



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

**HEAD COUNT:**  
 ○ & ○ — 33 — 212 F<sup>2</sup> 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.
  - 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 SHALL BE PAINTED PER FEDERAL STANDARD (FED STD) NUMBER 595. FINISH 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				

**2402-WF SPRINKLER PLAN**

**DATE:**  
 Mar 02, 2021  
 HANFORD RELEASE

BLDG. NO. 2402WF	<b>CAUTION</b> NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE		<b>ATTENTION</b> 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		
MECHANICAL ENGINEER H8062991-AD MCLAIN	5/2/2021	PRC		
DESIGN AUTHORITY H8062991-AD MCLAIN	5/2/2021	PRC		
INDEX NO. 8509	5 RELEASED PER ECR-20-000253		FIRE PROTECTION SPRINKLER SYSTEM	
DWG NUMBER	TITLE	REV. NO.	DESCRIPTION	SCALE 3/8"=1'
H-2-838815	2402 SERIES FIRE RISER SYSTEM	5	RELEASED PER ECR-20-000253	DRAWING NUMBER H-2-821885
DRAWING TRACEABILITY LIST		REFERENCES		SHEET 1
NEXT USED ON		REVISIONS		REV 5

DWG NUMBER	TITLE	REV. NO.	DESCRIPTION
H-2-838815	2402 SERIES FIRE RISER SYSTEM	5	RELEASED PER ECR-20-000253