



- LEGEND:**
- GLOBE VALVE (N.C.)
 - GATE VALVE (N.O.)
 - GATE VALVE (N.C.)
 - ANGLE VALVE (N.C.)
 - CHECK VALVE
 - BALL VALVE (N.C.)
 - BALL VALVE (N.O.)
 - SIDE OUTLET GLOBE VALVE
 - ALARM VALVE
 - PENDENT SPRINKLER HEAD
 - UPRIGHT SPRINKLER HEAD
 - SPRINKLER W/CANOPY
 - ORIFICE
 - FLOW DIRECTION
 - UNION
 - STRAINER
 - DRAIN FUNNEL
 - CAP
 - PLUG
 - CONCENTRIC REDUCER
 - RETARD CHAMBER
 - MONITOR SWITCH
 - PRESSURE INDICATOR
 - FIRE ALARM SWITCH
 - ADDRESSABLE INTERFACE MODULE
 - INDICATING LIGHT

- REFERENCES:**
- A-50355.....HANGER DETAILS
 - B-24618.....FIRE PROT FCD E. WTR CURT EL. 158'-0"
 - S-M-FP-86-011...SPR. SYS HYDRAULIC ANALYSIS FOR PLANT HATCH UNIT 2 REACTOR BLDG EAST SYS 2T43158W03
 - A-50356.....VENDOR AND CODE DEVIATIONS
 - H-21017.....FIRE PROTECTION - P&ID REACTOR AND RADWASTE BLDG
 - H-50357.....FIRE PROTECTION PIPING SYSTEM 2T43158W03 - ISOMETRIC FL. EL. 158'-0" EAST
 - H-50358.....FIRE PROTECTION PIPING - PLAN SYS 2T43158W03 FL EL 158'-0" EAST
 - H-50359.....FIRE PROTECTION PIPING - PARTIAL PLAN - FL EL 158'-0" EAST AND SECTIONS - SYS 2T43158W03
 - H-11901.....EQUIPMENT LAYOUT DRAWING - FIRE DETECTION/SUPPRESSION MULTIPLEX SYS 2T43 - REACTOR BLDG FL EL 158'-0"

- NOTES:**
1. 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: 1381 GPM @ 99.1 PSI FOR A DENSITY OF 0.3 GPM/SQ.FT.
 2. THE SPRINKLER SYSTEM HAS SPRINKLER HEADS WITH A 1/2 INCH ORIFICE AT A TEMPERATURE RATING OF 212 DEGREES FAHRENHEIT AND INCLUDES THE FOLLOWING TYPE AND QUALITY: UPRIGHT, SSU-45 HEADS PENDANT, SSP-2 HEADS.
 3. ALL MPL NO.5 TO BE PRECEDED BY 2T43.

SYSTEM NO. 2T43158W03
E 158 WTR CURT
FLOOR EL. 158'-0"

BOUNDARY DIAGRAM NO.: 2X43-B01-16
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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MPL NO. 2T43 ACAD14 HL50045

SOUTHERN COMPANY

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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
FIRE PROT. - P&ID - REACTOR BLDG
FL. EL. 158'-0" - EAST 158 WTR CURTAIN

DATE	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF			
DATE	SCALE	10-502	HL-50045	A
TRM	None			