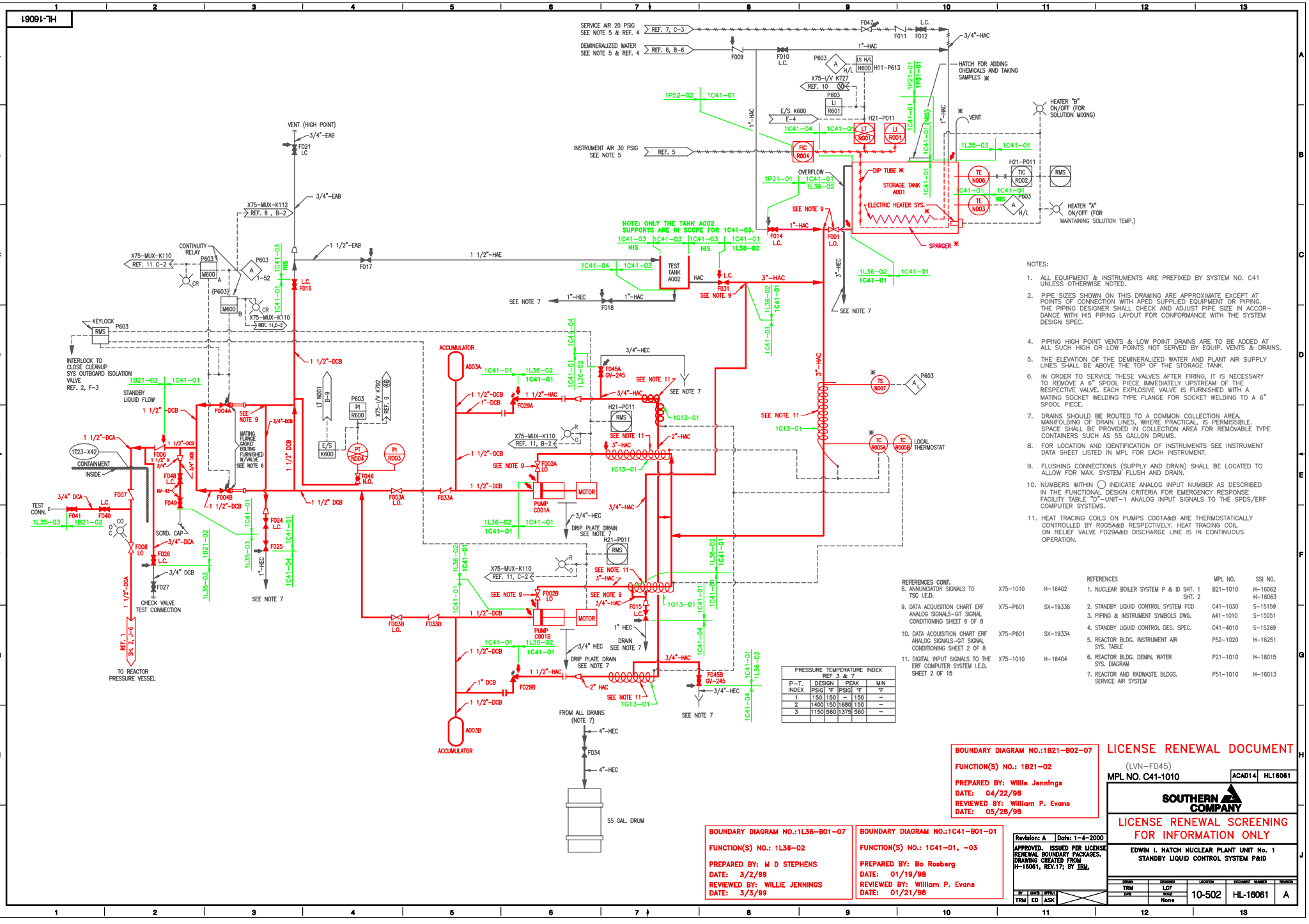
HL-16061



NOTES:

1. ALL EQUIPMENT & INSTRUMENTS ARE PREFIXED BY SYSTEM NO. C41 UNLESS OTHERWISE NOTED.
2. PIPE SIZES SHOWN ON THIS DRAWING ARE APPROXIMATE EXCEPT AT POINTS OF CONNECTION WITH APED SUPPLIED EQUIPMENT OR PIPING. THE PIPING DESIGNER SHALL CHECK AND ADJUST PIPE SIZE IN ACCORDANCE WITH HIS PIPING LAYOUT FOR CONFORMANCE WITH THE SYSTEM DESIGN SPEC.
4. PIPING HIGH POINT VENTS & LOW POINT DRAINS ARE TO BE ADDED AT ALL SUCH HIGH OR LOW POINTS NOT SERVED BY EQUIP. VENTS & DRAINS.
5. THE ELEVATION OF THE DEMINERALIZED WATER AND PLANT AIR SUPPLY LINES SHALL BE ABOVE THE TOP OF THE STORAGE TANK.
6. IN ORDER TO SERVICE THESE VALVES AFTER FIRING, IT IS NECESSARY TO REMOVE A 6" SPOOL PIECE IMMEDIATELY UPSTREAM OF THE RESPECTIVE VALVE. EACH EXPLOSIVE VALVE IS FURNISHED WITH A MATING SOCKET WELDING TYPE FLANGE FOR SOCKET WELDING TO A 6" SPOOL PIECE.
7. DRAINS SHOULD BE ROUTED TO A COMMON COLLECTION AREA. MANIFOLDING OF DRAIN LINES, WHERE PRACTICAL, IS PERMISSIBLE. SPACE SHALL BE PROVIDED IN COLLECTION AREA FOR REMOVABLE TYPE CONTAINERS SUCH AS 55 GALLON DRUMS.
8. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
9. FLUSHING CONNECTIONS (SUPPLY AND DRAIN) SHALL BE LOCATED TO ALLOW FOR MAX. SYSTEM FLUSH AND DRAIN.
10. NUMBERS WITHIN ◯ INDICATE ANALOG INPUT NUMBER AS DESCRIBED IN THE FUNCTIONAL DESIGN CRITERIA FOR EMERGENCY RESPONSE FACILITY TABLE "D"-UNIT-1 ANALOG INPUT SIGNALS TO THE SPDS/ERF COMPUTER SYSTEMS.
11. HEAT TRACING COILS ON PUMPS C001A&B ARE THERMOSTATICALLY CONTROLLED BY R005A&B RESPECTIVELY. HEAT TRACING COIL ON RELIEF VALVE F029A&B DISCHARGE LINE IS IN CONTINUOUS OPERATION.

REFERENCES CONT.

8. ANNUNCIATOR SIGNALS TO TSC I.E.D.	X75-1010	H-16402	
9. DATA ACQUISITION CHART ERF ANALOG SIGNALS-GIT SIGNAL CONDITIONING SHEET 6 OF 8	X75-P601	SX-19338	
10. DATA ACQUISITION CHART ERF ANALOG SIGNALS-GIT SIGNAL CONDITIONING SHEET 2 OF 8	X75-P601	SX-19334	
11. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM I.E.D. SHEET 2 OF 15	X75-1010	H-16404	

REFERENCES	MPL NO.	SSI NO.
1. NUCLEAR BOILER SYSTEM P & ID SHT. 1	B21-1010	H-16062
SHT. 2		H-16063
2. STANDBY LIQUID CONTROL SYSTEM FCD	C41-1030	S-15159
3. PIPING & INSTRUMENT SYMBOLS DWG.	A41-1010	S-15051
4. STANDBY LIQUID CONTROL DES. SPEC.	C41-4010	S-15269
5. REACTOR BLDG. INSTRUMENT AIR SYS. TABLE	P52-1020	H-16251
6. REACTOR BLDG. DEMIN. WATER SYS. DIAGRAM	P21-1010	H-16015
7. REACTOR AND RADWASTE BLDGS. SERVICE AIR SYSTEM	P51-1010	H-16013

PRESSURE TEMPERATURE INDEX REF 3 & 7

P-T. INDEX	DESIGN PSIG	DESIGN °F	PEAK PSIG	PEAK °F	MIN °F
1	150	150	—	150	—
2	1400	150	1680	150	—
3	1150	560	1375	560	—

BOUNDARY DIAGRAM NO.:1B21-B02-07
FUNCTION(S) NO.: 1B21-02
PREPARED BY: Willie Jennings
DATE: 04/22/98
REVIEWED BY: William P. Evans
DATE: 05/28/98

BOUNDARY DIAGRAM NO.:1L36-B01-07
FUNCTION(S) NO.: 1L36-02
PREPARED BY: M D STEPHENS
DATE: 3/2/99
REVIEWED BY: WILLIE JENNINGS
DATE: 3/3/99

BOUNDARY DIAGRAM NO.:1C41-B01-01
FUNCTION(S) NO.: 1C41-01, -03
PREPARED BY: Bo Rosberg
DATE: 01/19/98
REVIEWED BY: William P. Evans
DATE: 01/21/98

LICENSE RENEWAL DOCUMENT
(LVN-F045)
MPL NO. C41-1010
ACAD14 HL16061

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

Revision: A Date: 1-4-2000
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EDWIN I. HATCH NUCLEAR PLANT UNIT No. 1
STANDBY LIQUID CONTROL SYSTEM P&ID

BY	CHK'D	APPR'D
TRM	ED	ASK

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
TRM	LCF	10-502	HL-16061	A
DATE	SCALE			
	None			