



- LEGEND:
- PRESSURE SWITCH
 - PRESSURE INDICATOR
 - MONITOR SWITCH
 - INDICATING LIGHT
 - GLOBE VALVE (N.C.)
 - ANGLE GLOBE VALVE (NC)
 - STRAINER
 - ORIFICE
 - CHECK VALVE
 - GATE VALVE (N.O.)
 - BALL VALVE (N.O.)
 - SIDE OUTLET GLOBE VALVE (N.O.)
 - UPRIGHT SPRINKLER HEAD (N.C.)
 - PENDENT SPRINKLER HEAD (N.C.)
 - UNION
 - ALARM VALVE
 - EA-1 NOZZLE W/65° DEFLECTOR (TEMP. RATING OF 175°)
 - DRAIN FUNNEL
 - CAP
 - RETARD CHAMBER
 - PLUG
 - SPRINKLER WITH CANOPY
 - CONCENTRIC REDUCER
 - ADDRESSABLE INTERFACE MODULE

- NOTES:
- THE DESIGN OF THIS WET-PIPE SPRINKLER SYSTEM INCLUDES THE FOLLOWING HYDRAULIC DEMAND WHICH INCLUDES 250 GPM FOR INSIDE HOSE AND 750 GPM FOR OUTSIDE HOSE. DEMANDS 2017.2 GPM AT 103.7 PSI FOR A DENSITY OF 0.9 GPM/SQ. FT.
 - THIS SPRINKLER SYSTEM HAS SPRINKLER HEADS WITH 1/2" ORIFICE AT A TEMPERATURE RATING OF 212 F AND INCLUDES THE FOLLOWING TYPE AND QUANTITY: UPRIGHT: SSU-29 HEADS; PENDENT: SSP-5 HEADS.
 - ALL MPL NUMBERS ARE PRECEDED BY 2T43 UNLESS OTHERWISE NOTED.

- REFERENCES:
- A-50388 HANGER DRAWINGS
 - A-50534 TRIM PIPING DETAIL
 - A-50389 VENDOR DEVIATIONS AND CODE DEVIATIONS
 - B-24614 FIRE PROTECTION - FCD EAST WTR. CURT. EL. 130'-0" - SYSTEM 2T4319W03
 - H-11900 EQUIPMENT LAYOUT DRAWINGS - FIRE DETECTION/SUPPRESSION MULTIPLEX SYSTEM 2T43 - REACTOR BUILDING EL. 130'-0"
 - H-21017 FIRE PROTECTION - P&ID - REACTOR AND RADWASTE BUILDINGS
 - H-50385 FIRE PROTECTION - PPG - SYS 2T4319W03 ISOMETRIC - FLOOR EL. 130'-0"
 - H-50386 FIRE PROTECTION - PPG - SYS 2T4319W03 PLAN - EAST FLOOR EL. 130'-0"
 - H-50387 FIRE PROTECTION - PPG - SYS 2T4319W03 PLAN - FLOOR EL. 130'-0"

PANEL P438AG

	N425AG		N412AG
	N426AG		N413AG

SYSTEM NO. 2T4319W03
E 130 WTR CURT
FLOOR EL. 130'-0"

BOUNDARY DIAGRAM NO.: 2X43-B01-14
FUNCTION(S) NO.: 2X43-04
2X43-06
PREPARED BY: M D STEPHENS
DATE: 2/6/98
REVIEWED BY: ALEX MORRISON
DATE: 7/13/98

Revision: A	Date: 10-21-99
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TRM	MDS
ASK	ASK

LICENSE RENEWAL DOCUMENT

MPL NO. 2T42 ACAD14 HL50043

SOUTHERN COMPANY

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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 2
FIRE PROT - P&ID - REACTOR BLDG
FL. EL. 130'-0" - EAST 130
WATER CURTAIN

DATE	SCALE	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-50043	A
DATE	None			