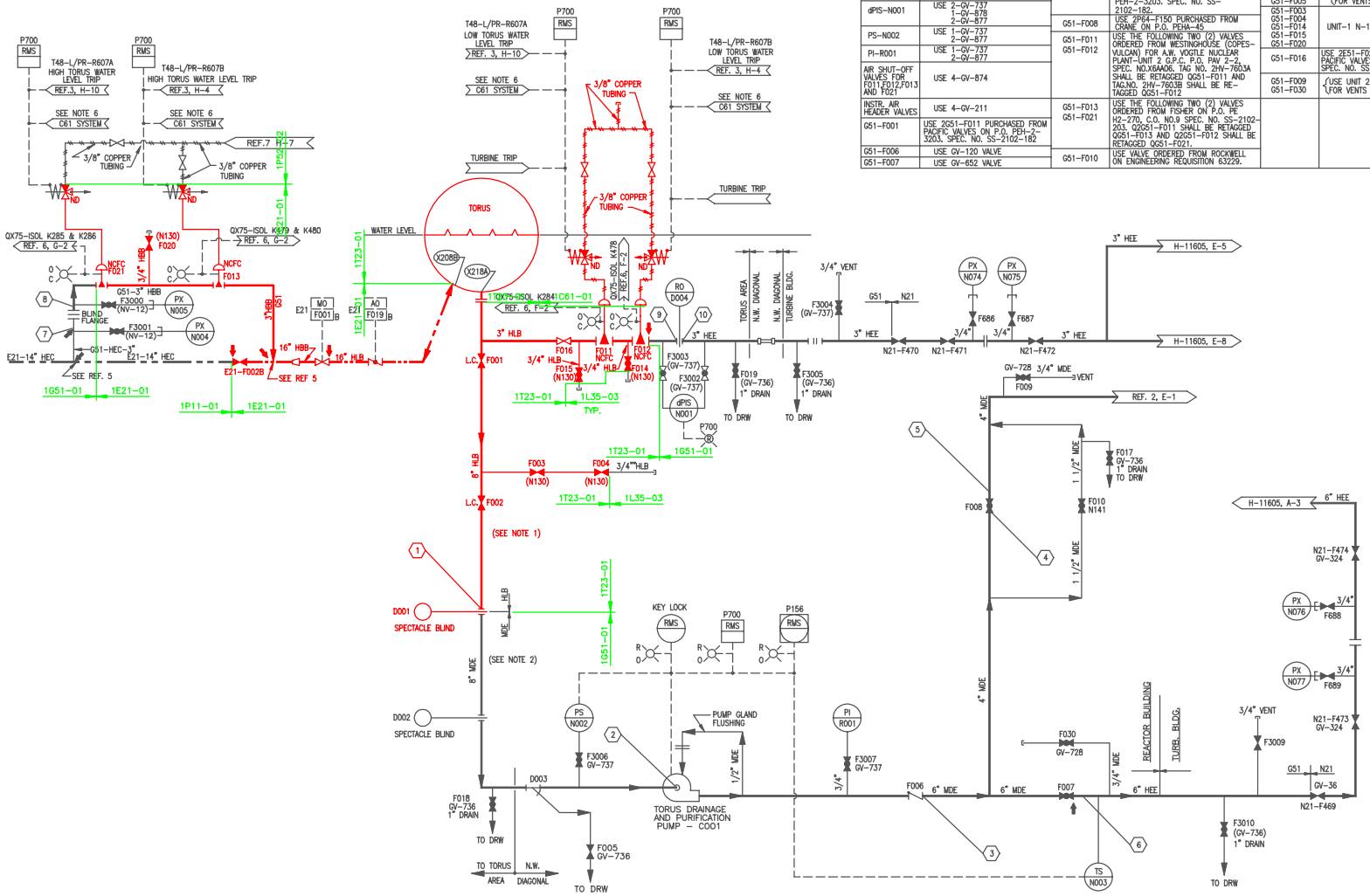
HL-16135



VALVE NO.	MATERIAL
PX-N004 PX-N005	NV-12
dPIS-N001	USE 2-GV-737 1-GV-878 2-GV-877
PS-N002	USE 1-GV-737 2-GV-877
PI-R001	USE 1-GV-737 2-GV-877
AIR SHUT-OFF VALVES FOR F011,F012,F013 AND F021	USE 4-GV-874
INSTR. AIR HEADER VALVES	USE 4-GV-211
G51-F001	USE 2G51-F011 PURCHASED FROM PACIFIC VALVES ON P.O. PEH-2-3203. SPEC. NO. SS-2102-182
G51-F006	USE GV-120 VALVE
G51-F007	USE GV-652 VALVE

VALVE NO.	MATERIAL
G51-F002	USE 2G51-F002 PURCHASED FROM PACIFIC VALVES ON P.O. PEH-2-3203. SPEC. NO. SS-2102-182.
G51-F008	USE 2PG4-F150 PURCHASED FROM CRANE ON P.O. PEHA-45
G51-F011 G51-F012	USE THE FOLLOWING TWO (2) VALVES ORDERED FROM WESTINGHOUSE (COPES-VULCAN) FOR AJW. VOGTLE NUCLEAR PLANT-UNIT 2 G.P.C. P.O. PAV 2-2, SPEC. NO.X6AA06. TAG NO. 2HV-7603A SHALL BE RETAGGED QG51-F011 AND TAG.NO. 2HV-7603B SHALL BE RE-TAGGED QG51-F012
G51-F013 G51-F021	USE THE FOLLOWING TWO (2) VALVES ORDERED FROM FISHER ON P.O. PE H2-270, C.O. NO.9 SPEC. NO. SS-2102-203. Q2G51-F011 SHALL BE RETAGGED QG51-F013 AND Q2G51-F012 SHALL BE RETAGGED QG51-F021.
G51-F010	USE VALVE ORDERED FROM ROCKWELL ON ENGINEERING REQUISITION 63229.

VALVE NO.	MATERIAL
G51-F019 G51-F017 G51-F005	USE UNIT-2 GV-736 VALVES TOTAL 10 VALVES RESERVED FOR VENTS & DRAINS.
G51-F003 G51-F004 G51-F014 G51-F015 G51-F020	UNIT-1 N-130I
G51-F016	USE 2E51-F020 PURCHASED FROM PACIFIC VALVES ON P.O. PEH2-3203. SPEC. NO. SS-2102-182
G51-F009 G51-F030	USE UNIT 2 GV-728 VALVES FOR VENTS

NOTES:

1. PIPING FROM TORUS DRAIN CONNECTION X218A TO AND INCLUDING VALVE F002 SHALL BE ASME SECTION III, CL2, SEISMIC CATEGORY 1. VALVES F001 AND F002 SHALL BE LOCATED AS CLOSE TO THE TORUS CONNECTION X218A AS POSSIBLE.
2. THE PIPE SPOOL BOUNDED BY SPECTACLE FLANGES D001 AND D002 SHALL BE REMOVED DURING PLANT OPERATION AND STORED IN THE VICINITY OF PUMP C001. SPOOL LENGTH SHALL BE MINIMIZED.
3. THE FOLLOWING MODES APPLY TO THIS SYSTEM:

   MODE 1 – PUMP C001 DISCHARGING TO THE CONDENSATE STORAGE TANK P11-A001, VIA CONDENSATE POLISHING DEMINERALIZERS.

   MODE 2 – PUMP C001 DISCHARGING TO THE CONDENSATE HOT-WELL N61-B001B, VIA THE CONDENSATE POLISHING DEMINERALIZERS.

   MODE 3 – PUMP C001 DISCHARGING TO RADWASTE WASTE SURGE TANK G11-A005.

   MODE 4 – SPOOL PIECE OUT, PUMP C001 DRAINED AND ISOLATED, AND REACTOR IN NORMAL OPERATION.
4. ALL VALVES, PUMPS AND ACCESSORY EQUIPMENT, THIS P.&I.D. PRECEDED BY MPL G51, UNLESS OTHERWISE NOTED.
5. ALL VALVES ARE SHOWN IN THE NORMAL PLANT OPERATING POSITION. F013 & F021 ARE USED FOR TORUS MAKE-UP MANUAL CONTROL PER PLANT PROCEEDURE.
6. P.C.I.S. SIGNAL CONSISTS OF ONE (1) OR MORE OF THE FOLLOWING: HIGH DRYWELL PRESSURE, REACTOR LEVEL 3 TRIP, REACTOR BUILDING HIGH RADIATION, OR REFUELING FLOOR HIGH RADIATION.

REFERENCES:

REFERENCE	MPL. NO.	DWG. NO.
1. TURBINE BLDG. CONDENSATE & F.W. SYSTEM P.&I.D. SHEET 1	N21-1010	H-11019
2. CLOSED COOLING WATER SYS. P.&I.D.	P42-1010	H-16009
3. PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P.&I.D.	T48-1020	H-16024
4. DELETED		
5. CORE SPRAY SYSTEM P.&I.D.		H-16331
6. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYS. I.E.D. SH. 6 OF 15	X75-1010	H-16408
7. REACTOR & RADWASTE BLDG. INST. AIR SYS	P52-F607	H-16239

	MODE 1			MODE 2			MODE 3			MODE 4		
	PRESS. PSIG.	TEMP. °F	FLOW GPM	PRESS. PSIG.	TEMP. °F	FLOW GPM	PRESS. PSIG.	TEMP. °F	FLOW GPM	PRESS. PSIG.	TEMP. °F	FLOW GPM
1	5.5	95	1200	5.5	95	1200	5.5	95	650	–	–	0
2	4.4	95	1200	4.4	95	1200	4.8	95	650	0	–	–
3	69.5	95	1200	69.5	95	1200	73.8	95	650	0	–	–
4	–	–	0	–	–	0	73.5	95	650	0	–	–
5	–	–	0	–	–	0	73.5	95	650	–	–	0
6	69.5	95	1200	69.5	95	1200	–	–	0	–	–	0
7	–	–	0	–	–	0	–	–	0	34	95	0
8	–	–	0	–	–	0	–	–	0	0	0	0
9	–	–	0	–	–	0	–	–	0	6.07	95	18
10	–	–	0	–	–	0	–	–	0	1.86	95	18

BOUNDARY DIAGRAM NO.:1T23-B01-013
FUNCTION(S) NO.: 1T23-01
PREPARED BY: Farook Chandiwala
DATE: 10/20/98
REVIEWED BY: Larry Orr
DATE: 12/08/98

BOUNDARY DIAGRAM NO.:1E11-B01-12
FUNCTION(S) NO.: 1E21-01
PREPARED BY: Willie Jennings
DATE: 02/17/98
REVIEWED BY: William P. Evans
DATE: 05/07/98

Revision: A | Date: 10-20-99
APPROVED. ISSUED PER LICENSE RENEWAL BOUNDARY PACKAGES. DRAWING CREATED FROM H-16135, REV 12; BY BKN.

BY	CHK'D	APPR'D
BKN	RLM	ASK

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(LVN-F030)

MLP. NO. G51-1010/1020 | ACAD14 | HL16135

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

EDWIN I. HATCH NUCLEAR PLANT UNIT No.1
TORUS DRAINAGE & PURIFICATION SYSTEM
P.&I.D. AND P.F.D.

DRAWN	DESIGNED	LOCATION	DOCUMENT NUMBER	REVISION
BKN	LCF	10-502	HL-16135	A
DATE	SCALE			
	None			