



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 F° 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
TOTAL SYSTEM REQUIREMENTS: 64 PSI 401 GPM AT BASE OF RISER		AREA PER SPRINKLER 125	

**2402-WH SPRINKLER PLAN**

**DATE:**  
 Mar 02, 2021

BLDG. NO. 2402WH	CAUTION NOT COMPLETE WITHOUT CURRENT CHANGE DOCUMENTS FROM DATABASE	ATTENTION DESTROY THIS DOCUMENT BY SHREDDING MAY CONTAIN SENSITIVE INFORMATION
	U.S. DEPARTMENT OF ENERGY Richland Operations Office	
INDEX NO. 8509	FIRE PROTECTION SPRINKLER SYSTEM	
	H-2-821887	
SCALE 3/8"=1'		8619

DWG NUMBER	TITLE	REV NO.	DESCRIPTION
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		

DWG NUMBER	TITLE	REV NO.	DESCRIPTION
DRAWING TRACEABILITY LIST			
NEXT USED ON AS ALLOCATED			
REFERENCES			
REVISIONS			