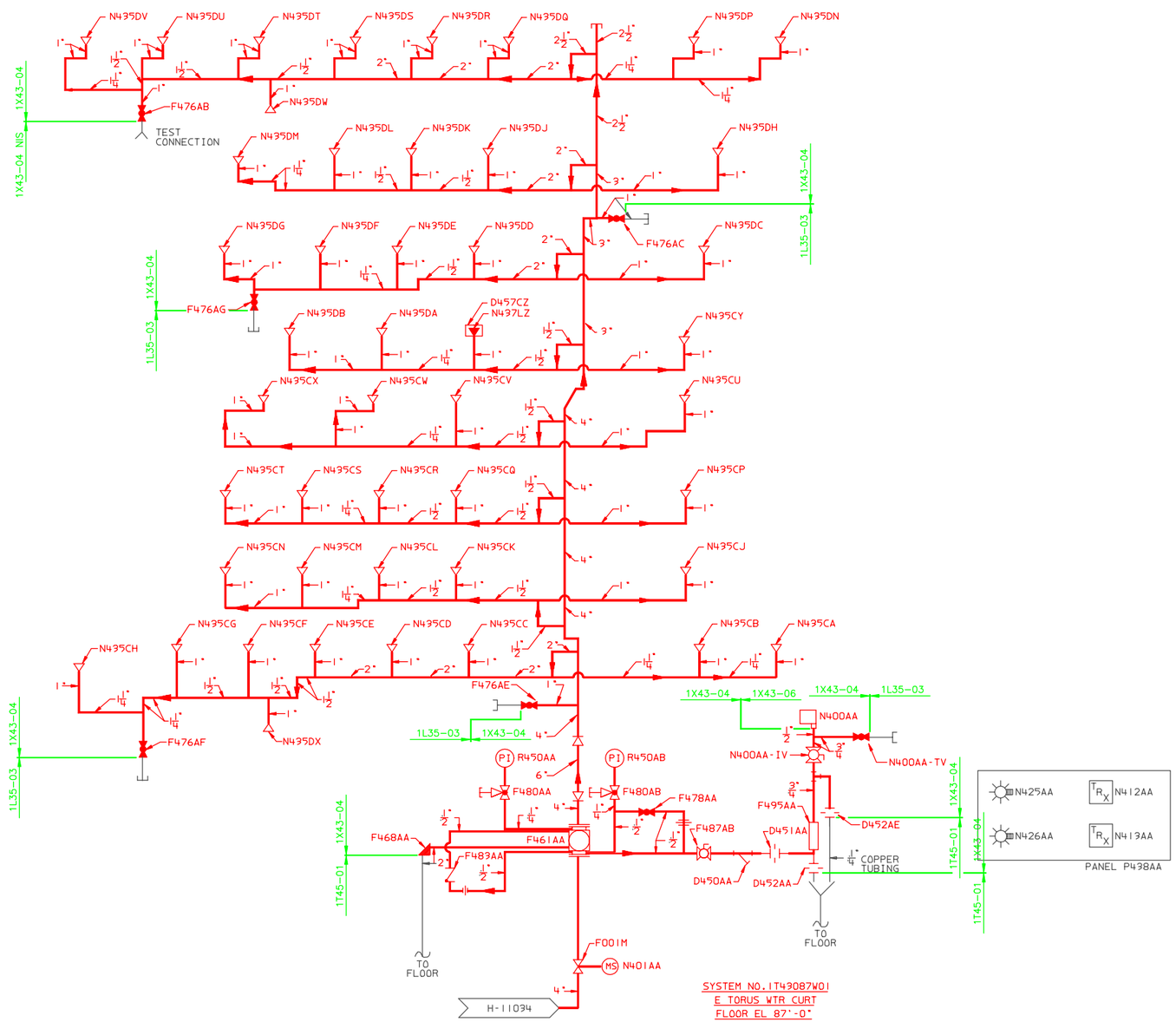
HL-40390




SYSTEM NO.1T43087W01
E TORUS WTR CURT
FLOOR EL 87'-0"

LEGEND:

- PRESSURE SWITCH
- PRESSURE INDICATOR
- MONITOR SWITCH
- INDICATING LIGHT
- GLOBE VALVE (N.C.)
- ANGLE GLOBE VALVE (NC)
- STRAINER
- ORIFICE
- CHECK VALVE
- GATE VALVE (N. O.)
- BALL VALVE (N.O.)
- SIDE OUTLET GLOBE VALVE (N.O.)
- UPRIGHT SPRINKLER HEAD (N.C.)
- PENDENT SPRINKLER HEAD (N.C.)
- UNION
- ALARM VALVE
- DRIP FUNNEL
- CAP
- RETARD CHAMBER
- PLUG
- SPRINKLER WITH CANOPY
- CONCENTRIC REDUCER
- ADDRESSABLE INTERFACE MODULE

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: 2441.4 GPM @ 115.8 PSI FOR A DENSITY OF 0.9 GPM/SQ.FT.
2. THIS 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 QUANTITY: UPRIGHT. SSU-45 HEADS; PENDENT. SSP-1 HEAD.
3. ALL MPL NO.S TO BE PRECEDED BY 1T43.

REFERENCES:

| | |
|---|---|
| H-42134 | FIRE PROTECTION PIPING-SYSTEM 1T43087W01-ISOMETRIC-TORUS LEVEL EAST FLOOR EL.87'-0" |
| H-42135 | FIRE PROTECTION PIPING-SYSTEM 1T43087W01-TORUS LEVEL EAST FLOOR WL.87'-0" |
| H-42136 | FIRE PROTECTION PIPING-SYSTEM 1T43087W01-SECTIONS AND DETAILS. |
| H-11034 | FIRE PROTECTION-P&ID REACTOR & RADWASTE BUILDINGS. |
| H-11867 | EQUIPMENT LAYOUT DRAWINGS. FIRE DETECTION/SUPPRESSION MULTIPLEX SYSTEM 1T43-REACTOR BUILDING BELOW EL.130'-0" |
| B-11806 | FIRE PROTECTION FCD E TORUS. WTR. CURT. 1T43087W01 |
| A-42132 | HANGER DRAWINGS |
| A-42133 | VENDOR DEVIATIONS AND CODE DEVIATIONS. |

LICENSE RENEWAL DOCUMENT

MPL NO. 1T43 | ACAD14 | HL40390

SOUTHERN COMPANY

LICENSE RENEWAL SCREENING FOR INFORMATION ONLY

EDWIN I. HATCH NUCLEAR PLANT UNIT No.1
FIRE PROT – P&ID – REACTOR BUILDING EL. 87'-0"–
EAST TORUS WATER CURTAIN

BOUNDARY DIAGRAM NO.:1X43-B01-23

FUNCTION(S) NO.: 1X43-04
1X43-06
PREPARED BY: M D STEPHENS
DATE: 2/5/98
REVIEWED BY: ALEX MORRISON
DATE: 7/13/98

| Revision: A | Date: 10-14-99 |
|---|---|

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| DRAWN | DESIGNED | LOCATION | DOCUMENT NUMBER | REVISION |
|---|---|---|---|---|
| TRM | LCF | 10-502 | HL-40390 | A |
| DATE | SCALE None | | | |