GENERAL NOTES

1. ALL SYMBOLS USED ON SANDIA FIRE PROTECTION DRAWINGS SHALL COMPLY WITH NFPA STANDARD NO.172.

2. THE ELEVATIONS AND DESCRIPTIONS SHOWN ON THIS SHEET MERELY EXPLAIN THE PLAN SYMBOLS AND ARE NOT MEANT TO BE USED FOR ANY OTHER PURPOSE BY THE CONTRACTOR.

SYMBOLS	DESCRIPTION
	VANE TYPE WATER FLOW ALARM DEVICE
	GATE VALVE (SCREWED)
	GATE VALVE (FLANGED)
	CHECK VALVE (SCREWED)
	CHECK VALVE (FLANGED)
	ANGLE VALVE (SCREWED)
	BUTTERFLY VALVE
	DELUGE VALVE AND RISER (FLANGED)
	ALARM CHECK VALVE AND RISER (FLANGED)
	SCREWED UNION
	PAIR FLANGES
	CONCENTRIC REDUCER
	SCREWED CAP
	WELDED CAP
	PLUG
	HYDRANT,TWO HOSE OUTLETS AND PUMPER CONN.,AND VALVE
	WALL HYDRANT, TWO HOSE OUTLETS
	TWO-WAY FIRE DEPT. (SIAMESE) CONNECTION
	FREE STANDING FIRE DEPT. (SIAMESE) CONNECTION
	VALVE IN PIT
	POST INDICATOR AND VALVE
	THRUST BLOCK

PLAN SYMBOLS	ELEVATION	DESCRIPTION
2" 2" BRANCH	SPRINKLER HEAD; 2" 2" 2"x2"x1/2" TEE	UPRIGHT SPRINKLER
1"x 1'-6"RN 2" 2" BRANCH	SPRINKLER HEAD; 1"x1/2" RED (FEM.END); 1'-6" 2" 2" 2"x2"x1" TEE	UPRIGHT SPRINKLER WITH PIPE NIPPLE
2" 2" BRANCH	2"x2"x1/2" TEE 2" 2"; SPRINKLER HEAD	PENDANT SPRINKLER
1"x 1'-6"DN 2" 2" BRANCH	2"x2"x1" TEE 2" 2" 1'-6"; 1"x1/2" RED; SPRINKLER HEAD	PENDANT SPRINKLER WITH PIPE NIPPLE
2" 3" MAIN 2½" 2½" BRANCH 2½" CROSS; DN 2½"x 6½"	3"x 2½"x 2½" TEE CROSS MAIN; 6½" 2½" 2½" 2"; 2½"x2"x2½" TEE	BRANCH OFF CROSS MAIN DOWN
2" 3" MAIN 2½" 2½" BRANCH 2½" CROSS; UP 2½"x 6½"	2½"x 2"x 2½" TEE; 2" 2½" 6½" 2½"; CROSS MAIN; 3"x 2½"x 2½" TEE	BRANCH OFF CROSS MAIN UP
1½" 1¼" 1" 5'-2" CENTER TO CENTER DIMENSION	SPRINKLER HEADS; 1½" 1¼" 1"; 1½"x1¼"x1/2" TEE; 1¼"x 1"x1/2" TEE; 5'-2" ℄ TO ℄ OF FITTINGS	℄ TO ℄ OF FITTINGS
2" BRANCH ℄	2" BRANCH ℄; 19'-7"; H.P.FLOOR	DISTANCE FROM FLOOR TO ℄ OF PIPE

PLAN SYMBOLS	ELEVATION	DESCRIPTION
20'-0"	CEILING; 20'-0"; H.P. FLOOR	DISTANCE FROM FLOOR TO BOTTOM OF CEILING
2"	2"	RISER THROUGH FLOOR
℄ 18'-0"; 2"; DN 2"x 1'-6"	2" 1'-6" 2" 2" 19'-0"; FLOOR	90° BENDS UP OR DOWN
℄ 19'-0"; 2" 2"; ℄ 20'-0"	2" 2" 2" 19'-0" 20'-0"; FLOOR	45° BENDS UP OR DOWN
2"	ROOF or FLOOR; 2" 2"	PIPE HANGER LOCATION (SEE PIPE HANGER DETAIL STD. DRWG. FOR HANGER SYMBOL)
20'-0"	20'-0"; FLOOR	DISTANCE FROM UNDERSIDE OF CONCRETE, STEEL BEAM OR GIRDER TO FLOOR
* *7"; 2"	ROOF OR FLOOR; 2" 7" 2" ℄; FLOOR	DISTANCE FROM ℄ OF PIPE TO UNDERSIDE OF BEAM
* 7"	2" PIPE ℄ 7"; ROOF OR FLOOR; FLOOR	DISTANCE FROM UNDERSIDE OF ROOF OR FLOOR DOWN TO ℄ OF PIPE

REV	DATE	DESCRIPTION	DWN	CKD	APP
	6-15-01	UDS MODS	EG	FL	
A	1/00	REVISE	YMA	DW	

P.O.
PROJECT NO.

U.S. DEPARTMENT OF ENERGY
KIRTLAND AREA OFFICE — ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

FIRE PROTECTION STANDARDS

P.O.
PROJECT NO.
DRAWN BY
CHECKED BY
SNL ENGR
DATE 1/20/93

FIRE PROTECTION STANDARD

SIZE D+ DRAWING NO FX0001STD SEQ.

OLD FILE NAME: 015501M03

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