



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
⊕	2-WAY SWAY BRACE
⊙	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-WE SPRINKLER PLAN

BLDG. NO. 2402WE	CAUTION NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE		ATTENTION DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION	
	NAME	DATE	COMPANY	U.S. DEPARTMENT OF ENERGY Richland Operations Office
ISSUED BY H4519458-JS POGUE	5/2/2021	PRC		
DESIGNED BY H8062991-AD MCLAIN	5/2/2021	PRC		
CHECKED BY H8062991-AD MCLAIN	5/2/2021	PRC		
INDEX NO. 8509		FIRE PROTECTION SPRINKLER SYSTEM		
DWG NUMBER		DRAWING NUMBER		SHEET
H-2-821884		H-2-821884		1 5
SCALE 3/8"=1'		11116		

DWG NUMBER	TITLE	REV NO.	DESCRIPTION
H-2-838815	2402 SERIES FIRE RISER SYSTEM		
H-2-80737	DWG LIST/CIVIL SITE PLAN		
CVI-21958	FIRE PROTECTION SYSTEM		
5	RELEASED PER ECR-20-000253		
REV NO.	TITLE	REV NO.	DESCRIPTION
	REFERENCES		
	REVISIONS		

DRAWING TRACEABILITY LIST
 NEXT USED ON AS ALLOCATED