INSIDE CONTAINMENT STRUCTURE | OUTSIDE CONTAINMENT STRUCTURE

1/2"-#364-SL-2505R SEE DWG.#ISI-27293 SH.1 (F-8) — PENETRATION W

1/2"-#366-SL-2505R SEE DWG.#ISI-27293 SH.1 (F-8) — PENETRATION W

1/2"-#365-SL-2505R SEE DWG.#ISI-27293 SH.1 (F-7) — PENETRATION W

PENETRATION W — 1/2"-#367-SL-2505R SEE DWG.#ISI-27293 SH.1 (F-7)

2" A.C.S. #129 FROM DWG. 9321-F-27513 SHEET #1 (F-2)

2" A.C.S. #133 TO DWG. 9321-F-27513 SH.1

FOR CONT. SEE 9321-F-27293 SH.1 (ZONE G-5)

3/4" #635 FROM DWG. 9321-F-20343 SHEET #1

TO VENT LINE ON BLOWDOWN TANK FROM SAMPLE HTX SEE DWG.9321-F-27293, SHT.1

TO S.S.EL.55'-0" 3/8" #663 SEE DWG.9321-F-27453 (TYP. 4 PLACES)

TO VENT LINE ON BLOWDOWN TANK FROM SAMPLE HTX SEE DWG.9321-F-27293,SHT.1(F-2)

TO VENT LINE ON BLOWDOWN TANK FROM SAMPLE HTX SEE DWG.9321-F-27293,SHT.1(F-2)

TO VENT LINE ON BLOWDOWN TANK FROM SAMPLE HTX SEE DWG.9321-F-27293,SHT.1(F-2)

SEE DWG. 9321-F-27293, SHEET 1 (H-8)

TO SOV-1317 (NOTE 1)
TO SOV-1316 (NOTE 1)
TO SOV-1314 (NOTE 1)
TO SOV-1315 (NOTE 1)
TO SOV-1317A (NOTE 1)
TO SOV-1316A (NOTE 1)
TO SOV-1314A (NOTE 1)
TO SOV-1315A (NOTE 1)

1-AC-152N-#3041 AUX. COOLANT 9321-F-27513,SH.1
1-AC-152N-#3042 AUX. COOLANT 9321-F-27513,SH.1

COOLING WATER HEAT EXCHANGER #31

3/4" CITY WATER DWG.9321-F-20343,SH.1

SAMPLE INLET — SAMPLE PURGE OUTLET — PURGE INLET

RADIATION MONITOR R19 SKID

CLOSE VALVES ON HIGH RADIATION (NOTE 1)

FROM FI-538 DWG.9321-F-27293,SH.1

1" CLASS 151R — LOCAL DRAIN

1/2"-BD-46 — TO SAMPLE INLET R19 SKID

1/2"-#691 — FROM SAMPLE/PURGE OUTLET R19 SKID

1/2"-#691 TO 1/2" HEADER TO BLOWDOWN TANK SEE DWG. 9321-F-27293 SHEET 1 (F-2)

TO BLOWDOWN FLASH TANK SEE DWG.9321-F-27293 SHT. 1(E-2)

COLLECTION TANK NO. 31

COLLECTION TANK NO. 31 TRANSFER PUMPS #31 #32

1"-#745 — 3/4"-#745 CLASS 152R

1"-#691 CLASS 152R

BYPASS FILTER #31

BYPASS FILTER #32

BYPASS FILTER #34

31 SG B/D SAMPLE COOLER #1

31 SG B/D SAMPLE COOLER #2

33 SG B/D SAMPLE COOLER #1

33 SG B/D SAMPLE COOLER #2

32 SG B/D SAMPLE COOLER #1

32 SG B/D SAMPLE COOLER #2

34 SG B/D SAMPLE COOLER #1

34 SG B/D SAMPLE COOLER #2

SG SAMPLE HEAT EXCHANGER (TYPICAL)

(CATION) (SPECIFIC)

DRAIN

REFERENCE DRAWINGS:

9321-F-27293 SH.1-STEAM GENERATOR BLOWDOWN SYSTEM.

9321-F-27453-SAMPLING SYSTEM-FLOW DIAGRAM.

9321-F-27463-ISOLATION VALVE SEAL WATER SYSTEM-FLOW DIAGRAM.

9321-F-27513-SH.1 AUX COOLANT SYSTEM-FLOW DIAGRAM.

9321-F-27513-SH.2 AUX COOLANT SYSTEM-FLOW DIAGRAM.

LEGEND:

IVSWS	ISOLATION VALVE SEAL WATER SYSTEM
L.O.	LOCKED OPEN VALVE
L.C.	LOCKED CLOSED VALVE
T	CONTAINMENT ISOLATION SIGNAL
F.C.	FAIL CLOSE (AIR OPERATED VALVE)
⬡	SEISMIC CLASSIFICATION
⊖	LOCAL CONTROL PANEL

NOTES:

1. VALVES TO CLOSE UPON HIGH RADIATION ALARM.
2. ALL VALVE NO'S ARE PRECEDED BY A "BD" SYSTEM DESIGNATION UNLESS OTHERWISE NOTED.
3. (XX) =PENETRATION NUMBER(REF.F.S.A.R.)
4. THIS DWG.SHALL BE USED ONLY FOR DETERMINING THE EXTENT OF THE INSERVICE INSPECTION BOUNDARIES.
5. BOUNDARIES SHOWN TO INCLUDE BOUNDARY VALVES WHERE APPROPRIATE. THE ACTUAL PRESSURE RETAINING I.S.I. BOUNDARIES FOR LEAKAGE AND HYDROSTATIC TESTING EXTEND ONLY TO VALVE INTERNALS THAT COMPRISE THE EFFECTIVE OBTURATOR ASSEMBLY.

ISI LEGEND

-1- -1- ISI CLASS I
-2- -2- ISI CLASS II
-3- -3- ISI CLASS III
C.I.V. - CONTAINMENT ISOLATION VALVE

UNCONTROLLED DRAWING
Copy Date JAN 13 2000
CAUTION -- Extended use of this drawing copy may result in its inaccuracy due to subsequent design changes and drawing updates

ISI DRAWING
THIS DRAWING WAS CREATED FROM 9321-F-70453

REV NO	DATE	DESCRIPTION	DWN	CHK	DES	PROJ APP.
10	1/12/00	UPDATED PER 1992 EDITION OF ASME SECTION XI SUBSECTION IWE/IWL	CLG	JM	AYE	-
9	1/30/98	UPDATED TO 9321-F-27293,SH.2,REV.12	TS	JM	AYE	REG
8	12/28/96	UPDATED TO 9321-F-27293,SH.2,REV.11	DM	MSM	AYE	-
7	1/18/96	UPDATED TO 9321-F-27293,SH.2,REV.10	CLG	MSM	AYE	-
6	8/29/95	UPDATED TO 9321-F-27293,SH.2,REV.9.	PM	-	AYE	-
5	1/6/95	UPDATED TO 9321-F-27293,SH.2,REV.8.	PM	-	AYE	-
4	4/1/93	UPDATED TO 9321-F-27293,SH.2,REV.4 THRU 7.	PM	REG	-	KJ

REVISIONS

DES SUPV	INDIAN POINT NO.3 NUCLEAR POWER PLANT
DISCIPLINE ENG	FLOW DIAGRAM STEAM GENERATOR BLOWDOWN SAMPLE PANEL
DISCIPLINE MGR.	
PROJ APPROVAL	
DATE	

NewYorkPower Authority

SCALE | DWG NO. ISI-27293 | REV 10 | SHEET 2

Docket # 50-286
Accession # 9002120294
Date 1/16/2000
Regulatory Docket File

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COMMENT= DRAWN=ISI-27293-002 1 LAST FILE=00011 10:20
DRGS=ON SCALE= 1.0000 ISI-27293-002 2 PAT=
LWDN 15-DEC-99 11:41:54 ACCESS=NONE
PLOT=