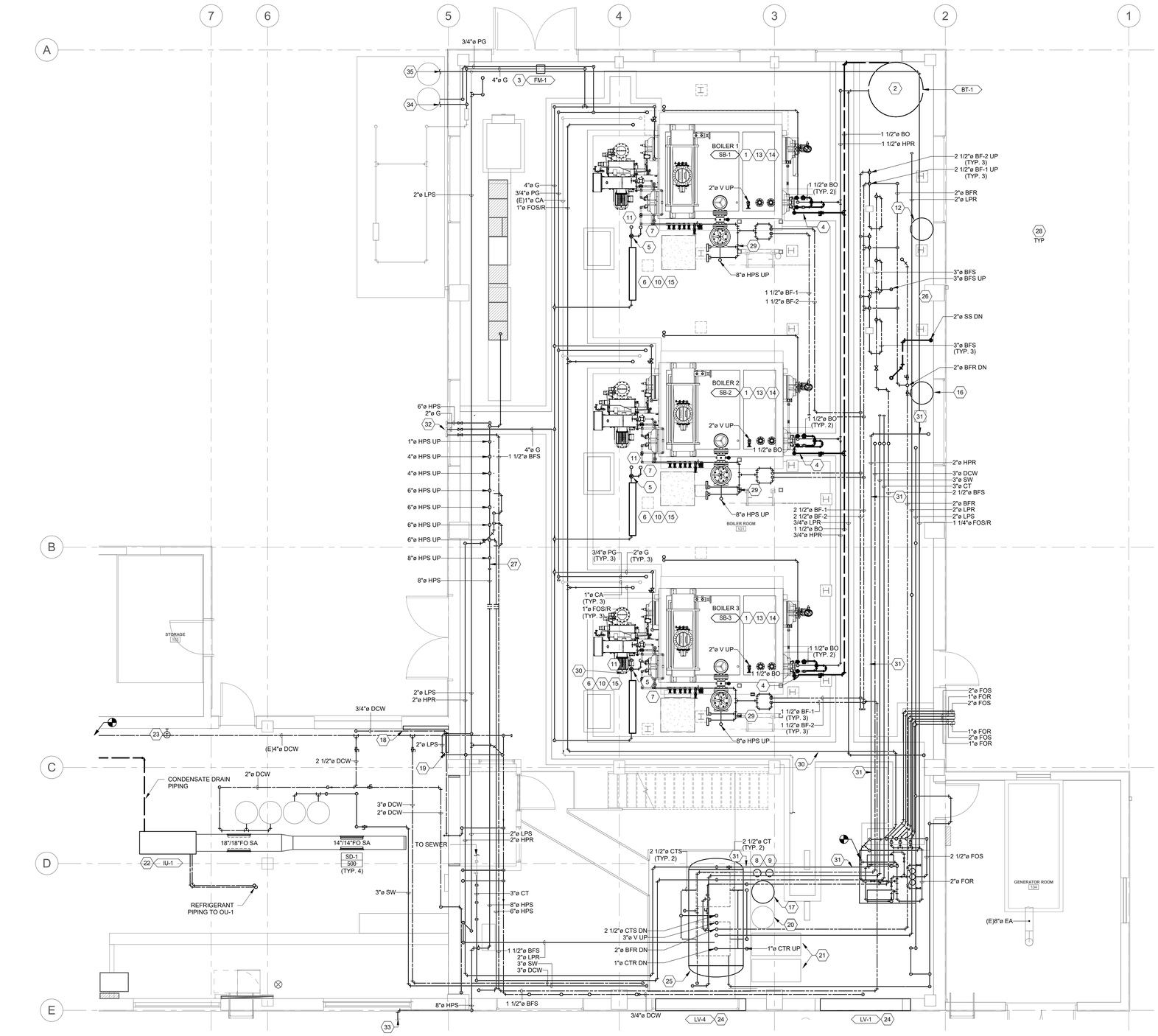

NORTH

F2 MECHANICAL NEW PLAN -LEVEL 1

SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1. CONTRACTOR TO PHASE NEW WORK WITH DEMOLITION TO MINIMIZE DOWNTIME. NEW WORK TO BE INSTALLED PRIOR TO FINAL DEMOLITION.
2. SCHEDULE SHUTDOWNS AND SWITCH OVER THE FACILITY. PROVIDE PLAN FOR APPROVAL 21 DAYS IN ADVANCE.
3. ALL PIPE PENETRATIONS THROUGH EXTERIOR WALLS, ROOFING, STAIRWAY WALLS AND MECHANICAL ROOM WALLS TO BE SEALED WITH FIRE RATED CAULK.
4. EXISTING BOILER PIPING SUPPORT TO BE MODIFIED TO SUPPORT NEW STEAM PIPING.
5. CONTRACTOR SHALL INCLUDE IN BID REPLACEMENT OF ALL EXISTING PIPE HANGERS WHERE PIPE IS BEING REPLACED.
6. ALL NEW STEAM AND BOILER FEED WATER PIPING SHALL BE VERIFIED WITH X-RAY TO ENSURE THAT WELDING IS PROPERLY SEALED.

SHEET KEYNOTES

1. INSTALL NEW WATER TUBE STEAM BOILER ON EXISTING CONCRETE PAD. MODIFY EXISTING PAD AS REQUIRED.
2. INSTALL NEW BLOWOFF TANK AND EXTEND NEW PIPING AS SHOWN.
3. INSTALL FLOW METER AT LOCATION SHOWN.
4. NEW BOILER BLOW DOWN PIPING TO NEW BLOWDOWN TANK.
5. PROVIDE NEW MANUAL 3 WAY VALVE WITH SWITCH FOR GAS CHANGEOVER.
6. PROVIDE NEW BOILER GAS FUEL TRAIN AND METER PER VA SPECIFICATIONS.
7. PROVIDE NEW WATER FEED METERS AND VALVING.
8. REPLACE EXISTING CHEMICAL FEED SYSTEM WITH NEW DISSOLVED SOLIDS SENSOR.
9. REPLACE EXISTING CHEMICAL TANKS AND ASSOCIATED FEED PUMPS.
10. CONTRACTOR SHALL MODIFY EXISTING GAS DETECTION SYSTEM AS REQUIRED TO INCORPORATE INTO NEW CONTROLS SYSTEM. EXTEND TESTING PORTS AS REQUIRED TO ALLOW FOR TESTING FROM GROUND LEVEL.
11. PROVIDE NEW EXHAUST GAS ANALYZER. INTEGRATE INTO NEW CONTROL SYSTEM WITH PROVISION FOR APPLYING CALIBRATION AND TEST GASES FROM FLOOR LEVEL.
12. INSTALL NEW AUTOMATIC CHEMICAL FEEDER FOR DEAERATOR IN SAME LOCATION AS EXISTING.
13. CONTRACTOR TO OFFSET VENT AS NECESSARY TO ALLOW NEW BOILER AND ASSOCIATED SAFETY VALVES TO BE INSTALLED. SEE SHEET ME502.
14. VENT ON BOILER STEAM DRUM TO EXTEND THROUGH ROOF.
15. PROVIDE NEW SPRING LOADED PIPE HANGAR. COORDINATE LOCATION WITH STRUCTURAL.
16. INSTALL NEW AUTOMATIC CHEMICAL FEEDER FOR BOILERS IN SAME LOCATION AS EXISTING.
17. INSTALL NEW AUTOMATIC CHEMICAL FEEDER FOR CONDENSATE TANK IN SAME LOCATION AS EXISTING.
18. BOILER METERS TO BE REPLACED WITH NEW BOILER CONTROL SYSTEM.
19. NEW CONTROL PANELS TO BE INSTALLED.
20. EXISTING COMPRESSOR TO REMAIN.
21. EXISTING AIR TANK TO REMAIN.
22. INSTALL NEW PACKAGED HEAT PUMP AT LOCATION SHOWN. EXTEND NEW SUPPLY/RETURN DUCTWORK AS INDICATED. SIZE AND INSTALL REFRIGERANT PIPING PER MANUFACTURER'S LITERATURE AND EXTEND TO CONDENSING UNIT ON ROOF OU-1. EXTEND 3/4" CONDENSATE DRAIN TO LANDSCAPE AS SHOWN.
23. INSTALL NEW TEMPERATURE SENSOR AT LOCATION SHOWN 48" AFF.
24. INSTALL MAKE-UP AIR LOUVER 12" ABOVE GRADE. INSTALL STEAM RADIATOR ON INTERIOR OF LOUVER AND EXTEND STEAM AND CONDENSATE RETURN PIPING TO NEAREST MAIN.
25. REPLACE EXISTING CONDENSATE STORAGE TANK. CONTRACTOR TO INSTALL NEW PIPING AS SHOWN.
26. INSTALL NEW BOILER FEED SUPPLY PIPING THROUGHOUT PLANT AS SHOWN.
27. REPLACE EXISTING STEAM HEADER. PROVIDE NEW STEAM HEADER PRESSURE SENSOR TO BE INTEGRATED INTO NEW BOILER CONTROL SYSTEMS.
28. CONTRACTOR SHALL INCLUDE IN BID REPLACEMENT OF ALL EXISTING PIPE HANGERS WHERE PIPE IS BEING REPLACED.
29. NEW FEED WATER PIPING TO ECONOMIZERS AND BOILERS.
30. INSTALL NEW FUEL OIL PIPING AT POINT OF CONNECTION SHOWN.
31. INSTALL PIPE HANGER AT LOCATION SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SHOP DRAWING LAYOUT.
32. PROVIDE STEAM, NATURAL GAS, AND BOILER FEEDWATER TEMPORARY CONNECTIONS AS INDICATED AT LOCATION SHOWN FOR EMERGENCY BOILER CONNECTION.
33. BOILER STEAM PIPING FOR TEMPORARY BOILERS SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND TEMPORARY BOILER SKID AT THIS LOCATION. ALL PIPING SHALL BE PROPERLY ANCHORED AND ADEQUATELY PROTECTED FROM ACCIDENTAL DAMAGE AND APPROVED BY VA PRIOR TO INSTALLATION.
34. BOILER NATURAL GAS PIPING FOR TEMPORARY BOILERS SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND GO UNDERGROUND OUTSIDE OF BUILDING. REFER TO GI-003 FOR CONTINUATION.
35. 1-1/4" FOS/R FOR TEMPORARY BOILERS SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND GO UNDERGROUND OUTSIDE OF BUILDING. REFER TO GI-003 FOR CONTINUATION.

ADDENDUM #2	06/29/2026
Revisions:	Date:

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Drawing Title: LEVEL 1 MECHANICAL PIPING PLAN

Approved:

Project Title: REPLACE STEAM BOILERS

Location: NORTHERN ARIZONA VA HEALTH CARE SYSTEM
500 N. STATE HWY 89
PRESCOTT, ARIZONA 86313

Issue Date	Checked	Drawn
08 APR 2026	KMK	CDN

Project Number: 649-22-104

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