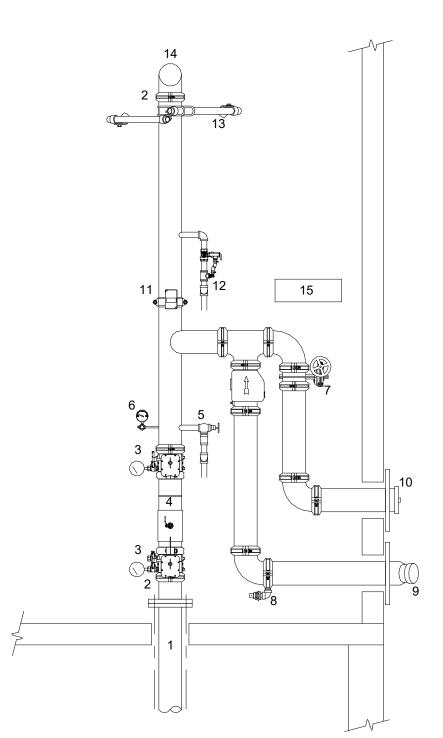
- 6" FIRE LINE WATERFLOW INFORMATION STATIC: 37 PSI 33 PSI RESIDUAL **FLOW** 840 GPM 05/03/2022 CONSIDERED AVAILABLE AT 8" CONNECTION IN GEORGIA STREET **NEW 8" WATER LINE** TO GEORGIA STREET A1 SITE FIRE PROTECTION PLAN



RISER DETAIL NOTES

- 1 DUCTILE IRON FLANGE X SPIGOT PIECE THROUGH FLOOR SLAB
- 2 FLEXIBLE GROOVED PIPE COUPLING
- 3 BUTTERFLY CONTROL VALVE WITH TAMPER SWITCH
- 4 DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY
- 5 2" MAIN DRAIN PIPED TO EXTERIOR
- 6 PRESSURE GAGE
- BUTTERFLY CONTROL VALVE FOR FORWARD FLOW CONNECTION
- 8 AUTO BALL DRIP AT LOW POINT OF PIPING
- 9 WALL MOUNTED FIRE DEPARTMENT CONNECTION
- 10 4" FORWARD FLOW CONNECTION WITH CAP
- 11 VANE TYPE WATER FLOW SWITCH 12 INSPECTORS TEST CONNECTION AND PRESSURE
- RELIEF VALVE
- |13| 4-WAY EARTHQUAKE BRACE
- 14 PIPING TO SYSTEM
- 15 SPARE SPRINKLER CABINET STOCKED PER NFPA 13

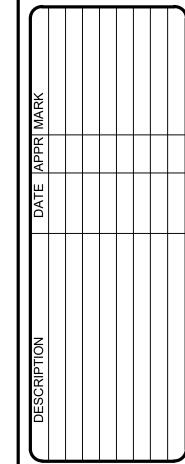
PROVIDE 2" ANNULAR SPACE AROUND FLOOR SLAB PENETRATION AND SEAL WITH WEATHERPROOF

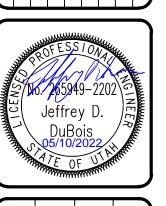
GENERAL FIRE PROT. NOTES

- THIS PROJECT INCLUDES THE INSTALLATION OF A NEW FIRE SPRINKLER SYSTEM THROUGHOUT THE NEW BUILDING. WORK SHALL BE PERFORMED IN ACCORDANCE WITH UFC 3-600-01, NFPA 13, FACILITY DESIGN CRITERIA, INSTALLATION DESIGN GUIDE, AND THE AUTHORITY HAVING JURISDICTION (AHJ).
- THESE DOCUMENTS ARE FOR SUBMITTAL REVIEW AND COORDINATION AND MAY BE USED BY THE CONTRACTOR AS A DESIGN BASIS FOR INSTALLATION DRAWINGS. THE FIRE SPRINKLER CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR FINAL INSTALLATION DESIGN, INCLUDING HYDRAULIC CALCULATIONS, AND SHALL BE COORDINATED PRIOR TO FABRICATION. DESIGNER SHALL BE A MINIMUM NICET LEVEL III TECHNICIAN OR LICENSED FIRE PROTECTION ENGINEER AND SHALL OVERSEE THE INSTALLATION OF EQUIPMENT. MAJOR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, ARCHITECT, AND ENGINEER OF RECORD FOR RESOLUTION.
- COMPONENTS AND ASSEMBLIES SHALL BE U.L. LISTED AND FM APPROVED. ALL NEW FIRE PROTECTION PIPING SHALL BE SCHEDULE 40 BLACK STEEL, ASTM A63 TYPE F. 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.
- THE FIRE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE FIRE ALARM CONTRACTOR AND OTHER TRADES FOR PROVISION OF CONNECTIONS BETWEEN THEIR RESPECTIVE SYSTEMS. MONITORING OF THE FIRE SPRINKLER SYSTEM SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.
- DETAILED DESIGN AND WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A LICENSED FIRE PROTECTION ENGINEER OR FIRE PROTECTION SPECIALIST WITH A MINIMUM REGISTRATION OF NICET LEVEL IV IN WATER-BASED FIRE PROTECTION SYSTEM LAYOUT.
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- THE SOURCE OF WATER FOR THE SPRINKLER SYSTEMS SHALL BE THE NEW FIRE SPRINKLER RISER AND FIRE LINE. RECENT WATER SUPPLY TEST RESULTS ARE DETAILED IN SPECIFICATION 21 13 13.00 10. CONTRACTOR TO DESIGN SPRINKLER SYSTEM BASED ON A NEW WATER FLOW TEST. HYDRAULIC CALCULATIONS SHALL BE PROVIDED TO DEMONSTRATE THAT THE REQUIRED SPRINKLER SYSTEMS ARE DESIGNED BASED UPON THE EXISTING WATER SUPPLY. SHOULD THE CONTRACTOR DETERMINE THAT THE EXISTING WATER SUPPLY (VOLUME OR PRESSURE) ARE INADEQUATE FOR THE REQUIRED SPRINKLER SYSTEMS, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICE PRIOR TO SUBMISSION
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- PROVIDE FIRESTOPPING AT PENETRATIONS IN FIRE RATED CONSTRUCTION AND CAULKING AT PENETRATIONS OF FIRE OR SMOKE-RATED SEPARATIONS.
- 12 COORDINATE WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TRADES. PROVIDE OFFSETS TO AVOID INTERFERENCE WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, OR STRUCTURAL MEMBERS.
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- SUBMIT SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO ENGINEER FOR REVIEW. IN A MANNER AS REQUIRED PER NFPA 13 AND UFC 3-600-01. SUBMIT EQUIPMENT DATA SHEETS FOR A COMPLETE INSTALLATION OF THE SPRINKLER SYSTEM. APPROVED SHOP DRAWINGS, DATA SHEETS, AND HYDRAULIC CALCULATIONS ARE REQUIRED PRIOR TO COMMENCEMENT OF WORK.
- FIRE PROTECTION PIPING SHALL BE SEISMICALLY BRACED AS REQUIRED BY NFPA 13 AND UFC 3-600-01. SEE STRUCTURAL PLANS FOR SEISMIC DESIGN CRITERIA.
- 16 EXTENDED COVERAGE SPRINKLER HEADS ARE NOT ALLOWED.
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FIRE PROTECTION SHEET INDEX

FX101 LEVEL 1 FIRE PROTECTION PLAN





	CAPITAL PROJECT NO.
	1043925
	OTHER PROJECT NO.
ARTMENT OF THE AIR FORCE	7596233
ETH VID BASE WING	KRSM200806
	BASE PROJECT MANAGE
TH CIVIL ENGINEER GROUP	
	SCOT ARNOT

HAFB 309th SOFTWAR ENGINEERING FACILIT

FX001 SHEET 62 OF 123

FX001 | SCALE: 1" = 20'-0"

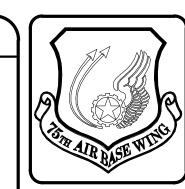
SPRINKLER DENSITY LEGEND NO HATCHING - LIGHT HAZARD CLASSIFICATION; 0.10 GPM/SQ.FT. OVER 1500 SQ.FT. WITH 250 GPM HOSE STREAM ORDINARY HAZARD CLASSIFICATIONS; 0.20 GPM/SQ.FT. OVER 2500 SQ.FT. WITH 250 GPM HOSE STREAM 10' - 4" 10' - 4" 2"ø 2"ø 2"ø 10' - 4" 2"ø 2"ø —2"ø− 10' - 4" $\left(\mathbf{2}\right)$ 2"ø —2"ø⊣ 10' - 4" 2"ø (3) ___2"ø__ 10' - 4" OFFICE 10' - 4" MEN'S TOILET 2"ø ___2"ø_ .⁻_.2"ø, ∵ UNISEX TOILET (4) 2"ø ___2"ø_ 5 A2 LEVEL 1 FIRE PROTECTION PLAN FX101 | SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

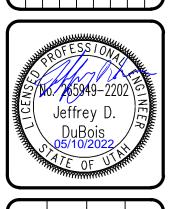
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○ SHEET KEYNOTES

- 1 FIRE SPRINKLER RISER, REFER TO DETAIL A3 SHEET FX001.
 - 2 WALL MOUNTED FDC AND FORWARD FLOW CONNECTION.
 - 3 6" FIRE LINE. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - 4 AUXILIARY DRY PIPE VALVE FOR EXTERIOR CANOPY.



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DATE APPR MARK				
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DESCRIPTION				



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	CAPITAL PROJECT NO. 1043925	SITE CODE:
R FORCE VING SROUP	OTHER PROJECT NO. 7596233 KRSM200806 BASE PROJECT MANAGER SCOTT ARNOLD	1SSUE DATE: 05/10/2022

DEPARTMENT OF THE AIR FORCE
75TH AIR BASE WING
75TH CIVIL ENGINEER GROUP

HAFB 309th SOFTWARE
ENGINEERING FACILITY
LEVEL 1 FIRE PROTECTION PLAN

FX101
SHEET 63 OF 123