

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#	ESUTCHEON	MAX SPACING
⊙	45	PENDENT	CHROME	200	5.60	1/2"	V2708	VICTAULIC	FL-QR	SEMI-RECESSED	15" x 15"
⊗	66	UPRIGHT	BRASS	200	6.00	3/4"	V3402	VICTAULIC	FL-QR	N/A	130 SQFT
⊙	270	UPRIGHT	BRASS	200	6.00	1/2"	V2704	VICTAULIC	FL-QR	N/A	15" x 15"
⊙	5	SPRIG	BRASS	200	8.00	3/4"	V3402	VICTAULIC	FL-QR	N/A	130 SQFT
386	TOTAL SPK.										

Design Area #: **3** HAZARD: **Light**
Zone: **1** System Type: **Wet**
Location: **Open Office 101**

Flowing Outlets: **12**
Density: **0.10** Remote Area: **1524**
Flow: **312.3 gpm @ 54.0 psi**
Calculation Safety: **8.7 psi**
Includes **100 gpm** Hose allowance

Diagram of a microscope with numbered parts 1 through 11. Part 1 is the base, 2 is the stage, 3 is the stage clip, 4 is the stage micrometer, 5 is the objective lens, 6 is the objective turret, 7 is the eyepiece, 8 is the eyepiece turret, 9 is the eyepiece, 10 is the stage, 11 is the stage micrometer.

ACF FIELDHOUSE
FFE = 972

BEN FRANKLIN STREET

JOHNSON ROAD

SHELBY AVE

6" GATE VALVE

6" WATER SERVICE (BY OTHERS)

PIV LOCATION

FIRE SPRINKLER RISER SEE DETAIL 1 ON FP1

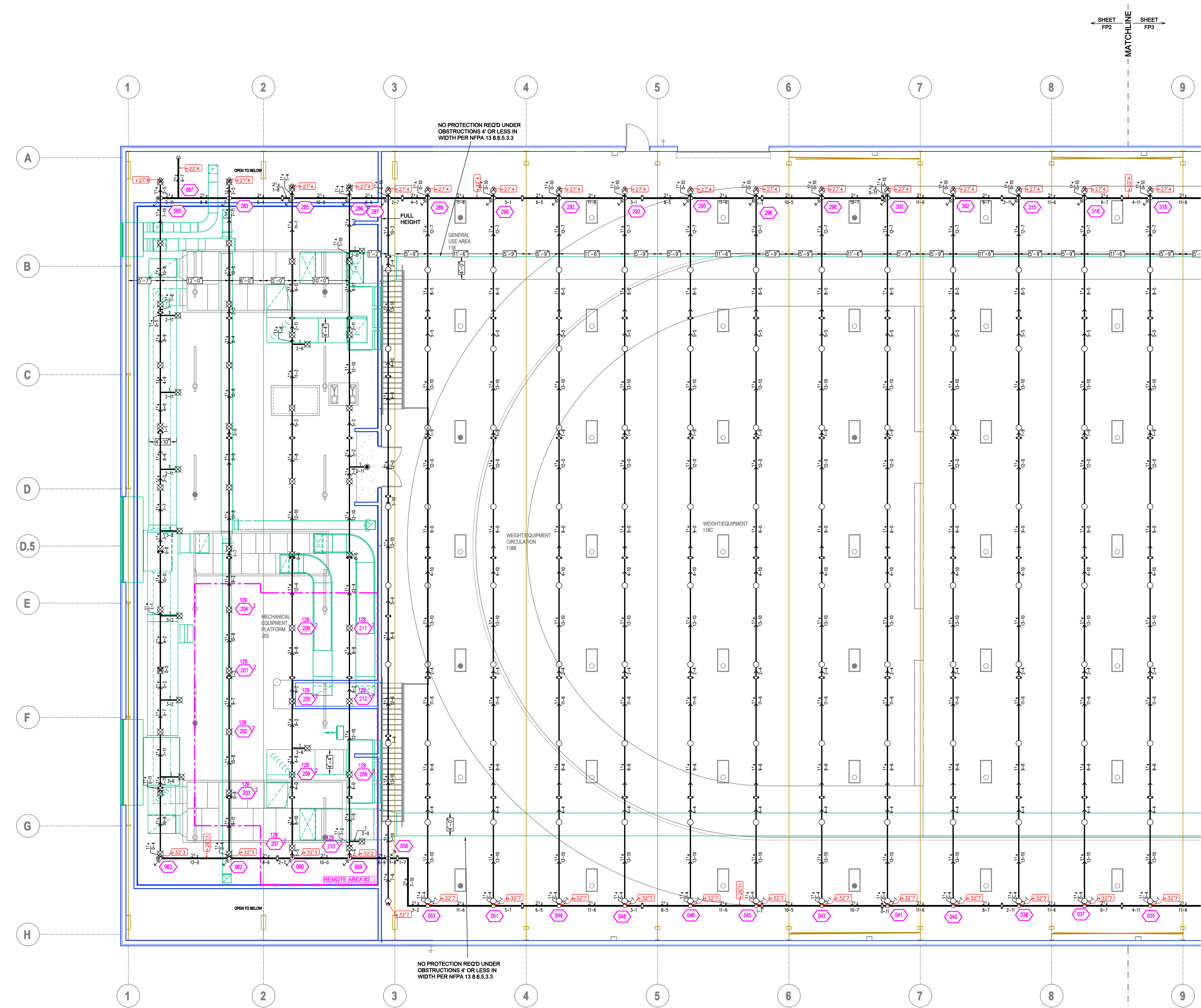
4 x 2-1/2 x 2-1/2 FLUSH ROUGH BRASS FIRE DEPARTMENT CONNECTION & HORN STROBE

NOTE:
DIFFERENCE IN ELEVATION FROM SOURCE TO BUILDING, INCLUDED IN CALCULATIONS.

FLOW TEST INFO:
STATIC: 88 PSI
RESID: 50 PSI
FLOW: 605 GPM
DATE: 8/28/24

*** FLOW TEST INFORMATION PROVIDED IN ENGINEERING DOCUMENTS ON 8-28-24**

	GENERAL NOTES 1. SYSTEM INSTALLED PER NFPA-13 (2016 EDITION) AND STATE FIRE MARSHAL 2. ALL EQUIPMENT FOR THIS SYSTEM SHALL BE U.L. LISTED 3. MINIMUM PIPE SIZE SHALL BE 1" NOMINAL PIPE 4. ALL SCH-80 LIGHTWALL PIPING HAS WELDED OUTLETS & GROOVED SHORT RADIUS FITTINGS 5. ALL WELDING PER NFPA (33-4.2) 6. NO INSTALLATION OR FABRICATION TO BEGIN WITHOUT APPROVED SHOP DRAWINGS 7. ALL PIPE LOCATIONS ARE TO BE FIELD MEASURED PRIOR TO FABRICATOR AND INSTALLATION BY SPRINKLER CONTRACTOR 8. ALL DIMENSIONS SHOWN ARE CENTER TO CENTER 9. HIGH TEMPERATURE HEADS ARE TO BE FIELD LOCATED WHERE REQUIRED 10. PROVIDE ONE SPARE HEAD CABINET w/ HEADS & 1 HEAD WRENCH 11. HANGERS ARE TO BE U.L. LISTED AND F.M. APPROVED 12. ELECTRICAL WIRING, ALARM, DETECTION AND SUPERVISORY BY OWNER 13. OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEATING TO PREVENT WET SYSTEM PIPING FROM FREEZING.	NO	REVISIONS	DATE	APPROVAL STAMPS	Drawing Title: FIRE PROTECTION PLAN ACFT Fieldhouse 1500 BEN FRANKLIN STREET ARDEN HILLS, MN 55112	Contract No. C25-74 Drawing Date: 01/27/26 Scale: 1/8" = 1'-0" Drawn By: NR Approval By: STATE FIRE MARSHAL DIV. SHEET NO. FP 1 of 3



SPRINKLER HEAD LEGEND

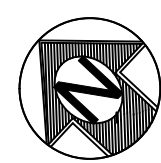
SYM	QTY	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#	ESCUTCHEON	MAX SPACING
⊙	145	PENDENT	CHROME	200	5.80	1/2"	V2700	VICTAULIC	FL-QR	SEMI-RECESSED 15 x 15	
⊗	96	UPRIGHT	BRASS	200	8.00	3/4"	V2402	VICTAULIC	FL-QR	N/A	130 SQFT
○	270	UPRIGHT	BRASS	200	5.80	1/2"	V2704	VICTAULIC	FL-QR	N/A	19 x 19
⊙	5	SPRIG	BRASS	200	8.00	3/4"	V2402	VICTAULIC	FL-QR	N/A	130 SQFT
386		TOTAL SPK.									

CALC PLACARD

Design Area #2 HAZARD: OH I
Zone: 1 System Type: Wet
Location: Mezzanine
Flowing Outlets: 12
Density: 0.15 Remote Area: 1534
Flow: 514.5 gpm @ 49.2 psi
Calculation Safety: 5.4 psi
Includes 250 gpm Hose allowance
NOTE:
SPRINKLERS CALCULATED TO 1500 S.F.
PER SHEET FX101.

PIPE LEGEND

— BLACK STEEL FIRE SPRINKLER PIPING
- - - FIRE SPRINKLER FDC PIPING



MEZZ LEVEL FIRE SPRINKLER PLAN

SCALE= 1/8" = 1'-0"

GENERAL NOTES

- SYSTEM INSTALLED PER NFPA-13 (2016 EDITION) AND STATE FIRE MARSHAL
- ALL EQUIPMENT FOR THIS SYSTEM SHALL BE U.L. LISTED
- MINIMUM PIPE SIZE SHALL BE 1" NOMINAL PIPE
- ALL SCH-10 & LIGHTWALL PIPING HAS WELDED OUTLETS & GROOVED SHORT RADIUS FITTINGS
- ALL WELDING PER NFPA-514 (2011)
- NO INSTALLATION OR FABRICATION TO BEGIN WITHOUT APPROVED SHOP DRAWINGS
- ALL PIPE LOCATIONS ARE TO BE FIELD MEASURED PRIOR TO FABRICATION AND INSTALLATION BY SPRINKLER CONTRACTOR
- ALL DIMENSIONS SHOWN ARE CENTER TO CENTER
- HIGH TEMPERATURE HEADS ARE TO BE FIELD LOCATED WHERE REQUIRED
- PROVIDE ON SPARE HEAD CABINET W/8 HEADS & 1 HEAD WRENCH
- HANGERS ARE TO BE U.L. LISTED AND F.M. APPROVED
- ELECTRICAL WIRING, ALARM, DETECTION AND SUPERVISORY BY OWNER
- OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEATING TO PREVENT WET SYSTEM PIPING FROM FREEZING.

NO

REVISIONS

DATE

APPROVAL STAMPS

Drawing Title:

FIRE PROTECTION PLAN

ACFT Fieldhouse

1500 BEN FRANKLIN STREET
ARDEN HILLS, MN 55112

Contract No.

C25-74

Drawing Date: 01/27/26

Scale: 1/8" = 1'-0"

Drawn By: NR

Approval By: STATE FIRE MARSHAL DIV.

SHEET NO. FP 2 of 3

