NOTE:

1. ALL VALVES, PRESSURE SWITCHES & GAUGES ON THIS DWG WILL BE SUPPLIED AND INSTALLED BY CONTRACTOR.
2. ALL ANNUNCIATORS WILL BE DISPLAYED ON THE LOCAL FIRE CONTROL PANEL & RETRANSMITTED THRU THE FIRE PROTECTION DATA ACQUISITION SYSTEM TO A CRT DISPLAY IN THE CONTROL ROOM.
3. ALL INSTRUMENT TAG NUMBERS SHOWN ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 9 UNLESS OTHERWISE NOTED. SEE GENERAL NOTE D ON 9A310F00002.
4. DELETED
5. EACH CYLINDER IS EQUIPPED WITH A MANUAL MECHANICAL DEVICE FOR EMERGENCY DISCHARGE.
6. MANUAL FIRE ALARM SWITCHES ARE PROVIDED AT THE ENTRANCES TO EACH OF THE PROTECTED ROOMS TO PERMIT MANUAL-ELECTRIC OPERATION OF THE HALON 1301 SYSTEM.
7. TRANSFER SWITCH WILL BE TYPICAL FOR RELAY ROOM FIRE DETECTORS PANEL 917B.
8. ALL "FP" VALVES ARE TO BE REQUISITIONED BY MECHANICAL B.O.P. FIRE PROTECTION ENGINEER IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS. ALL "FP" VALVE TO BE PRECEDED BY LETTER "X".
9. ALL PIPING INSIDE MEAB IS SEISMICALLY SUPPORTED.
10. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR FP.
11. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP N.
12. ALL VALVES FAIL IN THE CLOSED POSITION.
13. SIGNALS FROM FIRE DETECTOR ARE ISOLATED AT PANEL ZLP-917B.
14. ALL PIPING ON THIS P & ID IS VENDOR SUPPLIED.
15. THIS DRAWING ONLY, INSTRUMENT AIR SYMBOL WILL BE HALON CONTROL SYMBOL.
16. UNLESS OTHERWISE NOTED, UNIT 1 IS SHOWN ON THIS P&ID. FOR APPLICATION OF THIS P&ID TO UNIT 2. USE UNIT 2 IDENTIFICATION NUMBERS FOR PIPING, VALVES, INSTRUMENTS, EQUIPMENT, ETC. REFER TO DWG'S 9A310F00001 & 9A310F00002 FOR IDENTIFICATION NUMBER DETAILS.
17. WHEN APPLYING THIS P&ID TO UNIT 2, CHANGE ALL UNIT DESIGNATORS OF "1" IN CROSS REFERENCE ARROWS TO "2".
18. PSL'S TO BE TIED TO COMMON ALARM & COMPUTER INPUT. 1 FOR MAIN & 1 FOR RESERVE.

LR NOTES:

1. ALL COMPONENTS HIGHLIGHTED IN GREEN ARE IN SCOPE FOR A(3) CONSIDERATIONS.

11 DCN M03183

TSC COMPUTER ROOM FIRE DETECTOR

TECHNICAL SUPPORT CENTER COMPUTER ROOM

MAIN CYLINDERS

RESERVE CYLINDERS

BATTERY CHARGING RM
BATTERY ROOM
COMPUTER RM
7027IMMS0257

RELAY RM.
7027IMMS0357

FUTURE ROOM FIRE DETECTORS

RELAY ROOM FIRE DETECTORS

COMPUTER ROOM FIRE DETECTOR

MAIN CYL'S.

RESERVE CYL'S.

MECHANICAL ELECTRICAL AUX BUILDING

D138

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
11		HL&P ASS. DES. CHG. CTL. AND INCORP. DCN M03183	LDD				
0-10	9-16-82	ISSUED FOR CONSTRUCTION	SIGNATURES ON FILE				

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
MECH. & ELECT. AUX. BLDG. AND ADMIN. BLDG.
FIRE PROTECTION SYSTEM
(HALON)

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA047.071			NONE	7Q279F05056 #2		11

LR BOUNDARY DRAWING NO.	REV.
LR-STP-FP-7Q279F05056#2	0A

FJA705.111