



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-40 & LIGHTWALL PIPING HAS WELDED OUTLETS & GROOVED SHORT RADIUS FITTINGS
- ALL WELDING PER NFPA-54(2)
- 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 SPINE HEAD CABINET W/ HEADS & 1 HEAD WRENCH
- HANGERS ARE TO BE U.L. LISTED AND I.M. APPROVED
- ELECTRICAL WIRING, ALARM, DETECTION AND SUPERVISORY BY OWNER
- OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEATING TO PREVENT WET SYSTEM PIPING FROM FREEZING.

REVISIONS

NO	REVISIONS	DATE	APPROVAL STAMPS

GENERAL NOTES

1. MINNESOTA BUILDING CODE (2020)

- OCCUPANCY: R-1, B
- TYPE OF CONSTRUCTION: V-B
- SPRINKLER AREAS (APPROXIMATE - SEE ARCHITECTURAL PLANS FOR ACTUAL)

LEVEL 1
 FLAT ROOF ATTIC = 7,465 S.F.
 TOTAL = 7,465 S.F.
 TOTAL = 14,910 S.F.

1.4. INSTALLATION STANDARDS:
 SPRINKLER SYSTEM DESIGNED AND INSTALLED PER NFPA-13 (2016)

2. SPRINKLER PIPE TYPES:
 WET:
 2.1. 1" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH THREADED FITTINGS
 2.2. 1-1/4" BRANCH LINES TO BE BLK SCHEDULE 40 PIPING WITH GROOVED FITTINGS
 2.3. 1-1/2" TO 2-1/2" MAIN LINES TO BE BLK SCHEDULE 40 PIPING WITH GROOVED FITTINGS
 2.4. 1" THROUGH 1-1/2" PIPE LINES TO BE BLAZEMASTER CPVC PIPING WITH CEMENTED FITTING
 2.5. LEVEL 1 SPRINGS TO BE 1" SCHEDULE 40 THREADED PIPE AND FLAT ROOF ATTIC SPRINGS TO BE 1" BLAZEMASTER CPVC

3. DESIGN CRITERIA
 3.1. HALLWAYS, BEDROOMS, GREAT ROOM, AND OFFICE AREAS DESIGNED TO LIGHT HAZARD GROUP 1
 3.2. MECH - ELEC ROOMS, STORAGE ROOMS, AND SIMILAR AREAS DESIGNED TO ORDINARY HAZARD GROUP 1

4. NOTES:
 4.1. ALL MATERIAL TO BE NEW AND MEET U.L. STANDARDS
 4.2. HANGERS TO BE INSTALLED IN ACCORDANCE WITH NFPA-13 (2016); SEE PLAN FOR HANGING REQUIREMENTS

5. SYMBOLS USED ON DRAWINGS:
 - (SW-1) PIPE ELEVATION A.F.F.
 - (L-2) PIPE ELEVATION BELOW B.O.D.
 - (OH) ROOM HAZARD CLASSIFICATION (ALL ROOMS ARE CONSIDERED LIGHT HAZARD UNLESS NOTED)
 - (H) HYDRAULIC CALCULATION JUNCTION POINT
 - (0'-0") CEILING HEIGHT

6. SCOPE OF WORK:
 6.1. TO INSTALL A NEW WET SPRINKLER SYSTEM IN NORTHWOODS BATTERED WOMENS SHELTER
 6.2. ALL AREAS OF THE BUILDING TO BE INSTALLED AND COVERED IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION AND PER NFPA-13

FLOW TEST INFO:
 STATIC: 56 PSI
 RESID: 56 PSI
 FLOW: 1110 GPM
 DATE: 04/29/24

* FLOW TEST INFORMATION PROVIDED BY CITY OF BEMIDJI ON 4-29-24

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

CONTRACT INFORMATION
 Drawing Title: FIRE PROTECTION PLAN
 Contract No.: C24-49
 Drawing Date: 8/27/2024
 Scale: 1/8" = 1'-0"
 Drawn By: STATE FIRE MARSHAL DIV.
 Approval By: STATE FIRE MARSHAL DIV.
 SHEET NO.: FP 1 of 1