



LEGEND	
SYMBOL	DESCRIPTION
○	UPRIGHT SPRINKLER HEAD
⊙	1" RISER WITH UPRIGHT SPRINKLER HEAD
↑	UPRIGHT SPRINKLER HEAD
⊕	RIGID COUPLING
≡	MAIN HANGER BOLTED TO TRAPEZE 3/8" ATR, RING & RETAINING STRAP (SEE DETAIL III, SH-2)
≡	MAIN HANGER FROM BOTTOM OF BEAM WITH C-CLAMP 3/8" ATR, RING & RETAINING STRAP (SEE DETAIL II, SH-2)
≡	HANGER WITH C-CLAMP 3/8" ATR, NUT, WASHER, RING & RETAINING STRAP (SEE DETAIL I, SH-2)
⊕	4-WAY SWAY BRACE (SEE DETAIL V, SH-2)
⊕	2-WAY SWAY BRACE (SEE DETAIL IV, SH-2)
⊙	DRY PIPE VALVE W/TRIM
⬇	WATER MOTOR GONG
AFF	ABOVE FINISH FLOOR

HEAD COUNT:
 ⊙ & ○ — 33 — 212 F² UPRIGHT, CENTRAL MODEL SSU 1/2" ORIFICE, BRASS FINISH (LOCATED IN ORDINARY HAZARD AREA)

- GENERAL NOTES:**
- 1) ALL DIMENSIONS ARE CENTER TO CENTER FOR ALL PIPING UNLESS OTHERWISE NOTED WITH ().
 - 2) ALL PIPING SHALL BE DOMESTIC MANUFACTURE SCHEDULE 40 BLACK PIPE SCHEDULE PER NFPA-13, SECTION 3-6.
 - 3) PACK WALL PENETRATIONS WITH FIBERGLASS OR MINERAL WOOL PACKING AND SEAL ON BOTH SIDES OF WALL WITH POLYSULFIDE SEALANT. INSTALL ESCUTCHEONS ON SIDES EXPOSED TO VIEWS.
 - 4) ALL FIRE PROTECTION PIPING SHALL BE PAINTED PER FEDERAL STANDARD(FED STD) NUMBER 595. FINISH COLOR SHALL BE RED(#11105)
 - 5) THE DRY PIPE SYSTEM MAXIMUM CAPACITY IS 50 GALLONS OF WATER AND THE SYSTEM COVERS 3,500 SQUARE FEET OF FLOOR.

HYDRAULIC DESIGN INFORMATION				
AREA NUMBER 1	CODE NFPA 13	HAZARD Ordinary I	SYSTEM TYPE DRY	
REMOTE AREA SQ. FT. 2000	DENSITY GPM/SQ. FT. 0.15	DOMESTIC WATER ALLOWANCE 0	OUTSIDE HOSE ALLOWANCE 250	AREA PER SPRINKLER 125
TOTAL SYSTEM REQUIREMENTS: 64 PSI 401 GPM AT BASE OF RISER				

DATE:
 Mar 02, 2021
 HANFORD RELEASE

2402-WG SPRINKLER PLAN

DWG NUMBER	TITLE	REFERENCES	REVISIONS
H-2-838815	2402 SERIES FIRE RISER SYSTEM		
CVI-21958	FIRE PROTECTION SYSTEM		
H-2-80737	DWG LIST/CIVIL SITE PLAN		
5	RELEASED PER ECR-20-000253		

BLDG. NO. 2402WG	CAUTION NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE	ATTENTION DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION
INDEX NO. 8509	U.S. DEPARTMENT OF ENERGY Richland Operations Office FIRE PROTECTION SPRINKLER SYSTEM	
	NAME H4519458-JS POGUE H8062991-AD MCLAIN H8062991-AD MCLAIN	DATE 5/2/2021 5/2/2021 5/2/2021
	SIZE F	DRAWING NUMBER H-2-821886
	SCALE 3/8"=1'	SHEET 1
	12218	1