



- NOTES:
1. FEEDWATER ISolation VALVES (10FV-1, 10FV-2, 10FV-3 AND 10FV-4) TO BE OPERABLE UP TO SECOND CLASSING.
 2. LOCATE AT BOTTOM OF PIPE AT LIFTPOINT IMMEDIATELY UPSTREAM OF STEAM GENERATOR INLET.
 3. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL.
 4. VALVE CLOSURE ON FEEDWATER ISOLATION SIGNAL.
 5. FEEDWATER ISOLATION SIGNAL START FROM ON TRANSFER OF CONTROL TO THE SFC.
 6. LOCATE AS CLOSE TO CONTROL AS POSSIBLE.
 7. DO NOT INSULATE DOWNSTREAM OF VENT AND DRAIN VALVES.
 8. PROVIDE THERMAL INSULATION (CO2) TO 5 FT. FROM PIPING DISSECTION.
 9. LOCATE THERMS WELL AS CLOSE TO MAIN FEEDWATER NOZZLE AS POSSIBLE AND IN THE 90° ANGLE SIDE OF THE ELBOW.
 10. CONNECTION IS PROVIDED ON THE SHORT RADIIUS SIDE OF THE NOZZLE FOR INSTANTANEOUS OF A THERMIST PRESSURE TRANSDUCER TO MONITOR PIPE DATA PRESSURE. REFER TO THE SFC FOR EXPLANATION OF PIPING CLASS.
 11. CONNECTION IS PROVIDED ON THE SHORT RADIIUS SIDE OF THE NOZZLE FOR INSTANTANEOUS OF A THERMIST PRESSURE TRANSDUCER TO MONITOR PIPE DATA PRESSURE. REFER TO THE SFC FOR EXPLANATION OF PIPING CLASS.

DESIGN PARAMETERS

LINE LISTING	PIPE SIZE	CLASS	TEMPERATURE	CLASS	MATERIAL
01	900.6	1400 PSIR	500°F	C	CS
02	900.6	1400 PSIR	500°F	F	CS
03	900.6	1400 PSIR	600°F	B	CS
04	900.6	1400 PSIR	600°F	F	CS

AS BUILT DATE 2-1-83

AUTHORIZED PRESSURE BOUNDARY REVISION-REV 5-(CO16 1-27-83)
 C CLEARED FOR PRESSURE BOUNDARY TESTING-REV 3-(CO05-4-26-78)

ON CONDITION 4
 CH CONDITION 1
 DUKE POWER COMPANY
 CENTRAL NUCLEAR STATION UNIT 1

FLOW DIAGRAM OF
 FEEDWATER SYSTEM
 (CF)

NO.	REVISIONS	CHG DATE	APP'D	DATE
1	REV. PER CO1	05, 07, 08, 09		
2	REV. PER CO2	03, 04		
3	REV. PER CO3			
4	REV. PER CO4			
5	REV. PER CO5			

DWG. NO. CH-1591-1.1

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10-4-7-11

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PDR RIDS

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