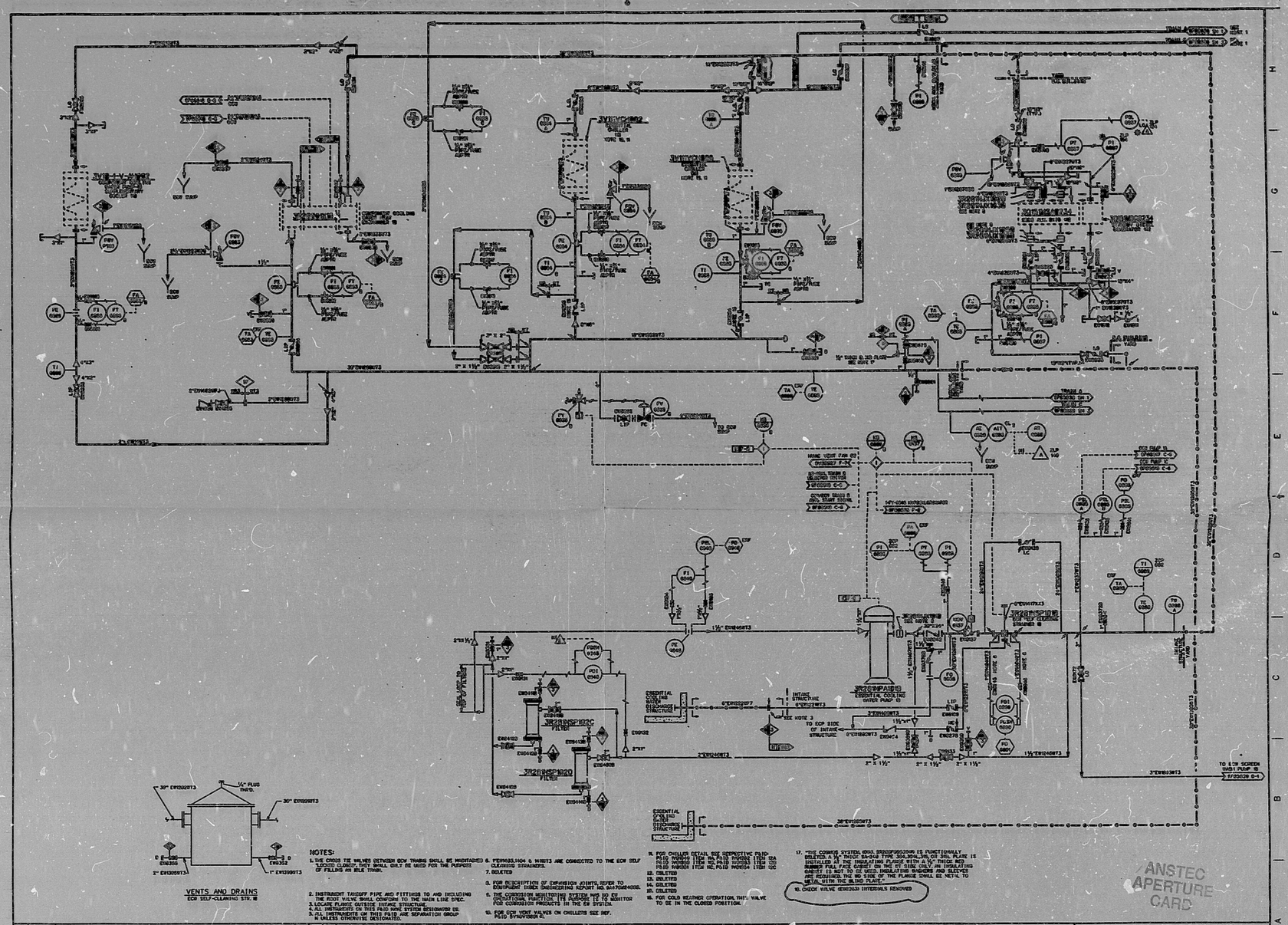


NOTES:

1. THE CROSS TIE VALVES BETWEEN ECW TRAINS SHALL BE MAINTAINED "LOCKED CLOSED", THEY SHALL ONLY BE USED FOR THE PURPOSE OF FILLING AN IDLE TRAIN.
2. INSTRUMENT TAKEOFF PIPE AND FITTINGS TO AND INCLUDING THE BODY VALVE SHALL CONFORM TO THE MAIN LINE SPEC.
3. LOCATE FLANGE OUTSIDE CONCRETE STRUCTURE.
4. ALL INSTRUMENTS ON THIS PAID HAVE SYSTEM DESIGNATOR 03.
5. ALL INSTRUMENTS ON THIS PAID ARE SEPARATION GROUP N UNLESS OTHERWISE DESIGNATED.
6. FE0933,1404 & 1405T3 ARE CONNECTED TO THE ECW SELF CLEANING STRAINERS.
7. DELETED
8. FOR DESCRIPTION OF EXPANSION JOINTS REFER TO EQUIPMENT INDEX ENGINEERING REPORT NO. S4STRUCR0010.
9. THE CORROSION MONITORING SYSTEM HAS NO ES INSTRUMENTATION. THIS SYSTEM IS USED TO MONITOR FOR CORROSION PRODUCTS IN THE ES SYSTEM.
10. FOR ECW VENT VALVES ON CHILLERS SEE REF. PID SYN0F0001 G.
11. FOR CHILLER DETAIL SEE REFERENCE PID: PID 1N0B00 ITEM 1A, PID 1N0B01 ITEM 1BA, PID 1N0B02 ITEM 1C, PID 1N0B03 ITEM 1D, PID 1N0B04 ITEM 1DC, PID 1N0B05 ITEM 1E, PID 1N0B06 ITEM 1EC
12. DELETED
13. DELETED
14. DELETED
15. DELETED
16. FOR COLD WEATHER OPERATION, THIS VALVE TO BE IN THE CLOSED POSITION.
17. "THE CORROSIVE SYSTEM EDGE 3R289PA002AN IS FUNCTIONALLY DESIGNED AS THICK 24-0.50 PIPE 304 STAINLESS STEEL PLATE IS INSTALLED AT THE INSULATING FLANGE WITH A 1/8" THICK RED INSULATION PLATE SHOWN ON THE FIT SIDE ONLY. AN INSULATING GASKET IS NOT TO BE USED. INSULATING WASHERS AND SLEEVES ARE REQUIRED. THE RD SIDE OF THE FLANGE SHALL BE METAL TO METAL WITH THE BLIND PLATE."
18. CHECK VALVE 0EN0933 INTERNALS REMOVED

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	HA	SE	PE	NO.	REVISION	ISSUE DATE	BY	CKR	RE	DV	HA	SE	PE
4	3-18-95	INCORP. PCF 177631A AND EDITORIAL.	SIGNATURES ON FILE																
3	2-6-94	INCORP. MDCN 93-049-02	SIGNATURES ON FILE																
2	1-4-94	INCORP. PCF A088227A, 300823A	SIGNATURES ON FILE																
1	11-15-93	INCORP. PCF 1097098	SIGNATURES ON FILE							7	7-30-97	INCORP. DCN 97-01207	LOG						
0	11-15-93	THIS DRAWING AND DRAWINGS 5R289F05038 #1 SH 1 AND 5R289F05038 #1 SH 3	SIGNATURES ON FILE							6	10-08-95	INCORP. MDCN 8087816 MDCN 8087824.	SIGNATURES ON FILE						
		SUPERCEDE DRAWING 5R289F05038 #1 AND INCORP. MDCN 93-049-1								5	4-12-95	INCORP. MDCN 8087-09	SIGNATURES ON FILE						

HOUSTON LIGHTING & POWER COMPANY

5R289F05038#1 2 7

09/22/1997

PIPING AND INSTRUMENTATION DIAGRAM
ESSENTIAL COOLING WATER SYSTEM
TRAIN 10

SCALE	DWG. NO.	REV.
NONE	5R289F05038 #1 SH 2	7

CH NO. 5F05038#1 2 | PRIORITY | PC NO. 1D19220 | FORM 2.8"1

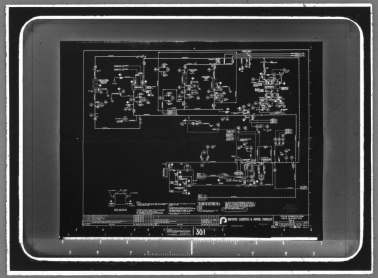
30:1

ANSTEC APERTURE CARD

9710030077

PDR RIDS

9710030077



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