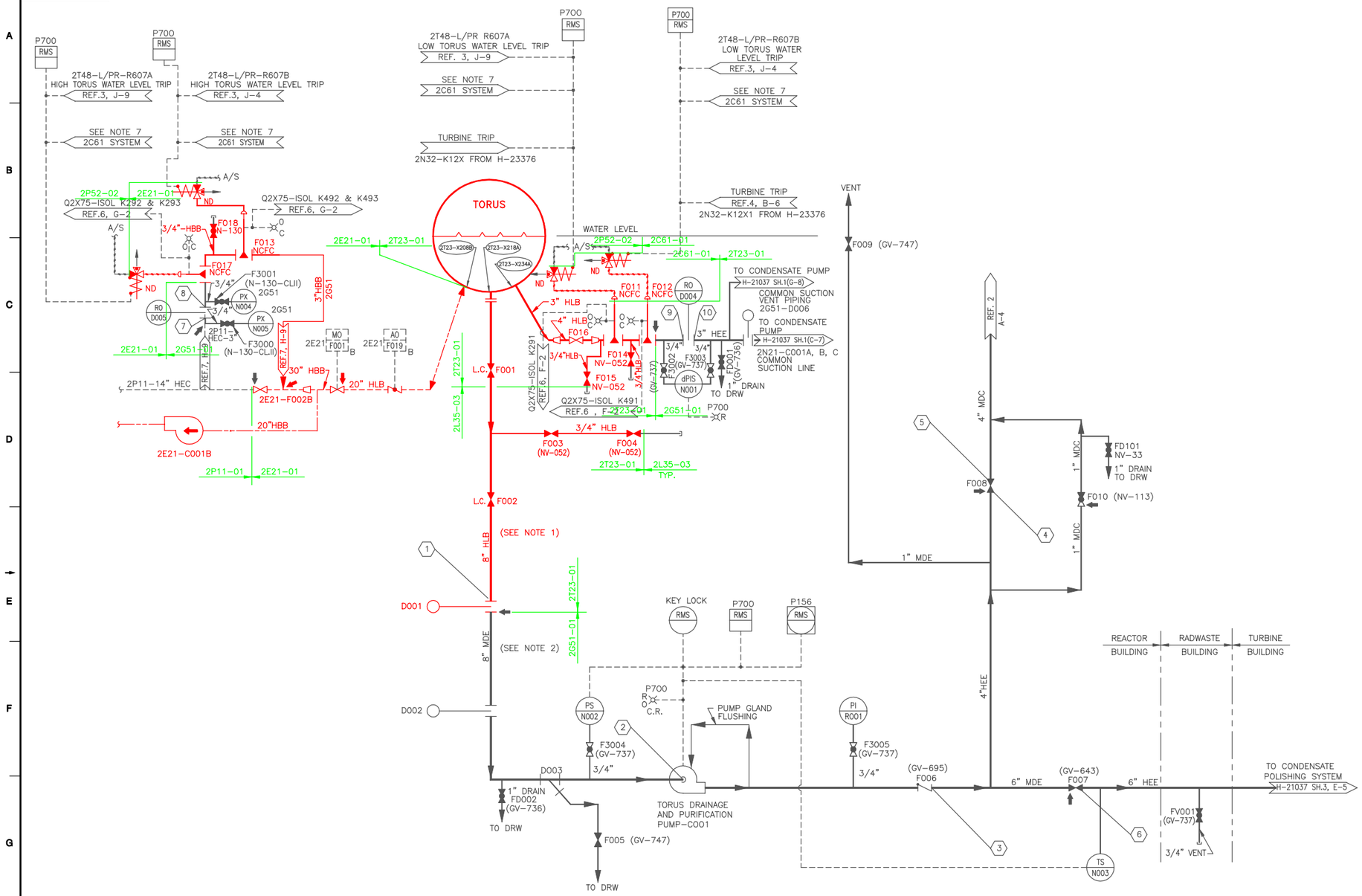


## NOTES:

1. PIPING FROM TORUS DRAIN CONNECTION X218A TO AND INCLUDING THE SPECTACLE FLANGE D001 SHALL BE ASME SECTION III, CL2, SEISMIC CATEGORY I. VALVES F001 AND F002 SHALL BE LOCATED AS CLOSE TO THE TORUS CONNECTION X218A AS POSSIBLE.
2. THE PIPING SPOOL BOUNDED BY SPECTACLE FLANGES D001 AND D002 SHALL BE REMOVED DURING PLANT OPERATION AND STORED IN THE VICINITY OF PUMP C001.
3. THE FOLLOWING MODES APPLY TO THIS SYSTEM:
   - MODE 1– PUMP C001 DISCHARGING TO THE CONDENSATE STORAGE TANK 2P11–A001, VIA CONDENSATE POLISHING DEMINERALIZERS.
   - MODE 2– PUMP C001 DISCHARGING TO THE CONDENSATE HOT–WELL 2N61–B001B, VIA THE CONDENSATE POLISHING DEMINERALIZERS.
   - MODE 3– PUMP C001 DISCHARGING TO RADWASTE WASTE SURGE TANK 2G11–A005.
   - MODE 4– SPOOL PIECE OUT, C001 DRAINED AND ISOLATED, AND REACTOR IN NORMAL OPERATION.
4. ALL VALVES, PUMPS AND ACCESSORY EQUIPMENT, THIS P. & I.D. PRECEDED BY MPL 2G51, UNLESS OTHERWISE NOTED.
5. ALL VALVES ARE SHOWN IN THEIR NORMAL POSITION FOR PLANT OPERATION. F013 & F017 ARE USED FOR TORUS MAKE–UP BY MANUAL CONTROL PER PLANT PROCEDURE.
7. P.C.I.S. SIGNAL CONSISTS OF ONE (1) OR MORE OF THE FOLLOWING: HIGH DRYWELL PRESSURE, LOW REACTOR WATER LEVEL, 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. | 2N21–1010 | H–21037 |
| 2. CLOSED COOLING WATER SYS. P.&I.D. SHEET 2 | 2P42–1010 | H–26055 |
| 3. PRIMARY CONTAINMENT PURGE & INERTING SYSTEM P.&I.D. | 2T48–1020 | H–26084 |
| 4. TURBINE GEN. AUX. SYSTEMS IED: CONTROL OIL AND CONTROL FLUID. | 2N32–1010 | H–21243 |
| 5. DELETED | | |
| 6. DIGITAL INPUT SIGNALS TO THE ERF COMPUTER SYSTEM IED SHT. 6 OF 15 | 2X75–1010 | H–26175 |
| 7. CORE SPRAY SYS. P & ID | 2E21–1010 | H–26018 |

| | 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 | 6 | 100 | 1200 | 6 | 100 | 1200 | 5.5 | 100 | 650 | — | — | 0 |
| 2 | 4.4 | 100 | 1200 | 4.4 | 100 | 1200 | 4.8 | 100 | 650 | 0 | — | — |
| 3 | 69.5 | 100 | 1200 | 69.5 | 100 | 1200 | 73.8 | 100 | 650 | 0 | — | — |
| 4 | — | — | 0 | — | — | 0 | 73.5 | 100 | 650 | 0 | — | — |
| 5 | — | — | 0 | — | — | 0 | 73.5 | 100 | 650 | — | — | 0 |
| 6 | 69.5 | 100 | 1200 | 69.5 | 100 | 1200 | — | — | 0 | — | — | 0 |
| 7 | — | — | 0 | — | — | 0 | — | — | 0 | 29.5 | 100 | 18 |
| 8 | — | — | 0 | — | — | 0 | — | — | 0 | 0.9 | 100 | 18 |
| 9 | — | — | 0 | — | — | 0 | — | — | 0 | 6.0 | 100 | 18 |
| 10 | — | — | 0 | — | — | 0 | — | — | 0 | 1.7 | 100 | 18 |

BOUNDARY DIAGRAM NO.:2E11–B01–13
FUNCTION(S) NO.: 2E21–01
PREPARED BY: Willie Jennings
DATE: 05/07/98
REVIEWED BY: William P. Evans
DATE: 05/07/98

BOUNDARY DIAGRAM NO.:2T23–B01–11
FUNCTION(S) NO.: 2T23–01
PREPARED BY: Farook Chandiwala
DATE: 10/20/98
REVIEWED BY: Larry Orr
DATE: 12/09/98

LICENSE RENEWAL DOCUMENT

MPL NO. 2G51-1010/1020 | ACAD14 | HL26042

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

Revision: A | Date: 11–02–99

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EDWIN I. HATCH NUCLEAR PLANT UNIT No.2
TORUS DRAINAGE & PURIFICATION SYSTEM
P.&I.D. AND P.F.D.

| BY | CHK'D | APPR |
|---|---|---|
| BKN | RLM | ASK |

| DRAWN | DESIGNED | LOCATION | DOCUMENT NUMBER | REVISION |
|---|---|---|---|---|
| BKN | LCF | 10-502 | HL-26042 | A |
| DATE | SCALE None | | | |