DRYWELL SUPPLY HEADER

REACTOR BLDG. CLOSED COOLING WATER HEAT EXCHANGER HX-B

REACTOR BLDG. CLOSED COOLING WATER HEAT EXCHANGER HX-A

REACTOR BLDG. CLOSED COOLING WATER PUMPS

CRITICAL SERVICE SUPPLY HDR.

CRITICAL SERVICE RETURN HEADERS

RESIDUAL HEAT REMOVAL PUMPS

CLOSED COOLING WATER SURGE TANK TK-ST

RHR-P-A

RHR-P-B

RHR-P-C

RHR-P-D

FAN COIL UNITS N.I.C. E-69-4

SAMPLE RACK 1-C DETAIL III

SEISMIC SEISMIC CLASS IS CLASS IIS

SEISMIC SEISMIC CLASS IS RESTRAINED/ CLASS IS SIESMIC CLASS IIS -SEE NOTE 6

SEE NOTE 2

SEE NOTE 4

SEE NOTE 8

FIG. 2, SEE NOTE 3

CONT. ON 2031 SH.1 ZONE B-4

CONT. ON 2031 SH.3 ZONE A-3

CONT. ON 2031 SH.3 ZONE C-3

CONT. ON 2031 SH.3 ZONE F-5

CONT. ON 2031 SH.3 ZONE A-6

CONT. ON 2031 SH.4 ZONE F-12

CONT. ON 2031 SH.4 ZONE F-1

CONT. ON 2036 SH.1 ZONE E-1

CONT. ON 2079 SH.2 ZONE F-11

CONT. ON 2036 SH.1 ZONE E-7

CONT. ON 2036 SH.1 ZONE D-1

CONT. ON 2036 SH.1 ZONE E-4

CONT. ON 2031 SH.1 ZONE C-4

TO 709MV

TO RMS CONT. ON 2036 SH.1 ZONE F-3

TO RMS CONT. ON 2036 SH.1 ZONE E-3

FOR CONT. SEE DWG. 2038 SH.1, ZONE E-3

FOR CONT. SEE DWG. 2038 SH.1, ZONE E-4

FOR CONT. SEE DWG. 2038 SH.1, ZONE J-8

FOR CONT. SEE DWG. 2038 SH.1, ZONE J-7

FOR CONT. SEE DWG. 2038 SH.1, ZONE J-2

FOR CONT. SEE DWG. 2038 SH.1, ZONE J-3

FOR CONT. SEE DWG. 2038 SH.1, ZONE G-8

FOR CONT. SEE DWG. 2038 SH.1, ZONE G-9

FOR CONT. SEE DWG. 2038 SH.1, ZONE G-2

FOR CONT. SEE DWG. 2038 SH.1, ZONE G-3

FOR CONT. SEE DWG. 2038 SH.1, ZONE C-3

1-FC-R-1E (FOR CORE SPRAY PUMP ROOM) S.E. CORNER

1-FC-R-1H (FOR RHR PUMP ROOM) S.W. CORNER

1-FC-R-1F CORE SPRAY PUMP ROOM N.E. CORNER

1-FC-R-1J RHR ROOM N.W. CORNER

1-FC-R-1G (IN HPCI ROOM)

FOR PIPING INTERRELATION SEE DWG. 2020 ZONE J-8

FOR PIPING INTERRELATION SEE DWG. 2020 ZONE H-7

FOR PIPING INTERRELATION SEE DWG. 2020 ZONE H-8

FOR PIPING INTERRELATION SEE DWG. 2020 ZONE H-9

FOR PIPING INTERRELATION SEE DWG. 2020 ZONE H-10

BY H&V CONTRACTOR TYP. @ 1-FC-R-1E,1F,1G,1H & 1J

NOTES:

1. FOR NOTES SEE THIS DWG. SH. 1
2. △'S WHERE SHOWN WITH NUMBERS REPRESENT POINTS OF CONNECTION TO EXISTING SYSTEMS. E-73-58 SPECIFICATION DEFINES WORK FROM THIS POINT.
3. ALL VALVES ARE IN THE REACTOR EQUIPMENT COOLING SYSTEM (REC) UNLESS DESIGNATED OTHERWISE.
4. REFERENCE BURNS AND ROE DWG. M151 SH.15 FOR SAMPLE PIPING AND VALVE INSTALLATION AT SAMPLE RACK SR-1C.
5. REC-V-19 AND REC-V-21 SHALL BE CLOSED WHEN BOTH REC HEAT EXCHANGERS ARE IN SERVICE AND OPEN OTHERWISE.
6. INSTRUMENT, SAMPLE TEST, DRIAN, AND VENT LINES ARE NOT ALWAYS THE SAME CLASS AS THE MAIN LINE AND THESE BOUNDRIES ARE TOO NUMEROUS TO INDENTIFY IN THIS MANNER (SEE ISI PROGRAM BOUNDRY DESCRIPTIONS FOR DETAILS).
7. CB IS PRIMARY CONTAINMENT BOUNDRY.
8. RHR MECHANICAL SEAL COOLERS WITH MECHANICAL CYCLONE SEPERATORS. CIC'S AS FOLLOWS:

PUMP:	SEAL COOLER:	CYCLONE:
A	RHR-HX-PA	RHR-CYLN-PA
B	RHR-HX-PB	RHR-CYLN-PB
C	RHR-HX-PC	RHR-CYLN-PC
D	RHR-HX-PD	RHR-CYLN-PD

9. WHERE LINES ARE INTERCONNECTED AND CONTINUED ON OTHER DRAWINGS, ZONE NUMBERS ARE APPROXIMATE ONLY.

NON CONTROLLED PRINT
MAR 20 2007
N.P.P.D.. RIMS

D-30

AS BUILT
CADD DRAWING
DO NOT REVISE MANUALLY

454003623

REVISIONS TO THIS DRAWING REQUIRES A REVISION TO THE CORRESPONDING ISOKEY.

FOR PREVIOUS REVISIONS, SEE SUPERSEDED CARDS.

REVISIONS BY N.P.P.D.

NO.	REVISIONS	DFT	CKD	APP	DATE
N63	CED 6008243 (DCN 02-0298)	DLR	DLR	KG	7/7/03
N64	CED 6018821 (DCN 05-0666)	RGA	DLR	KG	8/26/05

FLOW DIAGRAM
REACTOR BUILDING – CLOSED COOLING WATER SYSTEM
COOPER NUCLEAR STATION

BURNS & ROE

2031 SH 2 | REVISION N64 | CARD FILE: C0017987