



- NOTES:**
1. THE GAGES THE VALVES BETWEEN EACH TRAINS SHALL BE MAINTAINED CLOSED. THEY SHALL ONLY BE USED FOR THE PURPOSE OF FILLING IN TANK TRAIN.
 2. INSTRUMENT TAPOFF PIPE AND FITTINGS TO AND INCLUDING THE FIRST VALVE SHALL COUPLER TO THE MAIN LINE SPEC.
 3. LOCATE FLANGES OUTSIDE INFRAE STRUCTURE.
 4. ALL INSTRUMENTS ON THIS PIPING SYSTEM DESIGNATED EX UNLESS OTHERWISE DESIGNATED.
 5. THERMOWELLS & SENSORS ARE CONNECTED TO THE ECH SELF-CLEANING STRAINERS.
 6. FOR CHILLED WATER RELIEF VALVE CONNECTED TO THE MAIN LINE SHALL BE MAINTAINED CLOSED. THEY SHALL ONLY BE USED FOR THE PURPOSE OF FILLING IN TANK TRAIN.
 7. DELETED
 8. FOR DESCRIPTION OF EXPANSION JOINTS REFER TO EQUIPMENT DATA SHEET FOR EXPANSION JOINTS.
 9. THE OPERATIONAL POSITION OF THE VALVE SHALL BE AS SHOWN IN THE DRAWING FOR NORMAL OPERATION. IT IS THE RESPONSIBILITY OF THE OPERATOR TO CHECK THE POSITION OF THE VALVE ON CHILLERS SEE REV. 11 UNLESS OTHERWISE DESIGNATED.
 10. FOR COLD WEATHER OPERATION THIS VALVE TO BE IN THE CLOSED POSITION.
 11. CHECK VALVE (GROUP) INTERNALS REMOVED.

ANSTEC
APERTURE
CARD

NO.	ISSUE DATE	REVISION	BY	CHK	REV	DATE	NO.	ISSUE DATE	REVISION	BY	CHK	REV	DATE
4	2-19-84	INCORP. MOD. 33848-02 AND EDITORIAL											
3	1-23-84	INCORP. MOD. 32857-12											
2	1-19-84	INCORP. PCF 388244 AND PCF 388254 AND DCH NO-3042											
1	12-22-83	INCORP. PCF 212818A											
0	11-15-83	THIS DRAWING AND DRAWINGS 5R289F05038-01 THRU 5R289F05038-09 SH. 2											
		SUPPLEMENTAL DRAWING 5R289F05038-10											

HOUSTON LIGHTING & POWER COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
ESSENTIAL COOLING WATER SYSTEM
TRAIN IC

SCALE: DEC. NO. REV.
NONE 5R289F05038 #1 SH 3 8

30:1

09/22/1997

5R289F05038#3

PCF NO. 5R289F05038-10

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PDR RLL

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