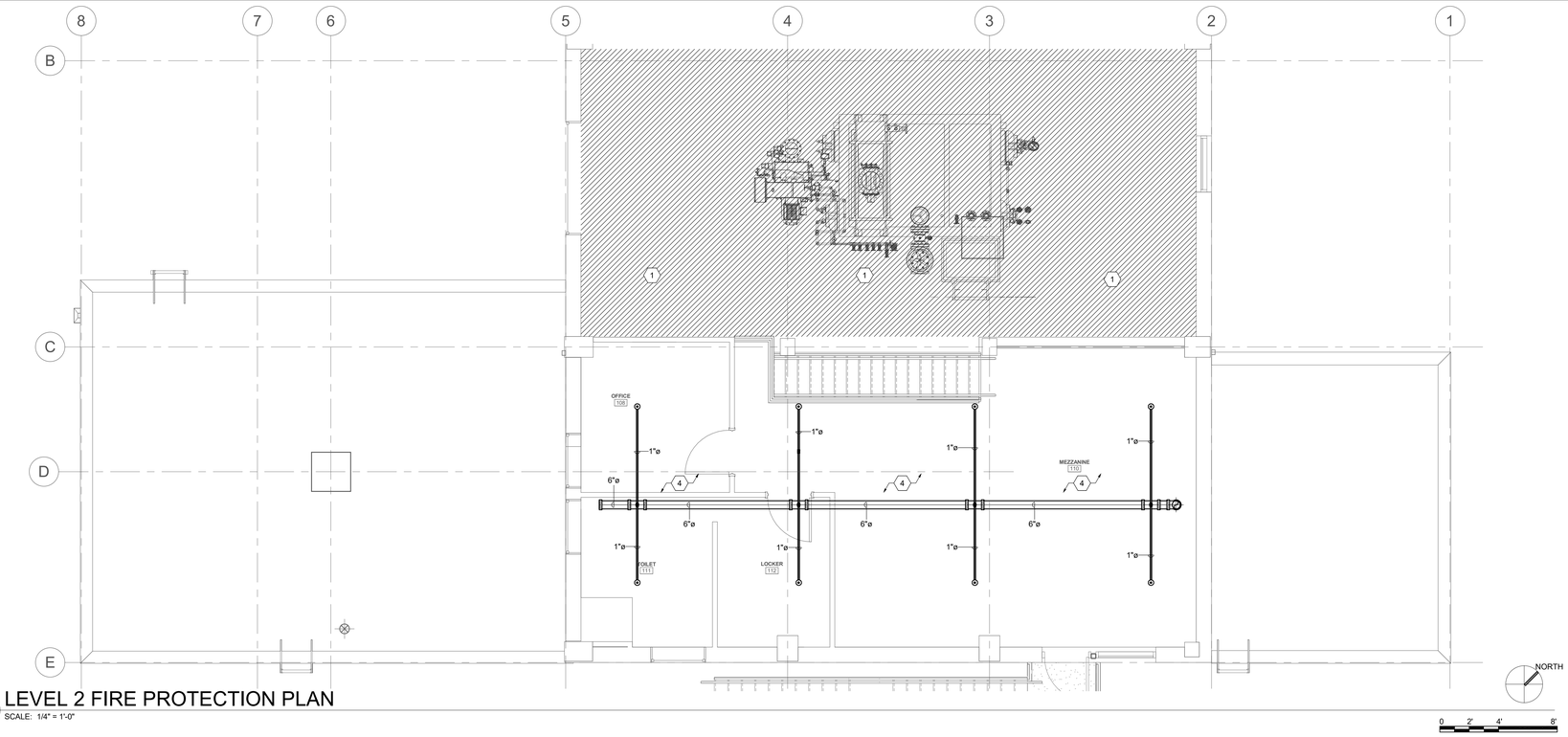
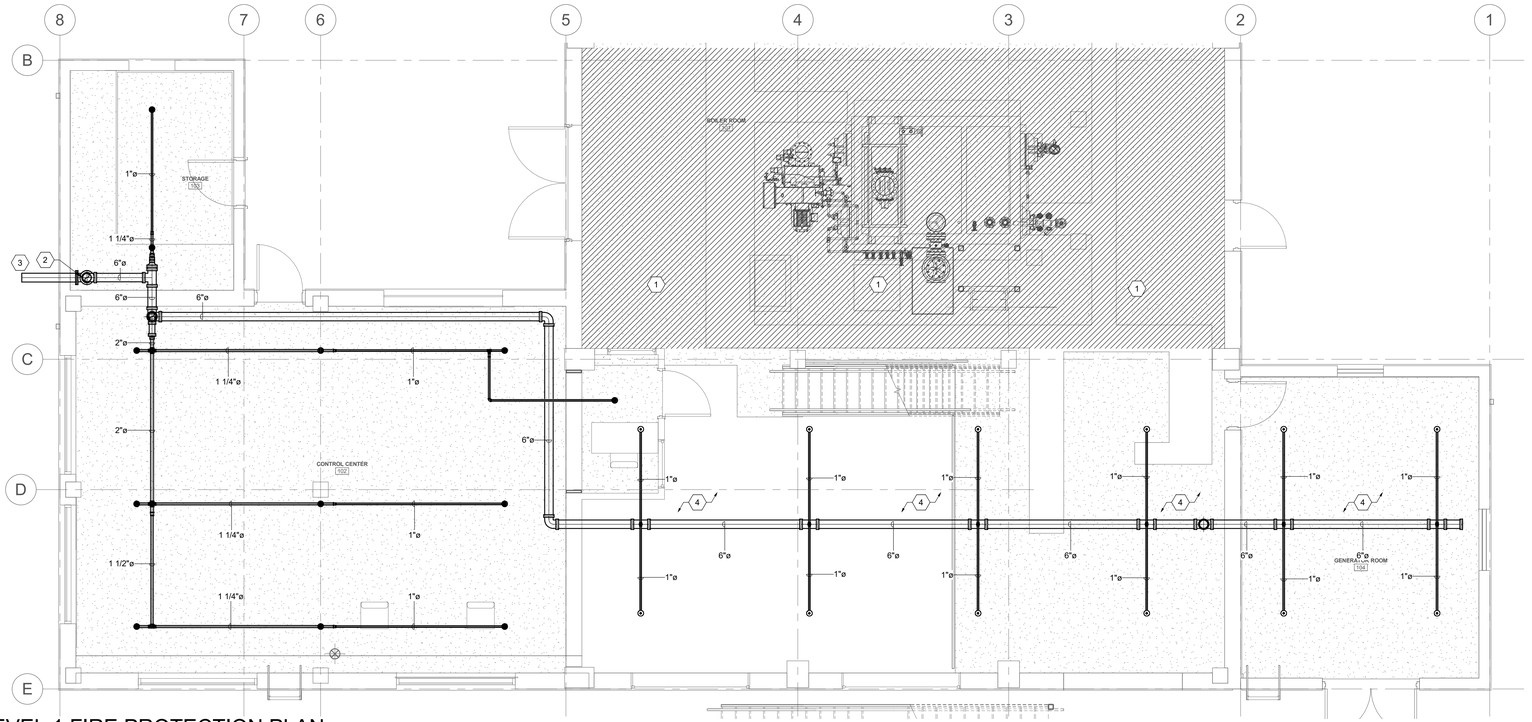
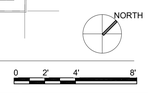


C1 LEVEL 2 FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



F1 LEVEL 1 FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



GENERAL SHEET NOTES

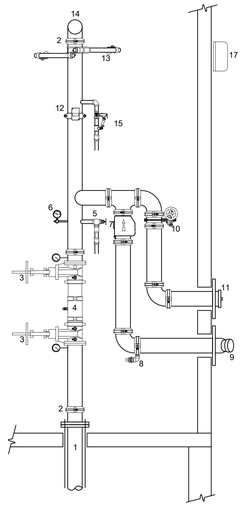
1. THIS PROJECT INCLUDES THE INSTALLATION OF A NEW FIRE SPRINKLER SYSTEM IN THE EXISTING CONTROL ROOM, ADJACENT STORAGE AREA, GENERATOR ROOM AND MEZZANINE OFFICES. NO FIRE SPRINKLERS ARE TO BE INSTALLED IN THE BOILER ROOM.
2. THESE DOCUMENTS ARE FOR SUBMITTAL REVIEW AND COORDINATION AND MAY BE USED BY THE CONTRACTOR AS A DESIGN BASIS FOR INSTALLION DRAWINGS. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
3. CONTRACTOR IS RESPONSIBLE FOR FINAL INSTALLATION DESIGN, INCLUDING HYDRAULIC CALCULATIONS, AND SHALL BE COORDINATED PRIOR TO FABRICATION. DESIGNER SHALL BE A MINIMUM NICER LEVEL III TECHNICIAN OR LICENSED FIRE PROTECTION ENGINEER.
4. THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR AND OTHER TRADES FOR PROVISION OF CONNECTIONS BETWEEN THEIR RESPECTIVE SYSTEMS.
5. ALL MATERIALS ARE TO BE UL LISTED OR FM APPROVED FOR USE IN FIRE PROTECTION SYSTEMS UNLESS OTHERWISE ALLOWED BY CODE OR AHJ.
6. MONITORING OF THE FIRE SPRINKLER SYSTEM SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.
7. FITTINGS SHALL BE CAST IRON, MALLEABLE IRON, OR STEEL: ASTM B16.1, ASME B16.3, ASTM A234, ASME B16.11 THREADED, ROLL- OR GROOVE-CUT.
8. HANGERS AND SEISMIC BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION 13 05 41, NFPA 13, AND ASCE 7-05. ALL SEISMIC BRACING IS REQUIRED TO BE STAMPED AND SIGNED BY A LICENSED STRUCTURAL OR FIRE PROTECTION ENGINEER AND SUBMITTED FOR REVIEW. HANGER TYPES SHALL BE SHOWN ON SHOP DRAWINGS WITH LOCATIONS INDICATED. SEISMIC BRACING SHALL BE SHOWN ON SHOP DRAWINGS WITH LOCATIONS AND AREA-OF-INFLUENCE.
9. DESIGN, FABRICATION, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCEWITH THE LATEST VERSIONS OF NFPA 101, NFPA 13, VA DESIGN GUIDE, AND LOCAL VA REQUIREMENTS.
10. COORDINATE TESTING WITH OTHER TRADES AND VA PERSONNEL PRIOR TO ACTION.
11. PIPE SIZES SHOWN ARE CONCEPTUAL AND ARE ESTIMATED FOR OCCUPANCY HAZARD. INSTALLING CONTRACTOR SHALL PERFORM A WATER FLOW TEST FOR USE IN HYDRALIC CALCULATIONS AND CONFIRM OR MODIFY PIPE SIZES.

SHEET KEYNOTES

1. NO FIRE SPRINKLER PROTECTION IN SHADED AREA.
2. NEW 6" FIRE SPRINKLER RISER. REFER TO DETAIL F8/FX101.
3. NEW 6" FIRE LINE. SEE CIVIL DRAWINGS FOR CONTINUATION.
4. NEW UPRIGHT COVERAGE IN THIS AREA. DESIGNED FOR EXTRA HAZARD GROUP 2 HAZARD.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
FIRE SPRINKLER	
●	1/2" WHITE QUICK RESPONSE, RECESSED PENDANT.
○	1/2" SSU, K-5.6, BRASS QUICK RESPONSE.



RISER DETAIL NOTES

1. DUCTILE IRON FLANGE X SPIGOT PIECE THROUGH FLOOR SLAB
2. FLEXIBLE GROOVED PIPE COUPLING
3. OS&Y CONTROL VALVE WITH TAMPER SWITCH
4. DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY
5. 2" MAIN DRAIN PIPED TO EXTERIOR
6. PRESSURE GAGE
7. 4" SWING CHECK VALVE FOR FIRE DEPARTMENT CONNECTION
8. ½" AUTOMATIC BALL DRIP
9. WALL MOUNTED 2-WAY FIRE DEPARTMENT CONNECTION
10. BUTTERFLY CONTROL VALVE FOR FORWARD FLOW CONNECTION
11. 4" FORWARD FLOW CONNECTION WITH CAP
12. VANE TYPE WATER FLOW SWITCH
13. 4-WAY EARTHQUAKE BRACE
14. PIPING TO SYSTEM
15. INSPECTORS TEST CONNECTION AND PRESSURE RELIEF VALVE
16. NOT USED.
17. 6" 24V ELECTRIC BELL INSTALLED BY FIRE SPRINKLER CONTRACTOR, WIRED BY OTHERS.
18. NOT USED.

NOTE:
PROVIDE 2" ANNULAR SPACE AROUND FLOOR SLAB PENETRATION AND SEAL WITH WEATHERPROOF MASTIC.

F8 FIRE RISER DETAIL
SCALE: NTS

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

CONSULTANTS:

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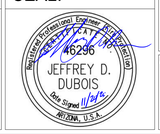
SEAL:



Drawing Title: FIRST FLOOR AND MEZZANINE FIRE PROTECTION PLAN

Approved:

Project Title: REPLACE STEAM BOILERS

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

Issue Date: 08 APR 2026 | Checked: JDD | Drawn: PSS

Project Number: 649-22-104

Building Number: 111

Drawing Number: FX101

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

BIM 360://214004 - Replace Steam Boilers/214004-Mech Central.rvt

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