NOTES:
1. FOR PRESSURE SENSING LINES, LINE UP TO AND INCLUDING ROOT VALVE SHALL BE FURNISHED & INSTALLED UNDER CONTRACT E-69-4.
2. SAMPLING POINT SP-1 LINE UP TO AND INCLUDING 3/4" 740AV976P SHALL BE BE FURNISHED AND INSTALLED UNDER CONTRACT E-69-4. CONTINUATION OF SAMPLING PIPING BY E-70-3.
3. REPLACEMENT PIPING FOR THE REACTOR RECIRCULATION LINES WAS FURNISHED BY NIAC UNDER CONTRACT 83-41 AND INSTALLED BY CBI UNDER CONTRACT 84-2. SEE MDC 84-150 FOR DETAILS.
4. HIGH POINT VENTS AND LOW POINT DRAINS NOT SHOWN.
5. DELETED.
6. 2" VALVE 276X (PC-V-65) IS DISCONNECTED FROM TORUS DRAIN PENT X-213B.
7. PIPING WAS NO LONGER REQUIRED AS A RESULT OF DC 76-2. PIPING WAS REMOVED AND PIPE CAPS INSTALLED PER CONTRACT 84-2. SEE MDC 84-150A AND MDC 84-150A AMENDMENT 1 FOR DETAILS.
8. DELETED.
9. REF. GE DWG. 115D6009, SH. 2 FOR INSTRUMENT PIPING AND VALVE INSTALLATION AT INSTRUMENT RACK 25-5. INSTRUMENT TUBING IS CAPPED AT RACK 25-5 DOWN STREAM OF RACK ISOLATION VALVE RR-V-210.
10. REF. GE DWG. 115D6010, SH. 2 FOR INSTRUMENT PIPING AND VALVE INSTALLATION AT INSTRUMENT RACK 25-6. INSTRUMENT TUBING IS CAPPED AT RACK 25-6 DOWN STREAM OF RACK ISOLATION VALVE RR-V-212.
11. REF. GE DWG. 921D172, SH. 2 FOR INSTRUMENT PIPING AND VALVE INSTALLATION AT INSTRUMENT RACK 25-7.
12. TESTABLE FLANGE.
13. INSTRUMENT, SAMPLE, TEST, DRAIN AND VENT LINES ARE NOT ALWAYS THE SAME CLASS AS THE MAIN LINE AND THESE BOUNDARIES ARE TOO NUMEROUS TO IDENTIFY IN THIS MANNER (SEE ISI PROGRAM BOUNDARY DESCRIPTIONS FOR DETAILS).
14. PENETRATIONS X-209A & C ARE TESTABLE ELEC./MECH FLANGE ASSEMBLIES. PENETRATIONS X-209B & D ARE SPARES AND ARE CAPPED. VALVES PC-V-366, 367, 368 & 369 ARE REMOVED PER DC 94-212A.
15. PENETRATIONS X-202A, X-202B, X-202C, X-202D, X-202E, X-202F, X-202G, X-202H, X-202J, X-202K, X-202L, X-202M, X-207A, X-207B, X-207C, X-207D, X-207E, X-207F, X-207G, X-207H, X-208A, X-208B, X-208C, X-208D, X-208E, X-208F, X-208G AND X-208H ARE NOT CONSIDERED PRIMARY CONTAINMENT PENETRATIONS.
16. ALL PIPING OPEN TO PENETRATIONS X-206C, X-206D AND X-215 ON THIS DRAWING IS A PART OF THE PRIMARY CONTAINMENT BOUNDARY.
17. CB IS PRIMARY CONTAINMENT BOUNDARY.
18. SAMPLE PT 1 RX RECIRC. HEADER.
19. SAMPLE PT 2 RWCU F/D INLET.
20. WHERE LINES ARE INTERCONNECTED AND CONTINUED ON OTHER DRAWINGS, ZONE NUMBERS ARE APPROXIMATE ONLY.
21. PENETRATIONS X-209A & C ARE TESTABLE. PENETRATIONS X-209B & D ARE SPARES AND CAPPED. THERMOCOUPLES TE-20B-1 & TE-20D ARE REMOVED. DC94-212A.

FOR PREVIOUS REVISIONS, SEE SUPERSEDED CARDS.

VERSIONS/REVISIONS BY N.P.P.D.				
NO.	DESCRIPTION	DFT	DATE	ENG
AC/71	DR-2014-0494	DLR	3/27/15	GLHADLE
AF/72	DR-2013-0598 (FROM VERSION AB)	DLR	10/27/16	KKKUKER
AG/73	DR-2015-0641	DJB	10/22/16	TCMULLI
AE/74	DR-2015-0641	DLR	10/22/16	JJNEDDE
AG/75	DR-2018-0292	LS	10/24/18	RSCULLI

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

AS BUILT
454003617

STATUS: Release
STATUS DATE: 10/24/2018
DS APPROVED: RSCULLI
VER: AG REV: 75 SIZE: F

SIGNIFICANT NUMBER							
GROUP	1	2	3	4	5	6	

COOPER NUCLEAR STATION
FLOW DIAGRAM – LOOP "A"
REACTOR RECIRCULATION & SUPPRESSION CHAMBER VENT SYSTEMS & CONNECTIONS

DRAWN DATE
CHECKED DATE
APPROVED DATE
SEE SUPERSEDED CARDS
FILMED

BURNS & ROE

2027 SH 1

DWG FILE: C0017927