SCALING RULES

SIZE E

REACTOR CLEANUP NON-REGENERATIVE HEAT EXCHANGERS

REACTOR CLEANUP RECIRC. PUMPS (1P-205 A/B) COOLERS

REACTOR RECIRCULATION PUMP 1P-201B HEAT EXCHANGER M-116 (B, 7)

REACTOR RECIRCULATION PUMP 1P-201A HEAT EXCHANGER M-116 (B, 3)

RADWASTE SUMP SYSTEM

IE-34 DRYWELL EQUIP. DRAIN SUMP COOLER

IE-216A

IE-216B

CRD PUMP COOLERS

IE-216B

RADWASTE BLDG. SAMPLE COOLERS (P&ID M-183)

REACTOR BLDG. SAMPLE COOLER SC-4639 (B,5) (P&ID-M-127)

REACTOR BLDG. SAMPLE COOLER SC-4640 (B,6) (P&ID-M-127)

TYP. 1/2" CONN. FOR FUTURE SC.

TURBINE BUILDING SAMPLE COOLERS (P&ID M-147)

ISOLATION INITIATED BY REACTOR LOW WATER LEVEL FROM LIS 4831, 4832, 4833, 4834 M-115 (F,2 F,7)

DEMINERALIZED WATER

REACTOR BUILDING COOLING WATER SURGE TANK 1T-78

FUEL POOL COOLING & CLEAN UP SYSTEM (TYP. FOR 2)

IE-211A

IE-211B

FUEL POOL HEAT EXCHANGERS

REACTOR BUILDING EQUIP. DRAIN SUMP HEAT EXCHANGER IE-33

FROM GENERAL SERVICE WATER SYSTEM (TYP. FOR 3)

IE-35A

IE-35B

IE-35C

REACTOR BUILDING COOLING WATER HEAT EXCHANGERS

FROM RM-4767

CHEMICAL FEEDER TANK 1T-79

NORMAL/EMERG. POWER SUPPLY

1P-81C

1P-81B

1P-81A

REACTOR BUILDING CLOSED COOLING WATER PUMPS

REGULATORY DOCKET FILE COPY

TI APERTURE CARD

Docket # 50-331
Control # 8408140156
Date 08-07-84 of Document
REGULATORY DOCKET FILE

FOR INFORMATION ONLY

No.	DATE	REVISIONS	BY	CHKD	DESIGN SUPV	ENGR	PROJ ENGR	APPR
13	2.17.84	REVISED PER DCR-981	SL	DMS			MW	SR
12	7/15/81	REV. PER DCR-921	GB	MKL	MW		S	SR
11	10-7-80	REV PER DCR 345	MW	SR			SR	SR
10	4/19/78	REV. PER DDC-206 LAST VALVE NO. IS V-12-97	DE	V			MW	SR
9	4/14/77	REVISED PER DDC-150	MWS	MW			MW	SR
8	3/22/76	REVISED AS NOTED ON REV. SHEET SALT VALVE NO. NOW V-12-37	MK	GB			MW	SR
7	10/9/75	REVISED AS NOTED ON REV. SHEET LAST VALVE NR ON SYSTEM IS NOW V-12-95	MK	MK			MW	SR
6	6/27/75	REVISED AS NOTED ON REV. SHEET LAST VALVE NR ON SYSTEM IS NOW V-12-91	FL	MK			MW	SR
5	1/31/75	FINAL DESIGN REVIEW	JC	MK	TEM	TEM	MW	SR
4	11/16/72	CO-ORD F&ES SUPPLY & RETURN LINES FOR SAMPLE COOLERS CONNS. REVISED AT MAIN LINE TIE-INS	JC	MK	MK		MW	SR
3	9/29/72	REVISED AS NOTED ON REVISION SHEET & ISSUED FOR CONSTRUCTION	JC	DMS	MK		MW	SR
2	5/4/72	ADDED VALVE NOS ON SYSTEM UP TO V-12-90. REVISED AS NOTED ON REV. SHEET & ISSUED FOR CONSTRUCTION	MWS	DMS	MK		MW	SR
1	10/9/71	REVISED AS INDICATED ON REV SHEET & ISSUED FOR CONSTRUCTION	MWS	SR	MK		MW	SR
0	1/14/71	REDRAWN, ISSUED FOR PIPE SIZES AND FABRICATION	C.R.	SR	GB		MW	SR
A	7/31/70	ISSUED FOR APPROVAL	JC	SR	GB		MW	SR
B	4/30/70	ISSUED FOR BIDS AND INFORMATION ONLY	NC	SR	MK		MW	SR
A	1/9/68	REVISED PER DCR-932B	LC	JC			RB	SR

SCALE | DESIGNED JWB | DRAWN C. CHAN | CHIEF ENGR

BECHTEL
SAN FRANCISCO

DUANE ARNOLD ENERGY CENTER—UNIT No 1
IOWA ELECTRIC LIGHT AND POWER COMPANY
CEDAR RAPIDS, IOWA

P. & I. D.
REACTOR BUILDING
COOLING WATER SYSTEM

JOB No.	DRAWING No.	REV.
7884	M-112	14

34 x 44 "E" SIZE

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